

RACKLA METALS INC.

2012 Geochemical, Geological and Geophysical Report on the Car 1-320, Lin 1-178 and Elko 1-15 Claims

Work Performed June 27 to July 30, 2012

Claim Names:	Grant Numbers:
Car 1-217	YD74103-YD74319
Car 218-320	YD74321-YD74423
Lin 1-98	YD92001-YD92098
Lin 99-178	YF23099-YF23178
Elko 1-15	YF39932-YF39946

Mayo Mining District, Yukon Territory
NTS: 106C/2, 3, 6 & 7

Latitude 64° 15' N
Longitude 133° 03' W

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SUMMARY

The Car property (also known as the Scarlet West property) is located in the Selwyn Mountains approximately 155 km east-northeast of Mayo, Yukon Territory, in the Mayo Mining District. This report describes the work that Rackla Metals Inc. carried out starting June 27th, 2012 and ending July 30th, 2012 on the Car 1-320, Lin 1-178 and Elko 1-15 contiguous Yukon Quartz 'two post' claims. The property was acquired by staking in 2010, 2011 and 2012 and totals 513 claims covering an area of approximately 10,250 hectares (25,320 acres) and is located on NTS map sheets 106C/2, 3, 6 & 7. Rackla Metals Inc. owns a 100% interest in the property.

Rackla Metals Inc., and its predecessor company, Radius Gold Inc., staked the Car property after Atac Resources Ltd. released favourable results for Carlin type gold prospects on adjacent claims. Previous work and current results indicate the potential of Mississippi Valley Type (MVT) prospects of high grade lead and/or zinc. MVT Minfile occurrences across the property, known together as the Mckelvie occurrence, were explored in the 1970's by McIntyre Mines Ltd. and later by Radius Gold Inc. and Rackla Metals Inc. in 2011 and 2012 respectively.

The property is accessed by helicopter out of Mayo, Yukon Territory. In 2012, a 20 person camp, shared with the Yukon Geological Survey, was set up along the Rackla airstrip located less than 3 km from the property. A helicopter, based at camp, provided support for field work.

The Car property is underlain by a sequence of upright predominantly sedimentary rocks of Neoproterozoic to Paleozoic age which have been gently folded and locally faulted. Large exposures of a resistant Silurian age carbonate unit are present over the central and western portion of the property in the form of steep mountains. This unit is underlain by older limestone, siltstone and shale units of Paleozoic age, and that sequence is underlain by Neoproterozoic dolomite, shale and carbonate units. MVT mineralization is focused along the contacts of the dolomite and limestone of the Algae Lake Formation (?) and also along local faults that run parallel to the regional Dawson and Kathleen Lakes Fault.

MVT lead-zinc mineralization and occurrences including the Discovery, Chopper Pad, Samantha and White Ridge Zones are hosted by the gently folded Algae Lake Formation (?) dolomite. The MVT mineralization and multi-element soil anomaly (Ag-Pb-Zn-Hg-Sb-Tl-As) at the Puddle Zone is hosted by an older, unnamed carbonate unit and is best developed near the contact with the adjacent shale unit. MVT lead-zinc mineralization at the Larry Occurrence and the White Ridge Zone appears to be structurally controlled by a high angle, east-west trending fault that cuts through both zones. Low, non-coincident gold values in soil have been found parallel and to the east of the high lead-zinc values of the Chopper Pad and Discovery Zones.

In 2012, 2404 soil and 120 rock samples were collected as follow up to promising results from the 2011 field season and results from the McIntyre Mines report by Birkeland (1976). Rackla Metals Inc. also added to the geological map made by Grant Abbott in 2011. Rock sample results returned high zinc

values (up to 53%) from the White Ridge, Puddle, Samantha, Chopper Pad and Discovery Zones. Strong lead and zinc soil anomalies with values up to 1.62% lead and 4.66% zinc were found in the Discovery, Chopper Pad and White Ridge Zones. Gold values on the property tended to be low (<39 ppb in soils and 13.2 ppb in rocks) and were not coincident with the lead and zinc anomalies. The Puddle Zone has a moderate silver in soil anomaly, open to the north and west, with values up to 5052 ppb, largely coincident with a kilometer scale multi-element soil anomaly (Ag-Pb-Zn-Hg-Sb-Tl-As).

In late 2011, an airborne magnetic and radiometric geophysical survey was flown over the Car property targeting the known MVT mineralized occurrences on the property. Due to poor weather conditions, the survey was not completed. The resultant magnetic signature observed over the southern part of the property, including the Samantha, Chopper Pad and Discovery Zones, generally correlates with the geological and geochemical trends of the area.

The results from the 2012 program on the Car property indicate the potential for MVT mineralization in multiple zones across the east and north sections of the property. Low gold values to the east of the Chopper Pad and Discovery Zones indicate potential for other types of precious metal deposits.

Proposed work of helicopter assisted hand trenching, more detailed geological mapping, and additional prospecting would continue the definition of preexisting geochemical and geological targets. If encouraging results from trenching are found, then diamond drilling over the anomalous area is recommended. Additional claims are required to the north and the west of the Puddle Zone.

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1.0 Introduction

The purpose of this report is to describe the work done during the 2012 field season on the Car property (also known as the Scarlet West property) to fulfill the assessment requirements of the Yukon Quartz Mining Act. The property encompasses the Car 1-320 claims, the Lin 1-178 claims and the Elko 1-15 claims in a contiguous block for a total of 513 claims. The Elko claims were added in the spring of 2012 after the previous owners allowed the claims to lapse. Work described in this report was carried out from June 27th, 2012 to July 30th, 2012 and was based out of the Rackla Metals Inc. camp, located on the north side of the Rackla Airstrip. The work included soil and rock sampling as well as geological mapping. This report also includes the geophysical survey that was flown over the north and east portions of the property by Precision GeoSurveys Inc. in late 2011 as Appendix E. The Rackla Metals Inc. camp was shared with an 8-12 person geological mapping crew from the Yukon Geological Survey, in the area as part of the Selwyn Basin project (Plate 1). This assessment contains additional information about the location, access, topography, history, geologic setting and recommendations for the Car property. The background information for this report was largely taken from the 2011 Geochemical and Geological report on the Car 1-320 Claims by Hulstein (2012).



PLATE 1: RACKLA METALS INC. AND YGS GROUP PHOTO

1.1 Location and Access

The Scarlet West property is located in the Mayo Mining District, in the Selwyn Mountains approximately 155 km east-northeast of Mayo, Yukon Territory. It straddles the East Rackla River, and is located approximately 3 km north of the Rackla River airstrip where camp was located in 2011 and 2012. The property covers NTS map sheets 106C/2, 3, 6 & 7 (Figures 1 and 2).

Access to the property can be gained by small fixed-wing aircraft from Whitehorse or Mayo to the Rackla River airstrip (Plate 2), and from there by helicopter to the property. Alternatively helicopters are available for charter at the Mayo airport. The Mayo airport is located in Mayo, Yukon Territory, 407 km by maintained 2-lane paved highway to the north of Whitehorse. Mayo is reached by taking the Klondike Highway (YT-2 N) from Whitehorse to Stewart Crossing, and highway YT-11 E from Stewart Crossing to Mayo.

From Whitehorse, daily jet airplane service can be gained to Vancouver, British Columbia, and other points south.



PLATE 2: 2012 RACKLA METALS CAMP, LOOKING EAST WITH NADALEEN MOUNTAIN IN THE BACKGROUND



Scarlet West, Yukon Territory
Location

Scale: 1:5,000,000

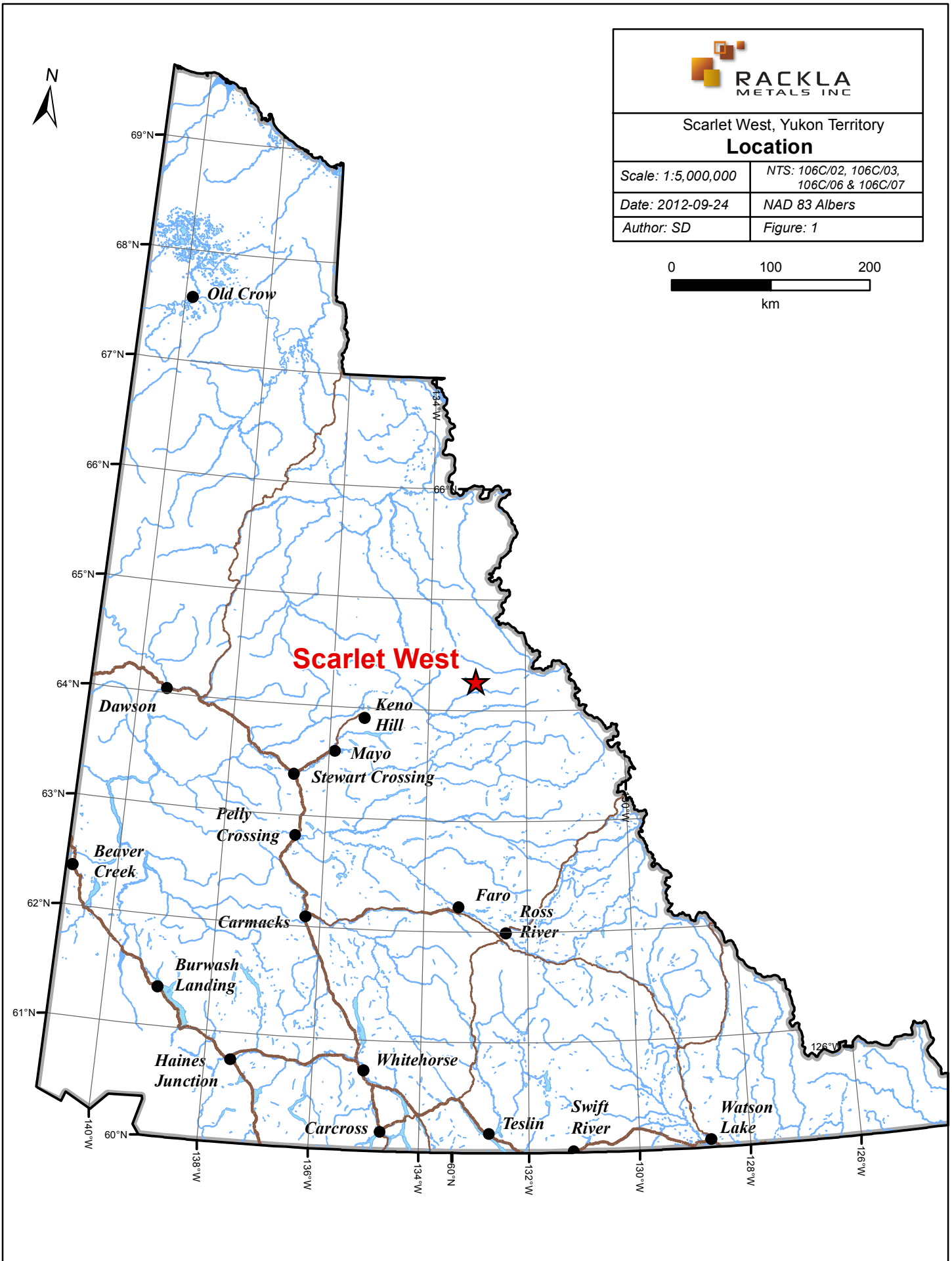
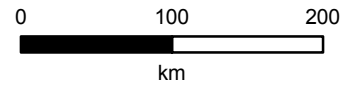
NTS: 106C/02, 106C/03,
106C/06 & 106C/07

Date: 2012-09-24

NAD 83 Albers

Author: SD

Figure: 1



1.2 Topography, Vegetation and Climate

Terrain in the region is rugged and mountainous, with elevations ranging from about 900 m above sea level on the East Rackla River to 2210 m on Nadaleen Mountain, the highest point on the property. The hillsides are steep with numerous cliffs and scree slopes composed of a veneer of locally-derived colluvium and talus (Plate 3). Drainages range from incised and steep to broad gentle 'U' shaped glacially scoured valleys. The property drains into the East Rackla and Nadaleen River, which are part of the Yukon River drainage system.

Vegetation in the valley bottoms consists of alders and often thick black spruce. The higher elevations are treeless, with alpine plants, moss, and small alders and buck brush dominating the lower slopes below tree line at approximately 1250 m elevation. Both black and grizzly bears are common, as are caribou and moose.

Climate is sub-arctic, characterized by cool, short summers with temperatures between 5 °C and 20 °C, and long, cold winters, with temperatures frequently below -30 °C. The window for exploration is generally between June and September.

Alluvium in the valleys is mostly locally derived. Hillsides are covered with a veneer of colluvium also locally derived. In the valley bottom, northerly facing slopes and poorly drained areas, permafrost is a consideration and can pose a serious hindrance to exploration.

Rock outcrop in the area is restricted to cliffs, ridges, small cliffs and creek bottoms.



PLATE 3: SOUTH OF SAMANTHA ZONE, LOOKING SOUTH, CONTACT OF RED WEATHERING NARCHILLA AND ALGAE LAKE FORMATION (?)

1.3 History

The region surrounding the Car property has been explored for base metals since the mid-1970s, and several occurrences are documented in Yukon Minfile reports. The property covers the McKelvie occurrence (Yukon Minfile, 106C 065), explored by McIntyre Mines Ltd. (Birkeland, 1976). The occurrence is plotted as four separate locations over a distance of eight km. The property was first staked as the Tara claims in 1975 by McIntyre Mines Ltd. They explored with mapping, geochemical surveys and drilled three BQ size diamond drill holes (742.8 m) and five Winkie size drill holes (74.1 m) in 1975. The next recorded work McIntyre did was minor hand trenching in 1977 (Yukon MINFILE, 2012). In 2011 Radius personnel noted evidence of drilling (pipe, timbers) at the Discovery and Puddle Zones (both part of the McKelvie Minfile Occurrence).

In 1979 McIntyre entered a joint venture with Canadian Superior Exploration Ltd. but it is not known if any work was done on the property. At about this time McIntyre Mines terminated their lead – zinc exploration program and sometime after this the Tara claims were allowed to lapse (Yukon MINFILE, 2012). McIntyre Mines was acquired by Falconbridge Limited in 1989.

Prism Resources Ltd restaked the Discovery Zone, located about 2.4 km south of Tara Lake (part of McKelvie Minfile occurrence), with the Nadaleen 1-16 claims in July 1981 and carried out a geochemical soil sample program the same year that confirmed the work done by McIntyre Mines (Yukon MINFILE, 2012).

McIntyre Mines discovered numerous carbonate-hosted sphalerite-galena showings that they described as Mississippi Valley Type (MVT) occurrences. Due to difficult surface sampling conditions only individual mineralized float samples were reported (Birkeland, 1976). Values from mineralized float grading > 5-10% combined lead-zinc were reported over significant strike lengths including over 300 m at the White Ridge Zone and several 100 m by 60 m showings at the Discovery Zone. Results from the 1975 diamond drilling are not given although Birkeland (1976) reported that pervasive zones of low grade zinc mineralization exist at depth.

More recently, the region has seen renewed interest in gold exploration, with Atac Resources Ltd. staking a large position across the east-west informally-named Rackla Belt. The Osiris, Conrad, Isis and Eaton showings are located about 30 – 35 km to the east-southeast of the eastern edge of the Car property. Highlights from the 2010 and 2011 exploration drill programs on these showings include: 44.2 m of 4.41 ppm Au (Osiris) and 44.15 m of 7.33 ppm Au (Conrad) (Atac news releases; Nov. 23, 2011 and Dec. 13, 2012). The showings have been interpreted as being true Carlin-type, and the possibility of a new Carlin-type district in the Selwyn Basin sparked a staking and exploration rush in 2010 and 2011.

In the same Rackla Belt a number of lead-zinc silver occurrences have been located and explored since the 1970's. Significant lead-zinc +/- silver occurrences includes the Craig (MVT), Rusty Mountain (Vera Minfile occurrence, silver-lead-zinc vein), Goz (MVT), Blende (MVT) (Figure 4) and numerous smaller MVT and vein type occurrences. These occurrences and the recent Carlin type discoveries, all share the

common feature of being located on the margin of ancient North America on the slope to basin transition.

The Car 1-320 claims were staked by Radius Gold Inc. in 2010, as the significance of the Atac Resources discoveries at Osiris, Isis, and Conrad had begun to be understood. The property was explored for Carlin-type gold systems and structurally controlled Mississippi Valley type (Pb-Zn-Ag deposits) in the summer of 2011. Radius staked the adjoining Lin 1-178 claims in July and August 2011 following the receipt of encouraging geochemical results. Radius Gold subsequently spun out its Yukon portfolio of properties, including the Scarlet West property, into a new corporation, Rackla Metals Inc., in the fall of 2011. The adjacent Elko claims were held by others in 2011 but were allowed to lapse in the spring of 2012, which was when Rackla Metals Inc. staked the claims.

A summary of exploration on the property is as follows:

- 1975 McIntyre Mines staked Tara claims 1-24 and additional claims for a total of 250 claims on the eastern flank of Nadaleen Mountain. Mapping, geochemical sampling (Pb, Zn & Cu values reported), 742.8 m of BQ diamond drilling in three holes and 74.1 m of Winkie drilling over five holes (results not reported for drilling) (Yukon MINFILE, 2012 and Birkeland, 1976).
- 1977 McIntyre Mines Ltd. carried out minor hand trenching (Yukon MINFILE, 2012).
- 1979 McIntyre Mines Ltd. entered into a joint venture with Canadian Superior Exploration Ltd. and Cal claims were added to the southeast (Yukon MINFILE, 2012). Around this time McIntyre Mines terminated their Pb-Zn exploration program and the claims were allowed to lapse. McIntyre Mines Ltd. was acquired by Falconbridge Ltd. in 1989.
- 1981 Prism Resources staked the Nadaleen 1-16 claims over the lapsed Tara 1-24 claims which covered the McIntyre Discovery Zone. Geochemical sampling was carried out (Sivertz, 1982).
- 2010 Radius Gold Inc. staked Car 1-320 claims following significant results from nearby Atac Resources Osiris, Conrad and Isis prospects.
- 2011 Radius Gold Inc. carried out geochemical sampling (soil, rock and stream sediment) and geological mapping. Lin 1-178 claims were staked in July and August 2011. Results were reported in the 2011 Car Property Assessment Report by Hulstein (2012).
- 2011 Radius Gold Inc.'s Yukon properties were spun out in the fall of 2011 under the new name Rackla Metals Inc.
- 2011 A magnetic and radiometric geophysical survey was flown late fall 2011 by Precision GeoSurveys Inc.
- 2012 Rackla Metals Inc. stakes the Elko claims in spring of 2012.
- 2012 Rackla Metals Inc. carried out geochemical sampling (soil and rock) and minor geological mapping over the Car, Lin and newly acquired Elko claims.

1.4 2012 Work Program

Work by Rackla Metals Inc. in the summer of 2012 included soil and rock sampling and minor geological mapping that was carried out over 34 days. A 20 person camp was set up starting on June 24th, 2012 by Larry Brault and crew of Bros Exploration Ltd. where the 2011 Radius Gold Inc. camp was, on the north eastern side of the Rackla airstrip (Figure 5). Camp consisted of wall-tents with airtight stoves and two temporary wooden structures (a kitchen and a wash tent). Rackla camp, its amenities and helicopter time was shared with a geological mapping crew from the Yukon Geological Survey. Archer Cathro & Associates (1981) Ltd. (consultants to Atac Resources Ltd.) also had a large exploration camp on the south west side of the Rackla airstrip. Various other companies used this airstrip as a staging point for access to nearby claims.

The camp was located approximately 6 km to the south of the centre of the Car Property and a Bell 206L Long Ranger helicopter provided by Heli Dynamics Inc., based out of Whitehorse, transported crews to and from the field daily. Food and other necessities were flown in and out of camp from Mayo by a fixed wing aircraft operated by Alkan Air. Rackla Metals Inc. personnel designed and oversaw the work program carried out by the three soil samplers and prospectors of Bros Exploration Ltd. Camp was set up and dismantled by the Bros personnel as well. Megan and Brian Melanson, from Carcross Yukon, cooked, ran the kitchen and provided first aid. The Yukon Geological Survey crew, of 8-12 people, shared helicopter time and camp amenities with Rackla Metals Inc.

Soil sampling was carried out by the Bros Exploration Ltd. samplers, led by Larry Brault, in grids of 200 by 50 m spacing (Figure 5) to follow up on promising 2011 geochemical results and historical results reported by McIntyre Mines (Birkeland, 1976). Rock samples were collected by Rackla personnel and Bros personnel from prospective areas based on the previous year's geochemical results and historical results. Minor geological mapping was carried out over key areas and areas not covered by Grant Abbott who mapped the property in 2011 (Figure 4).

Sample locations were recorded by handheld GPS (Garmin 60CSx) with an average +/- 5 m accuracy. The samples were dried outside, under cover and flown once a week to Mayo where they travelled by truck to the Acme Analytical Laboratories (Vancouver) Ltd.'s preparation laboratory in Whitehorse. After the samples were prepped they were dispatched to Acme Analytical (Vancouver) Ltd.'s laboratory in Vancouver for geochemical analysis.

1.5 Claim Status

The Car property or Scarlet West property consists of the Car 1-320, Lin 1-178 and the Elko 1-15 (513 claims total) unsurveyed contiguous two-post Yukon 'Quartz' claims (Figure 2). Staking of the claims in the Mayo Mining District was done in accordance with the Yukon Quartz Mining Act. These claims together cover an area of approximately 10,250 hectares or 25,320 acres and are located on NTS map sheets 106C/2, 3, 6 & 7. Maps of the claims can be viewed online through the Yukon Mining Recorder or at the Mayo Mining Recorders Office. All claims are registered to Rackla Metals Inc. and are one hundred percent owned by the company.

The Car 1-320 claims were the first to be staked by Radius Gold Inc. in September 2010 followed by the Lin 1-178 claims in July and August of 2011. The Elko claims became available in the spring of 2012 and were staked shortly after. Descriptions of work completed on the property are included in this report.

Table 1: List of Claims

Claim Name	Grant Number	Expiry Date
Car 1 - Car 217	YD74103 - YD74319	2018-03-29*
Car 218- Car 320	YD74321 - YD74423	2018-03-29*
Elko 1 - Elko 15	YF39932 - YF39946	2017-03-29*
Lin 1 - Lin 98	YD92001 - YD92098	2017-03-29*
Lin 99 - Lin 178	YF23099 - YF23178	2017-03-29*

**Subject to the acceptance of this report*

Figure 2 shows the Car property claims labeled with names and grant numbers. Locations of the claims were plotted using a Garmin GPSmap 60CSx unit with +/- 5 m accuracy.

2.0 Regional Geology and Mineralization

The Car property lies in the northeastern part of the Selwyn Basin, a paleo-geographic feature consisting of Neoproterozoic to Paleozoic slope-to-basin facies sedimentary strata (Figure 3). These represent sediment accumulation in a spreading margin environment, deposited on the northwestern margin of ancient North America. They have been interpreted as the slope-to-basin sediments on the lower plate of an asymmetric rift system associated with the breakup of the Rodinia supercontinent, (cf. Lister et al., 1986) and range from deep water shales, turbidite sequences, to transitional carbonate shelf sediments. Basement rocks are presumed to be thinned continental crust (Armstrong, 1988).

The Selwyn Basin rocks are variably folded and faulted and merge to the northeast with the Mackenzie platform foreland fold-and-thrust belt, representing the furthest inboard components of the passive margin sediments over thrust onto the North American craton, and to the southwest are juxtaposed to the accreted and dextrally offset Yukon -Tanana and Cassiar terranes (Mair et al., 2005).

Orogeny commenced in the Late Jurassic, with the closure of the passive margin basin and with the collision of the allochthonous units of the composite Yukon-Tanana terrane with the North American margin. Folding and thin-skinned thrust sheets accompanied by intense internal deformation were developed within the Selwyn Basin rocks (possibly in part along pre-existing extensional structures), the most important of which are, from north to south, the Dawson, Tombstone, and Robert Service thrust faults.

The Dawson thrust, which marks the transition between the Mackenzie Platform and the Selwyn Basin, is thought to represent a major pre-thrust deformation basin-bounding structure (Templeman-Kluit, 1981) and the locus of significant lead-zinc+/-silver mineralization. This thrust fault also marks the southern boundary of the informally named Rackla Gold Belt northeast of Mayo where a number of sediment hosted gold+/-silver deposits and occurrences (Tiger, Ocelot, Conrad and Osiris) have recently been discovered (Atac Resources Ltd., March 1, 2012 News Release).

As described by Stroshein (2011);

Sedimentary Hosted Gold Deposits (SHGD) are most famously known as Carlin-Type Gold Deposits. Carlin-Type deposits are characterized by relatively high gold-silver with enrichment in arsenic, antimony, mercury and thallium. Gold occurs as submicron-sized particles in iron sulphide. The deposits are generally hosted by Paleozoic carbonate rocks controlled by deep-seated likely ancient structures. The deposits are formed in low temperature and low pH environments with ore bearing fluids a mixture of meteoric and magmatic or metamorphic water.

In addition to the recently discovered sediment hosted gold+/-silver deposits and occurrences, Mississippi Valley-Type (MVT) deposits are also found around the margins of deep-water shale basins such as the Selwyn Basin. As noted by Stroshein (2011), MVT deposits are epigenetic, low-temperature, stratabound deposits of galena, sphalerite, pyrite and marcasite, with associated dolomite, calcite and quartz gangue in platformal carbonate sequences having primary and secondary porosity. Host rocks commonly form in shallow water, particularly tidal and sub-tidal marine environments. Reef complexes may be developed on or near paleotopographic basement highs. The majority of deposits are found around the margins of deep-water shale basins such as the Selwyn Basin. Typical deposits of the MVT in Yukon are Goz (MINFILE 106C 020), Blende (MINFILE 106D 064) and Craig (MINFILE 106C 073) (Figure 4). The Goz deposit is located 22 kilometers north-northeast and the Craig deposit is located 20 kilometers southwest of the of the Mckelvie occurrences on the Scarlet West property.

Orogenesis was ongoing into the Cretaceous; magmatism followed, emplacing plutons and volcanic units in both the Yukon—Tanana terrane and the Selwyn Basin (Woodsworth et al., 1991).

The initiation of subduction of the Kula plate during the late Cretaceous introduced dextral stresses, which caused 400 - 500 km of orogen-parallel displacement along the Tintina fault, which separates the Yukon-Tanana exotic terranes from the Selwyn Basin rocks (e.g. Mortensen et al., 2000).

Legend

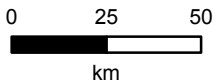
Intermontane

- ST - Stikinia
- QN - Quesnellia
- YT - Yukon-Tanana
- SM - Slide Mountain

Ancestral N America

- CA - Cassiar
- NAb - NA basinal
- NAp - NA platform
- NAc - NA craton & cover

Prospects held by others



Modified from Yukon Geological Survey Terrane map 2011



65°N

64°N

63°N

62°N

136°W

134°W

132°W



Scarlet West, Yukon Territory

Regional Geology

Scale: 1:2,000,000

NTS: 106C/02, 106C/03,
106C/06 & 106C/07

Date: 2013-01-10

NAD 83 Albers

Author: SD

Figure: 3

3.0 Property Geology

Grant Abbott mapped the Car property over a 2 day site visit in 2011 and the following is his report on the geology (Figure 4):

The CAR claims are underlain by a sequence of sedimentary and minor volcanic rocks about 2 km thick that range in age from late Proterozoic to possibly as young as Silurian or Devonian. The sequence is somewhat unusual in that the Proterozoic rocks most closely resemble strata belonging to Selwyn Basin, whereas the lower Paleozoic strata belong to the Ogilvie Platform located along the northern margin of Selwyn Basin.

The Proterozoic sequence includes three carbonate units separated by shale. With the exception of the lowermost carbonate, these rocks may correlate with the Hyland Group sequence on the STW Claims. The lowermost rocks are poorly exposed limestone and dolostone of Unit NPc. Notable is the presence of diamictite in at least two beds more than 2 meters thick in which rounded to angular quartzite and carbonate clasts are supported in a carbonate matrix. Recessive dark brown shale (Unit NPsh1) overlies the carbonate and is in turn overlain by pale greenish tan and lesser orange weathering flaggy, silty limestone (Unit NPI). These carbonates may be correlative to units NPgl and NPpl on the STW Claims. The carbonate is in turn overlain by a thin interval of recessive dark brown shale (NPsh2). The uppermost carbonate is tentatively correlated with the Algae Lake Formation and consists of well bedded pale grey, thinly laminated dolostone. Voids filled with sparry dolomite and “zebra” dissolution textures are common. The dolostone is overlain by recessive bright maroon shale correlated with the Narchilla Formation.

The Paleozoic sequence is well exposed on the northern and eastern flanks of Nadaleen Mountain, where it consists of three units. The lowermost (Unit COss) consists of moderately resistant brown weathering dark grey-green bioturbated weakly laminated siltstone and arkose that grades upsection into thin bedded blue-grey siliceous siltstone. About 2 meters of limestone was noted in one place at the base of the unit. The arkose sharply overlies the maroon shales of the Narchilla Formation (CN), which markedly thins from east to west, suggesting an angular unconformity. Similar rocks have not been reported from nearby areas, but their overall stratigraphic position suggests a Cambrian or Ordovician age. The siltstones are overlain by recessive dark grey, black to brown weathering silty limestone of Unit (NPI). These rocks lithologically resemble the Road River Group elsewhere in Ogilvie Platform, but they appear to underlie the Bouvette Formation whereas the the Road River Group overlies the Bouvette, so they have not been assigned to it. The silty limestone are sharply overlain by a thick sequence of resistant prominently layered, thick bedded to massive carbonate. The unit consists of coarse grained vuggy dolostone in the one locality visited near the base. These rocks closely resemble the Ordovician-Silurian Bouvette Formation and they are correlated with it.

In the western part of the claim group a window through the Bouvette Formation exposes a slightly different sequence of underlying rocks than those described above. Most of the

window is poorly exposed, but the one exposure of maroon shale seen from the air suggests that the oldest unit is the Narchilla Formation. One resistant outcrop near the maroon shale appears to be carbonate (Unit COc). These rocks were also only seen from the air and there is the possibility that they could be siliciclastic rocks of unit COss. The carbonate unit is overlain by dark brownish-grey weathering mafic volcanic rocks. Given the uncertain correlation of the underlying unit COc, it is unclear whether the volcanic rocks occur within the Bouvette Formation or if they are older.

The strata on the CAR Claims are weakly deformed. In the eastern portion of the claims they form an intact section that dips south with moderate dips in the north grading to gentle dips in the south. Farther west a steep normal fault and a few small splays cut the section along the northern margin of the claims. The fault juxtaposes Unit NPI on the north against progressively younger rocks going west. Displacement ranges from 0 m at the eastern end to more than 200 m in the west. The window through the Bouvette Formation is a simple asymmetric anticline with moderate dips on the north limb and somewhat steeper dips on the south limb. A normal fault along the axis of the anticline has a displacement of about 100 m with the south side down.

Atac Resources have identified both the Dawson thrust and the regional (and parallel) Kathleen Lakes fault as important structures bounding the Osiris, Conrad, and Isis deposits. Both the faults should lie about 15 km to the south of the Car property.

Scarlet West Geology

Ordovician and/or Silurian

OSc Bouvette Formation, Resistant light grey weathering, prominently layered, thick bedded to

Cambrian and/or Ordovician

EOv Resistant, dark brownish grey

EOI Recessive dark grey, black to brown weathering, thin bedded silty

EOss Moderately resistant thin bedded blue-grey siliceous siltstone grading down section into brown weathering dark grey-green bioturbated weakly laminated

Lower Cambrian

CN Narchilla Formation, Recessive, talus-forming maroon and

Neoproterozoic

NEAL Algae Lake Formation(?), Well bedded, pale grey, thinly laminated dolostone. Sparry dolomite? - filled voids and "zebra"

NEsh2 Recessive dark brown talus-

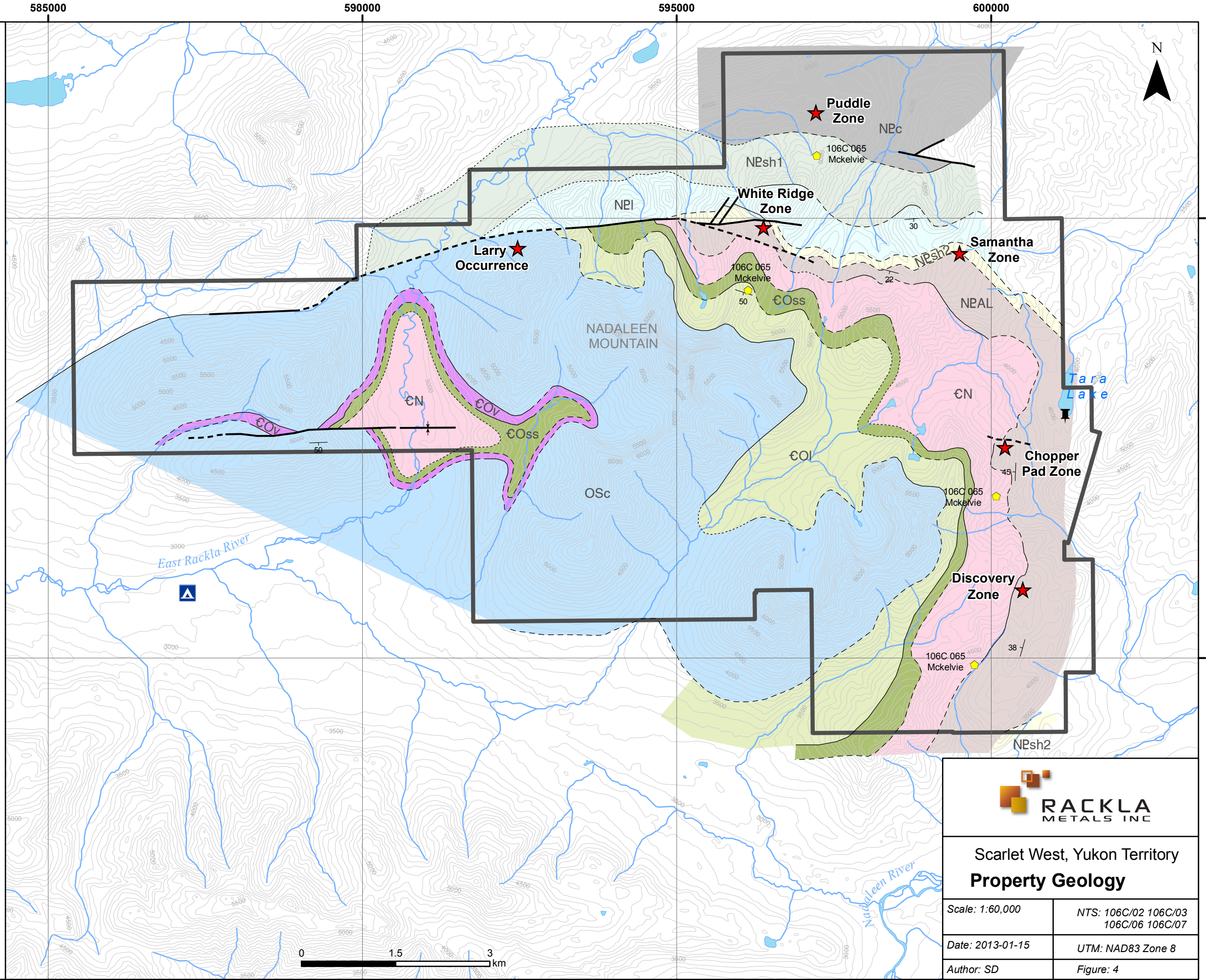
NEI Pale greenish tan and lesser orange weathering flaggy, silty

NEsh1 Recessive, dark brown,

NEc Poorly exposed grey

- Bedding
- Contact - certain
- Contact - concealed
- Contact - inferred
- Anticline
- Contact - thrust
- Fault - certain
- Fault - inferred
- Syncline
- Scarlet West Zones
- Minfile Occurrences
- Drill Core Location
- Rackla Camp
- Scarlet West Boundary
- Contour
- Creek
- River, Lake

Map After Grant Abbott, 2011 Scarlet Geology Map



**Scarlet West, Yukon Territory
Property Geology**

Scale: 1:60,000	NTS: 106C/02 106C/03 106C/06 106C/07
Date: 2013-01-15	UTM: NAD83 Zone 8
Author: SD	Figure: 4

3.1 Mineralization

The Scarlet West property covers an area containing a number of MVT (Zn-Pb+/-Ag) showings described collectively as the Mckelvie occurrence in Yukon Minfile (2012) (Figure 4). Birkeland (1976) names and describes the showings individually as the Discovery, Chopper Pad, Puddle and White Ridge Zones located along a 12.8 km mineralized strike length (Figure 4). Radius Gold discovered the Larry Occurrence in 2011 which is controlled by a fault structure that can be traced for 5 km through the White Ridge Zone (Figure 4). In 2012 a small zone named Samantha Zone was discovered which bridges the gap between the Chopper Pad Zone and the White Ridge Zone (Figure 4).

The main outcrop at the Larry occurrence, exposed over an area of approximately 20 m by 30 m, consists of a fault controlled limonite – iron oxide cemented breccia and well fractured variably silicified dolomite with iron oxide filled fractures. Smaller similar limonitic breccias and fracture zones are found on an approximately east trending steeply dipping fault structure between the Larry occurrence and the White Ridge Zone. Minor amounts of remnant galena were noted in the limonite – iron oxide breccia.

Mineralization at White Ridge Zone, about four kilometers west of the Larry occurrence, consists of remnant galena and sphalerite in pieces of dark brown iron oxide float in a scree slope of Algae Lake Formation(?) dolomite. An east – west trending steeply dipping fault zone and northeast and southwest trending fault splays, based on juxtaposed lithologies, is projected to cross the zone and presumed to control mineralization as at the Larry occurrence. Zebra textured dolomite is fairly abundant in the area.

Birkeland (1976) describes the mineralization at the Puddle Zone as coarse grained galena and sphalerite in fractures and recrystallized vugs. Apparently low grade (5%) mineralization was found over an 1800 m strike length hosted by a dolomite unit (likely map unit NPc). McIntyre Mines drilled three Winkie diamond drill holes on the Puddle Zone in 1975 (Figure 38 in Birkeland, 1976). No results are available from this drilling. Prospecting and reconnaissance geological mapping in 2012 indicates that the higher values of the multi-element (Ag-Pb-Zn-Hg-Sb-Tl-As) soil geochemical anomaly are over an unnamed dolostone-limestone unit (NPc) and over and adjacent to the contact between it and a shale unit (NPsh1). Lead-zinc mineralization was found within the soil anomaly in 2012.

The Discovery Zone consists of several showings of iron oxide – limonitic gossans and an iron seep located in the drainage east of the main showing on the ridge. Mineralization observed in 2011 and 2012 consisted of remnant fresh galena and sphalerite in the iron oxide – limonite material. Birkeland (1976) describes the mineralization as coarse crystalline galena and barite in fractures and open spaces along the upper contact of the Algae Lake Formation (?). In 2012 a small hand-blast trench was found, presumably excavated by McIntyre Mines that exposed coarse crystalline galena and barite (Plates 5 and 6). McIntyre Mines drilled four diamond drill holes on the Discovery Zone in 1975 (Figure 6 in Birkeland, 1976) but no results are available from this drilling.

The Chopper Pad Zone stretches 60 to 150 m along strike and is 1 to 5 m in width (Birkeland, 1976) and consists of brecciated limestone ('zebra' textures) with fine grained pyrite, sphalerite and galena in calcite veins. Birkeland (1976) mentions the presence of coarse grained crystalline galena with barite in

fractures and pods, similar to the Discovery Zone to the South. Both the Discovery and Chopper Pad Zones are found in the Algae Lake Formation (?) and within 50 – 100 m east of the contact with the overlying Narchilla Formation. Smaller gossans, mineralized outcrops and zebra textured dolomite-limestone at a similar stratigraphic position, are found along strike between the zones and to the north and south of them. The lead-zinc in soil anomaly reflects both known and suspected mineralization along strike.

In 2012 a small mineralized zone, named the Samantha Zone, was found 3 km north of the Chopper Pad Zone and 3 km east of the White Ridge Zone. Iron oxide rich gossan was present on the ridge top and downslope near the contact of Algae Lake Formation (?) and the brown shale unit (NPsh2). The heavily weathered and iron oxide rich float contained remnant disseminated galena and pyrite. The zone traces for approximately 100 m over widths of up to 10 m.

Both Birkeland (1976) and Rackla personnel noted that surface mineralization has been leached by weathering and that representative surface sampling of individual showings was not possible due to poor exposures and severe weathering of the host rock. Diamond drilling below large gossan zones in 1975 (i.e. Discovery Zone?) intersected sections of brecciated rock with a pyrite matrix (Birkeland, 1976). Pyrite concentrations were reported to be highest within the upper 15 m of the Algae Lake Formation (?) and bitumen was also observed with well-developed solution breccia zones in the zebra textured carbonate rock.



PLATE 4: LARRY BRAULT SAMPLING AT CHOPPER ZONE, ROCK SAMPLE 1298588

4.0 Geochemistry

A total of 2524 surface samples were collected and analyzed in 2012 consisting of 2404 soil samples and 120 rock samples. Locations of each sample were recorded using a handheld Garmin GPSMap 60CSx device with average accuracy of +/- 5 m (Figure 5). The samples were sent in weekly batches to the Acme Analytical prep lab in Whitehorse and then on to the Acme Analytical Lab in Vancouver for analysis.

Areas of interest were the White Ridge Zone, Chopper Pad Zone, Puddle Zone, Discovery Zone as outlined by McIntyre (Birkeland, 1976) and the Larry Occurrence found in 2011 (Hulstein, 2012). Sampling was focused over the Algae Lake Formation (?) dolomite and limestone as 2011 sampling and the McIntyre report indicated this was the host of the MVT mineralization. The Narchilla Formation was used as a marker bed for where to start sampling as this unit itself did not contain anomalous values for lead or zinc. Typically one or two samples were taken over the Narchilla red shale and then the samplers continued east or north into the Algae Lake Formation (?) and beyond.

Soil samples were collected across grids covering historic McIntyre assay areas and following up on 2011 geochemical results. The northern grids lines were spaced at 200 m running north-south and samples within the lines were at 50 m intervals. The south eastern grid consisted of east-west lines spaced at 200 m and samples at 50 m. At higher elevations, little O or A horizons exist and therefore most samples contained talus fines from outcrop or subcrop located uphill from the sample in the C horizon. In low lying tree covered areas the C horizon was often found to be over a metre deep due to thick organic cover material which made sampling in these areas difficult. Samples were obtained using an aluminum soil auger or a mattock and were placed in brown paper kraft bags along with the sample tag. The outside was labeled with the sample tag number. The paper bags were left in a covered area at camp to dry before being sent to the Acme Analytical's prep lab in Whitehorse, Yukon.

Soil samples were sent to the Acme Analytical prep lab in Whitehorse where they were dried at 60 °C and 100 grams was sieved to -80 mesh. The prepped samples were shipped to the Acme Analytical Lab in Vancouver where a 15 g aliquot was analyzed using aqua regia digestion followed by ultratrace ICP-MS analysis (Acme method code 1F02). Overlimit values were automatically analyzed using a 0.5 g aliquot and 4-acid digestion with ICP-ES finish.

Rock samples were collected from areas based off of the 2011 geochemical results and the geologic map produced by Grant Abbott. Grab samples were collected from float, subcrop or outcrop. Chip samples were also taken from select outcrop. Rock samples were sent to the Acme Analytical prep lab in Whitehorse where 250 g of each sample was crushed to -200 mesh and then analysed at the Acme lab in Vancouver. A 15 g aliquot was analyzed by aqua regia digestion followed by ultratrace ICP-MS analysis (Acme method code 1F02). Overlimit values were automatically analyzed by a 0.5 g aliquot using 4-acid digestion with ICP-ES finish.

The geochemical results are discussed in the following section of this report and analytical certificates can be found in Appendix A. Rock sample locations, geochemical results and descriptions for 2012 can be found in Appendix B and soil sample locations and geochemical results for 2012 in Appendix C. Geochemical statistics for soil samples, including geochemical thresholds and correlation charts can be found in Appendix D.

4.1 Geochemical Results

A discussion of the geochemical results follows for each of the mineralized zones on the Car property. The analytical results for select elements (Ag, Pb, Zn, Cu, Au, As, Tl, Hg, Mo, Sb, Cd and S) are shown on Figures 6, 7 and 8 and listed in Appendices B and C. Plates 5, 6, 7 and 8 contain photos of select rock samples.

Puddle Zone:

The Puddle Zone is notably anomalous in silver, lead and zinc, with the anomalous area open to the north and west (Figures 6a, b & c). Anomalous values of copper, arsenic, mercury, thallium, cadmium, barium and antimony are also found (Figures 6d, 7b, 7c, 7d, 8c & 8b). The copper values over the property are low (<410 ppm) and no gold anomaly is present in this area. This is also the largest silver anomaly on the property with a diameter of 1.2 km (Figure 6a). Anomalous silver values range from 384 ppb to 5052 ppb in soils and 4636 ppb to 20148 ppb in rocks. The anomaly occurs in carbonate rocks (unit NPC) with higher values found at the carbonate shale contact.

Discovery Zone and Chopper Pad Zone:

The Discovery and Chopper Pad Zones are hosted by the Algae Lake Formation (?) and are anomalous in lead and zinc along the boundary of the Algae Lake unit with the overlying Narchilla Formation (Figures 6b & c). Zinc values in soils are up to 4.66% in the Chopper Pad Zone and lead values in soils reach 10,000 ppb (the detection limit) in the Discovery zone. Both zones appear to follow a preferentially mineralized horizon within the Algae Lake Formation (?). These zones and strike extensions also have anomalous thallium, mercury, cadmium and barium values in the soil (Figures 7c, 7d & 8c). These results are consistent with historic McIntyre Mines results.

White Ridge Zone:

The White Ridge Zone occurs over a fault covering map units NPAL, NPsh2, NPI and terminating at the Narchilla Formation contact to the south. This area is anomalous in lead (< 1.62%), zinc (< 1.32%) and silver (< 3752 ppb) with minor gold (< 39 ppb) (Figures 6a, 6b, 6c & 7a). It is also notably anomalous in mercury, thallium and cadmium (Figures 7c, 7d & 8c). The highest zinc value in rocks (53% Zn) in vuggy decomposed iron oxide float with blebs of galena occurs here (Plate 5).

Larry Occurrence:

The Larry Occurrence is moderately anomalous in silver, lead (<2320.07 ppm) and zinc and also has minor arsenic, mercury and thallium anomalies (Figures 6a, 6b, 6c, 7b, 7c & 7d). These anomalous values occur in gossans near the fault separating map units OSc from NPAL. This fault is thought to be the structure controlling mineralization in this area.

Samantha Zone:

The Samantha zone has a very tight anomaly of silver (< 2152 ppb), lead and zinc (< 1.96%) with moderate thallium and low gold values (<12.7 ppb) (Figures 6a, 6b, 6c, 7a & 7c). Gossan present at the contact between the Algae Lake Formation (?) and the brown shale (NPsh2) contained the mineralization for the zone. This zone is the link between the White Ridge Zone to the east and the Chopper Pad Zone to the South.

Other Areas of interest:

East of the Chopper Pad and Discovery Zone's lead – zinc anomaly is a parallel low gold anomaly with values reaching 39.3 ppb (Figure 7a). Arsenic, thallium and minor copper anomalies occur near the western portion of the fault that cuts through the Larry and White Ridge Zones where lead and zinc values are low (Figures 7b & c). The south west corner of the property has a very weak gold, a small copper and a small to moderate arsenic anomaly just north of the syncline (Figures 6a, 7a & 7b). To the east of the Puddle zone a weak, scattered multi –element anomaly of gold, arsenic, copper, silver and lead exists with no coincident zinc anomaly (Figures 6a, 6b, 6d, 7a & 7b).

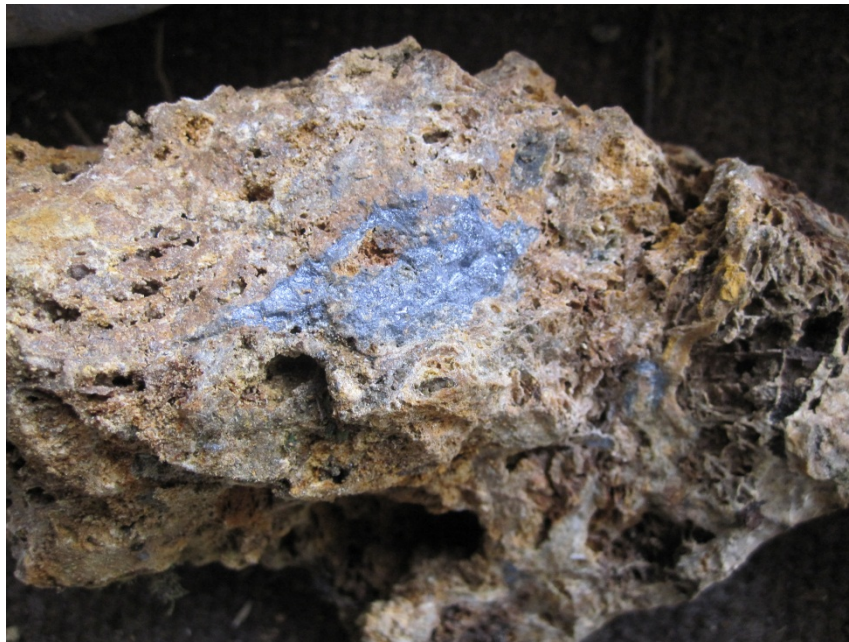


PLATE 5: SAMPLE 1298661

*49.67% Zn, 1.44% Pb, > 50000 ppb Hg, 5332 ppb Ag
Float grab from White Ridge Zone*



PLATE 6: SAMPLE 1298551

*70.5% Pb, 0.28% Zn in brecciated limestone with coarse cubic galena and calcite
Discovery Zone blast trench from McIntyre Mines*



PLATE 7: SAMPLE 1303463

*2.52% Zn, 0.17% Pb
Float Grab from Samantha Zone*



PLATE 8: SAMPLE 1303492

*5222 ppb Ag, 21448 ppb Hg, 2.28% Pb, 6.7 ppm Sb, 11.93% Zn
Grab float from Puddle Zone, strongly clay altered with iron oxide, cubes of galena*

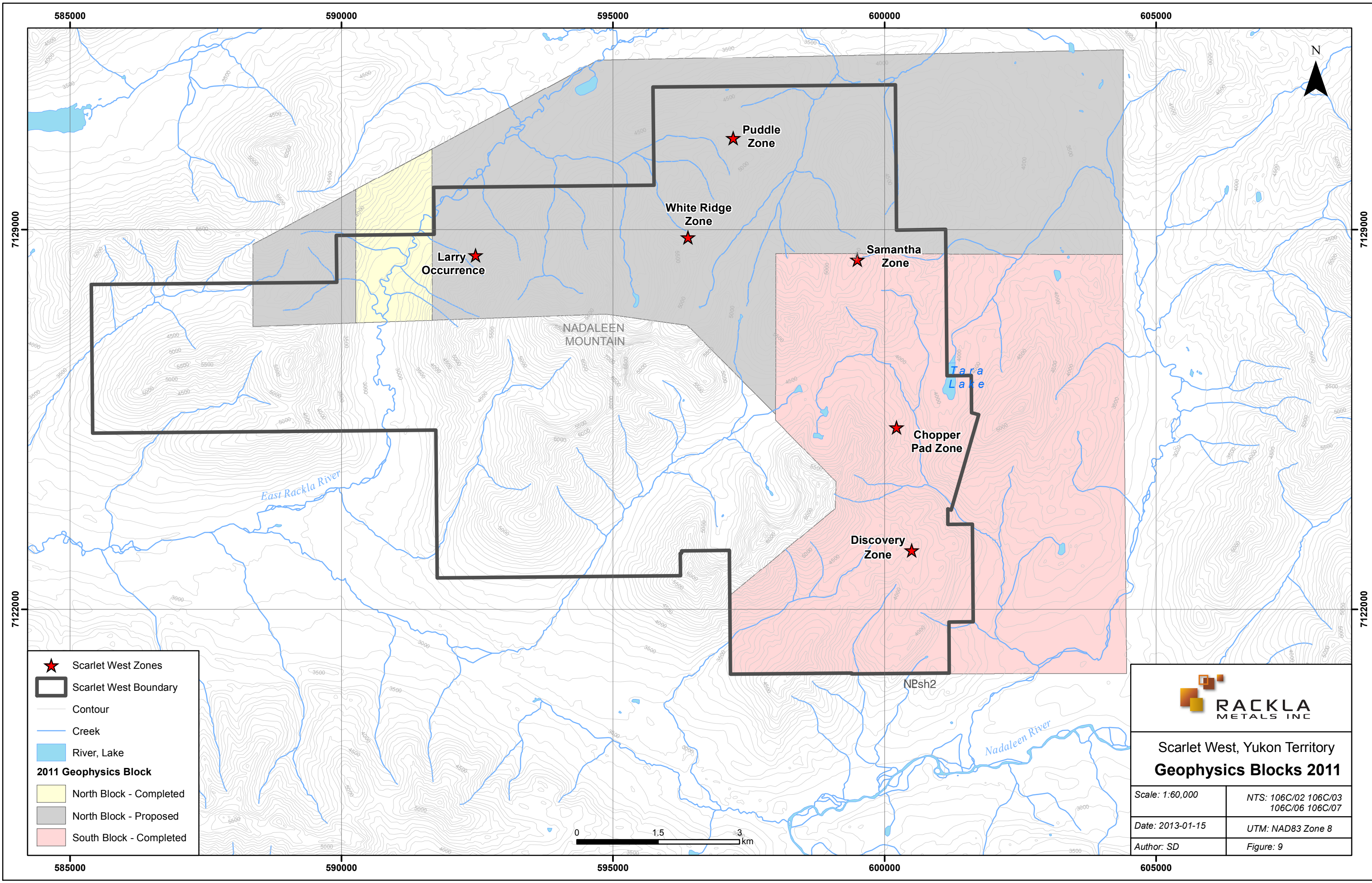
Table 2: Summary of Geochemical Anomalies on the Car Property

Zone	Au	As	Tl	Hg	Ag	Cu	Pb	Zn
Discovery Zone	E side of NPAL, does not coincide with Pb/Zn anomaly		With Zn, moderate - strong	Weak, scattered		Weak, scattered, in CN and NPAL	Strong, along NPAL contact with CN	Strong, along NPAL contact with CN
Chopper Pad Zone	E side of NPAL, does not coincide with Pb/Zn anomaly		With Zn, moderate - strong	Weak, scattered	Weak, NE corner		Strong, along NPAL contact with CN	Strong, along NPAL contact with CN
Samantha Zone	Moderate		Small, moderate	Small, weak	Weak, scattered		Tight, moderate	Tight, moderate
White Ridge Zone	Moderate	Weak, rocks	Moderate	Strong	Weak, scattered	Weak, scattered	Strong and extends to the east	Strong and extends to the east
Larry Occurrence	Weak	Weak	Moderate	Moderate	Weak, some scattered		Small, very tight	Small, very tight
Puddle Zone		Strong	Moderate	Large, Moderate	Moderate	NPsh1, south, not coincident with As	Small, tight - along shale and NPC contact	Small, tight - along shale and NPC contact
NW side of property		Small, moderate	Weak			Very small		
SW side of property	Very weak	Small, moderate				Very small		
NE side of property	Weak	Scattered		Large, weak, scattered	Weak, scattered	Weak, scattered		

5.0 Geophysics

An airborne geophysical survey was flown over the Car property by Precision GeoSurveys Inc. from November 30, 2011 to December 3, 2011. A North block (7 km by 16 km) and a South block (7 km by 8 km) were flown for the acquisition of magnetic and radiometric data over mineralized zones (Figure 9). Due to poor weather conditions, the North block was not completed and the data could not be leveled. The radiometric data was not corrected for either block due to signal degradation because of the snow cover. The South block was completed and the data leveled. The calculated vertical gradient for the South block in relation to the geology and mineralized zones is shown in Figure 10. For more detail, refer to Appendix E.

The magnetic signature in the South block appears to have a general correlation with the geology and geochemical trends observed in the area (Figure 10). No conclusions were drawn from the North block due to the survey being incomplete.

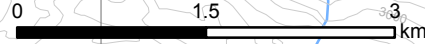


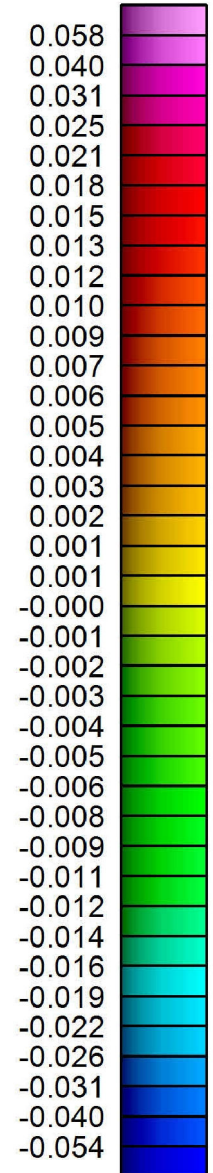
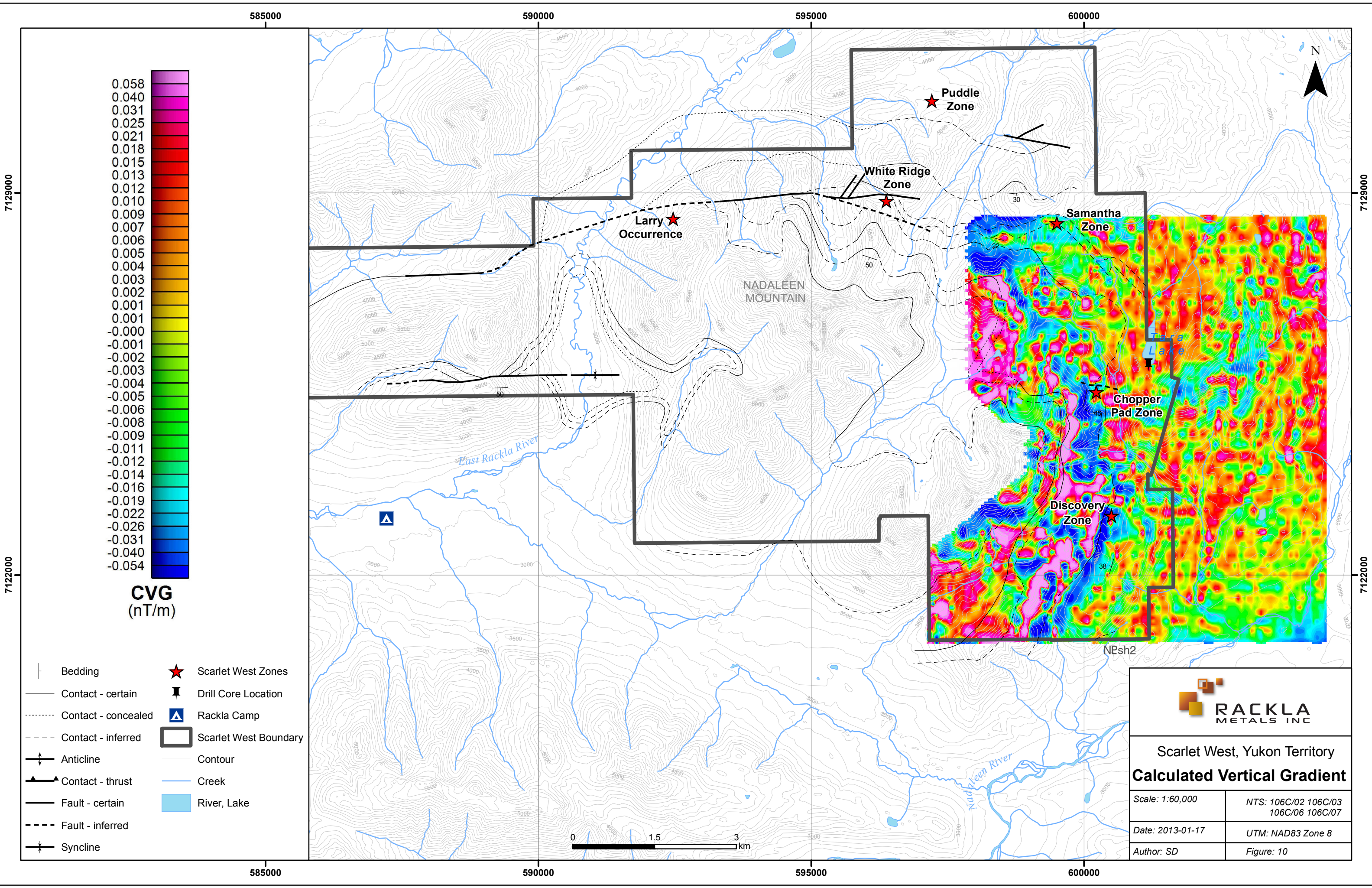
- ★ Scarlet West Zones
- Scarlet West Boundary
- Contour
- Creek
- River, Lake
- 2011 Geophysics Block**
- North Block - Completed
- North Block - Proposed
- South Block - Completed



**Scarlet West, Yukon Territory
Geophysics Blocks 2011**

Scale: 1:60,000	NTS: 106C/02 106C/03 106C/06 106C/07
Date: 2013-01-15	UTM: NAD83 Zone 8
Author: SD	Figure: 9





CVG
(nT/m)

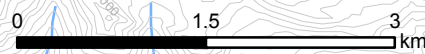
- Bedding
- Contact - certain
- Contact - concealed
- Contact - inferred
- Anticline
- Contact - thrust
- Fault - certain
- Fault - inferred
- Syncline
- Scarlet West Zones
- Drill Core Location
- Rackla Camp
- Scarlet West Boundary
- Contour
- Creek
- River, Lake

RACKLA
METALS INC

Scarlet West, Yukon Territory

Calculated Vertical Gradient

Scale: 1:60,000	NTS: 106C/02 106C/03 106C/06 106C/07
Date: 2013-01-17	UTM: NAD83 Zone 8
Author: SD	Figure: 10



6.0 Conclusions and Recommendations

Continued exploration on the Car property in 2012 has yielded a number of MVT base metal occurrences and anomalies (lead and zinc) and minor silver anomalies in rock and soil on the eastern (Chopper Pad and Discovery Zones) and northern (Larry, White Ridge, Puddle and Samantha Zones) areas of the property along a strike length of approximately 12.8 km. Additional anomalies of gold, copper, thallium, mercury and arsenic have also been identified of which the Puddle Zone is most significant.

The property is underlain by Neoproterozoic to Paleozoic deep water basin sedimentary rocks that have been gently folded and faulted. Mineralization tends to be concentrated near the edges of the Neoproterozoic age Algae Lake Formation (?) dolomite and near the east-west trending fault that runs parallel to the regional Dawson thrust fault and Kathleen Lakes thrust fault. Four mineralized zones were identified by McIntyre Mines which included the Discovery Zone, Chopper Pad Zone, Puddle Zone and White Ridge Zone (Birkeland, 1976). In 2011, Radius Gold Inc. found the Larry Occurrence along a fault over to the west of the previously identified zones. The Samantha Zone, found in 2012, is located to the east of the White Ridge Zone and to the north of the Chopper Pad Zone.

Rock and soil analytical results indicate areas of anomalous lead and zinc over all six mineralized zones with the largest of the anomalies being in the Discovery, Chopper Pad and White Ridge Zones. Scattered silver anomalies are found in the northern part of the property, particularly the Puddle Zone, but are absent in the south eastern area of the property. Low anomalous gold values east of the Chopper Pad and Discovery zones are not coincident with the strong lead and zinc anomalies of these zones but are parallel to it. The airborne magnetic signature over the south east part of the property seems to generally correlate with the geological and geochemical trends.

Additional work on the Car property is recommended in the form of trenching and detailed geological mapping to better define the existing MVT targets outlined by the 2011 and 2012 soil and rock sampling. Particular attention should be paid to the Puddle Zone where the anomaly is open to the north and the west. Additional claims are required to find the extent of the Puddle Zone. Helicopter supported trenching using a 'Can-Dig' excavator is recommended for use over the predetermined targets. If the results from trenching are favourable, then diamond drilling is recommended as the next course of action.

7.0 Statement of Costs

The following costs were incurred on the Car property in 2012:

Estimated 2012 Eligible Expenditures - Car Property	
Helicopter including fuel (Heli Dynamics)	\$42,195
Fixed Wing (Alkan Air)	\$43,845
Rackla Metals Labour	\$52,150
Contractors (Bros Exploration, Melansons)	\$71,252
Geochemistry (Acme Analytical)	\$49,678
Camp and Supplies (Over the Top, etc.)	\$8,820
Report and Reprographics	\$5,000
Total	\$272,940

Respectfully submitted,

Samantha Dyck, B.Sc., GIT

January 17, 2013

8.0 Statement of Qualifications

I, Samantha Dyck of:

3533 W 18th Ave

Vancouver, BC

V6S 1A9,

Do hereby certify that:

1. I have worked in the mineral exploration industry for 5 years, 4 of which were in the Yukon Territory.
2. I am a graduate of the University of British Columbia, Vancouver, with a degree in geological sciences (B.Sc. Hons., 2007) and have been involved in geology and mineral exploration since 2006.
3. I am a registered Geologist in Training (GIT) with APEG BC.
4. This report on the Car 1-320, Lin 1-178 and Elko 1-15 claims in the Mayo Mining District, Yukon was prepared by me under the supervision of Roger Hulstein, B.Sc., P.Geo. who has been on the ground of the Car property.
5. I worked on the Car property in 2011 and 2012 and this report is based on my findings, the work of my colleagues and referenced resources.

Samantha Dyck, B.Sc., GIT

January 17, 2013

9.0 References

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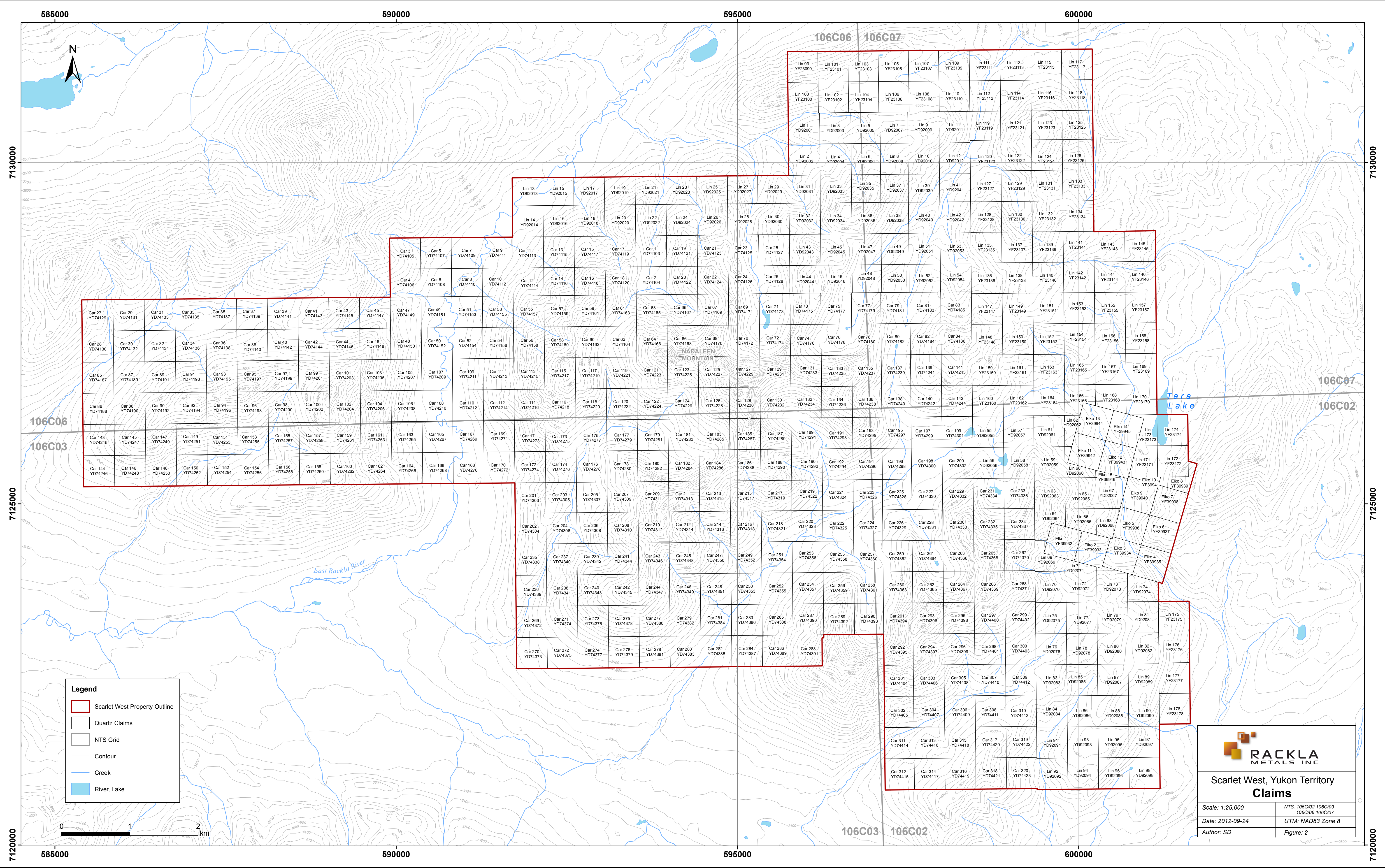
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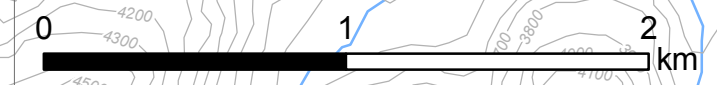
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Legend

- Scarlet West Property Outline
- Quartz Claims
- NTS Grid
- Contour
- Creek
- River, Lake





**RACKLA
METALS INC.**

**Scarlet West, Yukon Territory
Claims**

Scale: 1:25,000	NTS: 106C02 106C03 106C06 106C07
Date: 2012-09-24	UTM: NAD83 Zone 8
Author: SD	Figure: 2

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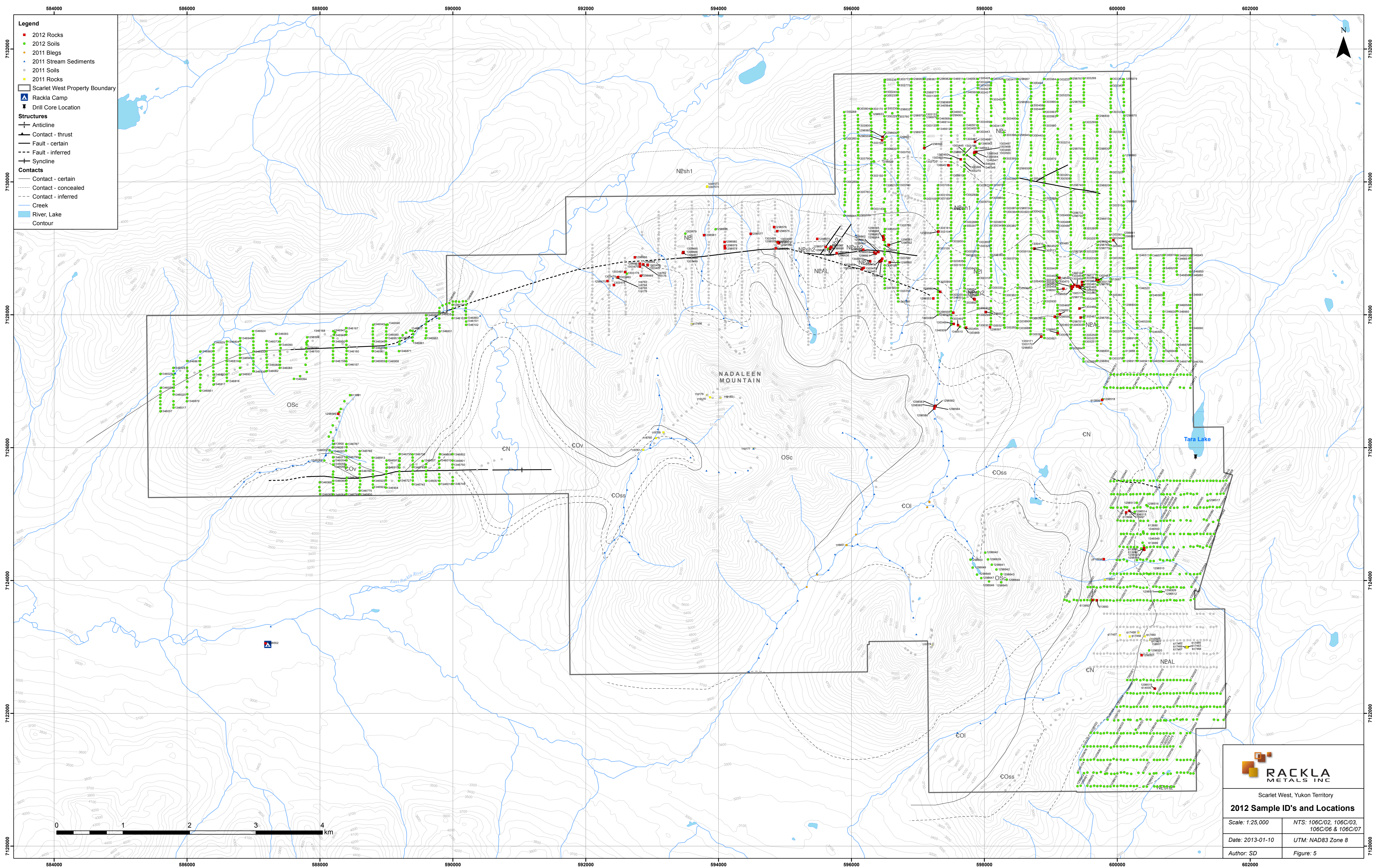
106C03 106C02

Tara Lake


NADALEEN MOUNTAIN

East Rackla River





- Legend**
- 2012 Rocks
 - 2012 Soils
 - 2011 Blegs
 - 2011 Stream Sediments
 - 2011 Soils
 - Scarlet West Property Boundary
 - ▲ Rackla Camp
 - ▼ Drill Core Location
- Structures**
- Anticline
 - Fault - thrust
 - Fault - certain
 - - - Fault - inferred
 - Syncline
- Contacts**
- Contact - certain
 - · · · · Contact - concealed
 - - - Contact - inferred
 - Creek
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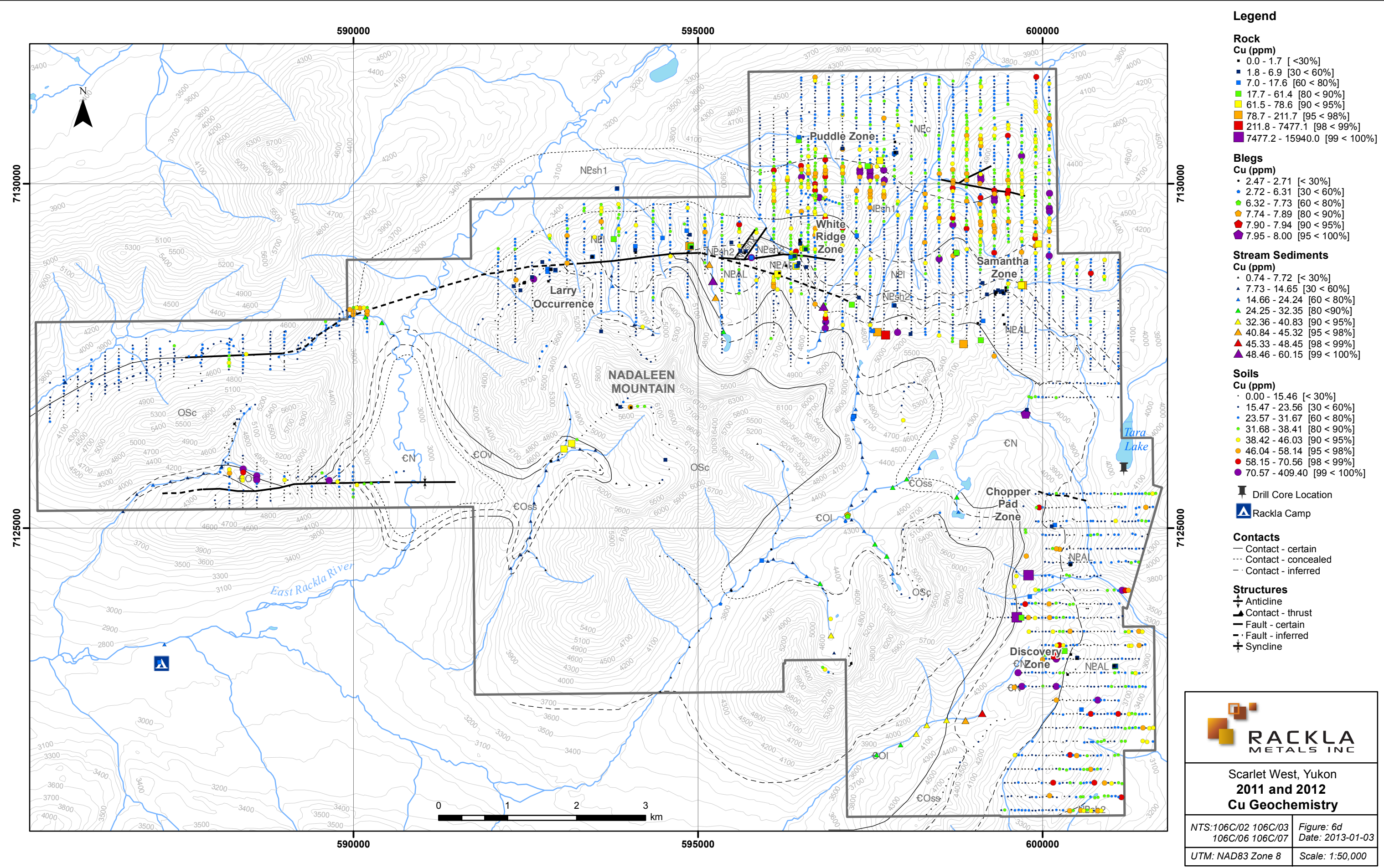
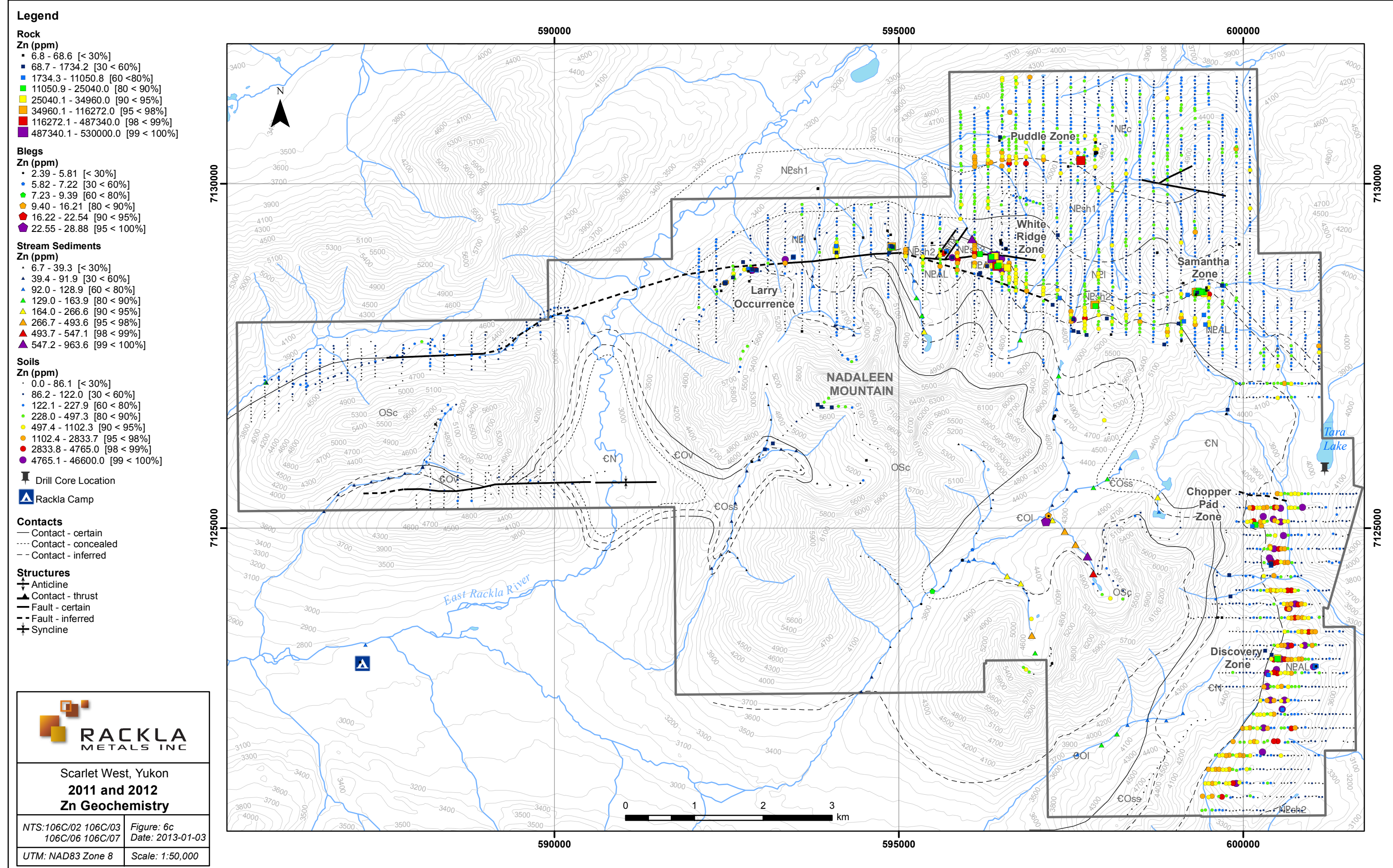
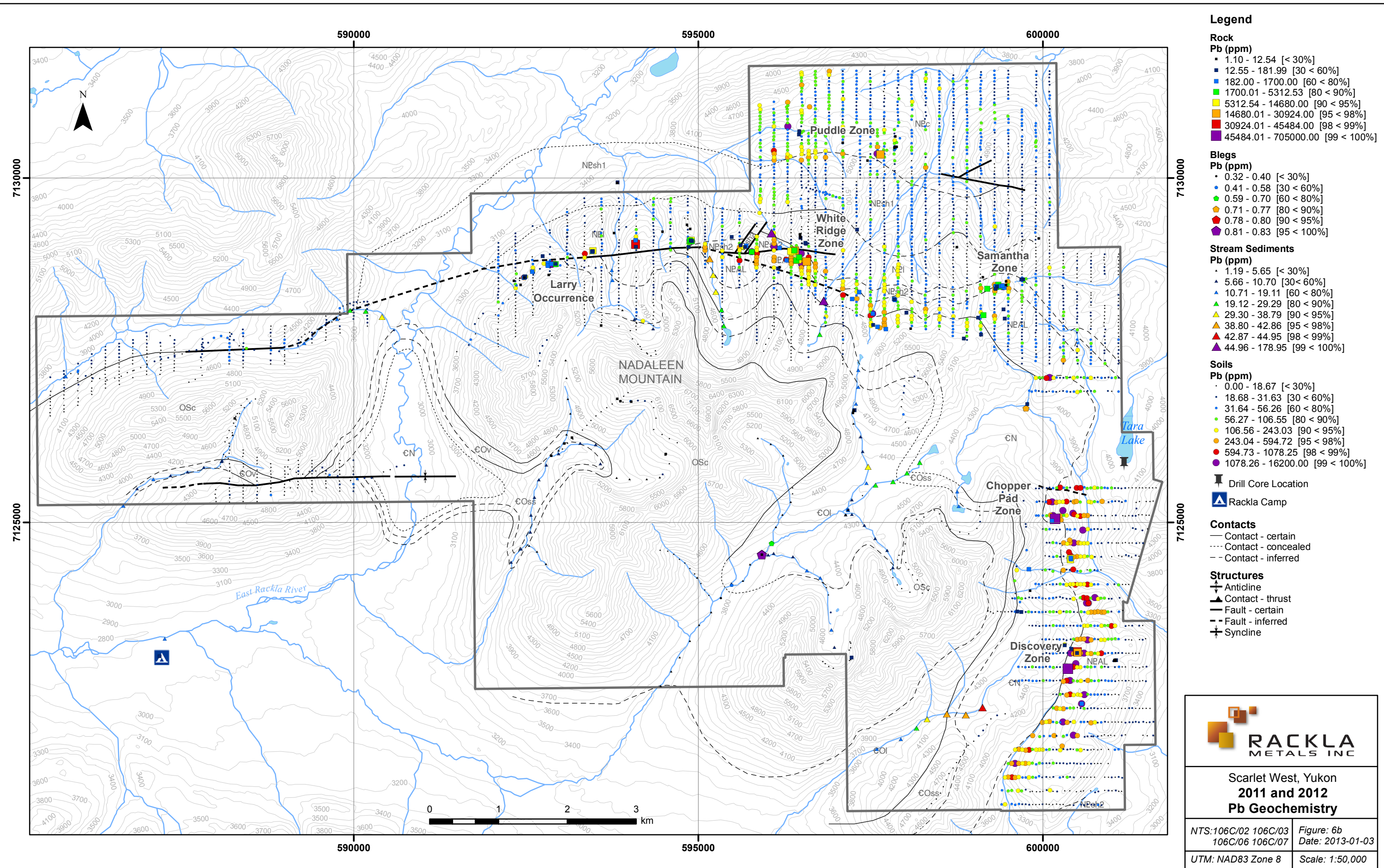
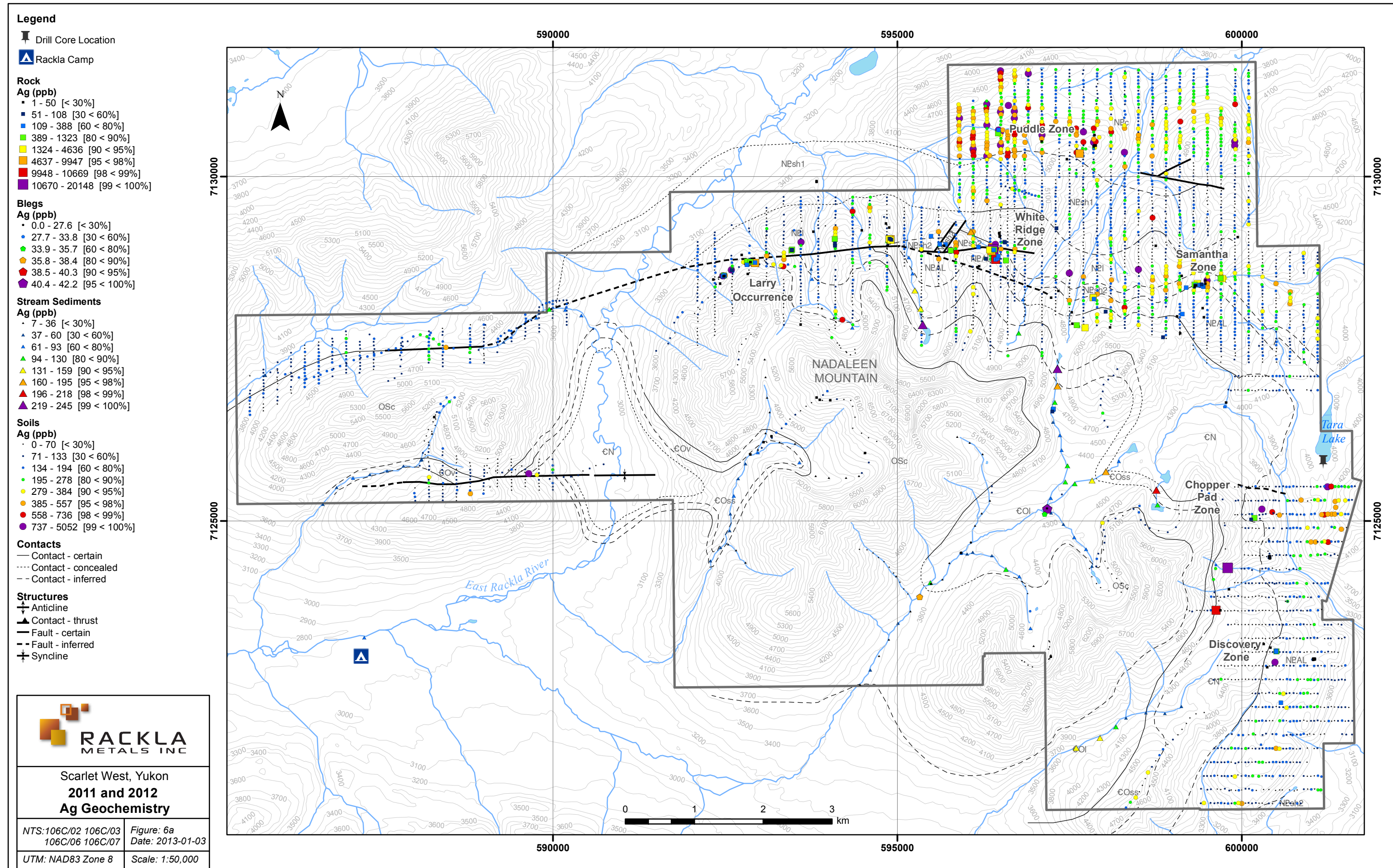


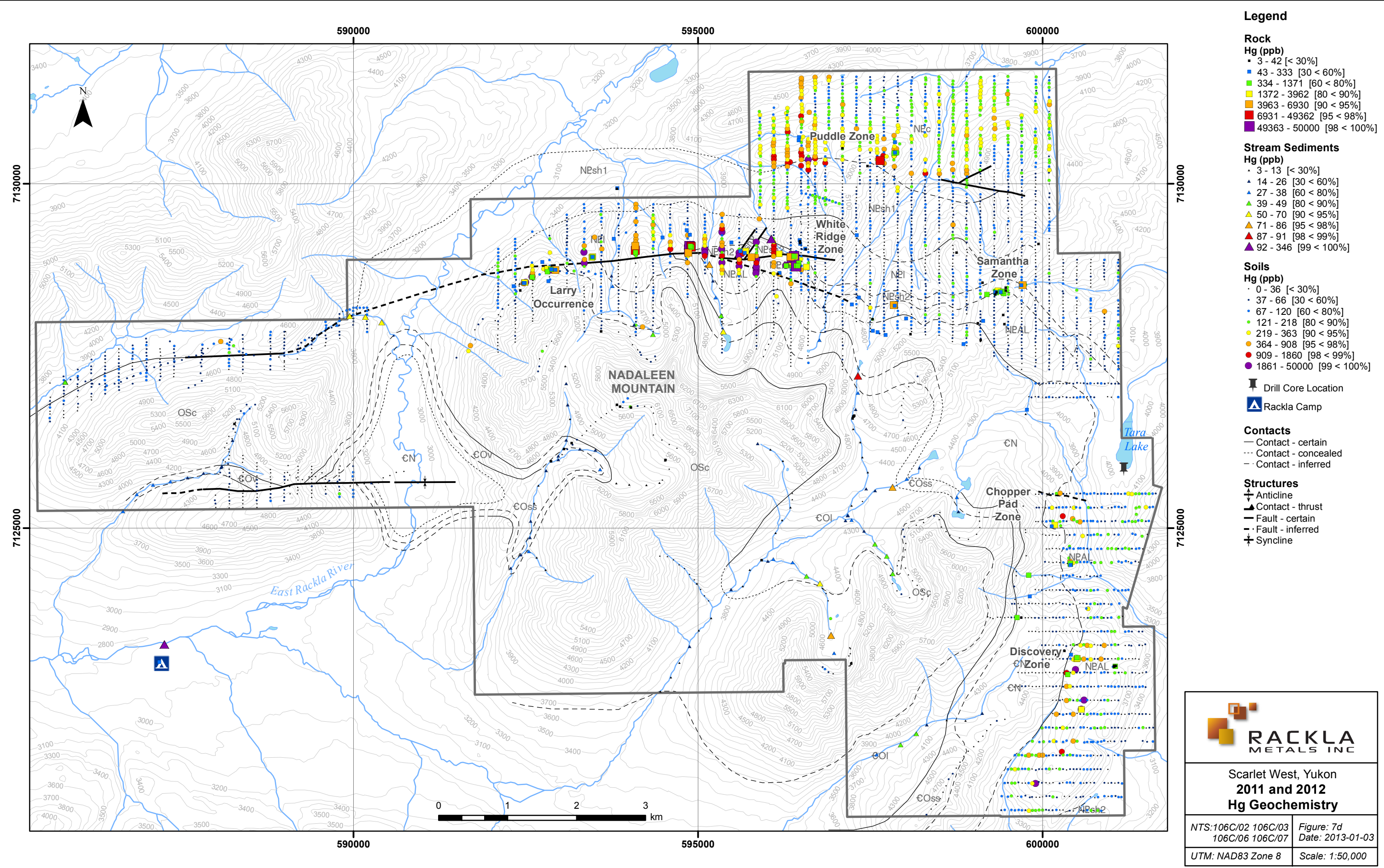
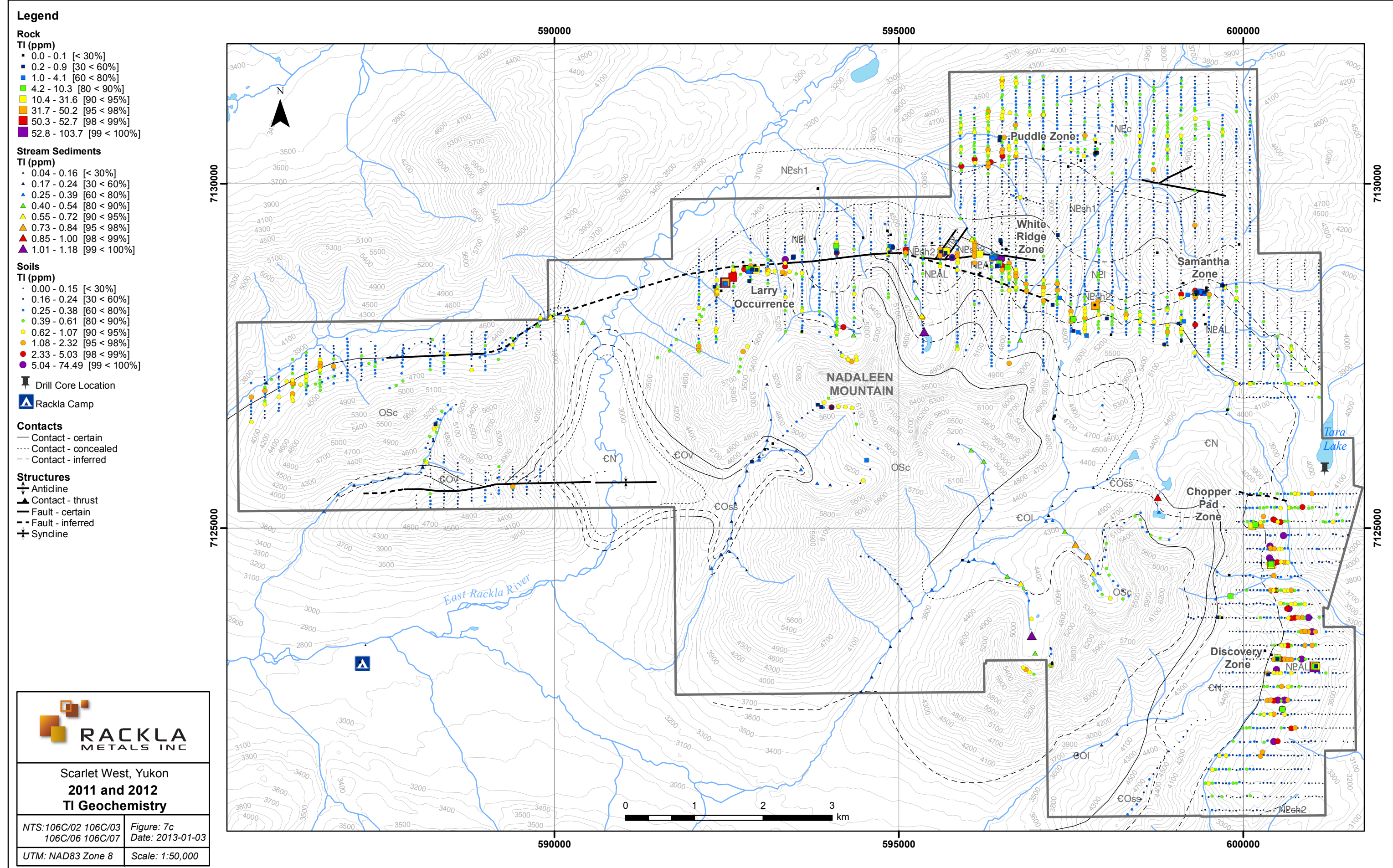
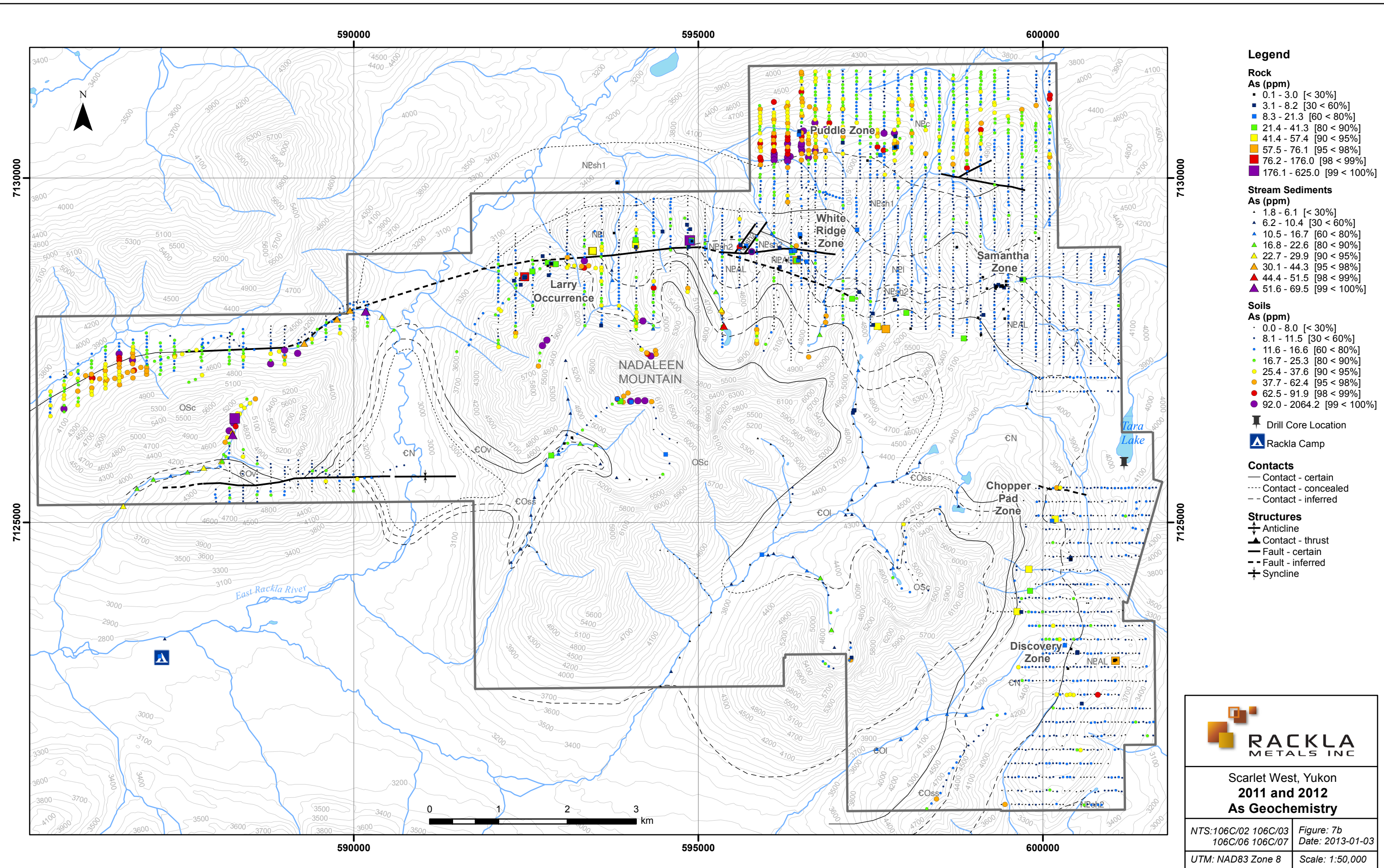
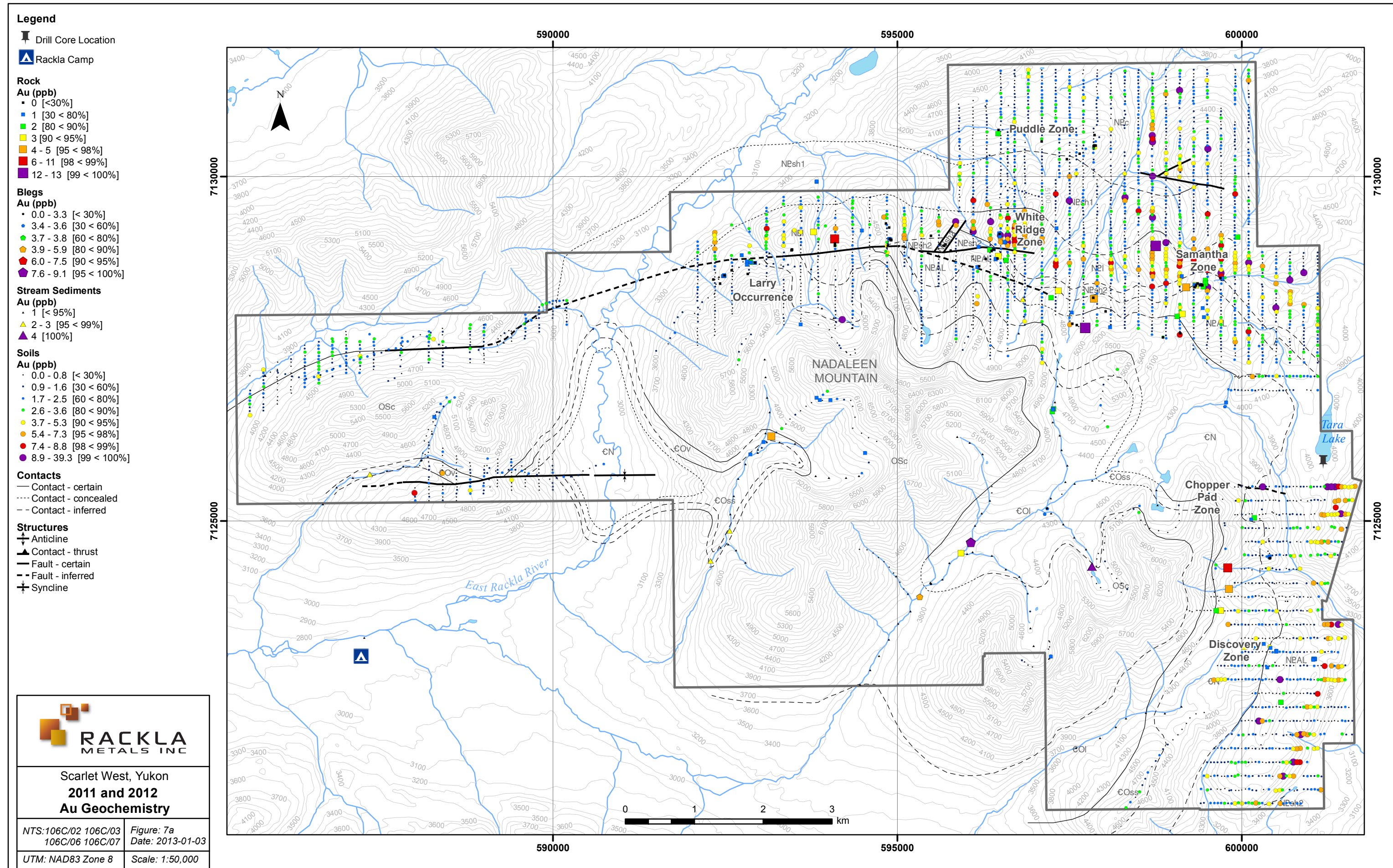
**RACKLA
METALS INC**

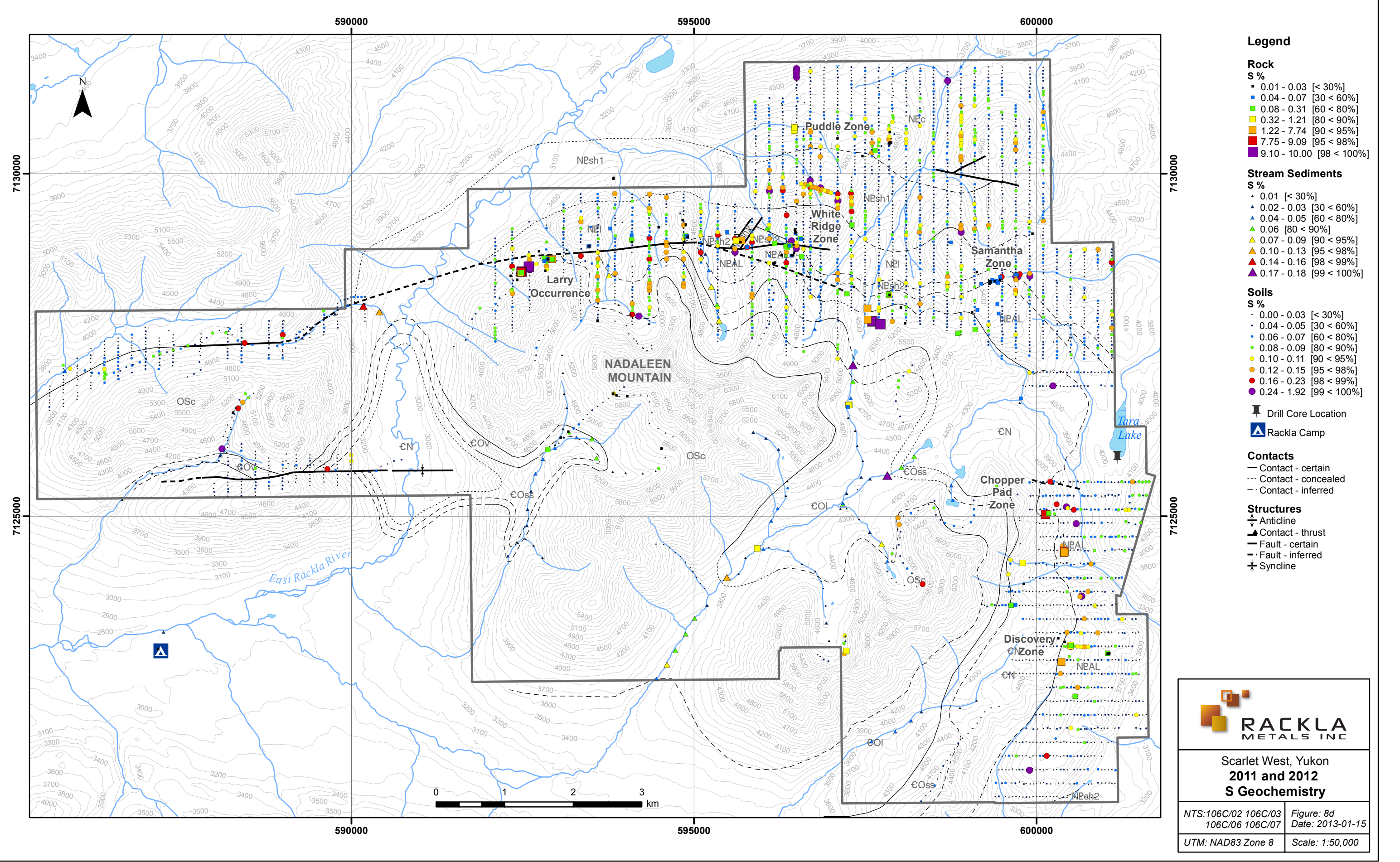
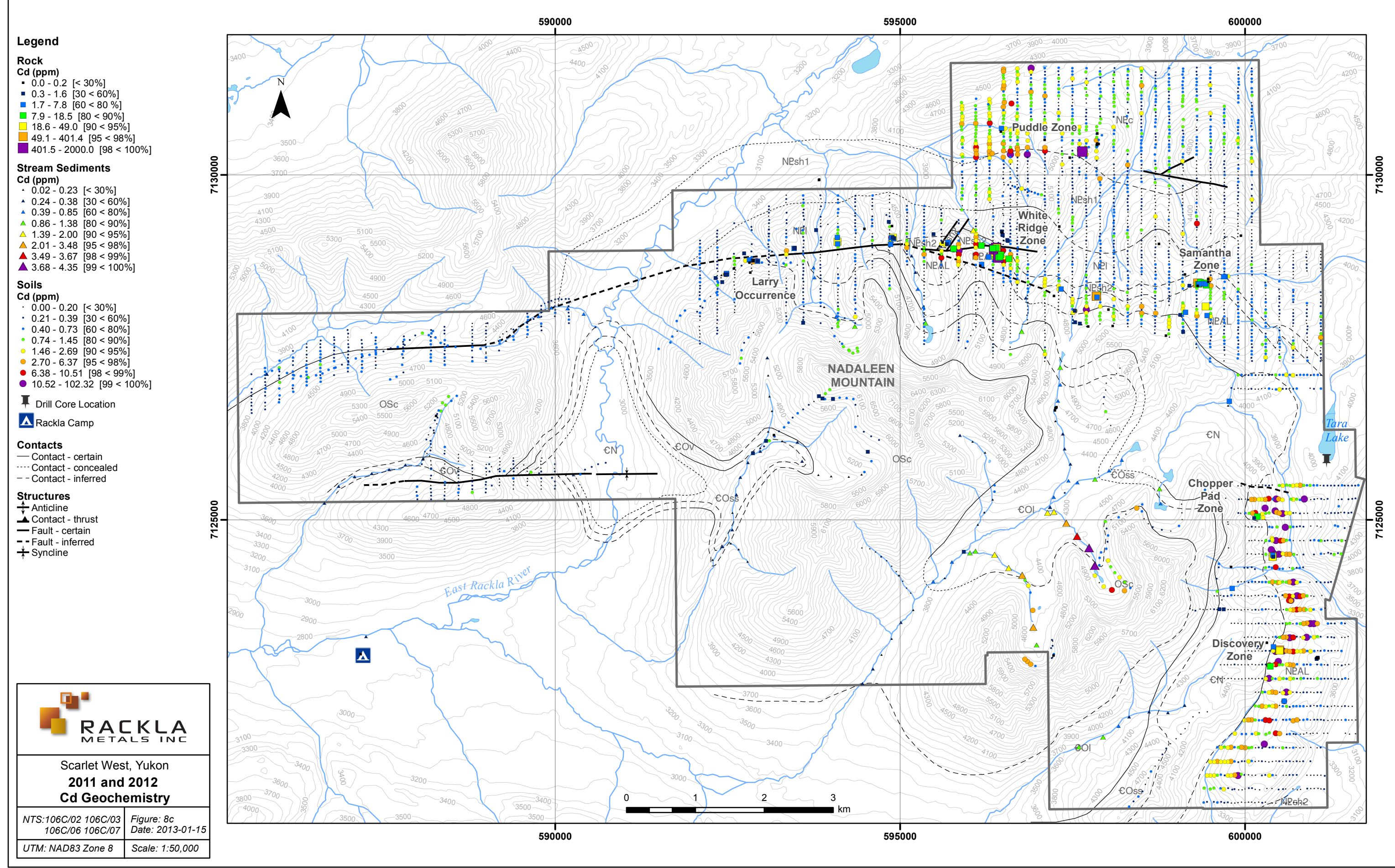
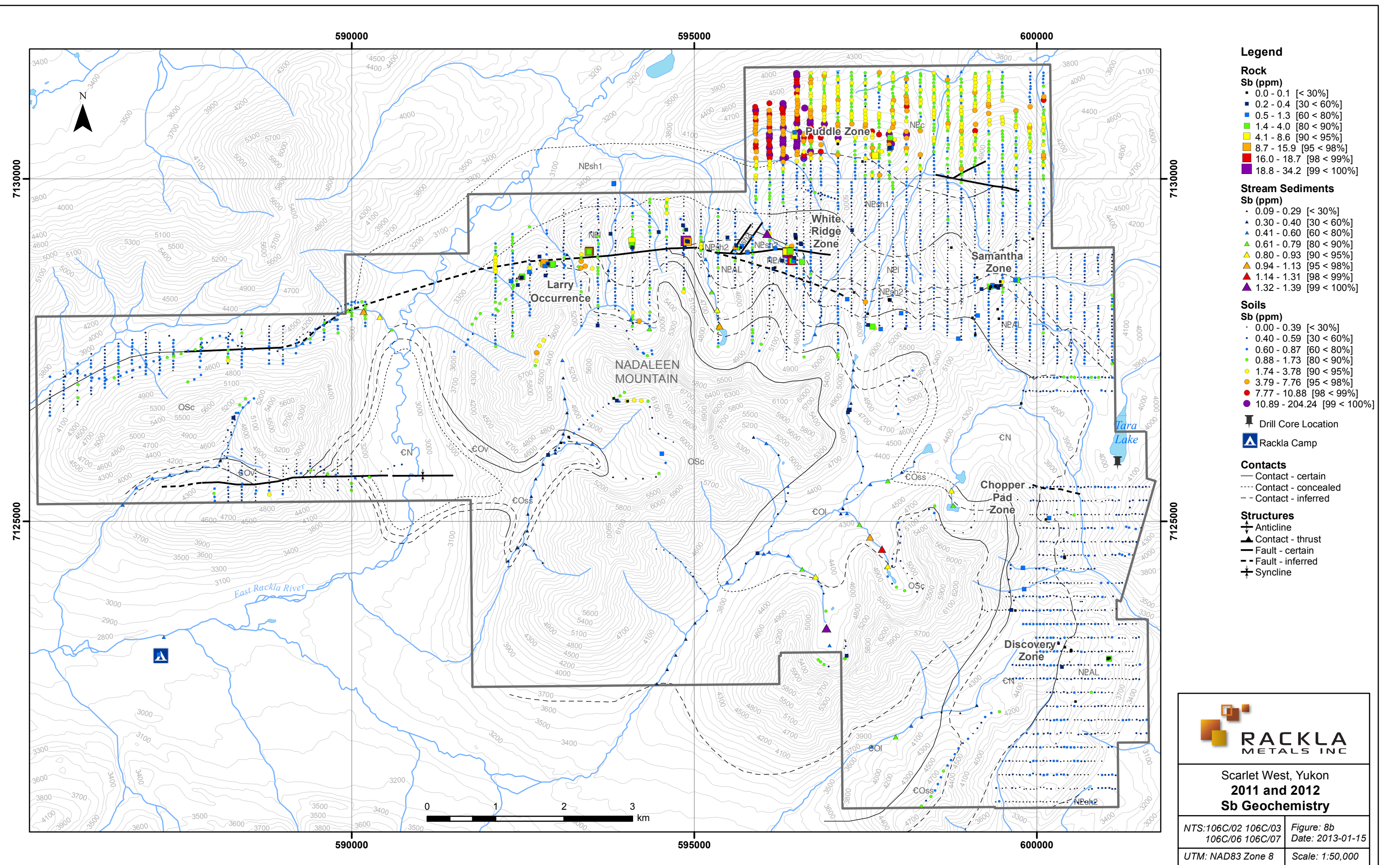
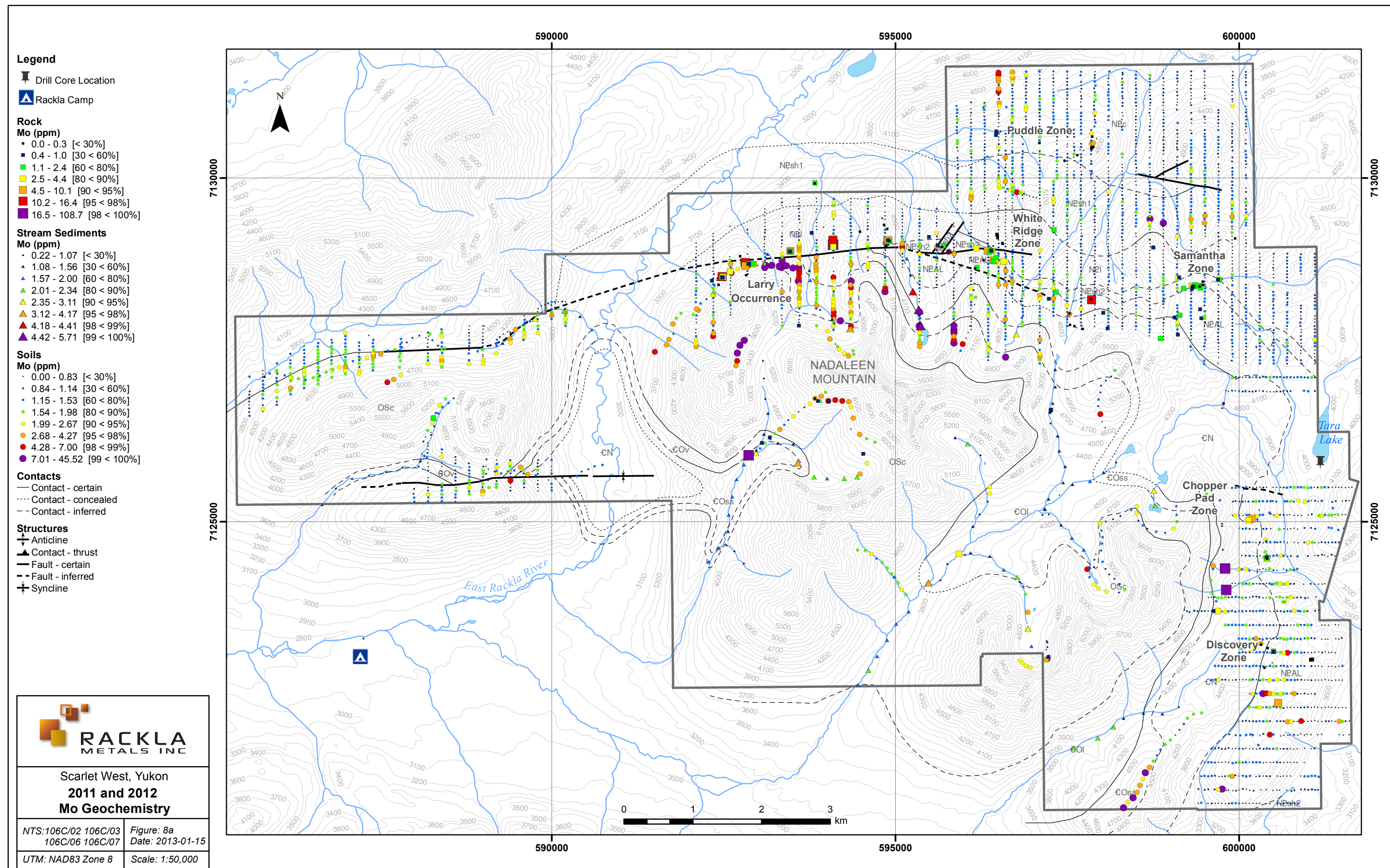
Scarlet West, Yukon Territory

2012 Sample ID's and Locations

Scale: 1:25,000	NTS: 106C/02, 106C/03, 106C/06 & 106C/07
Date: 2013-01-10	UTM: NAD83 Zone 8
Author: SD	Figure: 5







Appendix A:
2012 Analytical Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 09, 2012
Report Date: August 12, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000251.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-3
P.O. Number
Number of Samples: 19

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	19	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	19	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD	4	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	1	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS



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



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 12, 2012

Page: 2 of 2

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI12000251.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	ppm	2	0.01
1298551	Rock	1.18	0.03	0.21	>10000	3674	44	<0.1	<0.1	134	0.15	<0.1	<0.1	0.5	<0.1	18.2	9.85	0.17	0.09	<2	3.18
1298552	Rock	1.65	0.82	11.66	181.3	6.8	134	28.7	8.2	360	2.87	9.8	1.8	1.5	1.8	2031	0.03	0.65	0.07	9	29.36
1298553	Rock	1.16	0.70	26.99	379.9	167.6	35	20.1	11.6	392	4.02	22.2	0.3	1.2	3.7	9.1	0.14	0.63	0.36	10	0.37
1298554	Rock	1.79	2.14	2.04	267.7	2380	9	1.3	0.4	2552	11.96	4.4	1.7	2.0	0.3	48.0	1.87	0.06	<0.02	6	13.31
1298555	Rock	1.82	0.26	0.43	376.6	883.2	7	<0.1	0.4	1215	4.85	3.4	0.6	1.0	0.1	37.6	0.94	<0.02	<0.02	<2	14.79
1298556	Rock	1.49	0.43	0.47	59.19	641.3	4	1.0	0.4	3470	2.27	2.3	0.7	1.2	0.2	45.5	0.79	<0.02	<0.02	<2	17.28
1298557	Rock	1.26	1.95	2.55	1795	2597	210	1.7	0.4	863	33.38	1.9	3.4	3.4	0.4	10.7	1.20	0.20	<0.02	9	3.85
1298558	Rock	1.65	1.72	13.31	46.93	208.7	78	8.9	3.1	89	2.80	11.9	0.7	0.7	3.9	24.2	0.07	0.34	0.07	8	0.21
1298559	Rock	1.33	0.62	22.31	35.99	32.0	628	6.7	3.3	89	2.12	15.4	0.2	1.3	0.9	4.0	0.08	3.99	0.03	3	0.02
1298560	Rock	1.65	0.94	9.80	35.66	596.6	155	2.3	1.3	849	1.41	6.3	0.9	<0.2	0.6	30.8	2.41	1.30	<0.02	8	11.31
613992	Rock	1.27	0.44	>10000	13.68	70.2	10065	22.7	13.7	2521	0.91	46.2	6.3	1.2	7.6	18.8	0.19	0.26	3.29	34	0.27
613993	Rock	0.78	2.56	24.62	20.24	66.8	<2	10.6	15.4	>10000	2.61	3.8	0.8	1.8	1.5	271.7	0.21	0.10	0.04	7	0.08
613994	Rock	1.20	21.22	>10000	228.9	230.0	11061	40.4	68.5	>10000	14.94	50.1	38.8	10.7	8.0	174.9	0.15	0.59	63.57	37	6.35
613995	Rock	2.02	0.46	12.07	259.9	1428	31	1.8	1.2	1946	13.46	4.1	0.9	0.8	0.5	39.1	2.45	0.02	0.05	<2	11.24
613996	Rock	1.57	1.21	6.05	6484	8328	60	0.9	0.8	1322	17.07	4.4	1.0	0.4	0.4	39.8	48.81	0.03	0.03	3	10.13
613997	Rock	1.26	7.84	9.83	>10000	>10000	586	3.7	0.8	695	>40	52.8	4.6	1.4	0.2	7.5	14.76	0.95	0.05	11	0.54
613998	Rock	1.24	2.65	5.15	592.1	2013	87	1.8	1.1	801	11.48	8.3	1.7	0.4	0.1	38.9	1.58	0.06	<0.02	3	13.29
613999	Rock	1.88	0.13	2.01	20.36	572.5	<2	1.8	0.4	793	0.29	1.1	0.2	0.7	0.2	94.3	2.39	<0.02	<0.02	<2	15.74
614000	Rock	1.17	5.17	10.66	277.1	8390	207	3.6	0.7	745	>40	5.3	2.4	1.6	0.2	<0.5	3.79	0.06	<0.02	9	0.34



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 12, 2012

Page: 2 of 2

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI12000251.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cu	Pb	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	0.02	
1298551	Rock	<0.001	<0.5	<0.5	1.99	8.5	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.2	0.36	7.62	403	1.4	<0.02	0.3	<0.001	>10
1298552	Rock	0.012	4.6	3.7	0.19	30.8	<0.001	4	0.14	0.016	0.06	<0.1	2.3	0.09	0.02	79	0.2	0.08	0.4		
1298553	Rock	0.042	2.8	7.9	0.20	60.7	<0.001	8	0.72	0.008	0.36	<0.1	5.2	0.39	0.08	53	<0.1	0.03	2.0		
1298554	Rock	0.047	3.1	1.8	9.03	42.2	<0.001	<1	0.04	0.008	0.01	<0.1	0.7	3.41	<0.02	61	<0.1	<0.02	0.3		
1298555	Rock	0.015	1.8	<0.5	10.23	4.0	<0.001	<1	0.02	0.009	0.01	<0.1	0.4	4.15	3.91	29	<0.1	<0.02	0.2		
1298556	Rock	0.034	1.7	<0.5	10.93	12.2	<0.001	3	0.03	0.012	<0.01	<0.1	0.4	0.34	<0.02	23	<0.1	<0.02	0.2		
1298557	Rock	0.038	1.4	1.9	1.91	11.7	<0.001	1	0.07	0.002	0.01	<0.1	1.4	3.73	0.03	625	<0.1	<0.02	0.2		
1298558	Rock	0.179	6.1	14.2	0.24	29.4	0.003	7	0.66	0.009	0.16	<0.1	3.2	0.11	0.11	166	0.2	0.03	1.9		
1298559	Rock	0.002	1.5	10.4	0.02	158.8	<0.001	3	0.14	0.004	0.09	<0.1	0.4	0.11	0.81	165	<0.1	<0.02	0.3		
1298560	Rock	0.009	1.0	3.1	7.22	10.0	<0.001	3	0.11	0.011	0.08	<0.1	1.4	0.20	0.73	183	<0.1	<0.02	0.4		
613992	Rock	0.102	4.0	13.6	0.58	701.1	0.002	4	1.36	0.020	0.29	<0.1	4.3	0.12	0.17	749	0.5	0.04	3.9	1.594	<0.02
613993	Rock	0.007	1.1	11.3	0.26	4439	0.003	2	0.51	0.010	0.09	<0.1	7.3	0.04	0.04	17	<0.1	<0.02	2.8		
613994	Rock	3.059	74.5	34.2	1.34	217.9	0.027	4	4.67	0.041	0.11	<0.1	16.0	0.09	0.49	507	1.0	0.04	14.3	1.498	0.03
613995	Rock	0.037	1.6	1.6	5.76	8.2	<0.001	<1	0.07	0.007	0.02	<0.1	0.5	7.56	8.71	380	<0.1	<0.02	0.2		
613996	Rock	0.033	1.7	1.2	4.26	5.1	<0.001	1	0.06	0.007	0.02	<0.1	0.5	7.22	6.41	385	0.2	<0.02	0.6		
613997	Rock	0.055	1.5	1.4	0.39	18.6	<0.001	3	0.04	0.002	<0.01	<0.1	1.1	4.49	0.20	2710	0.6	0.03	1.7	<0.001	5.76
613998	Rock	0.038	1.5	<0.5	4.44	3.3	<0.001	<1	0.03	0.005	0.01	<0.1	0.2	21.41	7.84	299	<0.1	<0.02	0.5		
613999	Rock	0.023	1.4	0.9	10.63	9.6	<0.001	2	0.04	0.010	0.02	<0.1	0.3	0.10	0.05	53	<0.1	<0.02	0.5		
614000	Rock	0.027	1.1	<0.5	0.32	17.6	<0.001	2	0.04	0.001	<0.01	<0.1	0.7	8.51	0.24	1729	<0.1	<0.02	1.7		



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650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Project: CAR
Report Date: August 12, 2012

Page: 2 of 2

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI12000251.1

Method	Analyte	7TD	7TD.1
		Zn	Pb
Unit		%	%
MDL		0.01	0.02
1298551	Rock	0.28	70.50
1298552	Rock		
1298553	Rock		
1298554	Rock		
1298555	Rock		
1298556	Rock		
1298557	Rock		
1298558	Rock		
1298559	Rock		
1298560	Rock		
613992	Rock	<0.01	
613993	Rock		
613994	Rock	0.03	
613995	Rock		
613996	Rock		
613997	Rock	1.36	
613998	Rock		
613999	Rock		
614000	Rock		



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Part: 1 of 3

QUALITY CONTROL REPORT

WHI12000251.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1298551	Rock	1.18	0.03	0.21	>10000	3674	44	<0.1	<0.1	134	0.15	<0.1	<0.1	0.5	<0.1	18.2	9.85	0.17	0.09	<2	3.18
REP 1298551	QC																				
REP 1298552	QC		0.91	11.30	161.1	7.6	131	32.2	8.0	352	2.76	9.7	1.7	1.2	1.7	1944	0.05	0.59	0.04	9	28.65
Core Reject Duplicates																					
1298552	Rock	1.65	0.82	11.66	181.3	6.8	134	28.7	8.2	360	2.87	9.8	1.8	1.5	1.8	2031	0.03	0.65	0.07	9	29.36
DUP 1298552	QC		0.81	11.14	184.1	6.4	131	27.9	8.1	370	2.69	9.0	1.8	1.0	1.8	1982	0.02	0.60	0.05	9	29.59
Reference Materials																					
STD CCU-1C	Standard																				
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD CZN-3	Standard																				
STD DS9	Standard		13.39	106.7	127.2	306.5	2005	42.5	7.6	603	2.36	26.6	2.9	119.4	6.9	77.8	2.34	6.09	6.31	43	0.75
STD PTC-1A	Standard																				
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					
BLK	Blank		<0.01	<0.01	0.04	0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.14	3.48	3.55	51.6	14	3.2	4.3	622	2.03	0.3	1.8	2.3	6.2	74.4	<0.01	0.03	0.19	39	0.54
G1-WHI	Prep Blank		0.16	3.99	4.42	45.9	2	3.0	4.2	601	2.04	0.2	1.6	1.8	5.8	81.2	0.01	<0.02	0.14	39	0.61



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650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Project: CAR
Report Date: August 12, 2012

Page: 1 of 1

Part: 2 of 3

QUALITY CONTROL REPORT

WHI12000251.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cu	Pb
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	0.02
Pulp Duplicates																					
1298551	Rock	<0.001	<0.5	<0.5	1.99	8.5	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.2	0.36	7.62	403	1.4	<0.02	0.3	<0.001	>10
REP 1298551	QC																				
REP 1298552	QC	0.012	4.4	3.6	0.18	28.8	<0.001	4	0.13	0.015	0.06	<0.1	2.0	0.07	0.04	66	0.7	0.11	0.3		
Core Reject Duplicates																					
1298552	Rock	0.012	4.6	3.7	0.19	30.8	<0.001	4	0.14	0.016	0.06	<0.1	2.3	0.09	0.02	79	0.2	0.08	0.4		
DUP 1298552	QC	0.013	4.5	3.6	0.19	28.7	<0.001	4	0.13	0.015	0.06	<0.1	2.3	0.07	0.03	56	<0.1	<0.02	0.3		
Reference Materials																					
STD CCU-1C	Standard																				
STD CDN-ME-9	Standard																			0.679	<0.02
STD CDN-ME-14	Standard																			1.316	0.51
STD CZN-3	Standard																				
STD DS9	Standard	0.086	13.7	120.6	0.63	299.1	0.117	2	1.00	0.089	0.41	3.0	2.6	5.46	0.17	207	5.0	5.36	4.4		
STD PTC-1A	Standard																				
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59		
STD CDN-ME-9 Expected																				0.654	
STD CDN-ME-14 Expected																				1.221	0.495
STD CZN-3 Expected																					
STD CCU-1C Expected																					
STD PTC-1A Expected																					
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																			<0.001	<0.02
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank	0.081	15.3	8.5	0.51	170.7	0.130	3	0.98	0.105	0.52	<0.1	2.7	0.32	<0.02	<5	<0.1	<0.02	5.1		
G1-WHI	Prep Blank	0.081	14.1	8.2	0.53	166.6	0.134	2	1.02	0.109	0.53	0.1	2.7	0.32	<0.02	<5	<0.1	<0.02	4.9		



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Project: CAR
Report Date: August 12, 2012

Page: 1 of 1

Part: 3 of 3

QUALITY CONTROL REPORT

WHI12000251.1

Method	7TD	7TD.1
Analyte	Zn	Pb
Unit	%	%
MDL	0.01	0.02
Pulp Duplicates		
1298551	Rock	0.28 70.50
REP 1298551	QC	69.12
REP 1298552	QC	
Core Reject Duplicates		
1298552	Rock	
DUP 1298552	QC	
Reference Materials		
STD CCU-1C	Standard	0.38
STD CDN-ME-9	Standard	0.01
STD CDN-ME-14	Standard	3.35
STD CZN-3	Standard	0.14
STD DS9	Standard	
STD PTC-1A	Standard	0.06
STD DS9 Expected		
STD CDN-ME-9 Expected	0.0125	
STD CDN-ME-14 Expected	3.1	
STD CZN-3 Expected		0.113
STD CCU-1C Expected		0.34
STD PTC-1A Expected		0.05
BLK	Blank	
BLK	Blank	<0.01
BLK	Blank	<0.02
Prep Wash		
G1-WHI	Prep Blank	
G1-WHI	Prep Blank	



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 09, 2012
Report Date: August 13, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI12000252.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-2
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

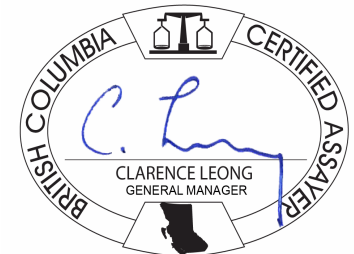
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	320	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	320	Saving all or part of Soil Reject			WHI
7TD	4	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000252.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298513	Soil			0.69	5.85	3223	>10000	1024	4.9	3.7	1720	4.42	5.9	1.5	1.6	0.5	46.5	18.91	0.22	0.06	9	11.06	0.108
1298514	Soil			1.26	22.45	245.5	1957	81	23.4	13.9	1319	3.73	11.7	0.7	0.3	2.5	38.0	1.67	0.28	0.22	14	8.62	0.059
1298515	Soil			3.87	4.91	1201	3318	163	4.0	3.0	2403	6.79	15.4	2.0	0.8	0.4	89.6	7.47	0.09	0.03	4	11.95	0.099
1298516	Soil			1.19	3.45	4841	7524	700	1.2	1.9	1379	6.74	9.9	1.3	0.4	0.2	54.8	16.54	0.52	<0.02	4	15.80	0.034
1298517	Soil			1.34	25.06	19.47	154.0	461	25.5	9.2	259	2.36	11.8	3.3	7.5	2.2	55.8	0.49	0.42	0.15	26	1.96	0.084
1298518	Soil			0.66	22.84	39.19	156.5	48	18.4	11.0	997	2.32	6.3	0.7	0.7	2.6	36.6	0.35	0.31	0.20	17	9.27	0.065
1298519	Soil			7.03	18.43	1235	>10000	269	6.6	2.3	3590	37.83	11.8	3.6	0.3	0.7	10.1	10.27	0.16	0.02	14	3.55	0.096
1298520	Soil			0.58	7.05	1268	>10000	736	4.5	3.7	2767	15.93	5.8	1.4	0.5	1.5	38.5	47.97	0.14	0.06	13	10.40	0.058
1298521	Soil			1.36	4.58	265.5	4910	172	5.4	3.4	3461	7.42	4.6	2.4	0.5	0.6	44.9	14.37	0.16	0.03	16	14.43	0.099
1298522	Soil			0.85	42.26	119.6	304.2	71	32.1	15.1	1271	3.62	7.2	0.6	1.6	4.8	18.1	0.62	0.45	0.32	30	1.77	0.041
1298523	Soil			1.02	31.42	396.3	906.9	81	26.8	12.9	1450	4.31	8.8	0.8	0.8	4.2	31.3	1.94	0.41	0.25	24	5.57	0.054
1298524	Soil			0.94	31.27	164.7	554.8	87	26.4	12.4	1152	3.55	7.7	0.8	1.8	3.6	25.6	1.03	0.42	0.22	29	4.00	0.065
1298525	Soil			1.12	15.04	289.4	1196	80	15.9	7.8	1099	3.27	8.6	0.9	0.9	2.6	42.2	2.00	0.28	0.15	15	10.40	0.057
1298526	Soil			0.93	5.86	820.3	1592	78	9.2	4.9	1785	2.24	6.6	0.8	0.5	0.9	36.8	3.42	0.23	0.11	21	10.11	0.089
1298527	Soil			1.11	22.97	71.64	449.0	214	35.1	13.8	1013	3.57	10.1	0.8	1.8	4.6	27.6	0.60	0.55	0.22	36	2.78	0.050
1298528	Soil			0.79	15.60	125.4	661.9	133	23.7	10.4	695	3.04	7.4	0.6	2.0	2.8	30.8	1.42	0.45	0.18	28	5.16	0.056
1298529	Soil			0.71	5.61	184.0	1658	139	10.0	4.3	1991	2.76	6.2	0.9	0.9	0.7	39.2	2.95	0.26	0.08	21	11.78	0.106
1298530	Soil			1.25	9.60	143.0	1991	79	18.2	7.4	2409	3.66	10.2	1.3	0.7	1.3	22.9	3.59	0.44	0.16	38	5.89	0.108
1298531	Soil			0.97	20.37	51.55	468.7	199	30.8	11.9	1397	4.30	10.8	1.3	2.5	5.3	40.4	0.91	0.61	0.21	42	1.70	0.098
1298532	Soil			0.64	8.22	72.43	642.3	123	15.2	6.9	2141	2.26	6.0	1.4	1.4	2.0	52.4	0.98	0.30	0.10	20	9.48	0.094
1298533	Soil			0.21	6.22	29.29	47.4	54	8.1	3.7	668	1.16	3.3	1.2	0.4	2.3	60.2	0.06	0.08	0.05	9	15.50	0.056
1298534	Soil			0.68	12.38	27.96	153.9	116	14.6	6.7	655	2.05	5.8	1.3	0.9	1.4	29.7	0.35	0.35	0.12	21	6.76	0.088
1298535	Soil			0.45	8.39	129.3	175.7	91	10.7	4.1	4975	5.75	5.5	1.5	0.7	1.4	70.2	0.22	0.11	0.04	10	15.23	0.066
1298536	Soil			0.97	23.26	22.28	100.0	118	31.8	11.7	830	3.78	9.1	1.2	1.1	3.1	29.5	0.20	0.50	0.24	39	0.59	0.064
1298537	Soil			0.95	29.74	30.71	118.5	192	36.8	14.1	749	4.17	7.4	0.9	1.2	4.8	20.8	0.30	0.41	0.32	24	0.34	0.054
1298538	Soil			1.16	62.84	23.09	196.8	178	84.8	34.9	2132	3.82	10.9	2.8	2.1	5.5	33.5	0.72	0.66	0.24	38	1.59	0.078
1298539	Soil			1.09	24.43	17.17	106.0	175	46.0	13.6	768	3.23	9.5	1.5	2.4	3.1	23.1	0.18	0.64	0.22	41	0.32	0.068
1298540	Soil			0.84	54.48	81.06	117.7	412	81.9	29.1	1257	7.52	21.2	0.8	0.8	6.9	18.2	0.17	0.84	0.57	13	0.25	0.027
1298541	Soil			1.96	27.76	118.0	583.1	319	44.6	13.4	671	5.13	26.8	1.6	1.4	4.0	152.2	0.95	0.71	0.25	23	4.99	0.145
1298542	Soil			0.61	15.32	17.52	84.3	99	22.4	8.3	427	2.36	5.5	1.0	0.8	3.6	89.1	0.28	0.35	0.27	31	1.38	0.047

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Project: CAR
 Report Date: August 13, 2012

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CERTIFICATE OF ANALYSIS

WHI12000252.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1	0.01
1298513	Soil	4.0	5.5	5.72	25.9	0.003	3	0.36	0.006	0.04	<0.1	1.1	1.99	0.20	1487	0.7	<0.02	2.0	1.23
1298514	Soil	4.5	9.5	4.57	45.9	0.002	5	0.64	0.005	0.12	<0.1	5.0	1.28	0.08	129	0.4	0.03	1.7	
1298515	Soil	3.7	2.4	6.11	28.0	0.001	2	0.11	0.005	0.02	<0.1	0.7	16.77	0.08	313	0.6	0.03	0.5	
1298516	Soil	1.5	1.5	8.16	16.3	0.001	2	0.08	0.005	0.02	<0.1	0.7	4.65	0.26	746	0.7	<0.02	0.9	
1298517	Soil	17.3	20.1	1.20	92.5	0.006	12	0.89	0.004	0.16	<0.1	4.5	0.51	0.05	199	1.1	<0.02	3.0	
1298518	Soil	5.0	12.1	4.97	84.5	0.004	5	0.69	0.008	0.14	<0.1	4.3	0.43	0.04	40	0.4	<0.02	2.1	
1298519	Soil	5.1	2.9	1.81	84.1	0.002	2	0.15	0.004	0.02	<0.1	1.2	43.46	0.10	3054	0.8	0.04	2.7	1.48
1298520	Soil	7.2	5.6	5.31	131.6	0.002	3	0.28	0.008	0.04	<0.1	2.5	16.17	0.09	4350	0.9	<0.02	2.9	1.50
1298521	Soil	7.3	7.0	7.27	54.0	0.002	1	0.48	0.006	0.02	<0.1	2.1	1.70	0.06	972	0.7	<0.02	2.0	
1298522	Soil	6.1	24.8	1.31	186.1	0.006	4	1.37	0.007	0.20	0.1	5.9	0.34	<0.02	77	0.1	0.05	4.4	
1298523	Soil	5.5	19.1	3.14	211.4	0.006	5	1.08	0.007	0.21	0.1	5.6	0.80	<0.02	146	0.3	0.04	3.4	
1298524	Soil	7.8	19.7	2.40	353.4	0.007	4	1.24	0.007	0.15	0.1	5.0	0.36	<0.02	94	0.3	0.04	3.7	
1298525	Soil	5.2	9.4	5.55	196.1	0.005	5	0.63	0.007	0.11	<0.1	3.5	0.98	<0.02	139	0.4	0.02	1.8	
1298526	Soil	5.3	12.8	5.35	488.6	0.007	3	0.88	0.005	0.04	<0.1	1.8	0.27	0.04	549	0.5	0.03	2.4	
1298527	Soil	13.8	26.4	1.87	199.0	0.007	4	1.64	0.006	0.11	0.1	6.1	0.23	<0.02	134	0.4	0.04	4.5	
1298528	Soil	8.5	17.6	3.03	83.4	0.006	3	1.23	0.005	0.08	<0.1	3.8	0.17	<0.02	170	0.4	0.03	3.2	
1298529	Soil	9.3	13.9	6.20	66.7	0.007	2	1.09	0.005	0.03	0.1	2.2	0.25	0.03	612	0.5	<0.02	2.2	
1298530	Soil	8.1	24.1	3.31	106.0	0.010	3	1.83	0.003	0.06	0.1	3.4	0.24	0.04	512	0.5	0.04	4.5	
1298531	Soil	16.1	24.4	1.12	219.0	0.010	3	1.55	0.006	0.09	0.1	8.5	0.27	<0.02	103	0.6	0.04	3.6	
1298532	Soil	9.3	12.4	5.07	94.6	0.009	2	0.85	0.008	0.05	<0.1	2.8	0.27	<0.02	64	0.5	0.03	1.9	
1298533	Soil	5.2	6.9	8.02	40.8	<0.001	2	0.32	0.007	0.06	<0.1	2.7	0.15	<0.02	76	0.4	<0.02	0.8	
1298534	Soil	6.9	13.3	3.71	86.6	0.006	3	0.98	0.007	0.06	<0.1	2.6	0.16	0.03	46	0.4	<0.02	2.3	
1298535	Soil	6.1	7.0	7.73	102.1	0.002	2	0.40	0.008	0.04	<0.1	2.5	1.90	0.03	56	0.6	<0.02	1.0	
1298536	Soil	9.7	24.9	0.52	258.1	0.003	3	1.96	0.002	0.14	<0.1	4.8	0.18	0.03	128	0.6	0.03	5.3	
1298537	Soil	8.5	15.7	0.35	119.5	0.003	3	1.21	0.002	0.13	<0.1	5.8	0.25	0.03	68	0.5	0.04	3.6	
1298538	Soil	13.5	26.6	1.21	227.3	0.007	4	2.52	0.004	0.14	<0.1	8.7	0.18	0.02	155	0.6	0.05	4.7	
1298539	Soil	13.8	26.3	0.52	158.7	0.010	2	1.85	0.004	0.11	0.1	5.1	0.18	<0.02	89	0.6	0.04	4.7	
1298540	Soil	9.4	10.9	0.16	63.1	<0.001	3	0.79	0.001	0.09	<0.1	8.6	0.13	0.03	97	0.7	0.10	2.0	
1298541	Soil	9.8	14.6	1.42	74.5	0.002	4	0.76	0.005	0.11	<0.1	4.9	0.20	0.03	102	0.9	0.04	2.1	
1298542	Soil	11.1	21.2	0.33	81.6	0.006	3	1.17	0.002	0.07	<0.1	4.4	0.12	0.03	35	0.4	0.05	3.6	

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Project: CAR
 Report Date: August 13, 2012

Page: 3 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298543	Soil			1.01	35.69	24.38	111.0	101	41.7	16.5	892	4.08	10.6	0.9	2.1	5.8	30.6	0.16	0.69	0.27	39	0.33	0.051
1298544	Soil			0.88	14.17	13.72	48.7	181	17.1	7.3	381	1.87	5.7	4.4	1.7	0.6	69.1	0.41	0.33	0.12	20	2.00	0.090
1298545	Soil			0.72	23.34	12.73	68.9	96	25.7	10.7	402	2.64	6.2	2.3	3.7	2.7	46.9	0.18	0.30	0.14	35	1.28	0.055
1298546	Soil			0.48	28.26	16.82	77.8	55	30.8	11.9	430	2.90	8.2	1.3	6.2	4.3	31.9	0.17	0.32	0.16	50	0.71	0.040
1298547	Soil			0.46	26.89	11.99	69.3	74	28.8	10.0	338	2.84	6.9	2.1	6.8	4.4	29.0	0.18	0.30	0.18	47	0.66	0.032
1298548	Soil			0.61	16.69	14.31	73.1	44	26.5	9.6	402	2.88	4.4	1.7	2.7	4.1	33.2	0.20	0.35	0.20	40	0.75	0.042
1298549	Soil			0.42	37.54	33.76	90.6	39	38.3	15.2	753	3.45	12.5	2.0	3.9	8.8	28.3	0.18	0.50	0.53	21	0.64	0.037
1298550	Soil			0.84	35.74	32.09	132.5	97	31.9	13.4	561	3.09	8.7	0.9	3.8	4.8	100.0	0.33	0.51	0.30	23	3.88	0.069
1300048	Soil			0.75	18.70	17.02	105.9	44	19.8	21.0	2099	4.35	5.7	0.7	2.9	4.1	5.0	0.16	0.41	0.49	36	0.02	0.050
1300049	Soil			0.96	20.92	19.99	76.5	30	13.7	11.7	943	3.72	4.9	0.9	2.4	3.5	5.4	0.15	0.52	0.47	32	0.03	0.042
1300050	Soil			1.25	18.55	51.87	109.9	43	14.6	11.4	934	4.81	9.2	0.7	1.1	3.8	6.0	0.14	0.38	0.54	37	0.02	0.044
1300051	Soil			0.76	14.64	73.08	106.0	33	19.9	11.1	703	3.26	5.2	0.6	1.4	4.3	5.6	0.08	0.39	0.33	29	0.03	0.026
1300052	Soil			0.66	8.00	19.17	55.0	9	7.6	6.6	263	2.66	3.2	0.5	0.6	3.7	4.8	0.15	0.38	0.40	25	0.02	0.018
1300053	Soil			0.74	3.82	30.33	324.3	30	5.8	2.4	980	1.23	5.2	1.9	1.0	0.7	45.6	0.86	0.19	0.05	18	8.62	0.529
1300054	Soil			1.91	6.69	91.11	213.5	18	11.9	9.8	779	3.79	9.6	0.7	1.9	4.0	10.2	0.44	0.85	0.35	80	0.22	0.026
1300055	Soil			0.93	3.84	317.1	3335	61	4.2	2.0	3333	9.82	6.2	2.1	1.0	1.5	56.3	10.45	0.04	<0.02	<2	13.55	0.091
1300056	Soil			1.36	4.00	412.8	3793	67	4.3	1.8	2976	7.93	5.3	2.2	1.4	0.8	61.0	14.09	0.11	<0.02	<2	12.50	0.089
1300057	Soil			1.26	5.28	441.1	3312	80	5.9	2.9	2916	4.45	6.6	2.6	1.0	0.6	48.3	14.51	0.22	0.02	7	10.60	0.114
1300058	Soil			1.39	9.81	170.1	888.4	98	13.4	5.7	1567	3.10	7.9	1.6	1.8	1.7	49.2	1.87	0.46	0.08	17	9.42	0.067
1300059	Soil			2.50	3.90	216.7	1964	59	3.2	2.5	1821	3.06	10.0	2.3	0.7	0.4	53.2	2.98	0.10	0.07	5	18.33	0.082
1300060	Soil			1.39	8.50	106.5	1509	116	8.2	2.7	1444	2.44	8.4	2.5	0.9	1.4	64.2	2.74	0.13	0.07	4	11.41	0.074
1300061	Soil			0.65	23.31	125.6	334.1	82	20.8	9.8	699	2.43	5.6	1.4	2.9	3.1	42.4	0.79	0.39	0.22	18	5.05	0.073
1300062	Soil			0.91	31.16	30.04	115.9	255	27.1	12.3	467	2.83	9.6	13.0	4.9	1.6	64.4	0.20	0.69	0.23	30	1.08	0.079
1300063	Soil			1.21	24.12	28.84	94.2	213	22.9	9.3	409	2.28	10.6	10.6	2.9	0.9	132.4	0.39	0.51	0.15	30	2.67	0.076
1300064	Soil			0.84	23.90	17.43	81.3	227	23.6	10.7	438	2.52	10.2	8.4	3.5	2.2	128.6	0.27	0.42	0.17	49	1.29	0.066
1300065	Soil			0.83	25.41	14.45	79.9	278	23.7	10.0	477	2.57	9.0	8.3	3.3	0.8	199.4	0.46	0.41	0.17	67	2.20	0.096
1300066	Soil			0.87	14.74	16.56	67.8	121	21.4	10.7	303	2.64	7.5	3.3	2.0	3.8	91.2	0.17	0.40	0.17	50	0.75	0.050
1300067	Soil			0.92	24.55	21.74	85.7	205	26.3	10.3	334	3.12	13.5	7.8	3.1	3.1	82.7	0.37	0.67	0.23	42	0.79	0.053
1300068	Soil			0.81	21.28	22.32	133.6	25	31.6	13.2	335	3.89	10.2	1.0	1.1	6.1	15.8	0.22	0.63	0.25	53	0.20	0.032
1300069	Soil			0.78	33.83	17.13	123.7	115	22.5	11.5	634	2.45	5.7	9.6	4.1	1.5	74.6	0.96	0.43	0.20	38	1.61	0.101



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CERTIFICATE OF ANALYSIS

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1298543	Soil	15.2	28.1	0.59	271.1	0.002	4	2.20	0.003	0.20	<0.1	6.1	0.18	<0.02	110	0.3	0.07	5.6	
1298544	Soil	16.6	16.1	0.63	87.5	0.004	6	0.91	0.002	0.12	<0.1	2.0	0.11	0.09	77	0.8	<0.02	2.8	
1298545	Soil	23.7	31.5	1.50	114.9	0.006	8	1.89	0.001	0.23	<0.1	5.4	0.19	0.05	36	0.4	<0.02	5.9	
1298546	Soil	30.3	53.3	2.33	95.8	0.007	7	2.43	<0.001	0.20	<0.1	6.9	0.21	0.03	34	0.5	<0.02	8.5	
1298547	Soil	25.1	41.0	1.49	138.8	0.009	5	2.10	0.003	0.14	<0.1	6.2	0.17	0.03	52	0.6	0.03	6.7	
1298548	Soil	23.2	36.6	1.16	476.5	0.007	4	2.23	0.002	0.13	<0.1	7.6	0.16	0.03	42	0.6	0.02	6.7	
1298549	Soil	19.5	36.3	0.84	110.1	0.002	2	2.02	0.003	0.07	<0.1	10.7	0.11	<0.02	28	0.7	0.04	5.0	
1298550	Soil	8.7	21.9	1.22	118.2	0.004	3	1.42	0.006	0.12	<0.1	5.0	0.13	<0.02	69	0.4	0.03	3.6	
1300048	Soil	5.3	32.1	0.35	113.0	0.004	1	2.14	0.006	0.12	<0.1	4.4	0.15	<0.02	40	0.1	0.04	9.5	
1300049	Soil	5.5	27.2	0.20	105.0	0.006	2	1.56	0.009	0.11	0.1	3.5	0.15	<0.02	30	0.4	<0.02	7.5	
1300050	Soil	6.5	30.2	0.24	75.2	0.003	<1	1.98	0.003	0.12	<0.1	3.5	0.13	<0.02	17	0.2	<0.02	9.7	
1300051	Soil	5.9	30.2	0.31	62.5	0.005	4	1.74	0.002	0.12	<0.1	2.9	0.18	<0.02	22	<0.1	0.02	5.9	
1300052	Soil	6.4	13.1	0.12	77.8	0.007	3	1.05	0.002	0.20	<0.1	2.7	0.22	<0.02	18	<0.1	0.03	4.7	
1300053	Soil	8.0	9.4	4.43	70.3	0.009	2	0.79	0.008	0.04	<0.1	1.1	0.15	<0.02	68	<0.1	<0.02	1.5	
1300054	Soil	15.2	27.2	0.28	166.0	0.027	<1	2.08	0.002	0.04	0.2	2.6	0.98	<0.02	17	0.1	0.07	8.4	
1300055	Soil	3.2	3.8	7.84	23.6	<0.001	2	0.13	0.008	0.05	<0.1	1.0	8.87	0.20	560	0.1	0.04	0.5	
1300056	Soil	4.5	3.1	7.08	16.0	0.001	2	0.12	0.008	0.04	<0.1	0.8	13.09	0.10	298	0.3	0.03	0.6	
1300057	Soil	5.5	5.8	5.94	40.7	0.003	2	0.31	0.008	0.04	<0.1	1.0	2.67	0.03	190	0.1	<0.02	0.9	
1300058	Soil	7.8	10.5	5.34	65.3	0.009	1	0.71	0.009	0.06	<0.1	1.9	0.82	<0.02	71	0.2	0.05	1.7	
1300059	Soil	2.4	3.5	9.44	18.9	0.002	3	0.13	0.009	0.02	<0.1	0.8	1.57	0.05	96	0.6	0.05	0.5	
1300060	Soil	5.1	4.8	6.29	21.6	0.001	3	0.19	0.008	0.06	<0.1	1.4	0.91	0.03	98	0.1	0.03	0.6	
1300061	Soil	8.1	16.4	3.11	113.2	0.006	3	1.08	0.007	0.14	<0.1	3.7	0.26	0.04	64	0.4	<0.02	2.8	
1300062	Soil	21.8	23.1	0.57	156.0	0.004	4	1.34	0.004	0.12	<0.1	3.9	0.22	0.05	147	1.1	0.05	3.7	
1300063	Soil	15.9	22.0	0.52	106.5	0.004	6	1.15	0.004	0.10	<0.1	2.1	0.21	0.09	141	0.9	0.03	3.2	
1300064	Soil	26.1	39.8	1.81	121.7	0.012	5	2.07	0.003	0.17	<0.1	4.8	0.20	0.05	202	1.0	0.04	6.4	
1300065	Soil	23.9	40.3	0.24	106.0	0.006	4	1.14	0.003	0.06	<0.1	2.8	0.18	0.07	105	0.9	0.04	3.1	
1300066	Soil	23.4	43.0	1.56	145.1	0.008	4	2.27	0.002	0.12	<0.1	5.6	0.23	0.03	69	0.6	<0.02	7.2	
1300067	Soil	21.0	29.3	0.58	130.4	0.003	3	1.67	0.003	0.13	<0.1	5.1	0.15	0.03	106	0.7	0.03	4.8	
1300068	Soil	19.2	49.8	1.63	129.6	0.005	5	2.85	0.002	0.15	<0.1	3.3	0.17	<0.02	22	0.2	<0.02	8.3	
1300069	Soil	19.3	30.4	0.75	152.2	0.008	4	1.58	0.006	0.11	<0.1	4.0	0.13	0.08	82	0.9	0.03	5.1	

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300070	Soil			0.97	30.28	21.92	108.7	87	24.5	11.0	504	3.19	9.1	3.6	3.4	2.4	43.9	0.25	0.62	0.25	44	0.74	0.087
1300071	Soil			0.50	32.61	13.73	140.2	67	23.6	10.3	514	2.47	1.9	3.8	1.2	3.0	51.0	0.92	0.30	0.17	36	1.06	0.075
1300072	Soil			0.66	35.61	33.42	166.8	145	30.8	13.7	518	3.11	8.4	2.8	2.0	3.5	47.6	0.44	0.64	0.23	27	1.47	0.073
1300073	Soil			0.71	29.03	25.84	118.5	147	24.4	11.4	534	2.65	6.9	2.7	3.2	3.0	74.9	0.27	0.57	0.21	21	2.81	0.067
1300074	Soil			0.75	31.71	26.66	128.8	174	25.7	12.3	326	2.98	7.6	2.4	2.9	4.2	55.6	0.27	0.54	0.25	25	1.46	0.071
1300075	Soil			0.76	28.73	22.54	127.2	156	24.4	10.7	322	2.73	7.2	3.6	2.5	2.8	65.9	0.29	0.57	0.22	22	1.75	0.074
1300076	Soil			1.02	22.28	24.51	128.6	299	22.0	11.3	393	2.65	8.9	5.1	2.8	2.3	71.0	0.17	0.49	0.24	26	1.32	0.079
1300077	Soil			1.13	28.24	27.07	100.5	182	27.7	12.6	433	2.85	9.8	2.0	1.2	3.9	40.0	0.13	0.68	0.30	18	0.76	0.070
1300078	Soil			0.87	30.32	25.28	92.5	198	30.2	12.4	292	3.10	9.9	2.3	5.2	3.4	44.2	0.19	0.75	0.38	27	0.78	0.063
1300079	Soil			1.16	28.02	25.10	200.7	147	24.7	13.3	479	2.79	14.3	7.3	3.4	2.0	74.5	0.70	0.63	0.27	28	1.55	0.098
1300080	Soil			1.42	26.48	23.73	108.9	249	28.3	14.9	657	2.88	14.7	6.1	3.1	2.1	51.6	0.43	0.78	0.26	37	0.87	0.098
1300081	Soil			1.28	22.22	22.88	63.6	503	25.8	10.1	345	2.29	12.4	3.4	5.6	2.3	60.6	0.29	0.68	0.20	32	1.38	0.074
1300082	Soil			0.46	10.89	6.98	55.8	69	19.9	5.6	87	2.15	1.5	0.8	1.5	2.1	18.3	0.05	0.21	0.18	36	0.46	0.128
1300083	Soil			0.70	24.55	12.90	77.5	136	25.7	11.8	611	2.63	8.1	1.3	5.2	1.7	42.4	0.25	0.46	0.17	30	1.45	0.072
1300084	Soil			0.42	34.04	11.38	93.2	170	29.4	9.9	410	2.50	8.1	2.2	6.8	1.3	42.6	0.38	0.33	0.18	35	1.28	0.076
1300085	Soil			1.68	37.08	17.17	109.9	365	33.9	12.6	342	2.67	15.3	5.3	12.8	2.2	74.5	0.26	0.54	0.20	32	2.42	0.088
1300086	Soil			0.75	25.25	12.50	66.3	145	28.6	10.9	219	2.28	7.7	3.9	3.9	2.9	77.7	0.11	0.31	0.15	25	2.67	0.066
1300087	Soil			1.63	19.02	20.57	61.7	454	20.4	8.0	381	1.91	10.2	3.2	4.3	0.4	106.3	0.30	0.39	0.13	17	2.06	0.077
1300088	Soil			1.59	22.66	26.34	89.5	502	28.6	12.8	338	3.10	14.4	3.4	4.5	1.1	115.8	0.30	0.41	0.13	16	2.53	0.085
1300089	Soil			1.27	18.90	13.64	81.4	384	21.8	8.6	231	1.65	10.0	3.8	4.3	2.4	339.0	0.22	0.30	0.11	14	7.11	0.079
1300090	Soil			2.20	18.99	12.89	53.5	589	19.8	9.1	249	1.53	20.7	2.6	5.9	4.4	192.3	0.11	0.55	0.11	10	6.69	0.057
1300091	Soil			1.92	19.30	17.12	77.3	530	19.7	8.5	293	1.61	15.3	5.8	7.0	3.0	221.0	0.24	0.41	0.12	12	6.50	0.079
1300092	Soil			0.88	40.23	19.28	92.4	188	32.0	12.6	235	3.64	10.2	2.7	0.8	3.5	48.8	0.12	0.38	0.38	12	0.72	0.072
1300093	Soil			0.50	22.46	16.98	47.0	169	21.7	9.5	238	2.52	6.4	2.0	0.5	3.0	57.5	0.05	0.33	0.26	14	1.23	0.107
1300094	Soil			0.57	19.51	19.33	89.9	169	19.0	7.3	172	2.27	6.7	2.4	0.7	2.7	56.5	0.13	0.27	0.26	11	1.24	0.078
1300095	Soil			0.58	19.19	15.80	56.8	95	16.8	7.2	214	2.48	6.4	1.5	0.9	2.4	43.4	0.08	0.28	0.23	19	0.99	0.051
1300096	Soil			0.61	22.88	17.13	91.0	136	22.3	8.8	459	2.57	7.0	1.6	0.9	2.7	61.2	0.25	0.36	0.22	18	1.47	0.080
1300097	Soil			0.70	26.84	18.80	119.5	141	26.3	11.6	625	3.11	8.6	1.3	1.3	2.6	42.8	0.25	0.45	0.23	24	0.92	0.077
1300098	Soil			0.57	23.64	18.01	96.0	148	21.2	9.7	594	2.70	7.2	1.7	1.2	2.3	45.3	0.18	0.36	0.24	20	0.98	0.064
1300099	Soil			0.63	30.25	13.24	78.6	123	26.1	10.2	546	2.84	7.7	3.4	4.0	1.1	49.8	0.27	0.42	0.19	37	1.16	0.111

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1300070	Soil	18.6	27.5	0.52	219.6	0.006	3	1.84	0.004	0.12	<0.1	4.3	0.14	0.05	59	0.6	0.02	5.5
1300071	Soil	26.1	41.1	1.04	137.7	0.005	4	1.78	0.004	0.12	<0.1	5.1	0.12	0.05	32	1.3	0.04	5.9
1300072	Soil	11.6	21.4	0.81	125.7	0.004	7	1.43	0.006	0.18	<0.1	4.7	0.17	0.05	117	1.0	0.02	4.1
1300073	Soil	10.6	18.9	1.22	126.4	0.003	6	1.21	0.005	0.13	<0.1	4.2	0.13	0.06	85	1.2	0.05	3.2
1300074	Soil	13.4	23.0	0.83	136.7	0.003	6	1.36	0.004	0.15	<0.1	5.1	0.17	0.05	132	1.2	0.03	4.1
1300075	Soil	11.8	19.4	0.82	128.3	0.003	6	1.17	0.004	0.15	<0.1	4.1	0.14	0.05	98	1.8	0.05	3.3
1300076	Soil	13.8	19.5	0.40	181.5	0.003	6	1.32	0.004	0.13	<0.1	4.1	0.28	0.07	126	1.2	0.05	3.6
1300077	Soil	7.7	15.3	0.32	98.3	0.002	6	0.96	0.003	0.13	<0.1	4.4	0.13	0.03	43	0.5	0.05	2.8
1300078	Soil	12.8	23.2	0.51	127.4	0.004	6	1.37	0.003	0.13	<0.1	4.7	0.13	0.03	95	0.6	0.05	4.1
1300079	Soil	12.2	21.1	0.38	235.5	0.004	8	1.36	0.004	0.13	<0.1	3.8	0.20	0.08	93	1.2	0.06	3.9
1300080	Soil	17.3	25.1	0.45	212.8	0.008	4	1.52	0.005	0.12	<0.1	4.3	0.20	0.05	118	0.9	0.03	4.1
1300081	Soil	27.0	22.7	0.50	146.5	0.013	2	1.05	0.006	0.09	0.2	4.3	0.17	0.05	150	1.0	<0.02	3.3
1300082	Soil	16.7	34.3	1.23	223.2	0.005	3	2.20	<0.001	0.09	<0.1	3.2	0.17	0.08	33	0.4	<0.02	7.0
1300083	Soil	24.3	28.0	1.40	83.3	0.005	6	1.46	0.002	0.10	<0.1	4.3	0.16	0.07	77	0.8	0.02	4.8
1300084	Soil	30.1	33.1	1.46	83.9	0.004	8	1.65	0.001	0.10	<0.1	3.3	0.17	0.08	62	0.7	0.03	6.0
1300085	Soil	18.3	28.6	1.47	137.4	0.005	12	1.09	0.007	0.15	<0.1	5.2	0.51	0.06	184	1.6	0.02	4.0
1300086	Soil	19.0	25.3	1.20	52.8	0.005	11	1.08	0.004	0.21	<0.1	4.5	0.32	0.05	67	1.0	0.02	4.1
1300087	Soil	17.0	11.7	0.33	64.9	0.003	7	0.56	0.003	0.08	<0.1	1.5	0.24	0.10	170	1.0	<0.02	1.6
1300088	Soil	24.1	10.9	0.62	73.9	0.003	9	0.55	0.005	0.14	<0.1	3.3	0.65	0.10	183	1.3	<0.02	1.6
1300089	Soil	14.5	10.4	1.26	72.3	0.002	9	0.54	0.005	0.19	<0.1	3.4	0.35	0.05	103	0.9	0.02	1.6
1300090	Soil	10.6	6.7	3.46	95.5	<0.001	6	0.28	0.007	0.12	<0.1	4.0	0.57	0.08	90	1.2	<0.02	0.8
1300091	Soil	12.2	7.7	2.66	43.9	0.002	7	0.34	0.008	0.12	<0.1	4.3	0.46	0.06	176	1.2	<0.02	0.9
1300092	Soil	4.7	7.2	0.13	74.1	<0.001	7	0.54	0.003	0.16	<0.1	6.3	0.15	0.04	52	0.7	0.06	1.4
1300093	Soil	5.1	9.0	0.16	74.6	<0.001	6	0.48	0.003	0.13	<0.1	4.6	0.10	0.05	43	0.4	0.05	1.3
1300094	Soil	5.3	7.8	0.11	67.5	<0.001	6	0.49	0.002	0.11	<0.1	4.5	0.14	0.06	53	0.6	0.04	1.4
1300095	Soil	5.7	12.2	0.24	93.0	<0.001	4	0.91	0.002	0.11	<0.1	3.8	0.12	0.04	57	0.3	0.04	2.7
1300096	Soil	7.5	12.9	0.35	90.5	0.001	6	0.83	0.003	0.13	<0.1	3.9	0.12	0.06	67	0.5	0.04	2.6
1300097	Soil	8.5	17.4	0.42	105.4	0.002	5	1.21	0.002	0.14	<0.1	4.3	0.13	0.05	90	0.4	0.04	3.5
1300098	Soil	7.2	14.1	0.32	104.1	0.001	4	0.98	0.002	0.11	<0.1	3.9	0.12	0.05	72	0.5	0.04	2.9
1300099	Soil	18.8	30.2	1.17	155.8	0.004	4	1.87	0.003	0.10	<0.1	3.3	0.12	0.09	73	0.7	0.03	5.8

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Project: CAR
 Report Date: August 13, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300100	Soil			0.87	23.04	16.33	88.1	136	26.7	9.3	400	3.12	10.5	3.7	2.8	1.9	43.8	0.29	0.56	0.21	42	0.70	0.081
1300101	Soil			0.77	47.48	13.12	98.5	304	25.2	9.3	478	2.69	12.3	6.3	6.8	1.4	82.2	0.31	0.44	0.18	45	1.33	0.115
1300102	Soil			0.92	23.91	13.11	98.9	373	23.9	9.8	418	2.56	10.9	6.5	5.5	0.9	98.1	0.34	0.47	0.17	47	1.82	0.094
1300103	Soil			0.97	30.10	15.61	92.9	411	27.0	10.5	421	2.84	12.2	11.8	6.7	1.4	65.5	0.17	0.54	0.19	48	1.10	0.095
1300104	Soil			1.17	25.68	33.43	177.8	233	32.7	12.0	351	3.09	8.6	1.9	0.9	3.5	53.0	0.35	0.50	0.28	13	1.15	0.099
1300105	Soil			0.74	18.97	27.65	81.2	161	23.8	9.7	192	2.77	7.4	1.6	0.4	3.4	49.1	0.09	0.38	0.27	12	0.87	0.042
1300106	Soil			1.02	25.97	26.17	93.5	370	25.3	10.3	287	3.55	7.0	1.5	0.9	2.9	39.3	0.21	0.46	0.28	32	0.85	0.038
1300107	Soil			0.73	20.52	21.84	83.2	208	23.2	8.4	296	2.95	5.4	0.8	1.5	2.5	24.5	0.13	0.36	0.27	19	0.75	0.042
1300108	Soil			1.27	13.22	48.20	45.6	49	16.1	7.3	4545	4.74	8.6	2.1	0.9	1.1	40.0	0.34	0.22	0.13	18	10.28	0.091
1300109	Soil			2.47	4.56	27.23	26.0	50	4.7	2.6	1590	1.82	4.6	1.4	0.3	0.7	52.3	0.09	0.08	0.04	5	12.47	0.034
1300110	Soil			2.62	7.50	352.2	5892	458	9.6	4.9	4459	8.84	9.0	2.4	<0.2	0.6	41.2	11.16	0.31	0.07	19	12.65	0.092
1300111	Soil			1.12	3.28	40.05	478.4	80	6.2	2.6	1784	1.43	4.5	1.6	0.2	0.4	52.6	0.46	0.14	0.04	10	13.46	0.069
1300112	Soil			1.67	9.98	64.53	683.6	157	13.7	6.2	2090	2.66	7.2	2.0	0.5	0.7	44.1	1.00	0.35	0.10	21	10.71	0.102
1300113	Soil			1.51	12.30	169.6	614.6	132	14.8	6.2	2631	2.22	8.0	2.6	0.7	0.4	35.8	1.55	0.34	0.11	24	8.32	0.121
1300114	Soil			1.34	24.96	140.3	728.9	203	25.0	10.8	1758	3.18	10.6	2.4	1.5	1.3	19.5	1.25	0.48	0.18	33	2.72	0.128
1300115	Soil			1.13	36.49	55.93	80.7	126	24.2	27.0	3357	3.91	14.3	1.1	1.1	2.7	7.5	0.22	0.44	0.44	33	0.10	0.075
1300116	Soil			0.94	59.44	25.13	96.6	78	30.6	23.9	3861	3.55	10.8	1.1	4.3	2.8	8.7	0.16	0.58	0.36	34	0.11	0.052
1300117	Soil			0.92	24.96	29.27	72.2	42	22.4	27.1	2289	3.94	4.8	0.9	0.6	3.7	6.6	0.09	0.43	0.37	28	0.05	0.055
1300118	Soil			1.16	11.75	52.22	151.5	35	20.8	9.6	561	3.07	11.9	0.7	3.5	1.8	10.0	0.21	0.52	0.31	46	0.36	0.074
1300119	Soil			0.74	7.14	715.9	1231	67	9.1	5.5	1935	1.73	6.1	1.1	1.3	0.5	32.9	2.95	0.27	0.11	22	8.51	0.156
1300120	Soil			1.04	7.97	1311	2919	99	11.1	6.1	2375	2.43	7.4	1.6	1.8	0.6	29.3	6.26	0.36	0.11	26	7.44	0.148
1300121	Soil			0.88	5.07	462.0	941.0	64	6.3	4.1	2355	2.13	6.6	1.5	0.7	0.3	51.1	1.68	0.23	0.06	17	11.33	0.136
1300122	Soil			1.58	6.60	139.2	881.8	103	10.0	5.2	2592	2.87	7.7	2.1	1.1	0.6	39.3	2.25	0.26	0.08	19	10.52	0.133
1300123	Soil			1.51	10.37	176.6	1481	129	16.4	7.5	3288	4.50	10.8	2.3	1.4	1.1	24.9	3.44	0.41	0.15	33	4.58	0.107
1300124	Soil			1.23	4.53	598.9	2077	99	5.4	3.2	1860	2.89	6.2	1.4	0.4	1.1	49.4	6.82	0.13	0.04	7	13.49	0.063
1300125	Soil			1.52	3.47	24.10	235.8	53	6.0	2.5	1983	2.13	5.9	2.5	0.5	0.8	46.5	0.64	0.10	0.03	9	14.08	0.097
1300126	Soil			1.24	3.33	445.2	2914	117	5.2	3.1	2767	4.51	6.3	2.7	0.7	0.6	40.2	16.03	0.11	0.03	8	12.95	0.102
1300127	Soil			1.14	6.22	283.1	1737	125	9.0	4.1	2814	3.86	5.7	2.1	0.8	1.1	36.2	4.68	0.14	0.05	10	10.19	0.089
1300128	Soil			0.93	20.00	83.16	5066	110	18.9	7.6	519	3.22	7.0	1.2	1.0	2.4	25.1	2.26	0.37	0.16	23	4.42	0.084
1300129	Soil			1.08	31.30	330.0	2076	88	23.0	11.8	1188	3.31	8.4	1.6	1.4	1.8	26.4	2.01	0.43	0.18	25	4.67	0.070



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1300100	Soil	20.5	31.1	1.17	126.3	0.009	3	1.87	0.002	0.11	<0.1	5.1	0.14	0.05	69	0.6	0.03	5.7	
1300101	Soil	28.7	33.7	1.63	165.0	0.010	6	1.89	0.004	0.12	<0.1	5.2	0.26	0.09	224	1.1	0.03	6.1	
1300102	Soil	24.2	32.7	1.23	139.8	0.012	4	1.75	0.005	0.11	<0.1	3.0	0.21	0.09	172	1.0	0.03	5.8	
1300103	Soil	25.8	33.2	1.22	158.5	0.010	4	1.86	0.004	0.12	<0.1	4.5	0.23	0.07	209	1.3	0.02	6.3	
1300104	Soil	8.1	10.4	0.20	60.8	<0.001	7	0.57	0.003	0.11	<0.1	5.6	0.24	0.04	104	0.7	0.05	1.8	
1300105	Soil	5.6	10.6	0.21	54.3	<0.001	6	0.73	0.002	0.10	<0.1	5.1	0.11	0.05	49	0.4	0.04	2.3	
1300106	Soil	9.2	19.4	0.41	137.1	0.002	3	1.48	0.003	0.11	<0.1	5.4	0.20	0.04	116	0.7	0.04	4.2	
1300107	Soil	5.6	12.6	0.36	73.3	0.001	4	0.85	0.003	0.11	<0.1	3.9	0.13	0.05	105	0.4	0.02	2.3	
1300108	Soil	15.7	11.2	5.08	68.8	0.002	4	0.88	0.010	0.06	<0.1	2.9	0.44	0.05	51	0.5	0.05	1.9	
1300109	Soil	4.7	3.2	6.29	23.5	0.001	2	0.15	0.008	0.03	<0.1	1.2	0.50	<0.02	17	0.2	<0.02	0.4	
1300110	Soil	7.5	9.2	6.28	91.1	0.004	3	0.73	0.007	0.04	<0.1	1.7	2.95	0.07	81	0.8	0.04	2.1	
1300111	Soil	3.9	5.9	7.03	36.8	0.004	2	0.33	0.010	0.03	<0.1	0.9	0.52	0.02	20	0.4	<0.02	0.9	
1300112	Soil	6.3	12.2	5.50	77.5	0.006	3	0.97	0.009	0.05	<0.1	1.7	0.48	0.04	57	0.5	<0.02	2.2	
1300113	Soil	7.3	13.7	4.11	114.1	0.005	4	1.11	0.008	0.07	<0.1	1.6	0.48	0.07	75	0.5	0.04	2.6	
1300114	Soil	9.8	21.0	1.41	158.7	0.004	4	1.52	0.004	0.10	<0.1	3.3	0.63	0.07	145	0.7	0.05	4.3	
1300115	Soil	4.5	28.9	0.38	167.7	0.005	2	1.72	0.004	0.12	0.2	4.5	0.15	0.04	49	0.3	0.06	6.7	
1300116	Soil	7.2	25.3	0.44	191.5	0.012	3	1.56	0.004	0.17	0.2	5.4	0.16	<0.02	40	0.2	0.06	5.3	
1300117	Soil	3.8	20.9	0.25	125.0	0.008	3	1.41	0.006	0.18	<0.1	9.4	0.20	0.02	36	0.3	0.08	4.3	
1300118	Soil	9.3	28.8	0.50	150.6	0.008	3	1.66	0.002	0.09	0.2	2.7	0.37	0.03	30	0.2	0.06	5.6	
1300119	Soil	8.6	13.4	5.21	58.0	0.006	3	0.89	0.010	0.04	<0.1	1.3	0.31	0.07	82	0.3	0.03	2.1	
1300120	Soil	8.2	14.5	4.54	68.1	0.008	4	0.96	0.008	0.04	<0.1	1.4	0.37	0.07	246	0.4	0.02	2.7	
1300121	Soil	6.0	8.9	7.15	58.7	0.006	4	0.59	0.010	0.03	<0.1	0.9	0.33	0.04	59	0.4	<0.02	1.3	
1300122	Soil	8.9	11.3	6.60	80.5	0.008	2	0.75	0.011	0.03	0.1	1.4	0.43	0.03	68	0.5	0.03	1.8	
1300123	Soil	11.8	19.3	2.60	123.7	0.010	3	1.28	0.006	0.04	0.1	2.5	0.52	0.06	117	0.6	0.06	3.4	
1300124	Soil	4.2	5.5	8.45	22.1	0.002	2	0.23	0.011	0.03	<0.1	1.4	0.53	0.06	73	0.5	<0.02	0.7	
1300125	Soil	7.3	7.0	8.93	82.4	0.004	2	0.44	0.009	0.02	<0.1	1.8	0.26	0.02	24	0.3	0.03	0.8	
1300126	Soil	5.7	5.2	8.11	32.0	0.003	2	0.26	0.010	0.02	<0.1	1.0	0.61	0.06	222	0.5	<0.02	0.9	
1300127	Soil	7.3	7.4	6.15	53.6	0.002	2	0.38	0.010	0.04	<0.1	1.8	0.36	0.04	70	0.3	0.02	1.1	
1300128	Soil	8.2	16.6	2.65	91.4	0.004	3	1.15	0.006	0.08	<0.1	3.8	0.63	0.05	75	0.7	0.02	2.8	
1300129	Soil	7.4	17.7	2.94	203.9	0.008	4	1.01	0.008	0.11	0.1	3.8	0.49	0.04	126	0.4	0.04	2.9	

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300130	Soil			0.98	14.01	57.85	412.7	152	20.4	9.4	580	2.74	10.1	1.3	2.3	2.0	16.9	0.57	0.49	0.22	41	0.87	0.071
1300131	Soil			1.26	12.51	37.06	489.2	193	28.7	11.4	1038	3.11	12.5	1.3	2.8	3.2	18.4	0.67	0.63	0.22	55	0.63	0.101
1300132	Soil			1.38	10.48	40.21	696.6	46	21.1	10.7	918	3.24	10.0	0.9	1.2	2.9	13.8	0.61	0.46	0.24	63	0.35	0.035
1300133	Soil			1.35	10.96	385.1	2114	236	19.4	7.3	2016	3.56	9.7	1.3	2.1	1.3	28.5	2.68	0.45	0.15	37	4.23	0.119
1300134	Soil			1.20	7.54	22.27	750.1	35	17.5	8.9	487	2.78	8.5	0.7	1.2	2.7	10.8	1.17	0.41	0.25	65	0.39	0.035
1300135	Soil			0.63	9.14	59.20	404.6	106	12.8	7.2	1526	2.47	6.4	0.6	0.6	0.8	22.6	0.77	0.32	0.11	31	7.22	0.098
1300136	Soil			0.91	17.23	49.62	394.4	73	24.6	12.1	2202	3.56	11.3	1.4	0.4	3.5	16.0	1.20	0.44	0.23	41	2.72	0.078
1300137	Soil			4.64	4.55	1086	3320	86	9.0	5.1	3651	7.68	5.4	1.8	0.2	0.6	47.9	10.41	0.03	0.03	5	10.73	0.069
1300138	Soil			1.35	14.88	254.3	4049	193	17.6	7.7	1228	6.35	6.1	1.6	1.5	1.6	37.7	5.59	0.22	0.16	19	2.15	0.104
1300139	Soil			0.62	26.25	21.47	138.9	189	26.4	11.2	420	2.74	8.1	1.9	1.2	1.5	120.2	0.27	0.42	0.21	28	1.44	0.072
1300140	Soil			0.54	15.91	19.84	320.1	116	25.2	13.8	650	3.00	6.7	1.5	0.4	2.1	54.3	0.67	0.26	0.28	30	1.05	0.068
1300141	Soil			0.59	24.76	26.12	120.8	118	26.4	11.2	382	3.00	7.2	1.2	1.6	2.3	60.3	0.29	0.40	0.25	22	1.15	0.066
1300142	Soil			0.72	29.25	29.43	123.7	138	31.2	12.4	298	3.28	8.9	0.8	2.2	3.6	53.9	0.33	0.50	0.23	27	1.30	0.046
1300143	Soil			0.86	32.13	19.02	87.9	129	31.6	14.2	533	3.04	9.9	1.4	5.6	4.0	41.1	0.16	0.46	0.19	34	1.55	0.055
1300144	Soil			0.81	34.67	18.36	78.9	149	30.4	13.5	406	3.09	11.6	1.2	12.0	4.6	66.1	0.14	0.47	0.21	34	2.70	0.051
1300145	Soil			0.55	35.05	12.68	69.4	165	29.6	9.9	225	2.74	8.9	1.8	6.0	3.4	42.8	0.16	0.29	0.14	45	1.05	0.048
1300146	Soil			0.35	22.74	12.39	75.0	50	27.8	11.0	391	2.72	4.4	1.3	6.5	5.7	38.1	0.14	0.18	0.15	51	0.77	0.022
1300147	Soil			0.37	12.19	12.13	99.8	33	22.3	9.4	412	2.42	4.5	1.4	2.9	2.8	24.6	0.18	0.13	0.14	56	0.55	0.034
1300148	Soil			0.42	20.37	13.32	92.0	27	29.7	11.4	337	2.92	8.5	1.1	4.1	6.2	16.5	0.13	0.25	0.16	47	0.35	0.020
1300149	Soil			0.32	34.19	25.37	77.2	34	32.3	14.4	488	2.71	5.9	0.7	1.7	7.3	48.6	0.11	0.33	0.24	24	2.77	0.035
1300150	Soil			0.31	37.78	17.47	88.7	58	34.1	11.9	394	2.61	4.5	1.3	1.7	4.1	41.9	0.08	0.28	0.22	19	1.74	0.060
1300151	Soil			0.72	43.57	15.24	75.7	120	26.1	9.4	497	2.80	10.5	5.9	2.6	2.1	61.0	0.06	0.45	0.24	25	1.33	0.052
1300152	Soil			0.53	45.16	18.12	76.8	132	31.5	13.3	517	3.41	16.6	1.1	1.1	3.3	46.3	0.04	0.47	0.33	23	0.89	0.046
1300153	Soil			0.57	29.40	22.46	76.8	85	32.2	17.5	1066	3.07	11.1	1.5	1.5	3.7	71.0	0.16	0.40	0.26	18	1.52	0.047
1300154	Soil			1.13	21.83	32.31	1198	80	19.6	10.2	768	2.58	6.8	1.8	2.5	1.7	24.3	1.03	0.41	0.26	28	1.39	0.054
1300155	Soil			0.86	21.36	61.07	627.3	97	23.8	12.1	844	2.79	6.4	1.0	2.8	2.6	60.8	1.03	0.33	0.16	20	5.40	0.072
1300156	Soil			1.03	16.17	86.48	2448	127	19.9	8.8	981	3.17	7.5	1.7	1.5	2.0	21.2	1.31	0.27	0.21	22	3.25	0.068
1300157	Soil			1.01	15.02	110.1	291.2	35	23.9	11.4	900	3.51	9.9	0.9	0.6	4.0	11.1	0.51	0.45	0.24	48	0.85	0.029
1300158	Soil			2.04	12.55	75.83	3322	44	20.5	10.2	1161	3.09	9.0	3.2	0.8	2.1	14.6	1.93	0.39	0.23	38	0.80	0.072
1300159	Soil			9.90	7.06	24.11	382.7	97	11.9	5.3	879	2.01	6.7	2.3	0.4	1.1	68.7	0.30	0.34	0.11	24	10.05	0.082



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1300130	Soil	12.7	24.7	0.54	229.6	0.012	3	1.39	0.006	0.06	0.2	3.5	0.29	0.05	94	0.3	0.04	4.4
1300131	Soil	17.0	32.2	0.60	307.1	0.019	2	1.80	0.007	0.05	0.2	4.1	0.24	0.02	128	0.3	0.04	5.2
1300132	Soil	15.2	32.6	0.50	236.8	0.021	2	1.98	0.004	0.05	0.2	3.8	0.34	<0.02	79	0.2	0.04	6.8
1300133	Soil	12.6	23.3	2.57	230.7	0.010	3	1.49	0.007	0.05	0.1	3.1	0.30	0.05	244	0.4	0.02	3.3
1300134	Soil	13.6	31.3	0.50	230.6	0.023	1	1.96	0.005	0.05	0.2	3.3	0.24	<0.02	73	0.1	0.03	6.9
1300135	Soil	6.7	16.4	4.70	100.1	0.005	2	1.34	0.006	0.04	<0.1	2.4	0.41	0.04	99	0.4	<0.02	3.0
1300136	Soil	15.2	26.7	1.94	135.9	0.003	3	2.06	0.003	0.09	<0.1	6.3	0.30	0.04	76	0.3	0.04	4.9
1300137	Soil	4.0	4.0	7.01	35.7	0.001	4	0.16	0.015	0.03	<0.1	1.1	21.56	0.05	453	0.5	<0.02	0.5
1300138	Soil	7.6	14.3	0.91	114.0	0.003	7	0.92	0.004	0.08	<0.1	3.0	3.04	0.10	157	1.2	0.03	2.4
1300139	Soil	8.9	20.3	0.46	153.7	0.004	6	1.33	0.004	0.11	<0.1	3.6	0.15	0.08	98	0.7	0.02	3.7
1300140	Soil	8.2	25.9	0.62	154.9	0.004	3	1.70	0.002	0.09	<0.1	3.9	0.10	0.05	84	0.4	0.04	5.0
1300141	Soil	11.7	16.8	0.31	91.1	0.002	5	1.02	0.003	0.10	<0.1	4.8	0.20	0.05	74	0.2	0.05	2.8
1300142	Soil	12.0	22.0	0.73	102.9	0.004	5	1.37	0.004	0.11	<0.1	5.1	0.19	0.04	109	0.3	0.05	3.9
1300143	Soil	15.7	29.5	1.33	108.0	0.005	7	1.79	0.003	0.21	<0.1	5.3	0.15	0.04	78	0.3	0.03	5.2
1300144	Soil	16.5	28.9	1.73	100.0	0.006	5	1.74	0.004	0.17	<0.1	5.9	0.15	0.03	71	0.4	0.02	5.1
1300145	Soil	23.8	42.6	1.87	186.4	0.009	7	2.21	0.002	0.17	<0.1	6.6	0.18	0.04	67	0.6	0.02	7.3
1300146	Soil	25.0	50.0	1.90	128.6	0.008	6	2.48	0.002	0.14	<0.1	7.5	0.18	0.02	27	0.2	<0.02	8.4
1300147	Soil	15.2	47.3	1.40	131.4	0.011	3	2.50	0.002	0.08	<0.1	3.7	0.16	0.02	22	0.2	<0.02	9.2
1300148	Soil	23.2	49.7	1.87	164.0	0.011	4	2.60	0.002	0.14	<0.1	8.2	0.16	<0.02	38	0.6	0.03	8.2
1300149	Soil	22.7	37.7	1.34	178.3	0.004	6	1.83	0.003	0.12	<0.1	8.2	0.11	0.02	39	0.2	0.03	5.8
1300150	Soil	15.2	34.3	1.27	120.2	0.004	5	1.61	0.003	0.10	<0.1	6.6	0.08	0.04	38	0.3	0.03	5.2
1300151	Soil	7.7	21.6	0.46	86.5	0.004	4	1.32	0.004	0.08	<0.1	4.5	0.08	0.05	64	1.0	0.03	4.2
1300152	Soil	6.5	22.5	0.58	69.7	0.002	3	1.55	0.005	0.07	<0.1	5.8	0.09	0.04	55	0.3	0.04	4.7
1300153	Soil	7.7	16.6	0.54	83.5	0.002	4	1.02	0.005	0.07	<0.1	5.8	0.09	0.05	81	0.4	0.05	3.0
1300154	Soil	5.0	19.9	0.44	184.7	0.006	4	1.18	0.004	0.10	0.1	3.2	0.18	0.06	85	0.4	0.03	4.1
1300155	Soil	7.8	18.5	2.83	64.6	0.004	6	1.00	0.006	0.09	<0.1	3.7	0.21	0.04	82	0.3	0.04	2.9
1300156	Soil	8.7	16.0	1.43	125.0	0.002	6	1.17	0.004	0.10	<0.1	3.5	0.46	0.06	150	0.7	0.05	3.1
1300157	Soil	13.4	27.8	0.87	128.9	0.007	3	1.99	0.003	0.09	0.1	5.6	0.21	<0.02	33	0.3	0.04	5.8
1300158	Soil	11.6	22.3	0.51	119.3	0.006	4	1.61	0.004	0.11	0.1	4.1	0.52	0.05	77	0.5	0.04	4.6
1300159	Soil	6.7	14.7	5.24	73.5	0.008	3	1.05	0.009	0.05	0.1	2.4	0.15	0.03	46	0.4	0.02	2.5

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300160	Soil			0.49	20.82	17.23	133.0	103	25.9	7.9	263	2.72	5.1	0.9	1.6	2.9	51.6	0.21	0.24	0.26	17	1.21	0.045
1300161	Soil			0.59	20.84	18.39	113.9	48	27.3	9.3	351	2.88	5.3	1.3	1.3	3.2	41.6	0.21	0.25	0.27	19	0.70	0.042
1300162	Soil			0.80	30.40	13.14	73.9	58	18.5	5.4	124	3.17	9.8	0.5	<0.2	2.9	7.2	0.08	0.34	0.39	28	0.04	0.023
1300163	Soil			1.02	8.69	14.32	56.0	145	11.1	6.6	386	2.83	8.2	0.4	<0.2	2.9	7.2	0.07	0.36	0.26	49	0.06	0.018
1300164	Soil			0.62	18.53	9.50	60.1	57	13.0	6.8	372	3.31	3.2	0.4	0.3	2.6	4.9	0.09	0.28	0.29	32	0.03	0.033
1300165	Soil			1.01	13.94	29.77	95.1	87	19.2	9.4	398	3.77	8.7	1.0	0.3	3.2	38.9	0.32	0.36	0.28	49	0.58	0.037
1300166	Soil			0.71	52.64	114.8	234.7	118	33.5	19.4	177	3.44	18.7	0.9	2.1	4.8	49.1	0.32	0.32	0.57	16	0.96	0.038
1300167	Soil			0.64	23.12	12.91	172.1	159	28.6	9.4	279	3.61	7.6	1.4	1.3	4.2	48.0	0.17	0.34	0.26	29	0.58	0.087
1300168	Soil			0.95	23.16	20.18	73.8	36	26.8	12.1	434	3.80	10.3	0.6	0.9	4.5	13.1	0.14	0.40	0.27	43	0.12	0.017
1300169	Soil			0.83	10.18	13.95	70.3	50	21.6	9.5	431	2.98	7.7	1.0	0.4	3.5	21.7	0.05	0.33	0.23	55	0.38	0.020
1300170	Soil			0.54	18.39	10.60	62.9	69	26.1	8.3	246	2.73	6.2	2.4	2.0	3.7	21.0	0.10	0.31	0.16	42	0.46	0.035
1300171	Soil			0.34	30.35	11.26	83.2	43	29.8	10.7	323	2.67	6.1	1.0	4.8	5.0	43.4	0.21	0.20	0.16	34	1.52	0.050
1300172	Soil			0.37	37.63	11.52	73.8	63	28.9	9.9	292	2.73	5.4	3.4	4.2	3.5	44.8	0.21	0.27	0.18	37	1.09	0.046
1300173	Soil			0.34	33.86	10.23	66.9	62	21.4	8.5	486	2.11	2.8	7.7	2.6	1.5	83.0	0.15	0.22	0.15	26	2.00	0.044
1300174	Soil			0.27	29.78	15.30	95.3	39	39.2	11.9	277	2.99	5.8	2.2	1.2	4.1	43.3	0.10	0.25	0.28	22	1.59	0.054
1300175	Soil			0.84	32.14	19.60	85.7	17	26.9	14.0	442	4.12	10.6	0.3	0.7	2.7	10.9	0.07	0.38	0.33	25	0.07	0.021
1300176	Soil			1.04	37.14	21.47	88.1	67	32.2	15.6	570	3.98	11.5	0.7	1.3	3.6	17.9	0.16	0.40	0.32	27	0.41	0.046
1300177	Soil			1.05	32.56	16.60	89.8	106	30.4	14.1	708	3.60	9.9	3.5	1.4	2.6	45.1	0.23	0.47	0.29	29	0.96	0.076
1300178	Soil			0.91	32.68	19.19	79.1	47	32.1	15.1	597	3.91	10.9	0.6	1.1	3.9	15.1	0.15	0.43	0.32	33	0.17	0.047
1300179	Soil			1.11	29.34	17.29	80.2	176	33.1	14.1	512	3.68	10.5	1.6	1.8	3.3	30.1	0.12	0.48	0.27	36	0.56	0.085
1300180	Soil			1.21	29.67	19.13	69.6	34	31.8	15.4	561	4.06	11.9	0.6	1.7	3.8	10.3	0.06	0.55	0.31	38	0.11	0.025
1300181	Soil			1.08	25.81	10.77	91.2	234	31.2	15.8	665	2.95	6.4	5.3	2.0	3.0	22.5	0.16	0.52	0.24	42	0.40	0.102
1300182	Soil			0.94	59.83	14.44	104.1	226	37.5	13.6	706	3.61	8.6	6.2	5.8	2.9	44.6	0.26	0.55	0.26	35	0.86	0.121
1300183	Soil			0.74	33.72	44.56	82.1	82	27.6	22.4	1477	3.42	6.5	1.1	1.3	2.1	10.5	0.08	0.40	0.33	27	0.08	0.055
1300184	Soil			3.21	11.44	72.10	171.0	59	17.3	7.4	1076	2.34	12.8	4.2	<0.2	2.1	40.7	0.43	0.47	0.15	38	6.49	1.130
1300185	Soil			1.68	13.33	23.02	149.5	73	14.0	6.8	1489	2.04	8.8	1.3	0.4	0.8	34.7	0.46	0.57	0.13	29	8.11	0.208
1300186	Soil			1.96	13.15	77.59	281.1	80	19.4	9.2	2537	2.90	14.1	3.5	0.3	1.4	41.6	0.63	0.74	0.19	48	3.32	1.056
1300187	Soil			1.76	7.49	166.3	394.3	63	10.2	5.0	1865	1.71	8.3	1.3	0.3	0.8	47.9	0.60	0.48	0.09	21	11.58	0.143
1300188	Soil			1.08	7.07	228.7	281.3	69	10.1	4.9	830	1.50	6.6	0.9	1.1	1.0	48.0	0.47	0.38	0.08	16	11.06	0.099
1300189	Soil			1.43	11.74	439.6	755.8	137	15.4	6.4	1780	2.30	10.1	1.0	1.0	0.6	34.5	1.56	0.70	0.14	31	6.63	0.151

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.01
1300160	Soil	8.6	14.4	0.36	88.0	0.002	6	1.00	0.003	0.13	<0.1	4.6	0.15	0.05	60	0.5	<0.02	2.9
1300161	Soil	10.0	16.0	0.37	111.2	0.002	4	1.16	0.002	0.13	<0.1	4.9	0.14	0.03	58	0.5	<0.02	3.4
1300162	Soil	5.1	14.6	0.20	71.1	0.004	3	1.37	<0.001	0.11	<0.1	3.2	0.10	<0.02	22	0.1	0.09	4.3
1300163	Soil	10.3	19.6	0.22	104.9	0.008	1	1.60	<0.001	0.06	0.1	2.4	0.16	<0.02	28	0.2	0.04	6.0
1300164	Soil	5.5	18.5	0.20	81.1	0.003	4	1.45	0.001	0.15	<0.1	3.0	0.13	<0.02	25	0.2	0.07	5.2
1300165	Soil	10.1	22.7	0.26	158.8	0.003	2	2.16	<0.001	0.07	0.1	4.4	0.19	<0.02	45	0.3	0.06	6.2
1300166	Soil	9.1	9.7	0.10	81.6	<0.001	5	0.61	0.002	0.11	<0.1	7.0	0.55	0.02	55	0.4	0.17	1.5
1300167	Soil	9.1	23.6	0.55	86.7	0.003	3	1.58	0.004	0.11	<0.1	6.2	0.12	0.04	136	0.9	0.05	4.7
1300168	Soil	9.6	24.5	0.46	134.0	0.003	2	2.17	0.001	0.08	<0.1	5.1	0.15	<0.02	47	0.2	0.04	6.0
1300169	Soil	10.9	29.4	0.58	130.6	0.014	2	2.18	0.002	0.06	0.1	4.0	0.19	<0.02	14	0.2	0.04	7.0
1300170	Soil	22.3	34.8	1.41	89.3	0.009	5	1.98	0.002	0.18	<0.1	6.2	0.15	0.02	34	0.4	0.02	6.3
1300171	Soil	25.8	40.6	2.36	87.2	0.007	7	2.16	0.002	0.14	<0.1	7.0	0.12	0.03	37	0.6	<0.02	7.0
1300172	Soil	19.1	40.2	1.78	150.1	0.006	5	2.24	0.002	0.11	<0.1	8.1	0.14	0.05	48	0.9	<0.02	7.2
1300173	Soil	14.3	29.0	1.13	314.7	0.005	5	1.64	0.004	0.09	<0.1	3.5	0.12	0.06	47	1.3	<0.02	5.2
1300174	Soil	12.0	37.3	1.39	140.1	0.004	6	1.99	0.001	0.10	<0.1	6.2	0.08	0.03	22	0.4	0.02	6.2
1300175	Soil	4.2	21.5	0.44	46.5	<0.001	2	1.67	0.001	0.08	<0.1	3.3	0.09	<0.02	33	0.2	0.07	4.8
1300176	Soil	7.2	22.0	0.44	75.3	0.002	3	1.44	0.002	0.08	<0.1	6.8	0.12	0.03	69	0.4	0.05	4.4
1300177	Soil	7.5	20.8	0.50	139.1	0.003	3	1.49	0.004	0.08	<0.1	6.2	0.12	0.04	104	0.7	0.04	4.3
1300178	Soil	8.3	22.9	0.45	104.6	0.003	3	1.62	0.002	0.08	<0.1	5.6	0.11	<0.02	35	0.3	0.04	5.3
1300179	Soil	10.6	24.8	0.52	243.1	0.006	3	1.64	0.004	0.08	0.1	6.4	0.14	<0.02	93	0.5	0.06	4.8
1300180	Soil	9.3	24.8	0.50	103.8	0.005	2	1.77	0.001	0.05	<0.1	5.1	0.13	<0.02	64	0.5	0.06	5.2
1300181	Soil	12.0	28.4	0.56	289.2	0.011	2	1.87	0.005	0.07	0.2	5.5	0.14	0.02	90	0.6	0.03	5.5
1300182	Soil	10.6	25.1	0.61	165.6	0.007	4	1.81	0.005	0.09	<0.1	8.2	0.13	0.03	105	1.0	0.04	5.1
1300183	Soil	7.9	24.6	0.39	130.5	0.006	3	1.53	0.004	0.19	0.1	4.2	0.16	0.03	22	0.2	0.04	5.6
1300184	Soil	20.9	23.7	2.51	97.9	0.006	10	1.83	0.007	0.27	<0.1	3.8	0.59	0.05	73	0.4	0.02	4.1
1300185	Soil	12.3	16.6	4.33	77.7	0.006	4	1.34	0.005	0.10	<0.1	2.1	0.23	0.05	96	0.5	0.02	2.9
1300186	Soil	28.6	25.0	0.78	140.0	0.013	8	1.97	0.006	0.20	0.1	3.2	0.41	0.08	81	0.5	0.04	5.3
1300187	Soil	8.5	11.2	6.09	65.1	0.004	2	0.92	0.007	0.06	<0.1	1.9	0.61	0.03	54	0.5	<0.02	2.1
1300188	Soil	6.0	9.3	5.95	44.9	0.005	3	0.68	0.007	0.07	<0.1	2.0	0.37	0.02	30	0.4	<0.02	1.6
1300189	Soil	10.0	16.8	3.62	85.3	0.008	3	1.23	0.006	0.07	0.1	1.9	0.43	0.06	85	0.5	0.02	2.8

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Project: CAR
 Report Date: August 13, 2012

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CERTIFICATE OF ANALYSIS

WHI12000252.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300190	Soil			2.06	6.23	1736	5000	188	4.4	2.2	2622	2.70	9.9	2.2	2.2	0.2	61.7	10.12	0.44	0.06	9	15.55	0.114
1300191	Soil			1.24	6.98	250.8	1767	118	8.2	2.9	1734	2.60	12.1	2.9	<0.2	1.1	57.7	1.82	0.45	0.07	6	13.89	0.119
1300192	Soil			1.53	12.61	1182	7905	142	8.9	4.4	1250	6.84	13.3	1.6	1.0	2.4	32.3	10.32	0.59	0.30	9	4.98	0.062
1300193	Soil			0.66	32.44	27.47	93.5	518	23.9	6.6	274	2.49	10.4	5.6	2.2	2.2	43.4	0.39	0.78	0.28	23	1.11	0.161
1300194	Soil			0.97	21.96	20.35	80.3	138	12.9	10.2	871	2.48	7.0	1.0	<0.2	<0.1	35.0	0.17	0.63	0.29	30	1.08	0.210
1300195	Soil			0.60	41.27	17.18	85.3	162	26.7	10.8	251	2.54	8.8	1.6	5.9	2.5	35.2	0.26	0.44	0.23	26	0.99	0.089
1300196	Soil			0.42	39.87	14.98	99.0	81	28.1	11.2	339	2.46	7.7	1.6	7.2	4.7	55.0	0.25	0.32	0.19	28	2.95	0.075
1300197	Soil			0.51	27.60	16.81	102.8	88	25.1	9.9	264	2.20	6.5	1.6	9.0	5.0	103.9	0.32	0.38	0.15	22	5.15	0.071
1300198	Soil			0.48	29.16	10.10	72.3	46	23.5	8.2	352	1.97	2.1	1.7	2.4	5.1	134.5	0.29	0.17	0.13	26	7.33	0.058
1300199	Soil			0.31	32.11	10.73	86.1	59	28.8	11.0	388	2.43	2.6	1.5	2.4	3.5	80.5	0.28	0.17	0.15	31	3.23	0.058
1300200	Soil			0.31	24.37	13.92	93.4	67	29.4	10.9	427	2.38	3.4	2.2	4.2	5.3	97.1	0.32	0.22	0.16	35	4.56	0.069
1300201	Soil			0.20	6.94	7.78	78.9	26	25.3	9.9	340	2.05	0.6	1.0	4.2	8.0	114.0	0.15	0.12	0.10	15	5.85	0.051
1300202	Soil			0.24	14.23	6.10	83.1	16	28.3	10.4	337	2.22	0.8	1.0	2.8	7.9	71.1	0.11	0.13	0.14	15	3.69	0.056
1300203	Soil			0.12	21.80	6.84	77.5	18	36.4	13.1	290	2.50	1.2	1.1	1.4	9.2	102.3	0.07	0.12	0.19	14	4.94	0.071
1300204	Soil			0.38	27.95	42.03	102.9	96	33.0	21.7	1086	4.00	2.3	1.2	1.5	4.9	15.9	0.12	0.19	0.28	22	0.26	0.111
1300205	Soil			0.93	47.98	48.98	135.8	337	42.2	22.3	954	4.06	16.5	3.5	<0.2	6.5	90.5	0.23	0.85	0.32	17	0.75	0.368
1300206	Soil			0.79	23.49	55.69	232.0	223	22.8	10.1	259	2.47	13.0	0.8	0.5	5.1	39.9	0.71	0.70	0.27	11	1.47	0.161
1300207	Soil			0.22	23.73	12.58	89.7	23	37.7	12.6	429	2.55	1.7	1.2	1.3	9.1	62.8	0.12	0.16	0.19	15	3.10	0.072
1300208	Soil			2.41	31.67	24.56	74.7	119	26.5	14.5	856	3.09	9.4	1.4	1.6	4.0	31.6	0.19	0.58	0.36	30	1.00	0.110
1300209	Soil			2.17	31.51	26.51	76.9	139	27.4	12.9	449	3.34	11.3	1.6	1.9	6.3	30.2	0.12	0.48	0.40	33	0.74	0.121
1300210	Soil			2.03	39.62	23.78	98.2	125	34.7	15.0	249	3.64	8.3	0.8	1.2	4.4	27.7	0.24	0.55	0.34	27	0.34	0.054
1300211	Soil			1.89	34.99	21.61	60.2	156	29.4	12.7	470	3.49	8.9	1.1	0.4	6.1	24.8	0.12	0.66	0.33	29	0.29	0.053
1300212	Soil			1.01	42.32	27.53	43.2	60	27.3	15.1	451	4.65	6.7	0.4	0.5	2.8	5.3	0.07	0.65	0.37	41	0.03	0.046
1300213	Soil			1.04	74.98	31.37	112.4	179	46.2	24.5	474	5.41	8.9	0.6	0.9	3.5	25.1	0.26	0.70	0.38	28	0.38	0.067
1300214	Soil			1.43	36.71	28.29	110.4	183	33.4	12.8	353	3.26	10.7	1.6	0.5	3.5	38.7	0.21	0.53	0.33	20	0.95	0.099
1300215	Soil			0.89	52.00	26.21	149.3	132	39.2	20.3	555	3.74	9.0	1.6	<0.2	2.3	38.8	0.46	0.57	0.28	26	0.91	0.102
1300216	Soil			0.92	66.48	262.5	1945	342	40.2	27.3	955	5.42	41.3	0.8	2.1	1.6	39.5	6.37	2.48	0.35	31	0.81	0.061
1300217	Soil			0.59	13.31	168.7	1761	477	10.6	5.1	2020	2.56	39.7	0.6	<0.2	0.4	52.7	6.37	4.65	0.09	15	11.40	0.077
1300218	Soil			1.11	36.16	130.3	722.5	344	30.2	13.0	599	3.12	213.0	0.8	1.6	1.3	74.6	0.82	6.81	0.26	29	2.89	0.084
1300219	Soil			2.15	22.61	154.6	1305	889	17.2	10.0	2423	3.32	149.9	1.1	1.4	0.6	51.7	6.07	19.05	0.19	33	5.26	0.140

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Project: CAR
 Report Date: August 13, 2012

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1300190	Soil	5.1	4.6	9.00	35.8	0.004	4	0.25	0.008	0.02	<0.1	0.3	1.54	0.04	393	0.7	0.11	1.0	
1300191	Soil	9.0	5.6	8.12	35.9	0.003	4	0.26	0.009	0.06	<0.1	1.3	2.60	<0.02	105	0.4	<0.02	0.8	
1300192	Soil	4.4	7.0	2.93	62.5	0.001	6	0.36	0.006	0.23	<0.1	1.7	5.27	0.35	292	0.6	0.06	1.6	
1300193	Soil	15.5	21.8	0.58	96.6	0.004	8	1.36	0.003	0.17	<0.1	4.1	0.19	0.12	91	0.9	0.06	3.8	
1300194	Soil	6.1	17.8	0.21	111.6	0.001	6	0.93	0.003	0.13	<0.1	<0.1	0.18	0.11	29	0.3	0.06	3.8	
1300195	Soil	24.7	27.1	0.65	88.6	0.003	6	1.32	0.001	0.19	<0.1	4.3	0.19	0.05	56	0.6	0.06	4.2	
1300196	Soil	29.0	33.6	1.56	65.4	0.004	7	1.37	0.003	0.24	<0.1	5.3	0.16	0.03	37	0.7	0.02	4.5	
1300197	Soil	25.3	29.0	2.16	55.0	0.005	7	1.46	0.004	0.22	<0.1	4.7	0.16	0.03	20	0.7	<0.02	4.4	
1300198	Soil	22.6	31.2	3.12	46.8	0.005	5	1.71	0.006	0.18	<0.1	4.3	0.08	0.02	34	0.8	0.06	4.9	
1300199	Soil	27.9	44.9	2.71	81.0	0.007	10	2.26	0.004	0.19	<0.1	4.4	0.10	0.05	12	0.7	<0.02	6.8	
1300200	Soil	25.1	47.1	3.05	79.6	0.009	8	2.27	0.005	0.20	<0.1	5.7	0.12	0.04	41	0.8	<0.02	6.9	
1300201	Soil	28.9	31.2	3.50	135.8	0.004	3	1.70	0.007	0.16	<0.1	4.2	0.05	<0.02	<5	1.0	<0.02	4.4	
1300202	Soil	29.0	30.3	3.26	128.2	0.006	5	1.50	0.008	0.15	<0.1	5.0	0.05	<0.02	<5	0.9	<0.02	3.9	
1300203	Soil	21.9	31.0	1.75	72.6	0.004	5	1.70	0.004	0.16	<0.1	4.5	0.06	<0.02	7	0.4	<0.02	4.6	
1300204	Soil	11.5	28.0	0.74	113.2	0.003	6	1.99	0.001	0.19	<0.1	5.9	0.14	0.04	18	0.3	<0.02	5.6	
1300205	Soil	15.1	25.1	0.62	142.6	0.004	7	1.73	0.007	0.27	<0.1	6.1	0.23	0.12	62	1.7	0.09	4.5	
1300206	Soil	9.2	12.0	0.45	77.4	0.002	9	0.82	0.003	0.17	<0.1	4.5	0.13	0.05	107	0.8	<0.02	2.4	
1300207	Soil	29.8	33.8	2.21	137.4	0.005	5	1.63	0.004	0.14	<0.1	5.1	0.06	<0.02	25	0.6	0.03	4.7	
1300208	Soil	7.3	21.2	0.48	167.3	0.003	6	1.48	0.003	0.16	<0.1	4.6	0.19	0.06	84	0.4	0.02	4.5	
1300209	Soil	9.2	22.9	0.59	177.1	0.002	6	1.80	0.004	0.18	<0.1	5.4	0.15	0.04	112	0.8	0.07	5.2	
1300210	Soil	13.0	17.7	0.34	111.5	0.003	6	1.16	0.003	0.14	<0.1	6.4	0.16	0.03	66	0.8	<0.02	3.3	
1300211	Soil	13.3	16.9	0.32	111.2	0.004	7	1.17	0.002	0.19	<0.1	7.0	0.16	0.02	51	0.6	<0.02	3.5	
1300212	Soil	12.6	20.1	0.28	42.7	0.006	3	1.25	0.001	0.10	<0.1	4.9	0.16	0.02	57	0.3	0.03	4.9	
1300213	Soil	12.7	19.3	0.36	61.3	0.003	5	1.23	0.004	0.13	<0.1	11.2	0.18	0.05	81	0.6	0.07	3.4	
1300214	Soil	10.5	18.5	0.52	131.5	0.002	4	1.24	0.003	0.13	<0.1	5.3	0.16	0.09	101	0.7	0.07	3.4	
1300215	Soil	8.3	20.5	0.42	97.5	0.004	5	1.19	0.004	0.13	<0.1	7.3	0.15	0.08	76	0.8	0.06	3.5	
1300216	Soil	4.8	22.7	0.15	116.9	0.002	4	0.67	0.002	0.10	<0.1	10.1	0.80	0.05	1314	0.7	<0.02	3.8	
1300217	Soil	6.4	9.3	6.28	83.8	0.007	3	0.65	0.008	0.04	<0.1	1.7	0.36	0.04	889	0.5	<0.02	1.3	
1300218	Soil	13.4	19.5	0.58	214.8	0.005	7	1.25	0.004	0.15	0.1	4.9	3.35	0.08	1056	0.7	0.07	3.2	
1300219	Soil	13.2	14.7	2.57	241.4	0.008	6	0.99	0.006	0.07	0.2	2.7	1.75	0.08	1532	1.0	<0.02	2.5	

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300220	Soil			0.93	29.63	62.81	428.5	459	20.5	9.6	1000	2.45	110.6	0.8	0.9	0.9	83.3	1.19	11.38	0.19	16	7.58	0.085
1300221	Soil			0.72	6.31	30.81	136.2	218	7.1	3.7	1418	1.78	39.3	0.6	<0.2	0.6	24.9	0.59	12.36	0.09	20	9.78	0.038
1300222	Soil			0.69	11.99	40.15	199.1	366	10.7	5.9	1611	1.99	80.2	0.9	0.4	0.4	40.5	1.18	14.78	0.12	20	9.23	0.107
1300223	Soil			1.33	22.38	86.88	359.6	809	17.8	9.5	2339	3.37	55.5	1.0	0.7	0.6	32.8	1.83	13.16	0.18	28	4.42	0.112
1300224	Soil			0.32	3.56	28.62	54.1	237	3.9	2.2	1156	0.87	9.2	0.5	<0.2	0.3	39.6	0.87	2.46	0.03	8	13.18	0.071
1300225	Soil			0.58	6.08	72.46	178.9	213	4.6	2.9	1633	1.48	24.6	0.7	1.5	0.4	55.9	1.43	11.77	0.05	11	12.37	0.104
1300226	Soil			0.32	3.25	57.39	166.7	265	3.2	1.8	968	1.03	13.0	0.9	2.7	0.2	31.6	1.23	8.27	0.06	8	16.98	0.073
1300227	Soil			0.96	15.88	103.4	280.0	434	7.5	6.1	1417	2.35	55.9	0.6	2.2	0.8	38.5	1.56	9.93	0.10	8	14.11	0.052
1300228	Soil			0.97	25.42	189.3	110.0	918	14.8	10.3	1985	7.89	26.4	0.5	1.9	1.2	29.3	0.69	5.97	0.14	10	7.85	0.032
1300229	Soil			0.83	20.88	177.9	278.8	450	15.5	9.9	2443	5.65	24.2	0.6	1.8	1.4	51.6	5.42	5.46	0.13	12	10.32	0.036
1300230	Soil			2.05	15.40	92.12	206.8	248	18.1	10.0	3534	6.17	36.0	0.8	1.5	1.7	14.9	4.20	4.85	0.16	26	3.99	0.053
1300231	Soil			3.30	17.60	55.00	264.2	376	17.9	10.3	1547	4.50	39.8	2.0	1.1	1.0	22.9	1.18	4.66	0.24	102	2.01	0.192
1300232	Soil			1.08	16.60	48.08	193.2	251	19.7	10.7	1364	4.00	52.3	0.8	1.8	1.4	20.0	1.41	6.88	0.21	39	2.12	0.056
1300233	Soil			1.10	15.08	31.82	102.6	211	22.9	11.8	851	3.46	20.4	0.9	2.6	2.2	13.4	0.45	2.20	0.25	46	0.52	0.046
1300234	Soil			6.89	24.83	68.96	314.6	351	20.2	11.4	1371	4.14	64.2	1.3	0.3	1.0	41.4	4.30	10.09	0.22	47	4.47	0.084
1300235	Soil			2.96	17.66	87.52	463.0	544	15.0	10.2	2024	3.89	25.7	1.5	1.2	0.8	35.3	3.55	5.02	0.18	35	5.04	0.081
1300236	Soil			4.50	29.44	183.5	970.0	940	18.7	9.2	905	4.18	49.4	0.9	1.8	0.6	61.4	4.40	17.71	0.17	14	5.83	0.093
1300237	Soil			6.15	31.46	142.9	507.7	610	18.4	10.1	1334	3.96	51.4	1.2	1.0	1.2	80.8	4.33	17.62	0.14	16	9.82	0.087
1300238	Soil			3.72	17.38	98.26	231.5	460	9.2	5.1	650	2.30	25.0	0.7	0.4	1.2	79.5	1.44	9.05	0.10	10	10.62	0.064
1300239	Soil			3.92	16.51	104.0	267.3	685	13.4	7.9	1217	3.77	26.9	1.1	0.5	0.8	111.5	1.36	7.98	0.10	9	11.81	0.084
1300240	Soil			1.04	5.76	254.3	328.0	357	4.9	3.5	1508	1.41	10.0	0.7	0.3	0.3	59.2	2.27	14.71	0.05	11	16.16	0.090
1298601	Soil			1.36	32.80	133.7	344.8	327	42.3	14.1	448	4.37	40.4	2.1	1.2	3.8	71.0	0.31	0.75	0.39	17	1.15	0.233
1298602	Soil			0.81	22.61	50.41	262.2	114	27.5	12.3	433	2.81	7.3	1.1	1.4	3.0	39.2	0.40	0.35	0.31	20	0.60	0.052
1298603	Soil			0.81	22.05	33.14	258.1	127	25.9	9.5	566	2.84	6.4	1.0	1.7	3.4	65.3	0.33	0.34	0.24	14	4.01	0.057
1298604	Soil			0.93	28.14	32.38	211.3	114	30.3	14.3	742	3.12	7.5	0.9	1.7	3.5	72.5	0.43	0.39	0.23	21	2.98	0.056
1298605	Soil			0.68	28.29	35.67	149.8	127	29.9	13.1	500	2.72	8.2	1.0	2.3	3.5	266.0	0.31	0.36	0.21	19	9.23	0.058
1298606	Soil			0.67	27.62	22.77	145.7	146	33.1	12.7	497	2.89	5.9	1.0	1.9	3.9	105.3	0.29	0.32	0.25	17	2.89	0.061
1298607	Soil			0.80	28.38	22.52	100.2	121	28.2	11.4	433	2.84	7.1	1.1	2.7	4.3	159.5	0.21	0.37	0.22	20	5.54	0.066
1298608	Soil			0.55	29.70	27.02	77.6	184	32.8	12.2	170	2.99	9.3	1.1	0.9	5.1	331.6	0.11	0.36	0.28	7	9.79	0.034
1298609	Soil			0.89	15.47	16.59	69.9	132	17.4	7.3	326	2.12	5.5	1.0	1.7	2.3	182.5	0.15	0.22	0.13	12	8.01	0.092



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1300220	Soil	8.9	9.8	3.44	157.3	0.003	5	0.74	0.007	0.12	<0.1	2.8	1.99	0.06	544	1.0	0.03	1.8
1300221	Soil	5.0	8.9	5.71	80.6	0.010	2	0.68	0.010	0.03	0.1	1.2	0.29	0.02	115	0.3	<0.02	1.6
1300222	Soil	6.1	10.1	5.09	194.7	0.007	3	0.78	0.010	0.05	0.1	1.5	0.44	0.05	215	0.6	<0.02	1.6
1300223	Soil	8.4	13.9	2.37	326.5	0.007	4	0.98	0.006	0.06	0.1	2.1	0.48	0.08	354	0.7	<0.02	2.3
1300224	Soil	3.8	4.1	7.54	62.8	0.005	2	0.26	0.012	0.02	<0.1	0.9	0.08	<0.02	114	0.1	<0.02	0.6
1300225	Soil	4.9	5.1	7.62	139.6	0.006	2	0.33	0.010	0.03	<0.1	1.1	0.14	<0.02	196	0.3	<0.02	0.7
1300226	Soil	1.7	2.6	10.31	29.1	0.002	3	0.11	0.012	0.01	<0.1	0.8	0.16	0.02	215	0.5	<0.02	0.2
1300227	Soil	2.9	4.5	8.40	89.2	0.002	3	0.21	0.010	0.04	<0.1	2.2	0.30	<0.02	434	0.5	<0.02	0.6
1300228	Soil	5.3	4.8	4.42	67.9	0.002	5	0.18	0.008	0.05	<0.1	4.2	0.93	0.04	212	0.5	<0.02	0.4
1300229	Soil	5.0	7.3	5.89	70.5	0.004	6	0.26	0.013	0.05	0.1	4.4	0.74	0.04	995	0.7	<0.02	0.7
1300230	Soil	11.1	13.9	2.33	167.8	0.005	3	0.83	0.005	0.05	0.1	6.4	0.91	0.04	245	0.6	0.04	1.8
1300231	Soil	11.7	21.7	0.89	150.2	0.005	3	1.42	0.001	0.06	0.1	3.7	0.49	0.07	240	0.6	0.09	3.7
1300232	Soil	12.9	20.9	1.34	193.7	0.009	4	1.11	0.005	0.06	0.2	4.4	0.32	0.03	228	0.4	0.03	3.2
1300233	Soil	15.1	27.3	0.56	264.9	0.014	2	1.46	0.005	0.06	0.2	4.2	0.26	0.02	81	0.4	0.05	4.6
1300234	Soil	10.0	14.7	2.35	180.3	0.003	5	0.79	0.005	0.07	0.3	4.3	0.54	0.04	572	0.6	0.04	2.2
1300235	Soil	11.0	13.2	2.71	129.8	0.002	3	0.73	0.005	0.06	0.1	3.7	0.61	0.05	345	0.4	0.05	1.7
1300236	Soil	4.9	6.4	2.26	119.7	<0.001	6	0.23	0.006	0.09	0.3	2.8	0.93	0.26	597	0.9	0.04	0.8
1300237	Soil	4.6	6.4	5.40	105.8	<0.001	4	0.20	0.010	0.09	0.3	3.9	1.26	0.24	700	0.9	0.04	0.6
1300238	Soil	2.6	5.0	5.92	131.1	0.001	5	0.16	0.011	0.13	0.1	2.3	0.93	0.25	412	0.6	<0.02	0.6
1300239	Soil	3.6	4.8	6.73	64.8	0.002	4	0.16	0.011	0.05	0.1	2.4	0.76	0.36	458	0.7	<0.02	0.4
1300240	Soil	3.0	4.1	9.90	133.9	0.002	3	0.22	0.013	0.03	<0.1	1.0	0.38	0.03	252	0.6	<0.02	0.5
1298601	Soil	8.9	15.7	0.17	116.5	0.002	6	1.08	0.002	0.14	<0.1	5.7	0.22	0.04	95	0.6	0.05	2.6
1298602	Soil	6.8	19.1	0.43	102.2	0.005	3	1.02	0.003	0.13	<0.1	3.9	0.15	0.02	50	0.3	0.07	3.3
1298603	Soil	7.2	14.5	1.96	68.7	0.002	6	0.83	0.005	0.12	<0.1	4.1	0.28	0.03	76	0.5	0.04	2.4
1298604	Soil	8.0	19.5	1.47	89.1	0.002	4	1.19	0.004	0.13	<0.1	4.5	0.22	0.03	77	0.4	0.04	3.4
1298605	Soil	8.0	17.4	1.23	94.4	0.002	5	1.17	0.004	0.14	<0.1	4.1	0.18	0.02	81	0.7	<0.02	3.0
1298606	Soil	8.9	16.6	0.93	82.7	0.002	5	1.06	0.004	0.12	<0.1	5.0	0.14	0.03	75	0.5	<0.02	2.7
1298607	Soil	8.5	18.9	1.43	64.9	0.003	5	1.17	0.005	0.12	<0.1	4.4	0.13	<0.02	63	0.6	0.03	3.3
1298608	Soil	11.3	5.7	0.26	60.7	0.001	3	0.34	0.003	0.09	<0.1	4.0	0.17	0.02	232	0.8	0.09	1.0
1298609	Soil	11.8	9.0	3.56	70.1	0.001	5	0.38	0.012	0.09	<0.1	3.1	0.14	0.04	202	0.8	0.03	1.0

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298610	Soil			1.36	20.55	17.76	46.5	204	23.5	10.4	353	2.29	8.6	2.7	4.5	4.2	106.8	0.13	0.34	0.15	14	5.16	0.047
1298611	Soil			1.17	16.09	14.91	34.0	317	16.5	7.3	298	1.84	5.1	1.1	3.4	4.6	152.7	0.09	0.26	0.13	9	6.94	0.058
1298612	Soil			1.03	25.87	20.93	89.6	399	28.0	11.9	614	2.94	11.3	3.2	4.5	3.5	37.6	0.20	0.39	0.21	31	0.66	0.065
1298613	Soil			0.72	9.55	12.49	50.7	54	20.8	7.9	243	2.25	6.9	1.4	1.9	3.9	13.0	0.04	0.27	0.16	33	0.23	0.030
1298614	Soil			0.38	18.59	13.03	74.1	76	26.5	8.9	216	2.72	4.7	3.7	3.4	4.8	22.4	0.06	0.18	0.16	44	0.49	0.026
1298615	Soil			0.46	20.41	14.40	69.8	79	25.9	10.1	296	2.66	7.1	3.8	2.7	5.0	37.9	0.15	0.26	0.18	42	0.75	0.034
1298616	Soil			0.67	24.21	14.74	99.0	82	29.7	11.2	265	2.88	13.5	1.2	5.7	5.6	12.9	0.11	0.35	0.18	43	0.30	0.047
1298617	Soil			0.48	14.20	10.70	108.3	28	25.5	10.1	328	2.66	3.8	0.7	2.7	4.6	14.6	0.31	0.19	0.17	44	0.33	0.034
1298618	Soil			0.53	31.13	13.11	88.9	62	25.6	9.6	322	2.75	5.2	2.6	2.0	3.8	25.4	0.17	0.33	0.21	35	0.66	0.041
1298619	Soil			0.58	47.93	14.52	74.3	80	26.9	11.0	430	2.45	7.4	5.0	3.8	3.1	46.5	0.19	0.32	0.22	29	1.25	0.046
1298620	Soil			0.31	36.51	21.63	94.8	48	37.2	14.7	413	2.89	3.2	1.0	1.6	5.7	23.0	0.11	0.19	0.30	19	1.16	0.069
1298621	Soil			0.87	49.34	27.28	118.3	82	66.3	29.1	386	3.74	6.4	1.0	6.2	5.0	28.5	0.13	0.37	0.41	17	0.41	0.047
1298622	Soil			0.82	44.01	28.92	83.6	32	42.2	30.9	982	4.42	24.2	0.8	2.4	5.4	11.9	0.05	0.53	0.53	26	0.12	0.019
1298623	Soil			0.88	37.49	22.32	73.8	15	38.0	16.9	535	4.09	10.5	1.3	2.0	5.7	13.8	0.05	0.42	0.36	31	0.17	0.018
1298624	Soil			1.16	45.44	29.66	102.6	97	40.4	17.2	551	4.56	15.5	0.7	2.2	5.6	31.4	0.13	0.53	0.40	25	0.52	0.054
1298625	Soil			0.97	20.51	19.78	68.5	20	25.0	13.4	272	4.00	11.1	0.4	0.5	2.8	10.0	0.11	0.32	0.33	31	0.12	0.018
1298626	Soil			1.14	49.86	36.64	93.9	159	46.3	26.8	973	5.06	15.2	0.7	2.2	5.7	21.6	0.13	0.60	0.34	32	0.48	0.036
1298627	Soil			1.28	43.58	30.93	87.6	90	42.8	20.5	648	4.74	14.4	0.7	1.8	5.7	21.8	0.08	0.49	0.38	29	0.29	0.043
1298628	Soil			3.96	6.93	2088	6430	38	4.6	3.2	2687	17.75	6.5	1.9	0.7	1.2	21.7	3.54	0.17	0.06	10	8.84	0.082
1298629	Soil			1.41	36.50	230.4	1541	521	23.0	11.3	1367	3.44	2064	0.7	1.3	0.6	148.4	3.47	49.32	0.18	20	10.00	0.041
1298630	Soil			2.17	40.56	145.3	255.5	923	20.9	22.0	2228	6.65	36.7	1.1	<0.2	2.7	31.5	0.97	6.99	0.19	14	8.26	0.031
1298631	Soil			1.08	16.89	65.88	334.7	512	10.6	6.2	938	1.78	138.0	0.6	0.6	1.0	66.0	1.60	30.62	0.06	11	18.56	0.059
1298632	Soil			1.20	17.47	394.5	1142	985	16.7	9.6	2992	4.37	44.1	0.6	0.7	1.1	47.7	8.28	41.71	0.12	20	6.61	0.035
1298633	Soil			1.18	17.96	64.15	152.9	272	12.9	10.2	1378	3.00	45.8	0.7	0.9	1.1	78.7	0.64	7.78	0.10	14	10.88	0.039
1303557	Soil			0.93	20.39	24.61	86.9	44	20.9	18.2	1493	3.76	6.9	0.8	0.7	2.1	5.5	0.11	0.46	0.36	37	0.06	0.046
1303558	Soil			0.85	10.82	29.63	89.2	27	12.8	10.2	627	3.77	7.6	0.6	0.4	3.1	5.2	0.08	0.44	0.35	39	0.09	0.036
1303559	Soil			1.39	33.18	77.36	102.0	53	34.3	24.4	727	4.00	19.7	1.9	1.4	3.9	33.0	0.07	0.26	0.52	23	0.11	0.021
1303560	Soil			0.79	47.95	52.87	125.0	68	38.6	22.2	1440	3.47	7.0	0.9	1.3	5.2	21.5	0.20	0.39	0.44	24	0.36	0.040
1303561	Soil			0.63	54.04	29.55	135.1	36	26.8	17.0	537	3.73	2.2	1.0	1.8	4.9	11.0	0.17	0.43	0.40	27	0.20	0.026
1303562	Soil			1.06	14.02	303.6	491.4	70	19.8	10.0	1306	2.79	7.2	0.8	4.3	1.9	26.1	1.12	0.36	0.18	29	4.69	0.113



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1298610	Soil	15.6	11.7	2.62	65.5	0.003	4	0.50	0.006	0.08	<0.1	5.1	0.18	<0.02	141	0.7	<0.02	1.4	
1298611	Soil	14.0	8.2	3.82	41.3	<0.001	3	0.27	0.008	0.09	<0.1	5.2	0.13	<0.02	166	0.8	<0.02	0.7	
1298612	Soil	17.5	29.1	0.83	110.5	0.006	4	1.35	0.003	0.12	<0.1	5.5	0.14	0.03	137	0.8	0.04	4.3	
1298613	Soil	15.7	29.6	0.61	119.8	0.006	2	1.65	<0.001	0.06	<0.1	4.0	0.12	<0.02	39	0.4	0.04	4.8	
1298614	Soil	25.4	45.8	1.83	95.7	0.006	4	2.32	<0.001	0.13	<0.1	6.4	0.13	<0.02	39	0.3	<0.02	7.7	
1298615	Soil	27.8	44.9	1.42	97.5	0.006	5	2.10	<0.001	0.17	<0.1	6.9	0.19	0.03	58	0.9	0.02	7.4	
1298616	Soil	21.5	60.9	2.78	91.0	0.008	6	2.47	<0.001	0.18	<0.1	10.1	0.21	<0.02	81	1.2	<0.02	7.3	
1298617	Soil	19.6	46.1	1.75	137.6	0.009	4	2.54	<0.001	0.12	<0.1	4.0	0.15	<0.02	28	0.3	<0.02	8.0	
1298618	Soil	19.9	37.9	1.24	230.5	0.009	3	1.89	0.003	0.10	<0.1	6.8	0.11	<0.02	33	0.7	<0.02	5.8	
1298619	Soil	18.8	41.1	1.20	262.5	0.005	3	1.78	0.003	0.10	<0.1	6.5	0.13	0.04	57	1.5	0.04	5.5	
1298620	Soil	24.3	35.0	1.40	102.0	0.005	6	1.71	0.002	0.15	<0.1	5.8	0.08	0.02	29	0.3	0.03	5.5	
1298621	Soil	3.5	40.2	1.10	64.6	0.002	3	1.71	<0.001	0.07	<0.1	6.8	0.10	0.02	32	0.4	0.03	5.8	
1298622	Soil	11.9	28.6	0.72	131.2	0.001	2	1.96	0.002	0.07	<0.1	7.0	0.11	<0.02	63	0.4	0.11	5.2	
1298623	Soil	12.6	30.0	0.63	128.1	0.003	2	1.82	0.003	0.07	<0.1	8.1	0.10	<0.02	69	0.3	0.03	5.1	
1298624	Soil	9.0	25.8	0.52	99.5	0.001	3	1.38	0.005	0.09	<0.1	7.7	0.11	<0.02	127	0.5	0.03	4.1	
1298625	Soil	6.7	21.0	0.32	63.1	0.002	1	1.49	0.001	0.06	<0.1	3.1	0.09	<0.02	25	<0.1	0.04	5.2	
1298626	Soil	12.5	28.1	0.66	191.2	0.001	2	1.88	0.002	0.10	<0.1	9.4	0.16	<0.02	158	0.4	0.06	4.6	
1298627	Soil	10.9	26.8	0.55	153.5	0.001	2	1.61	0.003	0.08	<0.1	6.8	0.12	<0.02	95	0.5	0.09	4.3	
1298628	Soil	5.1	6.7	4.67	58.9	0.002	2	0.33	0.012	0.04	<0.1	1.5	19.79	0.48	152	0.4	<0.02	1.6	
1298629	Soil	4.6	12.6	2.37	98.4	0.001	3	0.43	0.005	0.08	1.4	4.6	4.42	0.03	1807	0.6	0.08	1.5	
1298630	Soil	2.0	4.8	4.33	48.1	<0.001	3	0.17	0.008	0.10	<0.1	5.9	1.28	1.37	131	0.5	<0.02	0.5	
1298631	Soil	3.3	6.0	5.47	202.7	0.001	2	0.30	0.008	0.06	0.4	2.3	1.59	<0.02	340	0.4	<0.02	1.0	
1298632	Soil	6.9	9.2	3.65	127.2	0.003	3	0.34	0.007	0.04	0.2	4.7	0.88	0.03	806	0.4	<0.02	0.9	
1298633	Soil	4.5	6.2	4.22	84.2	0.001	3	0.24	0.006	0.06	0.2	3.1	0.58	<0.02	267	0.3	0.03	0.7	
1303557	Soil	5.0	30.5	0.29	83.8	0.004	<1	1.66	0.004	0.13	<0.1	3.2	0.20	<0.02	30	0.2	0.06	8.2	
1303558	Soil	4.7	25.6	0.20	64.1	0.004	1	1.46	0.005	0.13	0.1	3.0	0.18	<0.02	29	0.1	0.05	7.8	
1303559	Soil	6.2	32.9	0.58	108.5	0.002	1	2.02	0.005	0.13	<0.1	4.6	0.13	0.02	15	<0.1	<0.02	7.2	
1303560	Soil	9.3	26.0	0.55	127.1	0.007	2	1.38	0.006	0.16	<0.1	5.2	0.20	<0.02	31	0.1	<0.02	5.2	
1303561	Soil	6.3	23.2	0.25	210.2	0.005	4	1.22	0.003	0.26	<0.1	6.8	0.32	<0.02	25	<0.1	0.03	4.5	
1303562	Soil	8.3	19.4	2.47	115.7	0.006	4	1.23	0.007	0.14	0.1	3.4	0.31	0.04	84	0.4	0.04	3.4	

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303563	Soil			0.77	16.07	148.4	246.7	62	16.5	8.5	750	2.05	6.0	0.9	0.7	1.6	35.7	0.54	0.26	0.13	19	8.25	0.122
1303564	Soil			1.20	13.44	339.1	960.3	140	19.9	8.8	1398	3.59	9.3	0.9	1.6	2.2	23.3	2.12	0.45	0.17	34	4.56	0.079
1303565	Soil			1.43	7.09	1837	5148	111	8.4	4.7	3719	4.31	7.0	1.8	0.8	0.4	45.5	13.76	0.26	0.06	17	13.46	0.120
1303566	Soil			1.47	11.95	590.9	3846	173	21.1	8.9	1322	3.13	11.9	1.9	1.8	2.0	22.0	6.60	0.58	0.16	38	4.27	0.075
1303567	Soil			0.98	18.03	204.6	2267	127	23.5	10.7	877	2.83	8.8	1.2	1.6	1.9	37.5	3.24	0.46	0.19	33	3.95	0.082
1303568	Soil			0.88	21.68	133.4	1333	126	20.9	10.8	1095	2.77	8.0	1.1	1.0	1.9	40.0	1.41	0.45	0.17	28	4.60	0.083
1303569	Soil			0.70	22.96	125.5	232.0	43	20.0	12.0	1075	2.51	5.8	0.7	0.8	2.9	33.0	0.52	0.23	0.19	18	7.00	0.057
1303570	Soil			0.60	23.71	38.43	131.6	190	24.9	13.4	452	2.97	8.1	2.8	0.9	1.2	92.7	0.20	0.48	0.26	23	2.05	0.070
1303571	Soil			0.40	20.42	22.61	86.5	178	21.3	9.9	422	2.52	6.6	1.6	0.8	2.2	113.1	0.17	0.34	0.24	18	2.09	0.079
1303572	Soil			0.60	20.96	22.08	83.3	128	22.5	9.8	419	2.49	7.0	1.6	0.7	1.7	88.0	0.17	0.35	0.22	19	2.18	0.054
1303573	Soil			1.09	16.89	21.41	144.3	239	16.8	8.2	269	1.98	7.7	5.9	2.5	1.1	91.9	0.39	0.35	0.17	15	2.43	0.068
1303574	Soil			2.30	18.25	15.65	84.0	413	17.9	7.3	178	1.64	12.4	6.1	5.2	1.9	283.0	0.44	0.41	0.10	14	10.59	0.086
1303575	Soil			1.64	18.93	16.43	105.7	448	19.1	7.9	221	1.75	9.8	2.3	4.9	1.1	187.1	0.66	0.40	0.10	16	7.01	0.082
1303576	Soil			0.79	17.42	14.31	113.2	94	15.3	7.4	218	1.55	4.4	3.0	4.8	1.4	210.3	0.77	0.30	0.08	15	9.00	0.069
1303577	Soil			0.81	16.21	12.48	62.6	237	15.3	7.1	223	1.47	6.4	5.4	5.7	1.0	328.8	0.38	0.31	0.09	22	10.18	0.062
1303578	Soil			1.09	17.65	15.23	68.9	310	19.5	8.5	272	2.00	8.2	4.8	3.3	1.0	64.3	0.32	0.34	0.12	31	1.50	0.066
1303579	Soil			1.12	22.90	14.26	80.0	675	25.6	10.2	353	2.83	12.5	1.9	5.8	4.0	44.1	0.17	0.47	0.13	52	0.76	0.052
1303580	Soil			0.93	19.60	15.91	88.4	170	22.9	9.6	459	2.54	9.4	3.7	1.7	1.3	79.7	0.46	0.49	0.17	42	1.88	0.121
1303581	Soil			0.93	24.36	19.23	95.4	112	27.1	12.2	654	3.27	11.0	3.7	2.3	2.5	42.9	0.29	0.51	0.26	33	0.56	0.062
1303582	Soil			1.01	20.10	17.04	133.8	144	23.7	8.7	404	2.51	14.6	8.5	3.0	1.2	65.2	0.75	0.51	0.21	36	1.15	0.076
1303583	Soil			1.06	21.88	19.54	92.3	39	26.8	12.1	519	3.46	9.9	1.1	1.3	2.5	15.8	0.20	0.55	0.26	40	0.28	0.040
1303584	Soil			0.96	17.08	492.5	831.0	62	20.2	10.8	1035	2.74	6.2	0.7	0.7	2.1	66.0	2.31	0.22	0.18	12	6.87	0.050
1303585	Soil			0.93	15.10	412.4	766.5	70	17.8	9.1	884	2.52	5.9	0.8	0.3	1.7	38.5	2.40	0.22	0.16	11	6.41	0.047
1303586	Soil			2.50	10.63	669.6	6517	412	10.3	4.8	1621	5.51	15.4	1.7	0.9	1.1	103.9	17.25	1.09	0.07	7	12.94	0.067
1303587	Soil			0.51	1.28	128.1	791.3	38	1.8	1.2	731	0.81	2.6	0.5	0.4	0.1	63.1	4.23	0.17	<0.02	<2	15.33	0.033
1303588	Soil			1.07	2.09	754.1	1956	89	2.1	1.5	1152	2.03	6.2	0.7	<0.2	0.2	89.6	5.04	0.23	<0.02	<2	16.43	0.036
1303589	Soil			1.17	31.38	170.8	445.6	76	30.4	16.2	971	3.36	8.2	0.7	0.6	3.3	58.0	0.74	0.29	0.26	19	2.80	0.054
1303590	Soil			1.42	7.13	94.98	582.2	76	10.1	5.1	856	2.15	10.4	0.8	0.6	1.2	31.9	1.27	0.31	0.12	20	9.12	0.104
1303591	Soil			2.30	8.62	288.4	1500	132	16.2	6.7	3820	4.69	13.5	1.9	0.8	1.0	27.6	2.28	0.34	0.12	25	6.71	0.105
1303592	Soil			0.93	6.23	4142	3450	158	9.1	4.7	1825	3.45	5.8	1.1	0.5	0.5	30.7	8.27	0.25	0.08	14	10.74	0.108



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1303563	Soil	5.3	13.7	4.27	91.2	0.002	4	0.89	0.008	0.15	<0.1	3.0	0.29	0.04	70	0.2	0.02	2.4	
1303564	Soil	9.8	22.4	2.66	119.4	0.008	3	1.35	0.006	0.10	0.1	3.7	1.38	0.03	73	0.3	0.04	3.6	
1303565	Soil	5.7	10.3	7.07	43.9	0.005	4	0.66	0.013	0.04	<0.1	1.1	1.29	0.04	86	0.6	0.04	1.8	
1303566	Soil	11.2	22.3	2.57	117.8	0.014	3	1.28	0.012	0.07	0.2	3.2	0.63	0.03	94	0.5	0.05	3.7	
1303567	Soil	10.2	21.8	2.15	112.7	0.007	4	1.30	0.008	0.10	<0.1	3.4	0.88	0.04	71	0.4	0.03	3.5	
1303568	Soil	9.1	18.4	2.40	132.5	0.004	4	1.15	0.007	0.10	<0.1	3.7	0.34	0.04	78	0.5	0.02	3.3	
1303569	Soil	5.8	15.5	3.89	115.2	0.003	3	0.94	0.007	0.12	<0.1	3.6	0.27	0.02	40	0.2	<0.02	2.9	
1303570	Soil	7.8	18.1	0.32	129.5	0.002	4	1.16	0.004	0.09	<0.1	3.8	0.15	0.08	87	0.6	0.04	3.2	
1303571	Soil	7.8	14.9	0.18	102.0	<0.001	4	0.74	0.003	0.09	<0.1	4.3	0.13	0.06	77	0.5	0.03	2.1	
1303572	Soil	6.9	15.9	0.18	94.5	<0.001	4	0.82	0.003	0.07	<0.1	3.5	0.12	0.07	67	0.5	<0.02	2.2	
1303573	Soil	9.2	12.3	0.33	92.6	0.001	4	0.73	0.004	0.09	<0.1	2.6	0.17	0.09	125	0.7	0.05	2.1	
1303574	Soil	13.6	10.4	2.02	55.9	0.001	4	0.73	0.007	0.14	<0.1	2.9	0.22	0.04	124	0.7	<0.02	1.7	
1303575	Soil	14.8	14.1	1.55	85.6	0.002	5	0.86	0.005	0.17	<0.1	2.4	0.28	0.07	122	0.7	<0.02	2.3	
1303576	Soil	12.3	13.4	2.41	57.4	0.002	5	0.79	0.007	0.19	<0.1	2.3	0.16	0.06	63	0.7	<0.02	2.2	
1303577	Soil	13.0	17.5	1.34	68.3	0.003	6	0.91	0.004	0.17	<0.1	2.0	0.12	0.06	75	0.8	<0.02	2.8	
1303578	Soil	20.4	25.8	0.83	195.5	0.004	7	1.22	0.002	0.20	<0.1	2.5	0.17	0.08	147	0.8	<0.02	3.9	
1303579	Soil	21.9	41.4	2.08	125.3	0.008	6	2.16	0.002	0.21	<0.1	7.5	0.20	0.04	180	1.1	<0.02	6.5	
1303580	Soil	14.7	29.1	0.63	200.7	0.005	2	1.77	0.002	0.11	<0.1	2.5	0.15	0.08	65	0.7	0.02	5.3	
1303581	Soil	16.3	23.1	0.52	158.7	0.005	3	1.44	0.002	0.10	<0.1	4.4	0.12	0.03	80	0.2	0.03	3.9	
1303582	Soil	15.4	27.7	0.81	142.9	0.006	2	1.50	0.001	0.09	<0.1	3.2	0.13	0.06	89	0.4	0.04	4.6	
1303583	Soil	9.9	24.2	0.54	173.8	0.004	3	1.75	<0.001	0.11	<0.1	3.3	0.14	<0.02	26	0.1	0.03	5.1	
1303584	Soil	5.4	13.5	3.44	87.5	0.003	4	0.78	0.006	0.11	<0.1	3.5	0.46	0.09	82	0.1	0.03	2.0	
1303585	Soil	4.9	12.0	3.55	65.8	0.003	3	0.72	0.005	0.11	<0.1	3.1	0.44	0.06	93	0.1	0.03	1.9	
1303586	Soil	3.6	6.4	7.58	38.7	0.003	2	0.35	0.009	0.06	<0.1	1.7	3.75	0.18	465	0.5	<0.02	1.3	
1303587	Soil	0.7	1.9	9.08	11.7	0.001	1	0.08	0.006	0.01	<0.1	0.3	0.76	0.03	137	0.3	<0.02	0.3	
1303588	Soil	1.3	1.6	9.88	18.1	0.001	1	0.07	0.007	0.02	<0.1	0.4	2.34	0.10	135	0.2	<0.02	0.4	
1303589	Soil	6.7	19.0	1.49	130.1	0.004	4	1.11	0.004	0.15	<0.1	5.1	0.33	0.04	38	0.1	<0.02	3.2	
1303590	Soil	8.4	12.5	4.91	68.0	0.005	3	0.78	0.009	0.07	<0.1	3.0	0.49	0.03	77	0.3	0.05	1.9	
1303591	Soil	8.2	15.9	3.65	108.9	0.007	4	1.19	0.005	0.06	<0.1	2.5	0.62	0.04	185	0.5	0.04	2.8	
1303592	Soil	4.1	8.9	6.20	36.8	0.006	3	0.73	0.008	0.04	<0.1	1.3	0.48	0.04	128	0.3	<0.02	1.8	

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303593	Soil	1.30	9.46	562.1	1011	88	14.7	6.9	1907	3.05	9.3	0.9	0.3	0.5	17.5	3.16	0.39	0.16	32	3.79	0.139
1303594	Soil	0.67	4.40	78.33	578.9	37	4.9	2.9	2065	2.22	7.2	1.3	<0.2	0.3	39.2	1.34	0.15	0.05	8	13.19	0.130
1303595	Soil	0.73	14.63	53.55	150.1	100	23.6	10.3	1089	2.71	8.5	1.1	0.9	2.1	13.4	0.54	0.33	0.20	26	2.31	0.146
1303596	Soil	2.05	30.63	39.33	99.7	48	24.7	30.4	3213	3.56	15.5	0.7	0.7	2.2	6.5	0.12	0.34	0.36	26	0.06	0.061
1303597	Soil	0.72	16.01	34.92	148.0	62	20.0	14.4	3598	3.28	8.7	0.7	0.6	0.8	10.6	0.28	0.36	0.30	24	0.24	0.079
1303598	Soil	0.58	30.25	30.54	92.7	51	31.7	23.4	1665	3.62	7.4	1.0	2.6	3.5	10.5	0.05	0.28	0.33	27	0.07	0.037
1303599	Soil	0.90	30.18	66.05	92.5	83	26.6	27.3	2959	4.00	9.4	0.8	1.2	3.2	5.5	0.10	0.35	0.38	29	0.03	0.057
1303600	Soil	1.34	17.17	45.52	115.7	81	17.7	18.8	1860	3.88	11.2	0.6	1.5	3.3	5.5	0.29	0.48	0.41	42	0.03	0.038
1303601	Soil	0.93	18.59	18.50	77.3	23	11.1	8.8	439	3.51	4.4	0.5	1.3	3.4	4.6	0.13	0.42	0.32	38	0.02	0.029
1303602	Soil	0.54	5.84	29.08	63.9	16	12.0	19.8	2018	3.23	4.9	0.5	0.4	3.9	3.8	0.07	0.31	0.35	24	0.01	0.022
1303603	Soil	0.90	21.39	27.75	103.4	34	17.2	8.9	463	3.29	5.5	0.6	0.9	3.7	4.6	0.20	0.47	0.30	36	0.03	0.027
1303604	Soil	0.99	8.65	51.26	252.4	32	17.6	7.3	782	2.93	10.7	1.4	1.0	2.0	17.1	0.48	0.43	0.23	49	1.50	0.237
1303605	Soil	0.86	10.40	31.74	283.0	78	18.4	7.3	1722	3.10	9.2	1.4	0.6	1.0	11.2	0.55	0.42	0.22	47	1.35	0.097
1303606	Soil	0.40	2.85	54.82	500.9	101	4.4	2.3	1171	1.29	4.2	0.6	<0.2	0.4	43.3	1.34	0.14	0.03	7	13.32	0.058
1303607	Soil	1.72	9.21	2141	>10000	121	6.1	3.9	2137	16.21	10.4	2.0	0.3	1.0	31.7	85.52	0.18	0.04	5	9.51	0.067
1303608	Soil	0.66	23.97	179.6	455.3	79	21.8	10.8	733	2.67	6.5	0.9	1.3	2.0	23.9	1.11	0.27	0.22	18	3.46	0.070
1303609	Soil	0.35	34.26	13.98	120.7	119	24.3	10.3	426	2.42	8.1	4.2	5.4	1.2	53.6	0.45	0.26	0.17	32	1.31	0.080
1303610	Soil	0.68	43.28	17.37	106.1	148	23.0	11.6	516	2.90	11.1	4.8	3.7	1.0	57.2	0.34	0.48	0.21	34	1.30	0.102
1303611	Soil	0.65	33.23	16.77	115.7	195	24.3	11.9	397	2.87	12.9	4.4	5.3	1.1	63.4	0.34	0.48	0.18	33	1.53	0.080
1303612	Soil	0.71	34.96	17.38	111.1	197	26.3	11.7	425	3.08	10.2	3.9	4.3	1.2	61.1	0.29	0.50	0.19	36	1.15	0.085



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Project: CAR
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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303593	Soil	7.7	19.9	2.04	117.5	0.008	3	1.39	0.004	0.05	0.1	1.7	0.34	0.06	85	0.4	0.03	3.7	
1303594	Soil	4.9	5.8	7.59	53.9	0.002	3	0.33	0.012	0.05	<0.1	0.7	0.48	0.05	112	0.3	0.03	0.9	
1303595	Soil	10.6	21.1	1.49	121.6	0.005	3	1.47	0.004	0.11	<0.1	3.9	0.16	0.03	51	0.3	0.03	3.9	
1303596	Soil	4.6	26.4	0.34	133.6	0.005	2	1.55	0.003	0.13	0.1	3.8	0.19	<0.02	26	0.2	0.04	6.4	
1303597	Soil	5.5	21.6	0.27	261.8	0.007	3	1.27	0.002	0.12	0.1	1.8	0.14	0.05	30	0.1	0.03	4.9	
1303598	Soil	4.0	30.1	0.53	355.2	0.006	2	1.66	0.004	0.13	0.2	6.9	0.14	<0.02	27	0.1	0.02	6.2	
1303599	Soil	4.8	32.0	0.43	106.0	0.005	1	1.92	0.003	0.13	0.1	4.8	0.17	0.03	33	0.3	<0.02	7.4	
1303600	Soil	7.4	26.3	0.26	93.0	0.010	1	1.47	0.002	0.12	0.2	3.4	0.18	<0.02	20	0.2	0.03	7.1	
1303601	Soil	6.1	21.2	0.13	78.9	0.008	2	1.32	0.001	0.17	<0.1	3.1	0.20	<0.02	25	0.1	0.04	7.2	
1303602	Soil	3.6	23.0	0.12	84.5	0.013	4	0.80	0.002	0.19	0.2	3.8	0.18	<0.02	33	<0.1	0.04	3.2	
1303603	Soil	5.9	22.9	0.22	63.7	0.008	2	1.51	<0.001	0.13	0.1	3.0	0.18	<0.02	29	0.1	0.03	5.4	
1303604	Soil	10.5	27.9	0.70	139.8	0.014	2	1.81	0.004	0.07	0.2	3.3	0.24	0.03	36	<0.1	0.04	5.4	
1303605	Soil	9.7	26.6	0.83	189.7	0.011	2	1.82	0.003	0.05	0.1	2.9	0.30	0.05	49	0.3	0.05	5.5	
1303606	Soil	2.2	4.6	7.76	32.9	0.004	2	0.27	0.007	0.03	<0.1	0.8	0.21	<0.02	68	0.2	<0.02	0.8	
1303607	Soil	4.1	4.8	5.52	28.7	0.003	2	0.30	0.003	0.05	<0.1	1.4	14.43	0.60	341	1.4	0.02	1.6	4.66
1303608	Soil	5.9	17.4	2.00	128.6	0.004	4	1.00	0.004	0.11	<0.1	3.9	0.30	0.04	55	0.1	0.02	3.1	
1303609	Soil	20.7	32.6	1.47	163.4	0.006	5	1.67	0.002	0.10	<0.1	3.6	0.14	0.08	51	0.6	0.02	5.3	
1303610	Soil	15.5	25.6	0.76	224.7	0.005	4	1.63	0.002	0.10	<0.1	4.0	0.15	0.09	80	0.7	0.04	4.7	
1303611	Soil	14.0	26.1	1.02	156.4	0.005	6	1.53	0.002	0.13	<0.1	3.9	0.17	0.09	122	0.6	0.03	4.6	
1303612	Soil	15.6	28.9	1.11	206.6	0.004	6	1.71	0.003	0.14	<0.1	3.8	0.15	0.08	95	0.6	0.02	5.1	



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QUALITY CONTROL REPORT

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1298539	Soil	1.09	24.43	17.17	106.0	175	46.0	13.6	768	3.23	9.5	1.5	2.4	3.1	23.1	0.18	0.64	0.22	41	0.32	0.068
REP 1298539	QC	1.16	26.33	18.31	113.6	190	50.1	14.4	801	3.32	10.3	1.6	2.9	3.4	24.9	0.21	0.71	0.23	43	0.35	0.075
1298548	Soil	0.61	16.69	14.31	73.1	44	26.5	9.6	402	2.88	4.4	1.7	2.7	4.1	33.2	0.20	0.35	0.20	40	0.75	0.042
REP 1298548	QC	0.59	16.79	14.60	73.6	43	26.8	9.6	384	2.90	4.7	1.7	5.3	4.1	33.9	0.19	0.35	0.19	40	0.76	0.040
1300072	Soil	0.66	35.61	33.42	166.8	145	30.8	13.7	518	3.11	8.4	2.8	2.0	3.5	47.6	0.44	0.64	0.23	27	1.47	0.073
REP 1300072	QC	0.69	34.45	34.00	169.1	144	29.9	13.7	536	3.10	8.2	2.7	1.5	3.6	48.8	0.45	0.63	0.24	26	1.47	0.075
1300081	Soil	1.28	22.22	22.88	63.6	503	25.8	10.1	345	2.29	12.4	3.4	5.6	2.3	60.6	0.29	0.68	0.20	32	1.38	0.074
REP 1300081	QC	1.23	20.57	21.67	60.3	489	23.4	9.3	330	2.29	11.9	3.1	5.9	2.1	57.2	0.26	0.67	0.18	31	1.31	0.073
1300108	Soil	1.27	13.22	48.20	45.6	49	16.1	7.3	4545	4.74	8.6	2.1	0.9	1.1	40.0	0.34	0.22	0.13	18	10.28	0.091
REP 1300108	QC	1.30	12.73	48.80	43.5	48	15.7	7.3	4481	4.63	8.7	2.1	0.6	1.1	39.7	0.34	0.21	0.13	18	10.10	0.085
1300117	Soil	0.92	24.96	29.27	72.2	42	22.4	27.1	2289	3.94	4.8	0.9	0.6	3.7	6.6	0.09	0.43	0.37	28	0.05	0.055
REP 1300117	QC	0.95	25.81	29.48	74.5	41	22.1	26.5	2229	3.85	4.7	0.9	0.8	3.6	6.3	0.08	0.43	0.38	27	0.05	0.054
1300144	Soil	0.81	34.67	18.36	78.9	149	30.4	13.5	406	3.09	11.6	1.2	12.0	4.6	66.1	0.14	0.47	0.21	34	2.70	0.051
REP 1300144	QC	0.80	34.37	18.11	79.8	144	30.0	13.2	399	3.06	11.7	1.2	12.5	4.3	66.0	0.12	0.46	0.19	33	2.65	0.051
1300153	Soil	0.57	29.40	22.46	76.8	85	32.2	17.5	1066	3.07	11.1	1.5	1.5	3.7	71.0	0.16	0.40	0.26	18	1.52	0.047
REP 1300153	QC	0.57	31.73	24.03	88.2	90	33.8	18.4	1090	3.23	11.7	1.5	1.1	4.1	72.5	0.14	0.44	0.25	19	1.65	0.051
1300180	Soil	1.21	29.67	19.13	69.6	34	31.8	15.4	561	4.06	11.9	0.6	1.7	3.8	10.3	0.06	0.55	0.31	38	0.11	0.025
REP 1300180	QC	1.20	29.22	18.55	71.8	32	32.4	15.6	553	4.10	11.5	0.6	1.5	3.7	10.4	0.06	0.52	0.31	39	0.11	0.022
1300189	Soil	1.43	11.74	439.6	755.8	137	15.4	6.4	1780	2.30	10.1	1.0	1.0	0.6	34.5	1.56	0.70	0.14	31	6.63	0.151
REP 1300189	QC	1.52	12.13	468.3	788.3	146	16.2	6.9	1787	2.33	10.3	1.0	0.7	0.6	37.8	1.65	0.73	0.15	31	6.74	0.152
1300216	Soil	0.92	66.48	262.5	1945	342	40.2	27.3	955	5.42	41.3	0.8	2.1	1.6	39.5	6.37	2.48	0.35	31	0.81	0.061
REP 1300216	QC	0.96	69.90	278.8	2010	353	41.8	27.5	967	5.80	43.9	0.8	2.7	1.7	39.8	6.73	2.75	0.36	34	0.84	0.061
1300225	Soil	0.58	6.08	72.46	178.9	213	4.6	2.9	1633	1.48	24.6	0.7	1.5	0.4	55.9	1.43	11.77	0.05	11	12.37	0.104
REP 1300225	QC	0.56	5.93	73.41	168.9	188	4.2	2.7	1668	1.47	24.0	0.6	<0.2	0.3	56.0	1.61	10.88	0.04	9	12.81	0.104
1298612	Soil	1.03	25.87	20.93	89.6	399	28.0	11.9	614	2.94	11.3	3.2	4.5	3.5	37.6	0.20	0.39	0.21	31	0.66	0.065
REP 1298612	QC	1.04	25.84	20.84	88.5	378	28.6	12.2	627	2.92	11.8	3.2	4.7	3.4	38.2	0.17	0.40	0.21	31	0.66	0.068
1298621	Soil	0.87	49.34	27.28	118.3	82	66.3	29.1	386	3.74	6.4	1.0	6.2	5.0	28.5	0.13	0.37	0.41	17	0.41	0.047
REP 1298621	QC	0.87	49.10	26.86	118.1	76	66.0	28.5	382	3.68	6.4	0.9	7.6	4.9	28.8	0.15	0.37	0.40	17	0.40	0.046

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn		
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01		
Pulp Duplicates																				
1298539	Soil	13.8	26.3	0.52	158.7	0.010	2	1.85	0.004	0.11	0.1	5.1	0.18	<0.02	89	0.6	0.04	4.7		
REP 1298539	QC	15.1	27.5	0.54	175.2	0.010	3	1.89	0.004	0.11	0.1	5.6	0.18	<0.02	93	0.6	0.05	5.1		
1298548	Soil	23.2	36.6	1.16	476.5	0.007	4	2.23	0.002	0.13	<0.1	7.6	0.16	0.03	42	0.6	0.02	6.7		
REP 1298548	QC	23.9	36.0	1.17	488.0	0.007	3	2.22	0.002	0.13	<0.1	7.8	0.17	0.03	48	0.6	0.02	6.7		
1300072	Soil	11.6	21.4	0.81	125.7	0.004	7	1.43	0.006	0.18	<0.1	4.7	0.17	0.05	117	1.0	0.02	4.1		
REP 1300072	QC	11.3	22.2	0.80	128.8	0.004	8	1.39	0.005	0.18	<0.1	4.7	0.17	0.05	105	0.8	0.03	4.0		
1300081	Soil	27.0	22.7	0.50	146.5	0.013	2	1.05	0.006	0.09	0.2	4.3	0.17	0.05	150	1.0	<0.02	3.3		
REP 1300081	QC	25.8	21.9	0.49	139.7	0.013	3	1.01	0.006	0.08	0.1	4.0	0.16	0.05	126	1.0	0.03	2.9		
1300108	Soil	15.7	11.2	5.08	68.8	0.002	4	0.88	0.010	0.06	<0.1	2.9	0.44	0.05	51	0.5	0.05	1.9		
REP 1300108	QC	15.6	10.9	5.08	66.5	0.002	3	0.85	0.009	0.06	<0.1	2.8	0.42	0.04	48	0.5	0.06	1.8		
1300117	Soil	3.8	20.9	0.25	125.0	0.008	3	1.41	0.006	0.18	<0.1	9.4	0.20	0.02	36	0.3	0.08	4.3		
REP 1300117	QC	3.6	20.6	0.25	119.7	0.008	2	1.39	0.006	0.18	<0.1	9.4	0.20	0.02	39	0.3	0.07	4.6		
1300144	Soil	16.5	28.9	1.73	100.0	0.006	5	1.74	0.004	0.17	<0.1	5.9	0.15	0.03	71	0.4	0.02	5.1		
REP 1300144	QC	15.2	28.9	1.70	94.8	0.005	5	1.71	0.004	0.16	<0.1	5.8	0.14	0.03	83	0.3	0.03	5.0		
1300153	Soil	7.7	16.6	0.54	83.5	0.002	4	1.02	0.005	0.07	<0.1	5.8	0.09	0.05	81	0.4	0.05	3.0		
REP 1300153	QC	8.7	17.2	0.55	87.8	0.004	7	1.03	0.005	0.08	<0.1	6.5	0.10	0.05	101	0.4	0.05	3.2		
1300180	Soil	9.3	24.8	0.50	103.8	0.005	2	1.77	0.001	0.05	<0.1	5.1	0.13	<0.02	64	0.5	0.06	5.2		
REP 1300180	QC	9.0	24.5	0.50	101.5	0.005	1	1.82	0.001	0.05	<0.1	4.8	0.13	<0.02	61	0.4	0.06	5.1		
1300189	Soil	10.0	16.8	3.62	85.3	0.008	3	1.23	0.006	0.07	0.1	1.9	0.43	0.06	85	0.5	0.02	2.8		
REP 1300189	QC	10.5	17.8	3.77	87.8	0.008	4	1.25	0.006	0.07	0.1	2.0	0.45	0.06	90	0.5	0.03	3.0		
1300216	Soil	4.8	22.7	0.15	116.9	0.002	4	0.67	0.002	0.10	<0.1	10.1	0.80	0.05	1314	0.7	<0.02	3.8		
REP 1300216	QC	5.2	23.9	0.15	115.6	0.003	5	0.73	0.002	0.12	<0.1	10.9	0.90	0.05	1283	0.9	0.06	4.1		
1300225	Soil	4.9	5.1	7.62	139.6	0.006	2	0.33	0.010	0.03	<0.1	1.1	0.14	<0.02	196	0.3	<0.02	0.7		
REP 1300225	QC	4.3	4.5	7.84	126.7	0.005	<1	0.29	0.009	0.02	<0.1	0.9	0.11	<0.02	178	0.3	0.04	0.7		
1298612	Soil	17.5	29.1	0.83	110.5	0.006	4	1.35	0.003	0.12	<0.1	5.5	0.14	0.03	137	0.8	0.04	4.3		
REP 1298612	QC	17.5	29.4	0.84	106.8	0.006	3	1.33	0.003	0.12	<0.1	5.5	0.14	0.03	152	0.8	0.05	4.4		
1298621	Soil	3.5	40.2	1.10	64.6	0.002	3	1.71	<0.001	0.07	<0.1	6.8	0.10	0.02	32	0.4	0.03	5.8		
REP 1298621	QC	3.6	39.2	1.10	65.1	0.002	3	1.69	<0.001	0.07	<0.1	6.6	0.10	0.02	40	0.3	<0.02	5.6		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.

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650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Project: CAR
Report Date: August 13, 2012

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI12000252.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
1303571	Soil	0.40	20.42	22.61	86.5	178	21.3	9.9	422	2.52	6.6	1.6	0.8	2.2	113.1	0.17	0.34	0.24	18	2.09	0.079
REP 1303571	QC	0.41	20.33	22.38	88.7	183	21.7	10.1	422	2.51	6.7	1.6	1.1	2.2	112.8	0.20	0.34	0.23	18	2.09	0.082
1303580	Soil	0.93	19.60	15.91	88.4	170	22.9	9.6	459	2.54	9.4	3.7	1.7	1.3	79.7	0.46	0.49	0.17	42	1.88	0.121
REP 1303580	QC	0.93	20.05	16.31	89.7	175	23.6	10.1	474	2.53	9.6	3.8	1.7	1.1	80.5	0.49	0.51	0.18	42	1.87	0.121
1303607	Soil	1.72	9.21	2141	>10000	121	6.1	3.9	2137	16.21	10.4	2.0	0.3	1.0	31.7	85.52	0.18	0.04	5	9.51	0.067
REP 1303607	QC	1.79	9.20	2083	>10000	116	6.4	4.1	2108	16.10	10.3	2.0	0.3	0.9	32.3	84.96	0.19	0.04	5	9.44	0.064
1303612	Soil	0.71	34.96	17.38	111.1	197	26.3	11.7	425	3.08	10.2	3.9	4.3	1.2	61.1	0.29	0.50	0.19	36	1.15	0.085
REP 1303612	QC	0.68	34.75	16.76	109.8	191	27.1	11.4	431	3.10	10.1	3.8	4.6	1.2	60.4	0.31	0.48	0.19	36	1.16	0.084
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard	13.49	103.5	129.6	310.5	1958	41.5	7.9	610	2.33	24.6	2.6	144.0	6.1	71.9	2.18	5.41	5.96	40	0.75	0.085
STD DS9	Standard	14.01	105.0	124.2	318.7	1898	39.2	7.0	586	2.26	22.9	2.3	116.7	5.6	71.8	2.08	5.06	5.93	39	0.73	0.076
STD DS9	Standard	13.20	109.4	122.1	340.7	1914	39.3	6.9	587	2.33	23.0	2.2	124.4	5.6	72.2	2.07	5.07	5.73	40	0.75	0.074
STD DS9	Standard	12.94	97.55	114.6	306.5	1854	40.4	7.7	583	2.24	25.6	2.4	112.8	5.9	64.9	2.46	4.96	5.81	39	0.72	0.082
STD DS9	Standard	12.93	106.5	122.8	342.0	1904	40.3	7.0	582	2.30	24.2	2.4	119.5	5.6	72.2	2.18	5.29	5.97	40	0.74	0.079
STD DS9	Standard	12.91	98.23	123.1	303.1	1934	38.6	7.7	577	2.26	23.5	2.5	126.6	5.7	72.7	2.19	4.56	6.24	39	0.72	0.084
STD DS9	Standard	12.23	109.4	121.1	311.6	1889	39.3	7.5	588	2.28	26.5	2.7	109.9	6.3	73.5	2.52	6.02	7.13	38	0.71	0.082
STD DS9	Standard	13.76	101.6	130.4	307.8	1909	40.2	7.6	593	2.29	24.6	2.6	121.4	5.9	66.6	2.27	5.13	6.00	40	0.75	0.079
STD DS9	Standard	13.61	109.2	134.2	304.7	1865	40.5	8.2	592	2.30	24.9	3.1	113.8	7.3	83.7	2.38	6.44	7.67	39	0.76	0.088
STD DS9	Standard	13.38	96.61	116.9	303.3	1884	40.9	7.8	573	2.27	25.5	2.3	131.1	5.6	61.3	2.36	5.09	5.64	37	0.70	0.078
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.05	0.4	3	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.01	<0.001
BLK	Blank	<0.01	<0.01	0.17	0.3	<2	<0.1	<0.1	3	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.02	<0.001



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Project: CAR
 Report Date: August 13, 2012

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QUALITY CONTROL REPORT

WHI12000252.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	7TD Zn %	
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1303571	Soil	7.8	14.9	0.18	102.0	<0.001	4	0.74	0.003	0.09	<0.1	4.3	0.13	0.06	77	0.5	0.03	2.1		
REP 1303571	QC	7.6	14.7	0.18	101.9	0.001	4	0.72	0.003	0.09	<0.1	4.2	0.12	0.06	73	0.5	0.07	2.0		
1303580	Soil	14.7	29.1	0.63	200.7	0.005	2	1.77	0.002	0.11	<0.1	2.5	0.15	0.08	65	0.7	0.02	5.3		
REP 1303580	QC	15.2	28.9	0.62	207.9	0.005	3	1.77	0.002	0.11	<0.1	2.7	0.15	0.08	75	0.7	0.03	5.4		
1303607	Soil	4.1	4.8	5.52	28.7	0.003	2	0.30	0.003	0.05	<0.1	1.4	14.43	0.60	341	1.4	0.02	1.6	4.66	
REP 1303607	QC	4.0	4.8	5.43	28.3	0.003	2	0.29	0.003	0.05	<0.1	1.5	14.02	0.60	346	1.2	<0.02	1.7		
1303612	Soil	15.6	28.9	1.11	206.6	0.004	6	1.71	0.003	0.14	<0.1	3.8	0.15	0.08	95	0.6	0.02	5.1		
REP 1303612	QC	15.3	29.0	1.12	204.6	0.004	6	1.72	0.003	0.14	<0.1	3.7	0.14	0.08	103	0.7	0.03	4.9		
Reference Materials																				
STD CDN-ME-9	Standard																			0.01
STD CDN-ME-14	Standard																			3.43
STD DS9	Standard	13.8	125.1	0.61	321.9	0.114	3	0.99	0.097	0.41	3.2	2.7	5.87	0.16	202	5.5	5.40	5.0		
STD DS9	Standard	12.2	117.9	0.61	307.6	0.112	2	0.98	0.088	0.40	3.1	2.6	5.60	0.16	209	5.4	5.28	4.9		
STD DS9	Standard	11.8	114.7	0.64	312.5	0.108	2	0.99	0.088	0.41	3.2	2.7	5.66	0.16	214	5.4	5.38	4.8		
STD DS9	Standard	11.7	115.3	0.61	295.0	0.102	3	1.00	0.104	0.41	3.1	2.6	5.56	0.15	221	5.4	5.04	4.6		
STD DS9	Standard	12.3	116.3	0.62	317.4	0.114	3	1.01	0.092	0.41	3.1	2.9	5.62	0.16	213	5.6	5.20	5.1		
STD DS9	Standard	12.7	114.3	0.61	295.6	0.100	3	0.96	0.086	0.39	2.8	2.5	5.65	0.16	234	5.4	5.17	4.9		
STD DS9	Standard	13.8	111.2	0.60	301.0	0.112	4	1.05	0.074	0.44	2.9	2.2	5.42	0.15	248	5.1	4.95	4.5		
STD DS9	Standard	13.9	118.2	0.62	290.4	0.107	2	0.99	0.091	0.40	2.9	2.6	5.65	0.16	215	5.3	5.45	4.7		
STD DS9	Standard	16.0	121.1	0.62	311.5	0.123	3	1.02	0.101	0.41	3.1	2.4	5.65	0.16	218	5.3	4.87	5.0		
STD DS9	Standard	11.5	117.9	0.60	296.4	0.105	2	0.93	0.081	0.39	3.2	2.4	5.69	0.16	219	5.6	5.40	4.7		
STD CDN-ME-9 Expected																				0.0125
STD CDN-ME-14 Expected																				3.1
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		



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Project: CAR
 Report Date: August 13, 2012

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QUALITY CONTROL REPORT

WHI12000252.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
BLK	Blank	<0.01	0.06	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.04	<0.1	6	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

WHI12000252.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.01
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 10, 2012
Report Date: August 15, 2012
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI12000254.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-2
P.O. Number
Number of Samples: 299

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	297	Dry at 60C			WHI
SS80	297	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	296	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	297	Saving all or part of Soil Reject			WHI
7TD	2	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000254.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303613	Soil			0.80	29.91	16.04	87.2	143	27.6	10.5	313	3.07	10.1	2.5	5.7	2.1	41.0	0.25	0.54	0.20	35	0.90	0.052
1303614	Soil			0.68	28.91	11.62	99.6	200	18.3	7.9	370	2.07	7.7	11.9	7.8	0.6	95.9	0.46	0.37	0.15	31	2.50	0.102
1303615	Soil			0.75	28.78	16.05	85.0	251	22.8	9.7	220	2.31	9.6	5.9	11.6	1.2	47.5	0.34	0.41	0.22	29	1.69	0.082
1303616	Soil			0.86	25.23	13.67	63.8	568	21.1	8.9	183	2.22	12.6	3.4	9.7	3.4	40.9	0.23	0.33	0.16	28	1.06	0.136
1303617	Soil			1.24	25.02	18.46	91.3	801	20.6	10.1	360	2.13	13.7	9.0	14.3	1.5	61.1	0.29	0.37	0.17	24	1.47	0.112
1303618	Soil			1.69	22.07	22.07	118.6	184	21.8	13.9	782	2.99	12.5	6.4	2.9	1.7	35.9	0.37	0.36	0.22	27	0.78	0.098
1303619	Soil			1.01	35.45	23.14	114.8	95	38.7	16.6	776	3.93	11.7	1.0	1.6	4.2	17.5	0.39	0.63	0.22	39	0.22	0.089
1303620	Soil			0.63	19.82	26.68	136.1	252	25.4	12.5	240	2.57	8.8	1.8	1.0	1.6	50.7	0.18	0.28	0.22	35	1.05	0.316
1303621	Soil			1.26	37.30	25.75	111.7	48	36.1	18.0	1025	4.48	12.2	0.8	1.6	4.9	7.0	0.41	0.75	0.23	42	0.10	0.066
1303622	Soil			1.90	10.30	57.56	195.2	77	20.5	8.0	1725	3.77	11.2	1.6	3.5	1.4	12.1	0.44	0.56	0.21	55	0.65	0.094
1303623	Soil			1.81	11.60	44.66	345.6	64	21.7	8.9	1808	3.98	13.4	1.8	0.4	0.9	11.0	1.21	0.58	0.25	59	0.54	0.097
1303624	Soil			1.35	15.26	40.67	156.5	71	19.4	12.5	1706	3.47	10.4	1.5	1.2	1.1	18.5	0.52	0.53	0.24	50	0.79	0.111
1303625	Soil			1.24	23.68	63.45	270.4	41	31.4	14.5	1185	4.20	15.6	1.1	0.9	3.4	14.3	0.75	0.63	0.23	38	0.99	0.076
1303626	Soil			1.84	7.22	61.75	954.6	111	9.2	4.1	2340	3.59	9.0	2.3	0.4	0.7	36.5	3.10	0.24	0.05	13	12.76	0.112
1303627	Soil			1.44	22.22	109.3	758.1	173	22.4	10.4	1605	3.61	11.1	2.4	0.7	1.0	20.4	1.70	0.47	0.17	33	1.79	0.127
1303628	Soil			1.24	24.91	101.6	848.2	146	23.8	10.7	1436	3.57	10.8	1.6	1.3	1.1	23.8	2.00	0.55	0.18	34	1.38	0.098
1303629	Soil			1.02	23.14	69.60	451.8	138	22.1	11.0	1302	3.21	8.5	1.1	1.8	1.8	36.4	1.42	0.46	0.14	30	5.34	0.085
1303630	Soil			0.81	18.98	46.00	491.1	124	20.8	9.2	808	2.90	8.1	0.9	1.1	1.5	32.9	0.89	0.43	0.15	29	4.52	0.080
1303631	Soil			0.78	15.73	632.1	751.5	73	16.3	7.8	626	2.35	5.4	0.8	0.9	2.2	27.4	1.75	0.23	0.11	20	7.95	0.061
1303632	Soil			0.83	15.43	821.3	1319	130	17.8	8.6	846	2.45	8.1	0.8	1.7	1.2	26.9	1.42	0.40	0.13	27	6.45	0.109
1303633	Soil			0.42	13.74	22.63	49.9	12	15.5	9.0	346	2.12	3.7	0.4	0.3	3.1	5.6	0.06	0.28	0.29	19	0.15	0.012
1303634	Soil			1.03	22.62	71.57	223.6	47	28.0	12.5	909	3.39	10.9	0.9	1.3	3.9	12.3	0.34	0.44	0.21	36	0.50	0.034
1303635	Soil			0.82	30.35	43.31	174.0	67	27.3	14.0	727	3.19	9.5	0.5	15.3	3.5	24.1	0.30	0.48	0.20	33	0.89	0.049
1303636	Soil			0.50	10.81	600.1	40.3	19	8.2	5.4	852	1.38	27.2	0.6	<0.2	1.0	166.6	0.09	0.13	0.06	14	15.77	0.047
1303637	Soil			0.73	37.16	71.83	58.7	185	12.6	12.0	227	3.73	44.2	0.6	0.7	2.3	12.9	0.03	0.46	0.39	11	0.17	0.021
1303638	Soil			1.02	20.38	43.63	165.7	32	84.5	76.0	4614	4.35	15.6	2.6	1.9	5.6	26.7	0.05	0.87	0.35	42	0.52	0.038
1303639	Soil			1.22	27.21	27.20	93.9	26	29.4	16.5	831	4.16	7.6	1.0	0.2	2.7	8.8	0.17	0.33	0.26	33	0.08	0.105
1303640	Soil			0.98	19.21	25.21	98.2	35	32.8	13.5	512	3.98	6.4	0.7	0.6	2.5	10.9	0.19	0.26	0.23	33	0.40	0.086
1303641	Soil			1.31	11.34	21.88	70.0	73	10.1	12.1	1557	2.90	6.1	0.6	0.9	1.0	5.8	0.09	0.57	0.28	41	0.04	0.068
1303642	Soil			0.97	15.40	24.82	105.5	39	18.3	9.5	606	2.96	8.6	0.5	0.4	1.2	16.5	0.15	0.41	0.26	40	0.31	0.063

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Project: CAR
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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303613	Soil	18.5	27.1	1.02	125.4	0.006	4	1.64	0.002	0.12	<0.1	4.7	0.12	0.04	77	0.2	0.03	4.7	
1303614	Soil	15.7	24.9	0.92	158.9	0.006	6	1.45	0.005	0.12	<0.1	2.0	0.13	0.14	135	0.9	0.02	4.4	
1303615	Soil	18.2	23.9	0.95	103.6	0.008	6	1.26	0.003	0.14	<0.1	3.4	0.16	0.07	140	0.6	0.02	3.8	
1303616	Soil	23.2	25.0	1.01	135.2	0.009	8	1.33	0.004	0.29	<0.1	4.6	0.26	0.04	262	0.9	<0.02	4.5	
1303617	Soil	18.7	19.5	0.58	136.2	0.005	6	1.06	0.003	0.14	<0.1	3.4	0.38	0.08	325	1.3	<0.02	3.2	
1303618	Soil	10.2	18.9	0.35	168.4	0.003	5	1.30	0.003	0.10	<0.1	3.9	0.22	0.05	101	0.9	0.06	3.6	
1303619	Soil	17.4	29.8	0.61	202.3	0.004	3	2.16	0.002	0.13	<0.1	5.6	0.18	<0.02	63	0.3	0.06	5.0	
1303620	Soil	17.0	20.8	0.20	161.9	0.003	3	1.63	0.002	0.08	<0.1	3.5	0.21	0.04	70	0.4	0.07	4.7	
1303621	Soil	11.5	31.9	0.47	141.5	0.002	3	2.48	<0.001	0.14	<0.1	5.9	0.19	<0.02	96	0.4	0.02	5.0	
1303622	Soil	12.7	31.0	0.50	172.1	0.015	1	2.39	0.002	0.05	0.2	3.3	1.20	0.04	41	0.2	0.04	6.1	
1303623	Soil	12.6	31.5	0.49	171.8	0.013	2	1.98	0.002	0.07	0.2	3.7	0.29	0.06	41	0.3	0.04	6.6	
1303624	Soil	11.5	28.4	0.49	260.8	0.010	2	1.83	0.003	0.08	0.1	3.6	0.20	0.06	75	0.1	0.05	5.9	
1303625	Soil	10.5	28.0	0.87	187.3	0.002	3	1.96	0.002	0.15	<0.1	4.9	0.26	0.03	71	0.1	0.06	4.9	
1303626	Soil	7.1	9.1	6.13	85.2	0.005	2	0.56	0.008	0.05	<0.1	1.6	0.65	0.03	53	0.4	<0.02	1.5	
1303627	Soil	10.0	22.5	0.76	165.1	0.006	5	1.47	0.005	0.12	<0.1	3.1	0.85	0.09	95	0.5	0.04	4.3	
1303628	Soil	10.4	22.0	0.61	174.0	0.006	4	1.43	0.005	0.10	0.1	3.1	0.46	0.07	98	0.3	0.03	4.1	
1303629	Soil	9.9	20.2	2.84	148.5	0.005	4	1.43	0.006	0.11	<0.1	3.7	0.31	0.03	92	0.3	<0.02	3.5	
1303630	Soil	9.5	20.2	2.49	146.6	0.006	4	1.33	0.007	0.10	<0.1	3.5	0.38	0.05	76	0.3	0.02	3.5	
1303631	Soil	5.8	15.5	4.15	66.5	0.004	2	1.05	0.007	0.08	<0.1	3.1	0.21	0.03	60	<0.1	<0.02	2.6	
1303632	Soil	7.9	17.3	3.33	89.6	0.007	3	1.20	0.007	0.08	<0.1	2.8	0.43	0.04	82	0.2	0.04	3.1	
1303633	Soil	7.7	12.8	0.24	80.8	0.003	3	0.83	0.002	0.12	<0.1	3.7	0.15	<0.02	12	<0.1	0.08	2.8	
1303634	Soil	10.4	26.5	0.54	177.4	0.006	3	1.63	0.004	0.12	0.1	5.2	0.24	<0.02	27	<0.1	0.04	4.7	
1303635	Soil	9.9	25.2	0.64	132.3	0.007	3	1.44	0.004	0.14	0.1	5.1	0.16	<0.02	58	<0.1	0.03	4.3	
1303636	Soil	3.1	7.9	7.48	47.1	<0.001	2	0.27	0.010	0.04	<0.1	3.5	0.57	0.06	669	0.1	<0.02	0.8	
1303637	Soil	1.1	9.3	0.09	81.4	0.002	2	0.36	0.003	0.22	<0.1	4.7	0.30	0.16	147	<0.1	0.09	1.5	
1303638	Soil	3.3	27.0	0.59	383.4	0.008	2	0.99	0.004	0.20	0.3	19.2	0.18	<0.02	51	<0.1	0.10	3.5	
1303639	Soil	8.2	28.5	0.37	162.6	0.003	4	1.77	0.002	0.16	<0.1	5.1	0.21	0.05	20	0.2	0.07	5.6	
1303640	Soil	7.1	29.2	0.53	164.6	0.002	3	2.07	0.001	0.16	<0.1	5.6	0.23	0.04	20	<0.1	0.04	5.7	
1303641	Soil	8.4	21.9	0.09	80.6	0.016	3	0.86	0.002	0.14	0.1	1.8	0.17	0.02	43	0.3	0.07	5.2	
1303642	Soil	7.8	24.5	0.34	177.8	0.005	2	1.74	0.002	0.11	0.1	2.5	0.20	<0.02	19	0.1	0.04	6.5	

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303643	Soil	0.96	18.52	23.57	76.8	57	23.8	11.5	836	2.90	7.8	0.7	0.5	1.3	46.6	0.13	0.42	0.22	32	1.02	0.094
1303644	Soil	0.72	10.99	329.1	1806	54	15.2	7.8	925	2.69	6.3	0.8	1.3	2.3	31.7	2.11	0.27	0.11	16	10.29	0.062
1303645	Soil	0.97	9.08	223.6	873.4	45	10.6	7.7	1233	2.75	11.3	0.8	<0.2	1.3	10.9	2.78	0.32	0.22	36	2.65	0.075
1303646	Soil	1.05	9.94	325.1	1553	75	13.1	7.0	1546	3.11	11.1	1.1	0.8	0.9	15.7	4.12	0.32	0.19	40	3.23	0.127
1303647	Soil	0.97	8.82	47.50	461.4	52	17.1	9.0	791	2.90	8.7	0.7	0.8	1.5	11.3	1.11	0.41	0.24	63	0.61	0.051
1303648	Soil	1.14	20.55	63.83	563.1	232	27.7	11.0	971	3.60	13.9	1.0	1.5	2.5	13.9	0.51	0.58	0.21	36	0.82	0.085
1303649	Soil	1.36	14.27	31.63	276.8	109	29.1	12.1	1148	3.36	10.9	1.3	11.1	3.6	16.2	0.52	0.65	0.27	47	1.58	0.079
1303650	Soil	1.04	14.75	2403	7668	139	23.0	10.2	1016	2.78	10.3	1.0	5.8	1.7	17.4	10.43	0.66	0.25	45	1.84	0.077
1303651	Soil	1.18	15.68	299.1	2795	99	19.0	10.7	3098	3.58	8.2	1.5	2.3	0.6	13.2	9.38	0.68	0.27	51	2.39	0.111
1303652	Soil	1.69	14.34	23.40	134.8	25	22.3	8.6	360	2.84	10.8	0.8	3.1	2.3	9.3	0.30	0.81	0.26	56	0.12	0.035
1303653	Soil	1.06	14.95	161.3	190.2	27	24.9	10.8	452	3.11	9.4	0.6	1.3	4.1	6.9	0.63	0.55	0.23	44	0.27	0.021
1303654	Soil	0.97	34.15	54.39	229.9	235	42.9	15.8	610	4.24	7.1	1.0	1.1	4.9	7.5	0.25	0.29	0.36	12	0.41	0.026
1303655	Soil	0.90	23.20	54.80	308.0	172	24.0	8.4	549	3.19	7.7	1.8	1.0	2.3	11.5	0.40	0.33	0.30	17	0.98	0.053
1303656	Soil	0.94	19.62	21.13	127.1	59	18.6	11.2	418	2.32	6.3	1.4	<0.2	1.5	18.2	0.51	0.33	0.23	36	1.12	0.041
1303657	Soil	2.99	18.48	254.8	3751	135	15.4	7.0	1777	7.42	13.0	1.9	0.5	1.0	24.1	4.32	0.32	0.11	18	5.44	0.101
1303658	Soil	2.22	27.70	177.3	1986	192	24.6	10.2	1103	5.79	12.6	2.1	1.3	1.3	75.8	2.89	0.47	0.19	28	2.32	0.099
1303659	Soil	0.78	20.62	24.99	84.8	177	31.7	12.2	596	3.08	9.3	1.1	1.1	2.8	30.6	0.18	0.56	0.26	30	0.70	0.042
1303660	Soil	0.73	14.28	48.32	113.1	117	20.5	9.8	838	2.87	10.3	1.8	<0.2	1.4	70.1	0.52	0.37	0.37	27	5.75	0.084
1303661	Soil	5.28	10.41	20.27	173.8	66	18.8	8.9	446	3.99	14.8	1.8	<0.2	3.0	54.6	0.44	0.29	0.23	51	1.43	0.036
1303662	Soil	0.62	16.75	16.47	74.5	24	30.9	12.6	322	2.95	7.0	0.7	1.0	3.9	12.1	0.06	0.29	0.21	36	0.14	0.017
1303663	Soil	0.79	20.83	13.03	60.3	113	24.7	10.1	392	2.36	7.5	3.3	1.4	2.1	50.3	0.21	0.33	0.18	38	1.10	0.059
1303664	Soil	0.52	25.66	12.39	81.7	91	23.9	9.5	341	2.38	6.1	3.6	2.4	2.0	54.5	0.39	0.31	0.17	38	1.25	0.048
1303665	Soil	0.49	25.45	12.38	77.0	82	23.8	10.0	436	2.26	7.8	1.7	0.7	3.3	41.9	0.35	0.32	0.14	33	1.01	0.036
1303666	Soil	0.74	18.59	15.38	97.5	25	26.9	12.0	503	2.65	2.6	0.7	<0.2	4.5	31.3	0.23	0.23	0.18	38	0.68	0.034
1303667	Soil	0.59	32.02	21.30	95.8	26	34.4	12.9	599	3.01	6.1	0.8	<0.2	6.1	18.3	0.15	0.35	0.23	33	0.41	0.030
1303668	Soil	0.88	37.07	19.11	65.4	142	29.1	12.3	316	4.30	4.5	0.5	<0.2	2.0	17.4	0.08	0.63	0.30	25	0.12	0.056
1303669	Soil	1.08	27.32	20.78	93.2	43	22.0	19.2	861	3.98	13.8	0.5	0.4	1.3	32.3	0.19	0.51	0.29	33	0.75	0.078
1303670	Soil	0.64	34.71	20.01	85.3	42	37.0	17.4	459	3.57	18.0	0.9	0.5	4.0	30.6	0.07	0.65	0.35	18	0.63	0.048
1303671	Soil	0.83	31.25	19.38	85.0	82	33.3	17.5	1007	3.30	11.4	4.2	0.3	2.9	34.8	0.16	0.38	0.24	17	0.67	0.043
1303672	Soil	2.90	50.29	19.81	91.2	143	38.3	24.1	5014	3.00	9.2	20.1	1.8	1.8	94.6	0.49	0.53	0.21	19	1.57	0.076

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303643	Soil	8.8	24.0	0.41	153.5	0.005	3	1.44	0.003	0.11	<0.1	3.5	0.15	0.07	30	0.2	0.04	4.8	
1303644	Soil	5.1	13.0	5.14	141.8	0.005	3	0.87	0.008	0.09	<0.1	3.2	0.57	0.04	122	0.3	<0.02	2.3	
1303645	Soil	7.7	17.3	1.33	305.7	0.004	2	1.40	0.002	0.06	0.1	2.7	0.45	0.03	96	0.2	0.05	4.2	
1303646	Soil	11.5	22.9	1.54	297.9	0.007	3	1.70	0.003	0.06	<0.1	3.2	0.51	0.06	117	0.2	0.02	4.9	
1303647	Soil	11.9	31.1	0.52	216.5	0.018	1	2.14	0.004	0.05	0.2	3.4	0.29	0.02	54	0.2	0.04	7.1	
1303648	Soil	18.4	27.1	0.67	189.6	0.006	2	1.52	0.005	0.07	0.1	5.6	0.37	0.03	151	0.3	0.04	3.7	
1303649	Soil	15.8	29.9	1.20	226.9	0.014	2	2.29	0.002	0.05	0.2	4.5	0.23	0.02	64	0.2	0.05	4.9	
1303650	Soil	11.1	25.2	1.15	458.8	0.018	<1	1.46	0.006	0.05	0.2	2.8	0.31	0.05	309	0.6	0.05	4.7	
1303651	Soil	10.7	24.6	1.27	144.7	0.017	<1	1.79	0.004	0.04	0.1	1.9	0.20	0.08	162	0.6	0.06	5.2	
1303652	Soil	14.0	30.3	0.47	206.5	0.021	<1	2.03	0.003	0.04	0.3	2.8	0.19	<0.02	40	0.4	0.06	6.0	
1303653	Soil	9.8	26.9	0.52	92.0	0.005	<1	2.02	0.002	0.05	0.1	3.0	0.21	<0.02	55	0.2	0.03	5.1	
1303654	Soil	6.9	9.5	0.23	82.3	0.002	2	0.46	0.003	0.12	<0.1	6.0	0.45	0.05	85	0.5	0.04	1.4	
1303655	Soil	7.9	14.2	0.43	100.6	0.004	5	0.77	0.003	0.09	<0.1	3.8	0.29	0.05	80	0.4	0.02	2.3	
1303656	Soil	9.0	21.7	0.49	144.1	0.009	2	1.19	<0.001	0.07	0.1	2.4	0.05	0.04	29	0.3	0.07	4.3	
1303657	Soil	7.5	11.9	2.93	108.1	0.006	3	0.67	0.005	0.05	<0.1	1.9	3.19	0.06	111	0.6	0.04	1.8	
1303658	Soil	11.0	19.3	1.08	121.9	0.009	3	1.07	0.005	0.07	0.1	3.1	1.75	0.07	141	0.8	0.06	3.0	
1303659	Soil	13.5	22.6	0.48	131.9	0.008	2	1.20	0.004	0.08	0.1	3.6	0.15	0.02	62	0.4	0.04	3.2	
1303660	Soil	14.8	18.6	2.54	89.4	0.005	4	0.93	0.013	0.07	<0.1	3.0	0.10	0.06	197	0.4	<0.02	2.4	
1303661	Soil	19.5	33.2	0.59	184.0	0.010	3	1.78	0.003	0.08	0.1	4.6	0.30	<0.02	202	0.2	0.09	5.0	
1303662	Soil	13.6	29.3	0.74	104.9	0.006	1	1.99	0.002	0.10	<0.1	3.0	0.11	<0.02	12	<0.1	0.03	5.6	
1303663	Soil	14.2	29.8	0.88	170.3	0.013	2	1.62	0.004	0.08	0.1	3.5	0.10	0.04	56	0.5	0.04	5.2	
1303664	Soil	18.9	33.7	1.22	125.2	0.011	3	1.79	0.003	0.09	<0.1	4.4	0.11	0.04	48	0.4	0.04	5.6	
1303665	Soil	18.7	37.6	1.33	161.7	0.008	3	1.70	0.003	0.08	<0.1	4.5	0.11	0.03	42	0.7	0.03	5.1	
1303666	Soil	21.4	45.2	0.96	309.1	0.007	2	2.12	0.003	0.09	<0.1	3.7	0.14	<0.02	25	0.2	0.02	6.6	
1303667	Soil	18.8	41.5	0.98	149.7	0.007	2	2.01	0.004	0.12	<0.1	7.7	0.12	<0.02	26	0.2	0.03	6.0	
1303668	Soil	3.9	25.7	0.38	61.4	0.003	<1	1.60	0.002	0.09	<0.1	2.4	0.07	0.03	28	0.2	0.06	4.9	
1303669	Soil	4.7	25.2	0.44	70.6	0.005	1	1.59	0.003	0.08	<0.1	2.3	0.08	0.05	29	0.2	0.06	5.8	
1303670	Soil	4.8	22.6	0.61	46.7	0.003	1	1.46	0.003	0.07	<0.1	4.2	0.05	0.02	28	0.4	0.06	4.1	
1303671	Soil	5.2	20.5	0.54	88.2	0.002	2	1.31	0.003	0.06	<0.1	4.7	0.07	0.03	72	0.7	0.04	3.9	
1303672	Soil	6.8	19.4	0.49	228.7	0.004	6	1.24	0.005	0.07	<0.1	5.1	0.11	0.11	124	5.7	0.04	3.7	



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303673	Soil			1.59	6.25	11.38	33.5	17	8.0	3.2	142	2.27	8.5	0.5	2.0	3.8	8.4	0.07	0.53	0.24	64	0.07	0.015
1303674	Soil			0.96	39.44	26.10	83.4	79	33.0	15.9	582	3.58	14.9	0.9	1.4	3.5	45.2	0.11	0.51	0.34	27	0.47	0.032
1303675	Soil			0.81	44.85	23.59	81.4	92	40.2	17.6	704	3.62	16.1	3.5	1.1	3.7	48.7	0.06	0.66	0.38	17	0.39	0.031
1303676	Soil			1.14	21.85	213.8	898.6	72	20.9	10.6	1148	3.03	7.3	0.7	1.8	2.8	44.6	1.53	0.37	0.14	18	7.60	0.061
1303677	Soil			1.46	13.41	267.4	856.3	88	15.8	7.7	1437	4.03	8.9	1.3	4.3	2.7	36.8	1.91	0.29	0.21	20	8.03	0.081
1303678	Soil			1.35	14.19	653.1	1244	84	19.6	9.2	993	3.32	8.7	0.9	0.6	2.7	23.1	2.28	0.35	0.17	28	4.38	0.072
1303679	Soil			1.34	18.56	249.0	529.5	172	27.5	11.4	1057	3.41	11.0	1.0	1.7	3.3	20.2	1.20	0.54	0.20	34	2.85	0.072
1303680	Soil			1.04	25.35	147.8	279.1	69	36.2	15.3	870	3.80	12.2	1.4	0.9	6.4	13.3	0.57	0.52	0.29	38	0.18	0.036
1303681	Soil			0.21	5.40	42.97	94.6	111	5.6	3.8	2163	1.39	4.1	0.4	<0.2	1.3	42.4	0.26	0.05	0.12	7	14.13	0.041
1303682	Soil			0.80	18.25	45.31	677.2	84	19.6	8.0	1002	2.80	7.2	2.1	0.6	1.0	14.4	2.34	0.41	0.25	53	1.15	0.066
1303683	Soil			1.04	7.69	183.6	950.6	160	12.1	4.6	5268	10.07	10.3	2.3	2.1	1.6	33.2	2.01	0.19	0.15	22	8.13	0.112
1303684	Soil			1.91	9.09	89.06	3301	125	12.9	5.6	1937	2.83	10.7	2.2	0.9	1.8	39.4	4.15	0.17	0.15	17	10.26	0.100
1303685	Soil			3.29	9.94	43.55	>10000	307	18.0	9.0	2036	3.10	11.5	2.6	3.3	1.5	22.1	32.54	0.62	0.26	51	3.72	0.091
1303686	Soil			0.99	14.13	32.90	776.1	63	24.1	11.2	904	3.46	8.7	1.9	3.0	5.1	13.7	0.99	0.52	0.29	52	0.49	0.031
1303687	Soil			0.74	24.29	27.41	187.1	81	34.3	12.9	386	3.41	7.7	1.0	0.3	7.2	14.0	0.24	0.38	0.39	20	0.32	0.027
1303688	Soil			0.89	13.99	19.27	130.4	182	21.3	8.5	468	3.24	7.9	1.2	1.1	3.7	26.9	0.14	0.48	0.32	44	0.37	0.042
1303689	Soil			1.21	13.39	18.36	108.2	109	13.8	7.0	277	2.63	8.4	0.5	2.3	3.7	8.4	0.15	0.69	0.32	41	0.04	0.025
1303690	Soil			1.42	58.64	20.38	51.8	211	12.2	4.1	108	7.86	8.9	0.9	1.1	6.1	22.7	0.08	0.72	0.38	32	0.17	0.048
1303691	Soil			0.82	31.55	44.35	76.8	199	33.3	13.7	413	3.56	11.2	1.8	1.0	5.2	291.8	0.25	0.58	0.27	25	5.21	0.052
1303692	Soil			1.14	19.94	28.26	123.0	29	27.7	11.7	523	3.80	12.3	1.2	0.7	3.9	27.6	0.27	0.67	0.29	53	0.41	0.036
1303693	Soil			0.76	19.94	98.84	385.9	189	30.6	14.6	405	3.98	12.6	3.2	0.9	6.5	72.4	1.71	0.48	0.31	34	0.95	0.052
1303694	Soil			0.87	34.40	30.89	130.5	124	38.3	15.9	600	3.43	12.5	1.7	1.9	3.0	64.6	0.45	0.79	0.31	29	1.45	0.092
1303695	Soil			0.89	18.25	19.22	58.2	163	25.4	11.0	387	3.21	8.9	2.3	0.7	4.2	34.3	0.13	0.48	0.31	35	0.63	0.050
1303696	Soil			0.51	36.53	13.95	69.5	146	30.9	11.0	263	2.76	8.0	3.7	6.0	4.8	41.1	0.20	0.35	0.20	47	0.90	0.042
1303697	Soil			0.34	31.54	15.07	85.0	81	32.6	12.8	389	2.97	7.6	2.7	16.9	6.7	33.0	0.20	0.28	0.18	53	0.63	0.029
1303698	Soil			0.35	25.88	13.85	73.2	67	25.0	9.7	269	2.38	6.9	5.4	2.9	3.0	64.2	0.28	0.27	0.17	42	1.50	0.049
1303699	Soil			0.36	30.68	16.26	95.1	36	33.2	13.0	376	2.88	2.1	1.4	3.7	6.3	41.8	0.25	0.23	0.16	36	0.96	0.039
1303700	Soil			0.30	62.83	12.87	70.4	97	26.5	9.9	355	2.06	2.8	10.1	6.2	2.2	87.8	0.21	0.28	0.16	24	2.15	0.061
1303701	Soil			0.41	53.06	18.26	80.8	72	30.5	12.8	504	2.42	5.2	6.4	1.5	3.3	52.3	0.15	0.33	0.27	25	1.37	0.058
1303702	Soil			1.44	17.41	17.28	55.3	23	22.8	10.2	232	2.84	9.9	0.9	2.3	5.9	11.0	0.10	0.61	0.27	55	0.09	0.024



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1303673	Soil	15.6	19.6	0.22	81.0	0.049	<1	1.15	0.002	0.04	0.2	1.8	0.14	<0.02	18	0.2	0.05	6.8	
1303674	Soil	7.1	22.4	0.43	88.8	0.004	<1	1.32	0.003	0.06	<0.1	4.0	0.08	<0.02	44	0.4	0.05	3.9	
1303675	Soil	7.8	18.5	0.37	50.4	0.002	<1	1.02	0.005	0.07	<0.1	5.5	0.07	<0.02	64	0.6	0.06	3.0	
1303676	Soil	6.9	15.2	4.34	94.0	0.010	2	0.82	0.007	0.10	0.1	3.4	0.46	<0.02	74	0.2	0.03	2.2	
1303677	Soil	9.1	14.2	4.82	87.8	0.006	6	0.90	0.006	0.08	<0.1	3.7	0.65	0.03	60	0.7	<0.02	2.4	
1303678	Soil	9.5	19.2	2.62	154.8	0.006	3	1.19	0.005	0.10	<0.1	3.8	0.39	0.03	169	0.1	0.02	3.3	
1303679	Soil	13.3	24.1	1.89	147.4	0.008	3	1.42	0.005	0.10	0.1	4.8	0.25	0.03	124	0.3	0.04	3.5	
1303680	Soil	17.2	29.9	0.49	174.6	0.004	2	1.97	0.003	0.10	<0.1	6.9	0.21	<0.02	55	0.2	0.06	4.6	
1303681	Soil	5.3	7.4	8.30	61.9	<0.001	6	0.23	0.013	0.05	<0.1	2.3	0.23	0.03	34	0.8	<0.02	0.6	
1303682	Soil	11.8	27.8	0.55	172.1	0.016	<1	1.87	0.004	0.04	0.1	3.2	0.20	0.04	35	0.3	0.03	5.8	
1303683	Soil	15.9	16.3	4.85	210.5	0.004	2	1.26	0.004	0.02	<0.1	3.4	0.34	0.05	89	0.7	0.03	2.2	
1303684	Soil	8.3	9.6	6.43	64.0	0.003	3	0.68	0.005	0.07	<0.1	1.9	0.59	0.03	280	0.9	0.04	1.8	
1303685	Soil	10.5	26.2	2.41	115.7	0.020	3	1.83	0.029	0.04	0.2	3.0	0.44	0.69	4504	0.4	0.04	6.1	2.35
1303686	Soil	15.2	33.0	0.77	157.4	0.008	2	2.19	0.002	0.08	<0.1	4.9	0.26	<0.02	53	0.1	0.05	6.1	
1303687	Soil	12.2	17.6	0.33	157.9	0.004	3	1.11	0.002	0.11	<0.1	4.9	0.19	<0.02	53	0.3	0.04	3.2	
1303688	Soil	13.4	27.7	0.48	139.3	0.008	2	1.74	0.003	0.07	0.1	3.9	0.14	0.03	33	0.2	0.05	5.0	
1303689	Soil	12.7	15.1	0.15	57.5	0.016	2	0.92	<0.001	0.07	0.2	1.8	0.10	<0.02	22	<0.1	0.04	4.7	
1303690	Soil	6.7	28.8	0.21	78.9	0.007	2	1.06	<0.001	0.07	0.1	2.3	0.13	0.03	24	0.5	0.05	4.7	
1303691	Soil	16.1	20.6	0.31	112.8	0.001	3	1.27	0.003	0.09	<0.1	7.0	0.11	0.03	57	0.5	0.07	2.3	
1303692	Soil	11.0	30.5	0.57	140.8	0.006	2	2.03	0.001	0.09	0.1	4.2	0.20	<0.02	24	0.1	0.05	5.6	
1303693	Soil	30.3	27.4	0.15	163.4	0.003	3	1.88	0.001	0.06	<0.1	6.8	0.24	0.04	107	0.4	0.09	3.3	
1303694	Soil	14.9	22.3	0.81	119.6	0.009	5	1.21	0.005	0.10	<0.1	4.5	0.18	0.04	105	0.7	0.05	3.3	
1303695	Soil	17.0	27.7	0.57	180.5	0.005	3	1.60	0.003	0.11	<0.1	5.2	0.13	0.03	38	0.6	0.05	4.8	
1303696	Soil	34.7	47.2	2.06	144.1	0.012	6	2.32	0.001	0.17	<0.1	6.5	0.19	0.04	92	1.1	<0.02	7.1	
1303697	Soil	32.0	53.4	2.41	131.5	0.012	6	2.70	0.001	0.16	<0.1	7.2	0.15	<0.02	34	0.4	<0.02	8.3	
1303698	Soil	20.5	41.6	1.61	151.0	0.009	5	2.06	0.003	0.11	<0.1	5.3	0.11	0.05	38	0.5	<0.02	6.4	
1303699	Soil	30.2	47.3	2.17	168.7	0.005	6	2.54	<0.001	0.16	<0.1	8.2	0.14	0.03	24	0.5	0.03	7.6	
1303700	Soil	20.0	32.5	1.40	294.5	0.008	6	1.63	0.004	0.12	<0.1	5.2	0.10	0.07	60	1.5	0.02	4.8	
1303701	Soil	19.4	34.3	0.97	226.6	0.005	5	1.65	0.004	0.10	<0.1	5.8	0.10	0.06	43	0.7	<0.02	5.0	
1303702	Soil	16.6	29.6	0.41	168.2	0.021	2	1.90	0.002	0.06	0.2	3.7	0.17	<0.02	23	0.4	0.04	6.1	

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000254.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303703	Soil			1.35	44.30	27.69	94.0	28	40.9	25.4	594	4.59	15.1	0.8	1.5	6.6	10.4	0.13	0.57	0.39	36	0.05	0.030
1303704	Soil			1.46	16.64	15.98	71.8	38	20.2	9.8	315	3.30	9.5	0.7	1.0	4.0	10.7	0.10	0.50	0.29	52	0.08	0.032
1303705	Soil			1.33	32.31	21.64	84.2	149	36.6	16.0	459	3.74	12.2	1.6	3.5	4.4	34.1	0.18	0.74	0.31	41	0.45	0.076
1303706	Soil			1.15	35.39	20.37	74.2	148	31.0	15.6	671	3.56	9.3	6.5	1.3	3.2	65.3	0.25	0.54	0.28	35	1.09	0.080
1303707	Soil			0.65	14.53	12.54	63.1	98	15.6	6.7	282	2.01	3.9	3.1	<0.2	1.9	40.7	0.09	0.22	0.19	25	0.97	0.106
1303708	Soil			0.71	46.27	24.53	86.1	111	30.0	15.2	526	2.98	5.4	3.9	2.2	5.0	29.2	0.08	0.34	0.38	24	0.33	0.051
1303709	Soil			1.22	23.34	55.39	98.4	92	22.2	18.2	1363	3.56	7.9	1.4	1.0	0.9	10.6	0.19	0.50	0.30	28	0.25	0.202
1303710	Soil			0.94	20.04	32.81	82.3	61	23.7	15.3	713	3.34	7.3	0.9	1.0	1.0	8.9	0.08	0.48	0.33	33	0.11	0.077
1303711	Soil			1.14	20.28	39.21	186.6	39	30.8	13.9	633	3.17	9.0	1.0	1.3	2.9	11.2	0.27	0.63	0.30	38	0.28	0.063
1303712	Soil			1.91	12.29	153.9	921.2	103	14.2	6.4	1885	2.06	9.6	1.6	1.1	1.0	42.9	2.16	0.51	0.16	22	9.99	0.132
1303713	Soil			2.69	9.67	85.66	335.7	110	13.1	5.7	1463	2.23	10.4	1.8	0.4	0.9	45.7	0.55	0.48	0.13	24	9.48	0.118
1303714	Soil			1.52	15.83	93.16	557.4	108	24.2	12.6	1850	3.30	9.6	1.6	0.5	2.6	11.2	0.66	0.75	0.28	32	0.80	0.108
1303715	Soil			1.31	9.21	78.31	757.2	80	11.4	5.3	1560	2.14	10.9	1.5	0.2	0.4	16.5	1.13	1.25	0.13	19	5.23	0.161
1303716	Soil			1.89	10.43	141.3	776.4	146	18.6	7.1	1877	3.18	9.6	1.9	0.3	1.2	18.2	1.28	0.73	0.14	31	4.34	0.105
1303717	Soil			1.95	19.87	289.3	805.9	55	23.9	11.2	1680	4.19	12.2	1.6	1.3	2.3	11.3	0.77	0.70	0.27	30	0.36	0.121
1303718	Soil			1.92	36.07	412.8	981.2	92	50.2	21.2	2549	5.01	17.6	2.9	0.7	5.8	19.4	1.55	0.84	0.37	23	0.23	0.161
1303719	Soil			1.79	22.83	80.57	351.6	175	29.3	11.8	1097	3.18	13.0	2.7	1.6	2.5	19.2	0.94	0.79	0.24	34	0.84	0.102
1303720	Soil			1.03	22.64	29.78	113.5	85	18.3	7.9	312	2.56	9.1	2.5	1.1	2.1	35.0	0.21	0.60	0.26	26	0.63	0.131
1303721	Soil			1.36	24.21	52.97	165.1	333	24.4	9.7	403	2.95	11.8	3.2	4.9	2.1	44.0	0.54	0.78	0.29	21	1.07	0.174
1303722	Soil			1.40	24.45	40.24	110.3	393	24.4	10.4	454	2.49	10.5	2.8	3.6	2.0	57.3	0.44	0.71	0.24	27	1.79	0.138
1303723	Soil			0.75	32.03	20.50	108.7	209	26.1	10.3	352	2.43	7.2	2.4	6.0	2.3	30.3	0.33	0.42	0.18	28	1.11	0.098
1303724	Soil			0.30	39.43	13.51	97.8	87	31.4	11.2	227	2.67	4.7	1.0	7.4	4.4	20.8	0.23	0.22	0.16	33	0.87	0.068
1303725	Soil			0.28	30.97	10.77	80.0	51	26.7	11.7	304	2.26	2.8	1.0	7.7	6.2	49.6	0.20	0.15	0.11	29	3.38	0.062
1303726	Soil			0.22	29.11	10.12	76.9	36	25.4	10.0	248	2.24	2.4	0.9	4.8	5.9	58.2	0.15	0.12	0.11	28	3.50	0.058
1303727	Soil			0.23	26.70	8.99	91.0	48	29.8	10.5	229	2.49	1.6	1.0	5.3	3.6	19.6	0.25	0.17	0.11	29	0.57	0.063
1303728	Soil			0.29	47.00	12.77	93.4	33	30.9	10.6	255	2.46	1.2	0.9	8.0	6.6	22.7	0.16	0.13	0.13	27	1.32	0.063
1303729	Soil			0.32	38.88	16.53	81.0	39	23.9	10.1	316	2.09	1.2	0.8	6.1	6.5	43.4	0.21	0.12	0.11	22	2.72	0.057
1303730	Soil			0.50	58.14	7.91	82.9	52	26.7	10.1	352	2.21	1.9	0.9	3.3	3.2	18.2	0.17	0.22	0.16	24	0.64	0.064
1303731	Soil			0.26	28.75	12.88	89.3	26	38.7	15.4	374	2.77	3.9	0.8	2.2	8.8	20.7	0.10	0.19	0.23	17	1.04	0.073
1303732	Soil			0.11	42.52	15.64	88.9	45	47.6	14.7	450	2.86	2.5	1.1	1.9	9.0	68.6	0.06	0.09	0.19	15	3.67	0.071



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303703	Soil	10.3	28.6	0.48	90.0	0.004	3	1.98	<0.001	0.07	<0.1	5.5	0.14	<0.02	43	0.3	0.05	5.0
1303704	Soil	13.9	26.0	0.42	100.5	0.015	2	1.59	0.002	0.07	0.2	3.2	0.15	<0.02	23	0.3	0.03	6.3
1303705	Soil	14.6	29.8	0.60	178.4	0.013	3	1.65	0.004	0.08	0.1	5.1	0.14	0.03	56	0.6	0.03	4.7
1303706	Soil	9.2	27.0	0.60	154.0	0.004	4	1.73	0.003	0.10	<0.1	5.3	0.10	0.06	79	0.9	0.03	4.9
1303707	Soil	13.6	22.9	0.37	289.5	0.005	7	1.37	0.003	0.19	<0.1	3.3	0.11	0.10	26	0.3	0.03	4.1
1303708	Soil	12.9	32.0	0.51	256.7	0.004	5	1.55	0.005	0.22	<0.1	6.9	0.12	0.04	32	0.6	0.02	4.9
1303709	Soil	12.2	27.5	0.32	125.7	0.006	3	1.52	0.003	0.15	<0.1	1.6	0.14	0.06	114	0.4	<0.02	5.0
1303710	Soil	9.6	27.8	0.36	139.0	0.007	4	1.58	0.002	0.14	0.1	2.0	0.14	0.04	27	<0.1	<0.02	5.6
1303711	Soil	13.3	29.5	0.57	138.7	0.010	3	1.67	0.003	0.13	0.2	3.5	0.17	0.02	32	0.2	0.03	5.4
1303712	Soil	10.9	13.8	5.79	68.8	0.012	5	0.84	0.008	0.07	0.1	2.1	0.42	0.04	53	0.8	0.03	2.3
1303713	Soil	9.6	13.0	5.94	57.1	0.006	3	0.94	0.007	0.08	<0.1	1.8	0.62	0.04	28	0.6	0.02	2.2
1303714	Soil	15.7	26.9	0.63	163.8	0.008	4	1.69	0.004	0.15	0.1	3.9	0.61	0.06	31	0.3	<0.02	5.0
1303715	Soil	7.0	13.2	3.10	75.7	0.005	3	0.99	0.006	0.06	<0.1	0.9	0.42	0.08	42	0.5	0.04	2.2
1303716	Soil	12.0	20.4	2.83	122.3	0.009	<1	1.34	0.007	0.06	0.1	2.5	1.27	0.04	30	0.4	<0.02	3.4
1303717	Soil	16.8	23.5	0.35	108.4	0.008	3	1.31	0.003	0.12	<0.1	3.7	1.28	0.05	121	0.4	0.05	3.6
1303718	Soil	18.5	23.4	0.27	98.3	0.005	7	1.60	0.002	0.18	<0.1	6.3	0.94	0.05	45	0.5	0.05	3.1
1303719	Soil	21.5	25.8	0.68	125.8	0.012	4	1.41	0.004	0.13	0.1	4.2	0.34	0.04	50	0.6	0.05	3.9
1303720	Soil	9.7	18.4	0.28	99.0	0.004	5	1.14	0.001	0.16	<0.1	3.1	0.22	0.07	19	0.2	0.04	3.8
1303721	Soil	17.7	17.4	0.34	75.6	0.005	5	0.87	0.002	0.13	<0.1	3.1	0.24	0.08	75	0.3	<0.02	2.4
1303722	Soil	21.6	21.2	0.64	80.5	0.005	4	1.09	0.002	0.12	<0.1	3.2	0.20	0.06	92	0.5	0.05	3.0
1303723	Soil	25.5	35.5	1.31	93.4	0.004	4	1.54	<0.001	0.13	<0.1	3.9	0.15	0.07	68	0.5	0.02	4.9
1303724	Soil	28.2	45.2	2.02	75.9	0.005	5	1.90	<0.001	0.15	<0.1	5.4	0.14	0.04	45	0.2	0.02	6.0
1303725	Soil	24.8	40.1	2.87	56.5	0.005	4	1.77	0.003	0.13	<0.1	5.4	0.09	0.02	22	0.4	0.03	5.4
1303726	Soil	26.1	41.3	3.22	45.8	0.006	4	1.80	0.003	0.13	<0.1	5.0	0.08	0.02	19	0.6	<0.02	5.5
1303727	Soil	28.7	44.5	2.25	102.2	0.005	6	2.03	<0.001	0.13	<0.1	4.8	0.10	0.05	13	0.3	0.02	6.5
1303728	Soil	32.0	46.4	2.48	75.7	0.004	5	1.83	<0.001	0.12	<0.1	6.0	0.08	0.03	16	0.7	0.04	5.6
1303729	Soil	29.2	35.8	2.87	104.5	0.005	4	1.56	0.003	0.10	<0.1	5.0	0.07	0.02	12	0.7	<0.02	4.9
1303730	Soil	23.6	36.6	1.68	215.5	0.007	3	1.69	<0.001	0.10	<0.1	3.9	0.10	0.05	22	0.2	<0.02	5.2
1303731	Soil	31.1	37.0	1.78	202.1	0.005	5	1.62	<0.001	0.13	<0.1	6.2	0.07	<0.02	14	0.2	<0.02	4.9
1303732	Soil	13.6	39.5	1.39	61.9	0.004	4	1.56	<0.001	0.11	<0.1	5.5	0.05	<0.02	20	0.4	<0.02	4.9

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303733	Soil			0.19	40.68	20.91	96.6	49	48.2	15.6	758	3.15	2.6	1.1	2.9	10.0	36.5	0.15	0.10	0.18	16	2.16	0.074
1303734	Soil			0.39	36.51	31.24	120.4	180	38.9	13.4	443	3.18	6.4	1.7	1.7	5.3	29.5	0.17	0.49	0.22	14	0.74	0.074
1303735	Soil			0.71	24.49	31.24	111.7	134	27.3	12.4	326	2.67	13.4	1.0	1.3	3.5	46.4	0.19	0.35	0.24	6	2.02	0.130
1303736	Soil			1.26	34.38	47.96	168.0	180	32.4	14.4	287	3.15	15.6	1.0	1.1	4.0	31.7	0.50	0.50	0.28	9	1.59	0.124
1303737	Soil			1.85	40.89	23.25	90.2	222	21.0	7.7	126	2.51	7.9	1.5	1.7	4.1	45.6	0.33	0.43	0.27	17	1.25	0.086
1303738	Soil			1.80	34.61	24.75	91.7	158	28.7	14.4	412	3.00	8.3	1.2	1.2	4.3	32.0	0.20	0.42	0.27	23	0.92	0.083
1303739	Soil			2.18	59.30	54.22	85.0	268	33.4	18.0	663	3.67	15.8	1.1	4.3	4.8	39.6	0.19	0.64	0.42	15	2.02	0.062
1303740	Soil			1.09	44.27	24.70	86.1	182	32.6	15.0	414	3.78	8.3	0.7	1.9	2.5	19.1	0.16	0.55	0.26	31	0.49	0.080
1303741	Soil			1.06	62.66	40.70	85.0	198	40.6	22.5	443	5.63	9.7	0.5	1.3	1.3	8.0	0.30	0.88	0.33	39	0.13	0.083
1303742	Soil			1.36	32.72	18.70	59.3	57	22.3	14.4	647	3.37	8.0	0.4	1.6	2.5	7.7	0.20	0.58	0.24	46	0.18	0.047
1303743	Soil			1.67	57.49	26.63	103.9	177	47.4	20.0	365	4.45	11.6	0.6	3.0	4.3	20.7	0.26	0.55	0.30	19	0.30	0.047
1303744	Soil			1.31	57.24	23.98	92.5	147	38.5	18.2	445	4.55	8.0	0.7	1.5	3.6	17.1	0.12	0.51	0.30	31	0.24	0.068
1303745	Soil			1.14	34.15	17.71	89.3	56	19.7	14.2	505	4.13	14.2	0.4	1.8	2.0	22.7	0.16	0.59	0.29	42	0.58	0.045
1303746	Soil			1.15	34.55	24.92	105.6	40	23.0	17.3	787	4.22	19.6	0.6	1.1	2.8	16.0	0.21	0.58	0.31	47	0.17	0.053
1303747	Soil			1.16	32.21	138.4	580.1	470	25.5	16.2	665	3.78	56.5	0.9	1.7	1.4	32.4	3.42	2.01	0.23	35	1.31	0.089
1303748	Soil			1.06	21.22	121.7	886.4	455	20.7	10.3	2268	3.66	56.1	1.0	2.5	1.0	29.9	3.45	5.26	0.17	35	4.50	0.086
1303749	Soil			1.17	33.44	142.3	956.3	453	24.1	14.5	4090	6.18	198.1	3.4	1.9	1.3	18.8	4.04	20.19	0.17	37	1.27	0.132
1303750	Soil			0.61	33.23	92.78	346.0	226	19.4	12.6	456	2.76	44.8	0.7	1.0	2.3	151.0	0.82	1.59	0.16	14	13.13	0.075
1303751	Soil			0.78	38.65	76.42	314.8	302	25.7	14.6	455	3.18	21.3	0.7	2.6	1.7	41.9	0.67	1.16	0.25	20	1.75	0.099
1303752	Soil			0.77	16.39	48.37	256.3	320	15.0	8.9	1172	2.30	31.9	0.7	1.1	0.7	37.2	1.01	5.93	0.12	23	6.05	0.081
1303753	Soil			1.91	26.35	74.63	388.6	575	20.4	11.5	2540	3.59	36.7	1.0	2.1	0.8	32.7	1.72	8.96	0.20	33	2.53	0.145
1303754	Soil			1.20	28.76	69.92	387.8	572	21.5	9.8	1483	2.90	43.8	1.8	2.2	0.7	47.6	1.59	9.12	0.18	27	2.34	0.128
1303755	Soil			0.64	9.18	31.08	97.9	276	7.2	10.4	2696	3.03	38.0	0.6	1.0	0.5	35.5	0.79	6.54	0.05	23	10.94	0.107
1303756	Soil			0.46	7.87	36.70	118.0	238	4.6	3.2	1217	1.24	27.9	0.4	1.4	0.3	54.1	0.61	9.76	0.02	8	13.02	0.063
1303757	Soil			1.23	12.76	77.65	231.9	324	17.1	8.5	4980	5.96	278.6	1.7	4.7	1.4	28.0	0.99	26.19	0.26	46	2.92	0.142
1303758	Soil			2.13	25.58	100.5	228.9	2856	27.7	13.6	2882	6.39	32.2	1.4	3.3	4.2	10.5	1.92	14.92	0.23	40	1.00	0.042
1303759	Soil			1.94	15.94	47.69	196.4	468	17.9	8.6	2310	4.60	25.1	2.0	2.3	1.0	24.0	1.44	4.37	0.19	47	3.57	0.154
1303760	Soil			1.51	24.04	48.04	149.6	762	24.7	12.9	805	3.63	21.1	0.7	2.2	2.6	13.0	0.54	3.99	0.26	39	0.87	0.057
1303761	Soil			1.88	26.53	96.07	251.4	552	24.7	14.3	1979	6.28	38.0	1.2	0.9	2.9	14.7	0.96	5.77	0.26	40	0.71	0.086
1303762	Soil			1.15	16.67	54.59	154.9	151	16.5	11.8	1614	4.64	20.6	0.7	1.0	3.1	7.7	0.41	2.58	0.27	37	0.72	0.044



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1303733	Soil	16.1	38.6	1.65	86.4	0.004	4	1.65	0.001	0.13	<0.1	5.8	0.06	<0.02	40	0.1	0.03	5.3	
1303734	Soil	11.1	30.9	0.85	91.3	0.002	5	1.36	<0.001	0.15	<0.1	5.1	0.10	0.09	73	0.2	0.03	4.2	
1303735	Soil	9.2	6.1	0.17	53.5	0.001	6	0.37	0.003	0.12	<0.1	4.1	0.15	0.11	176	0.7	0.04	1.1	
1303736	Soil	7.9	9.6	0.39	83.6	0.001	6	0.52	0.003	0.13	<0.1	5.1	0.17	0.09	169	0.7	0.03	1.5	
1303737	Soil	5.4	16.8	0.33	106.6	0.003	6	0.98	0.007	0.14	<0.1	4.1	0.17	0.17	151	1.0	0.03	3.1	
1303738	Soil	7.4	19.4	0.49	133.9	0.003	6	1.23	0.003	0.12	<0.1	4.6	0.16	0.10	112	0.7	0.09	3.8	
1303739	Soil	4.1	9.8	1.09	85.9	0.002	6	0.62	0.004	0.20	<0.1	6.5	0.32	0.35	108	1.0	0.04	1.9	
1303740	Soil	8.7	21.7	0.34	115.9	0.003	3	1.26	<0.001	0.12	<0.1	6.2	0.15	0.05	56	0.4	0.07	3.9	
1303741	Soil	9.5	25.0	0.31	62.0	0.005	3	1.17	<0.001	0.12	<0.1	5.1	0.17	0.04	81	0.3	0.06	4.4	
1303742	Soil	11.8	19.9	0.19	100.6	0.006	2	1.12	<0.001	0.10	<0.1	4.6	0.15	0.03	33	0.2	0.05	5.2	
1303743	Soil	9.2	13.8	0.16	71.6	0.001	2	0.80	0.001	0.08	<0.1	7.9	0.24	0.03	76	0.6	0.06	2.0	
1303744	Soil	10.3	21.5	0.28	85.3	0.003	3	1.05	0.002	0.10	<0.1	8.4	0.19	0.04	71	0.6	0.08	3.2	
1303745	Soil	6.9	18.5	0.12	91.6	0.009	1	0.80	<0.001	0.09	<0.1	5.3	0.20	0.03	49	<0.1	0.02	5.6	
1303746	Soil	9.0	25.1	0.20	101.9	0.011	3	1.18	0.001	0.11	<0.1	5.8	0.30	0.03	28	0.3	0.06	5.5	
1303747	Soil	12.4	27.2	0.31	163.0	0.008	2	1.54	<0.001	0.07	0.1	5.3	0.30	0.06	270	0.5	0.03	3.9	
1303748	Soil	9.5	21.6	2.58	200.4	0.010	2	1.24	0.006	0.06	0.2	3.0	0.34	0.06	1558	0.6	0.02	3.4	
1303749	Soil	12.0	23.2	0.43	234.1	0.004	4	1.53	0.001	0.10	0.1	5.2	1.32	0.14	790	0.9	0.05	4.0	
1303750	Soil	9.8	9.4	0.65	72.5	0.003	3	0.39	0.005	0.10	<0.1	4.2	0.81	0.05	342	0.5	0.07	1.2	
1303751	Soil	11.5	13.3	0.26	132.9	0.004	7	0.74	0.005	0.11	<0.1	4.4	0.60	0.09	313	0.8	0.07	2.2	
1303752	Soil	7.7	13.2	3.32	113.3	0.007	3	0.79	0.008	0.05	0.1	2.2	0.32	0.06	237	0.2	0.04	2.0	
1303753	Soil	10.3	17.6	1.08	273.1	0.010	5	1.08	0.008	0.07	0.2	2.7	0.62	0.13	336	0.8	0.06	2.9	
1303754	Soil	8.6	16.9	0.45	258.8	0.008	6	0.95	0.006	0.08	0.2	2.5	0.53	0.14	449	0.7	0.04	2.8	
1303755	Soil	9.6	8.0	6.74	249.8	0.004	3	0.63	0.011	0.04	0.4	3.5	0.22	0.03	236	0.3	<0.02	1.3	
1303756	Soil	2.4	4.3	6.21	212.6	0.003	3	0.23	0.011	0.04	0.1	1.0	0.24	<0.02	136	0.2	<0.02	0.6	
1303757	Soil	15.3	21.3	1.51	319.4	0.009	2	1.64	0.002	0.04	1.2	3.6	0.42	0.06	289	0.6	0.05	4.4	
1303758	Soil	12.9	22.9	0.72	212.4	0.015	3	1.58	0.004	0.04	0.3	7.7	1.27	0.03	565	0.5	0.05	3.2	
1303759	Soil	10.7	20.0	1.82	260.2	0.009	4	1.24	0.006	0.06	0.2	2.9	0.34	0.07	227	0.6	0.04	3.7	
1303760	Soil	13.7	23.7	0.67	163.6	0.014	3	1.24	0.006	0.06	0.2	4.8	0.37	0.03	264	0.5	0.04	3.7	
1303761	Soil	16.7	19.1	0.43	200.5	0.003	2	1.03	0.001	0.06	0.2	8.0	0.52	0.02	218	0.6	0.04	2.6	
1303762	Soil	11.3	18.1	0.50	141.1	0.007	2	1.12	0.002	0.05	0.1	5.4	0.38	<0.02	94	0.4	0.04	3.2	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303763	Soil	0.85	13.27	39.50	121.7	334	13.5	8.4	949	3.92	12.7	0.7	0.5	2.4	6.1	0.23	1.26	0.23	39	0.29	0.057
1303764	Soil	0.89	12.40	27.68	79.5	140	17.2	9.1	875	3.39	13.0	0.9	0.9	1.8	13.9	0.19	1.04	0.25	49	1.41	0.063
1303765	Soil	0.98	16.41	41.82	132.6	245	19.4	9.4	1110	4.65	18.1	1.2	1.1	1.8	9.8	0.43	1.88	0.23	45	0.42	0.080
1303766	Soil	1.18	16.15	47.57	144.7	162	20.6	11.0	1158	4.63	24.9	1.2	0.7	2.7	10.4	0.69	3.11	0.24	48	0.29	0.050
1303767	Soil	1.08	13.08	22.97	78.6	69	20.8	8.4	480	3.40	12.8	0.8	1.5	1.5	10.2	0.17	1.14	0.23	49	0.36	0.047
1303768	Soil	1.21	21.45	62.40	162.0	238	19.8	11.2	1284	4.28	20.9	0.9	0.5	1.8	27.8	1.57	3.02	0.20	34	3.55	0.062
1303769	Soil	2.02	23.89	73.70	436.2	370	19.8	10.5	712	4.00	28.4	1.1	0.8	1.5	18.7	1.22	4.37	0.23	45	2.01	0.100
1303770	Soil	3.53	19.16	83.00	546.6	385	16.6	9.7	1296	3.79	27.5	1.1	1.6	1.4	71.4	2.32	4.80	0.13	21	12.00	0.082
1303771	Soil	2.49	43.91	82.31	314.2	334	25.9	10.8	442	2.95	20.8	0.7	1.5	1.5	61.7	0.90	1.61	0.24	16	9.40	0.114
1303772	Soil	3.63	49.77	95.01	637.3	376	31.0	13.9	579	3.53	28.8	1.0	1.3	2.4	51.9	2.52	3.63	0.24	19	9.14	0.112
1303001	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1303002	Soil	2.25	57.57	26.73	67.9	105	20.2	15.8	1408	3.37	28.1	11.2	1.7	1.9	91.9	0.13	0.55	0.35	44	0.35	0.082
1303003	Soil	1.20	14.81	61.20	798.9	105	20.9	10.2	1696	3.48	11.6	1.6	0.4	1.4	12.6	1.02	0.54	0.26	48	1.03	0.099
1303004	Soil	0.38	1.88	22.46	128.9	21	1.8	1.6	726	0.65	3.4	0.7	0.2	0.4	47.8	0.41	0.04	0.03	7	15.51	0.076
1303005	Soil	16.37	7.06	266.4	1883	54	9.1	6.0	1198	4.28	31.5	0.9	<0.2	1.6	45.3	2.27	0.25	0.09	7	13.31	0.038
1303006	Soil	4.61	14.74	855.0	5741	130	19.4	10.7	2794	6.53	25.7	2.4	0.7	1.8	10.8	4.68	0.49	0.24	41	0.98	0.149
1303007	Soil	3.18	13.36	215.4	1655	62	20.2	11.2	6446	6.70	27.6	3.3	<0.2	2.6	10.4	4.14	0.56	0.30	61	0.41	0.146
1303008	Soil	2.42	3.22	168.7	91.1	69	3.4	1.8	3773	8.58	5.7	3.0	<0.2	0.4	37.4	0.13	0.07	<0.02	4	14.61	0.085
1303009	Soil	1.77	13.98	137.8	892.1	258	21.9	10.2	1784	4.27	10.8	1.4	0.4	1.2	13.7	2.31	0.64	0.23	45	1.55	0.090
1303010	Soil	2.48	11.22	3602	>10000	299	13.2	6.6	7990	36.93	11.8	5.1	2.6	3.7	8.4	22.58	0.35	0.08	46	0.83	0.187
1303011	Soil	1.59	7.97	80.13	995.3	84	13.6	6.3	5902	4.10	10.7	2.3	<0.2	1.0	36.8	1.83	0.41	0.06	31	10.12	0.090
1303012	Soil	1.17	13.47	51.61	164.0	79	16.7	7.8	1490	2.51	6.2	2.0	0.5	3.0	34.5	0.19	0.19	0.17	15	8.54	0.085
1303013	Soil	0.58	25.89	34.34	131.9	87	18.0	7.6	128	4.64	4.8	0.7	<0.2	6.7	32.6	0.31	0.27	0.39	12	0.31	0.069
1303014	Soil	3.55	71.00	51.84	187.7	27	95.0	109.1	452	8.33	67.1	0.7	0.7	2.5	6.1	0.20	1.34	0.89	31	0.03	0.088
1303015	Soil	0.85	29.25	30.72	81.1	192	26.0	9.4	405	2.99	7.8	2.1	0.7	1.8	32.7	0.26	0.51	0.29	30	0.59	0.069
1303016	Soil	0.38	24.32	33.41	60.4	226	28.1	10.1	422	3.57	7.5	1.5	0.4	3.0	164.2	0.24	0.35	0.31	24	1.81	0.063
1303017	Soil	0.99	13.36	23.02	82.9	231	24.1	10.3	747	4.86	12.9	1.3	1.1	3.4	35.3	0.19	0.57	0.28	52	0.99	0.075
1303018	Soil	0.61	15.42	12.85	92.8	48	24.3	9.2	231	3.08	8.0	3.1	1.6	4.7	33.0	0.16	0.36	0.19	46	0.54	0.038
1303019	Soil	0.36	17.21	12.95	82.6	63	23.4	9.4	272	2.74	5.2	4.4	1.6	4.3	28.6	0.21	0.20	0.20	65	0.64	0.026
1303020	Soil	0.91	29.68	14.86	89.2	92	25.0	11.9	542	2.56	9.8	5.2	8.7	3.6	35.9	0.37	0.37	0.20	43	0.95	0.053



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303763	Soil	12.4	18.6	0.25	226.1	0.005	2	1.37	<0.001	0.05	0.1	4.9	0.27	0.02	54	0.3	0.05	3.6	
1303764	Soil	13.4	25.0	1.02	210.2	0.011	3	1.60	0.004	0.05	0.2	3.8	0.30	0.03	39	0.3	0.06	5.0	
1303765	Soil	16.3	25.7	0.38	254.6	0.008	2	1.50	0.002	0.05	0.1	5.3	0.29	0.04	106	0.4	0.05	3.7	
1303766	Soil	18.6	26.0	0.37	188.7	0.009	2	1.73	0.003	0.06	0.2	5.8	0.32	0.02	114	0.5	0.03	4.5	
1303767	Soil	14.2	24.8	0.40	174.2	0.012	2	1.67	0.004	0.04	0.2	3.3	0.22	0.02	57	0.4	0.04	4.9	
1303768	Soil	13.0	17.0	2.07	361.8	0.006	7	0.97	0.005	0.07	0.1	5.3	0.31	0.05	174	0.4	0.03	2.7	
1303769	Soil	12.6	20.0	0.98	161.5	0.003	3	1.24	0.003	0.06	0.1	4.6	0.60	0.05	222	0.7	0.03	3.5	
1303770	Soil	6.3	7.1	6.30	65.6	0.002	6	0.25	0.009	0.04	0.1	3.5	0.73	0.03	267	0.7	0.03	0.7	
1303771	Soil	8.3	7.4	3.05	41.1	0.002	4	0.29	0.008	0.11	<0.1	4.8	0.76	0.10	296	1.2	0.05	0.9	
1303772	Soil	10.3	7.5	4.61	42.2	0.001	6	0.26	0.009	0.08	<0.1	5.7	0.58	0.05	381	1.2	0.10	0.9	
1303001	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1303002	Soil	4.7	33.5	0.30	119.4	0.008	4	1.23	0.006	0.21	0.2	7.5	0.15	0.04	28	0.3	0.05	5.7	
1303003	Soil	15.9	27.9	0.56	241.2	0.014	3	1.75	0.004	0.07	0.1	3.6	0.29	0.04	59	0.3	0.04	5.1	
1303004	Soil	3.2	3.5	9.58	33.7	0.002	2	0.14	0.007	0.02	<0.1	1.0	0.11	<0.02	10	0.6	<0.02	0.3	
1303005	Soil	3.5	5.9	7.66	73.0	0.002	2	0.28	0.009	0.05	<0.1	2.1	2.10	0.09	405	0.4	<0.02	0.8	
1303006	Soil	18.2	23.7	0.43	206.6	0.007	4	1.60	0.004	0.07	0.1	3.9	1.88	0.09	179	0.8	0.07	4.3	
1303007	Soil	20.8	30.9	0.43	245.5	0.011	3	2.30	0.002	0.05	0.2	5.4	3.64	0.04	47	0.5	0.07	6.9	
1303008	Soil	5.3	2.4	8.36	23.5	0.002	1	0.12	0.010	<0.01	<0.1	0.8	11.61	0.07	130	0.5	<0.02	0.3	
1303009	Soil	12.6	26.1	1.00	180.8	0.013	3	1.62	0.006	0.06	0.1	2.7	0.52	0.05	82	0.4	0.06	4.5	
1303010	Soil	11.8	12.7	0.40	125.2	0.008	3	0.97	0.002	0.02	<0.1	4.0	22.56	0.14	4771	1.0	0.02	5.6	1.52
1303011	Soil	12.7	13.3	6.19	165.0	0.013	2	1.10	0.006	0.03	0.1	2.6	1.55	0.05	70	0.1	<0.02	2.8	
1303012	Soil	9.8	10.8	4.76	125.9	0.003	3	0.64	0.007	0.06	<0.1	3.6	0.36	0.05	28	0.4	0.06	1.4	
1303013	Soil	3.5	12.8	0.15	57.7	<0.001	2	0.63	0.002	0.10	<0.1	3.3	0.13	0.09	25	0.3	0.04	2.6	
1303014	Soil	4.2	17.2	0.17	75.6	0.002	4	1.35	0.001	0.09	<0.1	4.0	0.19	0.02	30	0.5	0.24	5.1	
1303015	Soil	11.0	20.0	0.31	108.2	0.007	3	1.29	0.004	0.10	<0.1	4.4	0.14	0.04	55	0.4	0.05	4.1	
1303016	Soil	14.7	17.1	0.26	99.1	0.001	4	1.27	0.003	0.07	<0.1	5.6	0.11	0.06	71	0.6	0.10	3.5	
1303017	Soil	25.7	36.9	0.54	186.6	0.008	4	1.74	0.004	0.07	0.1	8.0	0.14	0.04	166	0.5	0.08	4.4	
1303018	Soil	19.2	34.4	0.95	98.0	0.008	3	2.07	0.003	0.10	<0.1	5.5	0.18	<0.02	22	0.4	<0.02	6.0	
1303019	Soil	21.4	43.3	1.48	126.9	0.012	3	2.82	0.002	0.07	<0.1	4.8	0.20	<0.02	23	0.2	<0.02	9.6	
1303020	Soil	21.6	36.8	1.53	128.6	0.013	4	1.87	0.003	0.09	<0.1	5.8	0.16	0.04	53	0.6	0.04	6.2	



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303021	Soil	1.77	25.08	99.53	340.4	38	13.2	14.5	963	4.19	18.8	0.8	1.7	1.6	5.7	0.99	0.47	0.39	29	0.07	0.056
1303022	Soil	0.67	5.65	522.1	518.5	141	9.1	4.8	1088	1.74	5.8	0.7	1.0	1.2	37.2	0.89	0.19	0.05	15	10.43	0.093
1303023	Soil	1.64	11.46	110.2	555.5	50	17.4	10.6	1746	4.19	10.3	1.3	0.6	4.1	5.5	3.36	0.37	0.21	50	0.14	0.051
1303024	Soil	2.25	30.03	250.2	927.8	130	34.7	18.0	2623	6.12	14.6	1.5	1.9	4.4	15.8	2.69	0.60	0.20	37	1.51	0.133
1303025	Soil	0.74	6.59	53.81	321.9	139	6.8	3.2	1558	2.00	5.5	1.7	0.9	0.8	46.6	1.20	0.13	0.05	11	14.01	0.084
1303026	Soil	1.44	12.20	101.1	848.8	185	15.7	6.7	1990	3.74	9.9	1.7	1.7	1.2	31.7	2.50	0.33	0.11	26	8.34	0.106
1303027	Soil	1.65	3.80	62.07	2389	86	2.4	1.4	1361	2.76	5.1	1.5	<0.2	0.1	31.0	6.09	0.10	<0.02	<2	14.93	0.048
1303028	Soil	0.86	9.43	18.21	112.6	17	17.0	7.5	313	3.05	6.7	0.4	<0.2	2.9	7.8	0.10	0.27	0.21	48	0.31	0.017
1303029	Soil	1.34	16.17	25.85	140.1	101	29.5	11.3	1178	3.43	13.5	1.6	<0.2	3.7	11.9	0.55	0.62	0.24	54	0.45	0.047
1303030	Soil	1.66	14.16	72.86	379.0	100	14.2	7.6	1998	3.10	12.3	1.3	<0.2	1.1	36.2	0.89	0.28	0.10	24	9.06	0.079
1303031	Soil	1.01	29.17	25.03	104.7	281	31.4	10.8	374	3.60	11.3	0.9	2.4	4.0	23.4	0.21	0.58	0.22	31	0.65	0.048
1303032	Soil	0.79	58.72	21.97	187.7	136	41.1	19.8	995	3.84	8.5	2.4	1.5	7.4	18.1	0.46	0.38	0.22	40	0.50	0.063
1303033	Soil	0.77	29.98	26.23	162.0	184	52.5	18.8	691	3.18	9.0	1.8	1.4	2.8	35.6	0.53	0.36	0.21	36	0.83	0.077
1303034	Soil	0.83	23.51	28.58	197.6	155	26.2	9.5	397	3.21	8.8	1.7	1.9	2.0	47.8	0.45	0.39	0.23	32	0.73	0.093
1303035	Soil	0.70	23.25	17.35	107.4	212	23.1	9.1	548	2.73	8.0	2.1	1.5	1.1	87.2	0.52	0.40	0.19	31	1.30	0.114
1303036	Soil	0.94	18.50	17.37	76.2	102	22.4	9.6	427	3.46	10.8	1.5	2.6	2.6	36.2	0.20	0.43	0.21	41	1.07	0.060
1303037	Soil	0.88	23.84	13.53	83.9	172	28.2	11.1	420	2.70	10.4	1.9	5.5	3.0	29.4	0.23	0.47	0.18	43	0.68	0.050
1303038	Soil	0.85	29.70	14.43	74.5	202	26.2	9.7	374	2.86	9.4	2.1	4.4	2.7	34.2	0.15	0.43	0.19	45	0.70	0.053
1303039	Soil	0.44	29.85	13.80	92.0	125	23.7	9.0	393	2.66	7.0	4.0	3.3	2.1	62.8	0.37	0.30	0.17	50	1.02	0.053
1303040	Soil	0.54	62.18	13.80	91.8	242	29.5	11.2	522	2.59	7.7	4.3	3.8	1.7	74.4	0.53	0.32	0.19	38	1.46	0.084
1303041	Soil	0.35	21.70	17.05	109.4	35	31.3	12.9	523	3.25	3.9	0.9	2.1	4.5	19.7	0.20	0.17	0.20	29	0.43	0.025
1303042	Soil	0.50	20.80	15.28	116.6	30	24.4	11.1	411	2.89	4.8	0.6	0.8	4.1	18.8	0.25	0.23	0.20	36	0.39	0.040
1303043	Soil	0.46	44.33	23.27	94.5	76	37.2	10.5	1239	2.93	3.8	1.5	1.2	3.3	24.0	0.19	0.19	0.25	23	0.87	0.057
1303044	Soil	0.75	32.15	19.25	99.7	58	31.4	17.7	712	4.01	11.0	0.7	0.9	3.2	15.9	0.07	0.36	0.22	30	0.08	0.044
1303045	Soil	0.67	36.16	16.02	94.9	49	35.5	23.2	454	3.90	15.5	0.7	1.4	3.6	24.5	0.08	0.30	0.38	25	0.13	0.020
1303046	Soil	0.75	26.42	15.36	81.2	104	24.0	11.3	451	2.83	8.2	3.9	1.0	2.5	85.4	0.11	0.34	0.22	22	0.87	0.039
1303047	Soil	0.51	30.42	16.91	86.8	126	25.0	10.9	365	2.65	8.2	2.2	1.6	2.1	64.9	0.26	0.40	0.19	26	1.54	0.061
1303048	Soil	0.60	27.46	16.37	85.3	109	23.0	10.9	479	2.66	7.7	2.3	2.0	2.3	74.7	0.18	0.36	0.18	23	1.23	0.053
1303049	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1303050	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.01	
1303021	Soil	3.4	17.7	0.11	93.4	0.005	4	0.81	0.002	0.12	0.1	2.7	0.31	0.03	26	0.1	0.05	4.3	
1303022	Soil	5.0	9.1	5.73	139.1	0.005	1	0.59	0.005	0.04	<0.1	1.9	0.14	<0.02	415	<0.1	<0.02	1.4	
1303023	Soil	15.9	28.3	0.30	364.3	0.005	1	2.09	<0.001	0.05	0.2	4.9	0.49	<0.02	61	0.2	0.04	5.6	
1303024	Soil	16.6	28.9	1.07	189.9	0.009	3	2.06	0.004	0.07	<0.1	6.6	1.07	0.03	71	0.2	0.07	3.7	
1303025	Soil	6.4	6.9	7.32	35.6	0.002	<1	0.32	0.007	0.02	<0.1	1.9	0.34	<0.02	64	0.2	0.02	0.7	
1303026	Soil	9.3	15.1	4.55	125.0	0.008	1	0.91	0.008	0.03	0.1	2.5	0.69	0.03	106	0.2	0.02	2.2	
1303027	Soil	1.5	1.3	8.00	9.7	<0.001	<1	0.04	0.007	<0.01	<0.1	0.3	1.65	0.04	906	0.2	<0.02	0.9	
1303028	Soil	9.8	26.0	0.54	198.8	0.008	1	1.90	0.001	0.04	<0.1	3.1	0.16	<0.02	13	<0.1	0.03	6.4	
1303029	Soil	15.9	37.3	0.61	236.4	0.017	2	2.26	0.005	0.05	0.2	5.8	0.21	0.02	51	0.2	0.03	5.4	
1303030	Soil	9.0	13.1	4.89	61.6	0.004	3	0.86	0.008	0.04	<0.1	2.7	1.02	0.03	46	0.3	0.05	2.1	
1303031	Soil	15.9	22.8	0.50	94.3	0.004	4	1.40	0.004	0.07	<0.1	7.5	0.20	0.03	123	0.2	0.05	3.5	
1303032	Soil	12.0	29.9	0.44	117.5	0.008	2	2.40	0.002	0.07	<0.1	9.3	0.17	0.03	67	0.5	0.02	4.7	
1303033	Soil	11.5	25.2	0.44	160.3	0.006	3	1.99	0.004	0.07	0.1	6.2	0.16	0.05	76	0.4	0.08	4.1	
1303034	Soil	11.7	23.5	0.42	111.2	0.008	3	1.37	0.004	0.08	0.1	4.2	0.15	0.05	68	0.6	0.05	3.9	
1303035	Soil	13.2	22.0	0.41	119.5	0.008	3	1.25	0.005	0.07	0.1	3.1	0.11	0.09	154	1.0	0.05	3.5	
1303036	Soil	18.7	30.3	0.63	143.4	0.007	3	1.66	0.003	0.08	0.1	5.2	0.15	0.04	101	0.3	0.07	4.8	
1303037	Soil	22.7	30.1	0.70	169.9	0.020	3	1.58	0.006	0.07	0.2	5.4	0.12	<0.02	66	0.4	0.03	4.9	
1303038	Soil	21.1	30.6	0.74	175.7	0.017	3	1.73	0.007	0.08	0.1	6.0	0.12	0.02	111	0.5	0.03	5.4	
1303039	Soil	28.7	40.9	1.31	288.4	0.012	3	2.29	0.002	0.08	<0.1	5.4	0.11	0.03	78	0.5	<0.02	7.5	
1303040	Soil	26.8	37.4	1.34	234.4	0.012	3	1.96	0.004	0.08	0.1	6.0	0.10	0.05	100	0.8	<0.02	6.1	
1303041	Soil	17.7	36.3	1.09	125.3	0.003	2	2.31	0.001	0.09	<0.1	6.1	0.11	<0.02	21	0.3	0.03	6.3	
1303042	Soil	17.1	38.3	0.95	251.3	0.004	2	2.19	0.002	0.09	<0.1	4.7	0.11	<0.02	21	0.3	0.03	6.8	
1303043	Soil	11.2	32.6	0.61	89.2	0.002	2	1.88	0.002	0.07	<0.1	9.7	0.07	0.03	50	0.2	0.03	4.9	
1303044	Soil	7.7	27.3	0.60	86.3	0.002	2	2.13	0.001	0.10	<0.1	3.4	0.11	<0.02	32	0.3	0.07	5.1	
1303045	Soil	7.7	22.3	0.47	70.0	0.002	2	1.42	0.003	0.07	<0.1	4.4	0.08	<0.02	17	0.1	0.09	4.5	
1303046	Soil	6.9	18.7	0.48	79.8	0.003	3	1.18	0.005	0.08	<0.1	4.4	0.07	0.03	64	0.7	0.03	3.5	
1303047	Soil	8.1	20.5	0.53	127.9	0.004	4	1.26	0.004	0.08	<0.1	4.4	0.06	0.05	56	0.6	<0.02	3.9	
1303048	Soil	8.3	20.0	0.55	111.4	0.003	4	1.24	0.005	0.08	<0.1	4.5	0.07	0.05	62	0.9	0.04	3.9	
1303049	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
1303050	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303051	Soil			0.66	17.59	101.8	1173	55	16.1	6.8	542	2.46	6.1	0.8	1.4	1.8	25.5	1.71	0.21	0.14	18	5.66	0.065
1303052	Soil			1.26	15.41	346.6	973.0	73	13.0	7.2	944	2.75	6.9	0.6	0.9	1.7	32.0	2.27	0.25	0.11	16	8.03	0.057
1303053	Soil			1.25	21.00	1110	2444	160	19.6	8.8	1915	3.17	10.3	1.3	1.3	1.2	19.9	4.51	0.42	0.17	36	3.17	0.097
1303054	Soil			1.05	10.01	486.4	1460	103	12.6	6.0	1135	2.00	7.0	0.8	1.6	1.0	32.9	2.25	0.26	0.09	18	10.23	0.074
1303055	Soil			0.80	12.73	189.8	711.0	102	13.4	7.1	1490	2.71	8.1	1.3	1.1	0.9	20.1	2.44	0.32	0.17	30	2.92	0.109
1303056	Soil			0.81	9.28	331.3	717.3	78	11.9	6.2	2262	2.70	8.0	1.1	1.6	0.9	31.5	2.48	0.26	0.12	22	8.90	0.103
1303057	Soil			0.83	10.75	242.7	1793	151	15.4	6.6	1389	3.25	9.4	1.0	1.2	1.9	43.1	5.23	0.28	0.11	16	10.65	0.080
1303058	Soil			0.61	6.87	72.85	297.7	68	10.2	4.9	880	2.05	5.8	1.1	3.3	1.2	30.8	0.50	0.21	0.13	27	7.71	0.086
1303059	Soil			1.27	18.61	38.23	246.9	102	26.8	11.3	766	3.75	10.2	1.5	2.9	4.3	11.4	0.31	0.51	0.36	39	0.45	0.048
1303060	Soil			1.14	23.85	68.72	192.7	125	36.4	13.8	827	3.95	11.3	1.5	2.1	5.2	23.8	0.28	0.60	0.31	38	0.47	0.092
1303061	Soil			1.88	16.34	34.81	171.0	51	30.5	12.1	618	3.77	10.9	1.4	2.6	7.0	8.8	0.38	0.60	0.31	47	0.12	0.033
1303062	Soil			1.01	8.61	29.47	705.3	85	12.4	6.1	2513	2.28	12.0	1.5	3.4	0.7	31.0	1.49	0.35	0.11	26	7.17	0.085
1303063	Soil			1.21	13.80	23.76	437.8	90	26.0	9.7	2018	3.90	13.6	2.4	1.5	3.2	12.4	0.66	0.47	0.25	50	1.50	0.064
1303064	Soil			0.68	12.85	64.91	19.0	11	19.3	8.9	237	3.05	10.9	0.9	0.3	4.6	13.5	0.04	0.24	0.31	11	0.09	0.021
1303065	Soil			1.45	18.88	20.96	80.2	110	25.8	9.7	321	3.09	8.9	0.9	0.9	6.0	7.9	0.10	0.52	0.32	44	0.07	0.025
1303066	Soil			1.28	38.25	29.06	117.8	225	40.4	18.6	743	4.50	12.0	1.1	2.1	6.9	11.0	0.24	0.70	0.31	49	0.08	0.052
1303067	Soil			1.53	20.68	26.29	104.0	254	32.0	13.7	476	3.97	10.1	0.9	0.8	5.4	14.7	0.16	0.65	0.30	54	0.05	0.043
1303068	Soil			0.54	35.20	22.78	65.8	48	28.9	14.2	537	3.80	12.7	0.7	0.6	4.6	12.4	0.04	0.34	0.48	21	0.06	0.015
1303069	Soil			0.73	27.92	24.55	83.0	130	33.8	11.6	274	3.14	9.3	1.9	0.9	6.2	123.7	0.08	0.28	0.32	18	3.17	0.030
1303070	Soil			0.39	17.50	20.51	56.3	135	17.8	7.7	236	2.27	6.5	1.6	0.9	3.6	140.5	0.14	0.20	0.26	17	4.94	0.043
1303071	Soil			0.38	19.12	26.55	54.1	142	22.7	8.8	347	2.89	5.6	1.7	0.3	2.6	136.1	0.26	0.30	0.26	23	2.61	0.062
1303072	Soil			1.27	30.00	22.82	93.0	132	35.8	13.6	539	3.45	11.8	2.7	1.6	3.6	46.2	0.18	0.76	0.26	38	0.80	0.052
1303073	Soil			1.07	35.02	18.84	104.3	180	32.3	11.4	479	3.15	10.6	4.9	2.9	2.4	49.9	0.36	0.71	0.24	42	0.96	0.080
1303074	Soil			0.72	32.52	15.28	75.7	138	29.1	11.0	412	2.81	8.8	3.6	4.6	3.1	43.3	0.23	0.45	0.21	43	1.14	0.067
1303075	Soil			0.38	25.23	13.57	74.7	38	28.1	10.8	332	2.74	6.0	2.0	11.7	5.2	32.6	0.29	0.25	0.17	44	0.87	0.027
1303076	Soil			0.36	33.55	15.72	83.0	90	34.5	12.1	301	3.01	7.8	2.0	8.0	6.5	29.4	0.16	0.28	0.20	44	0.66	0.037
1303077	Soil			0.37	25.83	13.53	80.9	72	28.8	10.7	411	2.84	7.4	3.3	8.1	4.6	41.1	0.25	0.25	0.18	47	1.03	0.036
1303078	Soil			0.35	14.77	10.76	94.1	33	29.2	11.2	389	2.85	2.9	1.1	2.1	6.2	28.8	0.23	0.19	0.16	42	0.61	0.023
1303079	Soil			0.70	51.59	27.72	100.0	95	40.3	15.5	619	3.61	13.3	1.5	2.7	6.5	48.4	0.11	0.58	0.36	23	1.64	0.064
1303080	Soil			1.25	20.38	56.03	88.6	34	18.4	15.9	963	3.48	6.5	0.7	0.8	3.1	5.4	0.10	0.49	0.34	36	0.04	0.037



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303051	Soil	4.5	15.7	3.20	164.4	0.004	5	0.88	0.007	0.11	<0.1	3.8	0.22	0.03	77	0.2	0.03	2.5	
1303052	Soil	4.4	10.2	4.50	201.1	0.004	4	0.68	0.007	0.11	<0.1	2.7	0.65	0.03	139	0.3	<0.02	1.9	
1303053	Soil	8.5	20.6	1.64	348.6	0.006	5	1.44	0.007	0.09	<0.1	3.0	0.56	0.06	295	0.4	<0.02	4.0	
1303054	Soil	5.2	11.0	5.64	109.2	0.005	3	0.70	0.008	0.05	<0.1	1.7	0.28	<0.02	157	0.3	0.03	1.8	
1303055	Soil	8.6	16.9	1.12	139.8	0.006	4	1.13	0.006	0.07	<0.1	2.4	0.24	0.08	77	0.2	<0.02	3.2	
1303056	Soil	8.8	13.2	4.75	84.4	0.005	4	0.83	0.007	0.06	<0.1	2.2	0.27	0.03	73	0.1	0.03	1.9	
1303057	Soil	6.6	11.6	5.81	79.7	0.004	4	0.70	0.008	0.07	<0.1	2.7	0.45	<0.02	130	0.2	0.02	1.8	
1303058	Soil	7.2	12.8	4.21	87.7	0.006	3	0.87	0.007	0.05	0.1	2.0	0.14	<0.02	36	0.1	0.03	2.8	
1303059	Soil	15.1	26.1	0.41	164.3	0.003	3	1.74	0.002	0.11	<0.1	4.4	0.22	<0.02	51	0.3	0.06	4.8	
1303060	Soil	16.6	27.1	0.46	222.7	0.010	3	1.55	0.005	0.11	0.2	4.3	0.30	<0.02	44	0.4	0.05	4.2	
1303061	Soil	18.3	30.7	0.42	167.2	0.010	2	2.09	0.003	0.08	0.2	4.4	0.23	<0.02	37	0.3	0.07	5.2	
1303062	Soil	7.0	12.6	5.31	92.3	0.008	3	0.93	0.009	0.06	<0.1	1.3	0.45	0.06	74	0.4	0.02	2.0	
1303063	Soil	17.8	33.5	1.29	169.3	0.006	2	2.34	0.003	0.11	0.1	5.0	0.27	0.04	127	0.4	0.04	6.3	
1303064	Soil	5.5	12.9	0.07	85.4	0.001	2	0.63	0.003	0.15	<0.1	2.7	0.28	0.16	8	0.1	0.04	1.9	
1303065	Soil	13.9	26.9	0.36	124.1	0.008	2	1.84	0.002	0.09	0.1	3.4	0.23	<0.02	25	0.4	0.03	5.9	
1303066	Soil	15.0	34.2	0.57	184.3	0.003	3	2.53	0.003	0.20	<0.1	5.9	0.22	<0.02	130	0.4	0.06	6.2	
1303067	Soil	12.3	30.8	0.35	153.2	0.007	2	2.35	0.002	0.11	0.1	3.9	0.20	<0.02	62	0.4	0.06	6.3	
1303068	Soil	5.6	18.7	0.36	85.7	0.001	2	1.40	0.001	0.10	<0.1	5.5	0.11	<0.02	20	0.3	0.10	3.9	
1303069	Soil	9.8	17.4	0.29	102.6	<0.001	2	1.11	0.002	0.09	<0.1	7.1	0.15	0.02	44	0.3	0.06	2.3	
1303070	Soil	9.5	12.8	0.21	193.0	<0.001	1	1.11	0.003	0.07	<0.1	4.5	0.10	0.04	46	0.4	0.08	2.2	
1303071	Soil	15.2	17.9	0.23	106.4	0.001	2	1.22	0.003	0.09	<0.1	4.2	0.10	0.06	64	0.6	0.05	2.9	
1303072	Soil	16.5	28.1	0.63	192.4	0.008	3	1.70	0.006	0.13	<0.1	4.4	0.14	0.03	64	0.6	0.05	4.7	
1303073	Soil	21.1	31.0	0.75	196.7	0.012	5	1.73	0.007	0.14	0.1	5.7	0.14	0.05	119	0.8	0.03	5.0	
1303074	Soil	21.9	37.7	1.39	175.8	0.009	3	1.97	0.005	0.12	0.1	5.5	0.13	0.04	85	0.6	0.03	6.0	
1303075	Soil	26.3	47.5	1.77	122.8	0.005	6	2.26	0.002	0.15	<0.1	5.9	0.17	0.02	48	0.4	<0.02	7.3	
1303076	Soil	33.1	52.6	2.18	135.1	0.008	5	2.48	0.002	0.19	<0.1	8.6	0.18	0.02	43	0.6	0.02	7.9	
1303077	Soil	29.4	51.0	2.00	154.3	0.009	5	2.49	0.003	0.15	<0.1	6.8	0.16	0.03	38	0.5	<0.02	8.1	
1303078	Soil	25.6	49.1	1.82	175.6	0.007	4	2.63	0.002	0.15	<0.1	4.9	0.18	<0.02	20	0.3	<0.02	8.3	
1303079	Soil	18.9	29.7	1.20	162.4	0.004	3	1.48	0.006	0.10	<0.1	7.3	0.10	0.02	67	0.5	0.03	4.8	
1303080	Soil	7.9	27.7	0.22	115.1	0.004	2	1.57	0.003	0.18	<0.1	2.8	0.23	<0.02	32	0.3	0.07	6.6	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303081	Soil			0.93	16.85	69.77	86.7	55	23.9	12.9	704	3.05	6.8	0.6	<0.2	2.2	6.5	0.17	0.38	0.29	26	0.12	0.079
1303082	Soil			1.31	19.27	83.21	157.6	33	31.6	15.8	1001	3.61	9.0	0.9	1.1	3.3	6.9	0.19	0.42	0.34	37	0.06	0.077
1303083	Soil			1.54	15.38	66.09	99.6	31	22.0	10.7	622	3.40	8.5	0.7	0.9	1.0	7.1	0.09	0.55	0.31	45	0.07	0.074
1303084	Soil			0.90	22.28	46.86	106.9	17	32.1	18.7	999	3.83	7.6	0.8	0.9	4.3	7.9	0.07	0.34	0.37	32	0.12	0.036
1303085	Soil			4.13	11.47	471.8	66.3	94	16.0	6.3	1544	2.26	16.9	2.8	1.0	4.5	24.4	0.18	0.31	0.16	24	3.94	0.130
1303086	Soil			1.18	13.78	52.11	106.0	131	18.7	8.2	448	2.25	8.4	1.1	0.7	3.0	22.6	0.18	0.33	0.21	25	3.93	0.068
1303087	Soil			0.91	3.84	144.9	359.7	38	4.2	2.0	1560	1.05	4.2	1.2	0.5	0.2	41.6	2.66	0.22	0.03	9	10.98	0.103
1303088	Soil			2.33	8.67	60.16	365.1	97	11.6	5.4	2889	1.79	10.3	1.7	0.8	0.4	31.9	1.62	0.40	0.10	22	6.62	0.133
1303089	Soil			1.67	13.72	121.4	697.2	136	15.9	7.1	4744	3.47	11.1	2.6	0.9	0.7	29.3	1.33	0.48	0.15	26	5.81	0.175
1303090	Soil			0.90	10.46	61.40	215.4	127	15.2	7.4	1767	2.76	8.2	1.3	0.4	1.3	19.9	0.45	0.42	0.19	30	4.20	0.105
1303091	Soil			1.49	26.47	42.85	413.2	241	27.5	10.0	866	3.21	10.7	2.3	1.5	1.8	15.9	0.52	0.47	0.27	34	0.88	0.139
1303092	Soil			1.03	16.08	77.02	219.3	34	27.0	13.6	949	3.94	9.6	1.2	1.5	3.2	10.6	0.14	0.47	0.37	39	0.29	0.075
1303093	Soil			1.70	17.10	20.48	118.2	65	23.3	9.2	459	3.03	12.5	1.5	1.1	1.8	13.2	0.14	0.46	0.26	41	0.26	0.108
1303094	Soil			0.53	38.74	28.43	112.4	130	30.3	12.1	611	2.97	5.8	2.0	8.0	3.5	22.9	0.40	0.26	0.22	32	1.00	0.091
1303095	Soil			0.67	30.13	25.84	126.0	121	25.7	11.5	616	2.64	6.1	1.4	8.3	3.2	30.3	0.31	0.31	0.23	24	2.74	0.070
1303096	Soil			0.60	25.39	16.97	104.0	113	21.6	7.2	303	2.45	5.6	6.3	3.8	1.4	42.4	0.30	0.32	0.20	31	1.13	0.123
1303097	Soil			1.01	17.85	19.63	97.3	112	23.6	9.5	536	2.75	8.4	1.9	2.0	2.0	19.3	0.17	0.44	0.23	35	0.51	0.069
1303098	Soil			0.59	29.09	19.79	154.5	74	23.7	8.3	354	2.25	4.7	2.0	3.6	1.7	45.7	0.56	0.28	0.18	26	1.88	0.087
1303099	Soil			0.27	20.21	8.14	91.8	38	29.0	8.7	170	2.50	1.7	1.2	3.5	4.0	13.9	0.21	0.21	0.20	26	0.38	0.074
1303100	Soil			0.60	35.13	26.74	116.3	168	19.5	8.2	544	2.49	7.4	10.7	2.4	1.3	46.3	0.24	0.34	0.27	32	1.26	0.135
1303101	Soil			0.22	33.66	11.60	86.3	34	36.1	10.5	133	2.64	1.5	1.2	2.0	4.4	23.0	0.12	0.20	0.20	19	0.87	0.080
1303102	Soil			0.19	18.99	10.15	100.5	29	36.6	10.5	123	2.64	1.7	1.6	2.3	3.5	29.1	0.18	0.17	0.22	19	0.96	0.081
1303103	Soil			0.41	17.61	16.80	97.5	80	31.6	9.6	417	3.42	4.0	1.3	1.1	2.6	8.1	0.13	0.20	0.29	25	0.11	0.114
1303104	Soil			0.30	31.97	18.76	84.5	66	38.6	12.1	314	2.83	3.6	1.8	1.3	2.4	36.7	0.14	0.19	0.26	17	1.23	0.132
1303105	Soil			0.89	35.13	20.55	64.7	101	33.0	16.5	460	4.21	7.0	0.5	1.3	1.7	8.9	0.15	0.62	0.26	36	0.04	0.061
1303106	Soil			1.17	24.85	15.52	45.7	145	19.0	11.9	549	3.59	6.3	0.4	0.6	1.0	6.4	0.14	0.62	0.27	51	0.04	0.058
1303107	Soil			1.15	46.64	27.58	92.2	59	38.0	16.9	372	4.69	7.6	0.5	1.0	2.3	7.9	0.15	0.55	0.29	34	0.02	0.048
1303108	Soil			1.71	11.86	10.32	52.1	33	15.9	5.4	256	2.55	8.6	0.7	1.2	0.3	9.7	0.11	0.71	0.28	61	0.08	0.059
1303109	Soil			1.06	18.74	15.75	84.1	132	30.1	9.4	397	2.73	9.3	1.1	1.8	2.7	26.8	0.17	0.54	0.21	39	0.54	0.106
1303110	Soil			1.93	24.61	18.62	99.8	73	32.6	16.7	1093	3.43	10.9	1.1	2.6	1.4	23.2	0.31	0.80	0.26	44	0.18	0.130



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1303081	Soil	12.8	27.4	0.43	189.6	0.003	4	1.72	0.002	0.20	<0.1	2.8	0.15	0.04	16	0.2	0.05	5.0	
1303082	Soil	10.9	31.0	0.42	143.2	0.003	4	2.35	0.003	0.20	<0.1	3.9	0.31	0.03	21	0.3	0.03	6.2	
1303083	Soil	10.3	29.5	0.33	117.2	0.005	2	1.89	0.003	0.15	<0.1	1.8	0.31	0.03	22	0.2	0.05	7.3	
1303084	Soil	8.8	32.4	0.49	185.1	0.002	3	2.25	0.004	0.21	<0.1	4.4	0.28	<0.02	16	0.2	0.04	6.8	
1303085	Soil	13.2	17.3	2.74	121.7	0.002	3	1.13	0.006	0.13	<0.1	4.1	0.40	0.03	105	0.3	0.03	2.4	
1303086	Soil	13.4	17.1	2.66	86.3	0.002	6	1.08	0.005	0.18	<0.1	4.4	0.39	0.04	33	0.4	0.03	2.9	
1303087	Soil	4.2	5.5	8.18	34.5	0.003	4	0.26	0.014	0.05	<0.1	0.6	0.59	0.07	37	0.4	<0.02	0.7	
1303088	Soil	10.0	12.8	4.63	85.6	0.006	3	0.88	0.009	0.05	<0.1	1.1	0.52	0.09	66	0.6	<0.02	1.8	
1303089	Soil	13.1	15.1	4.10	165.1	0.006	3	1.19	0.009	0.07	<0.1	1.7	2.04	0.10	77	0.6	0.03	2.8	
1303090	Soil	9.0	18.8	3.01	111.4	0.005	3	1.35	0.007	0.09	<0.1	2.4	0.38	0.06	33	0.3	0.03	3.6	
1303091	Soil	16.0	26.5	0.59	135.6	0.006	4	1.52	0.006	0.14	<0.1	3.5	1.15	0.08	63	0.6	0.04	4.3	
1303092	Soil	10.5	32.5	0.55	177.8	0.004	2	2.19	0.005	0.16	0.2	4.3	0.43	0.03	17	0.2	0.06	6.7	
1303093	Soil	20.3	32.6	0.47	178.2	0.004	3	1.82	0.002	0.17	<0.1	3.2	0.30	0.04	22	0.3	0.03	6.1	
1303094	Soil	36.7	36.6	0.57	165.1	0.002	3	1.02	0.002	0.15	<0.1	6.6	0.23	0.04	48	0.8	<0.02	3.6	
1303095	Soil	18.8	23.2	1.96	124.7	0.004	6	1.22	0.003	0.20	<0.1	5.4	0.25	0.02	52	0.6	0.03	3.7	
1303096	Soil	18.3	30.7	0.96	231.7	0.004	5	1.62	0.002	0.16	<0.1	3.5	0.17	0.10	45	1.5	0.03	5.0	
1303097	Soil	17.6	23.4	0.42	152.3	0.006	4	1.41	0.003	0.14	<0.1	3.7	0.18	0.03	47	0.5	0.04	4.3	
1303098	Soil	18.9	28.4	1.62	265.5	0.005	6	1.55	0.003	0.16	<0.1	3.7	0.14	0.08	32	1.3	0.02	4.8	
1303099	Soil	34.1	41.1	1.90	136.5	0.006	4	2.11	0.001	0.16	<0.1	5.6	0.11	0.04	21	0.4	0.03	6.4	
1303100	Soil	15.3	24.7	0.53	408.6	0.005	3	1.71	0.004	0.12	<0.1	3.2	0.20	0.10	54	0.7	0.03	4.7	
1303101	Soil	29.2	38.4	1.52	170.5	0.004	5	2.00	0.002	0.16	<0.1	6.1	0.10	0.05	19	0.3	<0.02	5.9	
1303102	Soil	18.3	35.5	1.26	128.9	0.003	4	2.07	0.002	0.14	<0.1	5.3	0.11	0.06	16	0.3	<0.02	5.9	
1303103	Soil	11.6	36.1	0.83	94.3	0.002	3	2.20	<0.001	0.15	<0.1	2.2	0.15	0.03	16	0.1	0.03	6.9	
1303104	Soil	14.9	32.1	1.03	95.5	0.003	6	1.81	0.002	0.15	<0.1	4.8	0.10	0.08	28	0.4	0.03	5.4	
1303105	Soil	9.7	22.8	0.37	52.4	0.004	4	1.52	0.001	0.13	<0.1	3.8	0.13	0.04	36	0.2	0.05	4.0	
1303106	Soil	10.2	21.7	0.20	66.3	0.008	3	1.16	0.001	0.11	<0.1	3.1	0.14	0.03	56	0.3	0.05	5.6	
1303107	Soil	12.2	19.9	0.25	92.7	0.001	2	1.55	<0.001	0.12	<0.1	5.7	0.23	0.02	37	0.6	0.05	3.9	
1303108	Soil	13.7	27.9	0.38	80.9	0.017	1	1.64	0.002	0.08	0.1	1.3	0.22	0.03	31	0.5	0.05	7.4	
1303109	Soil	14.4	25.8	0.49	197.7	0.008	3	0.87	0.006	0.11	0.1	4.0	0.16	0.04	45	0.4	0.03	4.6	
1303110	Soil	14.3	27.6	0.51	165.4	0.013	3	1.79	0.004	0.11	0.2	2.8	0.22	0.03	40	0.6	0.04	5.1	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000254.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303111	Soil			0.90	21.20	20.99	107.8	145	26.8	8.5	248	2.68	8.4	1.0	0.9	2.2	31.7	0.22	0.56	0.21	26	0.64	0.150
1303112	Soil			0.68	17.20	23.71	121.9	98	25.2	8.0	279	2.68	8.2	0.8	1.7	2.8	27.8	0.23	0.43	0.22	24	0.47	0.137
1303113	Soil			1.42	20.25	16.62	80.6	55	22.6	10.4	590	3.32	8.4	0.6	0.8	0.5	18.5	0.23	0.65	0.25	54	0.60	0.091
1303114	Soil			1.19	37.35	26.95	80.0	55	35.1	14.8	411	4.62	8.5	0.4	0.7	1.6	12.5	0.20	0.61	0.25	33	0.23	0.063
1303115	Soil			1.10	32.23	16.26	71.2	75	30.8	13.5	413	3.55	7.2	0.6	1.3	1.7	14.9	0.15	0.59	0.22	39	0.26	0.058
1303116	Soil			1.21	37.01	18.43	88.4	81	36.7	15.7	425	3.70	8.2	0.6	1.7	3.4	19.7	0.18	0.63	0.24	35	0.26	0.061
1303117	Soil			1.02	50.27	23.76	114.8	118	43.2	27.5	612	4.44	6.9	0.7	0.9	2.7	19.7	0.22	0.46	0.26	28	0.22	0.068
1303118	Soil			0.82	43.35	26.73	127.9	125	28.3	24.1	1499	5.09	6.3	0.5	0.8	0.6	10.9	0.29	0.52	0.23	36	0.04	0.103
1303119	Soil			1.00	47.10	23.68	118.9	69	33.0	22.4	572	4.64	6.9	0.6	1.0	0.9	42.0	0.16	0.65	0.25	44	0.46	0.068
1303120	Soil			0.64	37.92	73.91	89.5	94	32.8	18.7	501	4.34	8.3	1.1	0.9	2.0	69.1	0.27	0.54	0.26	41	0.87	0.078
1303121	Soil			1.70	24.42	297.6	1629	431	30.3	13.9	1920	4.06	37.3	1.2	1.2	0.9	51.2	8.31	4.97	0.22	44	1.81	0.127
1303122	Soil			0.91	21.72	60.83	754.8	224	22.2	14.9	1256	3.19	15.2	1.3	0.7	0.5	69.3	3.28	1.29	0.23	39	2.26	0.111
1303123	Soil			0.67	57.82	49.73	129.8	205	34.8	17.9	407	4.53	14.8	0.5	0.8	5.4	15.3	0.18	0.77	0.41	14	0.28	0.043
1303124	Soil			1.42	21.55	35.94	224.1	410	34.0	13.3	966	3.36	20.2	1.2	2.8	2.3	32.2	0.65	2.56	0.25	50	1.07	0.063
1303125	Soil			1.89	18.68	71.88	258.2	867	21.6	11.6	3787	4.47	38.5	1.4	1.5	0.7	55.2	1.11	10.88	0.21	46	2.43	0.140
1303126	Soil			0.62	10.49	28.12	153.8	358	11.5	5.7	1820	2.02	13.5	0.7	1.3	0.5	50.1	0.80	3.64	0.10	23	8.19	0.106
1303127	Soil			0.98	17.23	75.04	328.0	491	21.0	9.0	1204	2.68	28.2	0.9	1.8	2.1	66.9	0.87	6.97	0.16	32	5.94	0.129
1303128	Soil			1.12	14.12	128.2	382.2	592	16.3	8.3	3346	3.98	31.6	1.8	1.0	0.8	50.7	1.93	7.20	0.15	35	4.60	0.245
1303129	Soil			0.83	12.31	62.74	188.7	347	14.5	7.5	2184	3.01	17.7	1.7	1.3	0.5	32.3	1.15	5.31	0.14	36	5.98	0.120
1303130	Soil			1.06	12.68	22.69	78.3	275	22.9	8.7	693	3.07	14.7	1.2	1.4	1.3	25.8	0.22	1.18	0.22	54	0.91	0.080
1303131	Soil			1.51	12.15	33.42	174.0	188	17.0	10.2	1341	2.91	12.9	2.0	3.3	0.5	17.7	0.82	0.91	0.32	57	1.31	0.151
1303132	Soil			0.84	7.43	34.10	80.1	123	13.0	7.0	805	3.18	13.1	1.3	1.9	2.1	17.9	0.31	0.71	0.23	48	1.81	0.081
1303133	Soil			1.90	41.90	72.28	222.6	346	28.2	13.2	938	3.97	38.8	1.2	2.7	3.0	17.1	0.33	3.55	0.31	33	0.45	0.107
1303134	Soil			1.18	27.32	53.47	125.8	208	23.2	10.4	994	2.85	25.3	1.0	2.2	2.2	46.0	0.71	3.43	0.15	21	6.62	0.121
1303135	Soil			1.20	25.49	42.00	128.6	139	30.1	13.1	1163	3.71	23.2	1.3	3.2	2.0	18.3	0.60	2.00	0.23	43	0.42	0.175
1303136	Soil			1.55	34.15	117.3	305.9	258	29.2	12.8	2508	7.68	34.2	1.2	2.4	2.5	12.3	3.68	4.73	0.19	31	1.44	0.063
1303137	Soil			1.08	21.88	25.14	112.8	166	28.0	12.0	739	3.95	12.6	1.0	1.8	2.0	10.8	0.40	0.92	0.22	41	0.34	0.065
1303138	Soil			1.19	30.18	64.93	162.4	62	36.3	17.1	2218	6.80	23.2	1.0	2.1	4.9	7.0	0.79	2.18	0.22	38	0.10	0.059
1303139	Soil			1.03	18.64	50.16	130.9	168	19.1	9.4	1082	3.78	16.9	0.6	1.4	2.1	26.8	1.01	2.04	0.13	26	5.39	0.050



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000254.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1	0.01
1303111	Soil	9.9	20.6	0.47	120.3	0.006	4	1.33	0.005	0.13	<0.1	3.2	0.13	0.07	54	0.6	0.03	3.7	
1303112	Soil	9.9	21.0	0.46	125.9	0.003	4	1.47	0.003	0.15	<0.1	3.5	0.16	0.05	35	0.3	0.04	4.1	
1303113	Soil	8.8	25.4	0.36	155.7	0.006	3	1.57	0.002	0.13	<0.1	2.0	0.21	0.05	27	0.3	0.05	5.9	
1303114	Soil	8.0	20.7	0.31	88.7	0.003	3	1.43	<0.001	0.11	<0.1	4.2	0.14	0.03	20	0.3	0.05	3.6	
1303115	Soil	11.4	22.1	0.41	105.6	0.012	3	1.34	0.004	0.10	<0.1	4.5	0.12	0.02	24	0.3	0.05	3.8	
1303116	Soil	11.5	21.9	0.42	119.0	0.012	3	1.31	0.005	0.09	<0.1	5.6	0.15	<0.02	29	0.4	0.04	3.8	
1303117	Soil	6.8	21.2	0.40	75.9	0.004	3	1.49	0.002	0.12	<0.1	7.4	0.16	0.03	38	0.5	0.04	3.9	
1303118	Soil	3.2	23.6	0.21	83.4	0.004	3	1.49	0.002	0.13	<0.1	4.1	0.13	0.08	79	0.4	0.03	4.9	
1303119	Soil	5.6	27.5	0.34	71.4	0.005	3	1.88	0.002	0.13	<0.1	4.3	0.18	0.04	37	0.4	0.04	5.7	
1303120	Soil	15.3	26.2	0.36	147.3	0.004	2	1.83	0.002	0.11	<0.1	8.4	0.15	0.04	48	0.4	0.02	4.7	
1303121	Soil	19.0	25.1	0.69	208.4	0.008	4	1.84	0.004	0.09	0.1	4.3	0.26	0.08	320	0.9	0.05	3.8	
1303122	Soil	13.9	19.9	0.28	172.9	0.007	4	1.28	0.004	0.09	<0.1	3.0	0.25	0.10	144	0.8	0.04	3.7	
1303123	Soil	28.2	10.3	0.06	65.4	<0.001	3	0.42	0.001	0.14	<0.1	6.4	0.40	0.03	152	0.4	0.14	1.7	
1303124	Soil	17.4	28.2	0.76	197.3	0.018	2	1.77	0.008	0.08	0.2	4.4	0.39	0.03	223	0.6	0.05	5.0	
1303125	Soil	15.4	21.6	0.69	457.6	0.007	2	1.63	0.005	0.07	0.2	2.8	0.38	0.08	297	0.7	0.05	4.1	
1303126	Soil	7.1	11.1	4.51	79.9	0.009	2	0.85	0.011	0.05	0.1	1.7	0.23	0.03	198	0.4	0.03	1.8	
1303127	Soil	11.6	17.0	3.16	118.4	0.016	3	1.16	0.011	0.09	0.2	3.4	0.28	0.02	254	0.5	0.03	2.7	
1303128	Soil	13.3	19.6	1.96	201.3	0.010	2	1.72	0.007	0.06	0.2	2.6	0.25	0.07	337	0.7	0.03	2.9	
1303129	Soil	10.4	17.3	3.33	228.3	0.008	2	1.48	0.008	0.06	0.1	2.1	0.21	0.06	241	0.5	0.03	3.4	
1303130	Soil	15.7	27.0	0.50	206.3	0.014	2	1.85	0.006	0.06	0.2	4.0	0.26	0.04	94	0.5	0.03	5.3	
1303131	Soil	11.7	25.0	0.53	213.4	0.011	1	1.76	0.001	0.04	0.1	1.8	0.28	0.09	99	0.4	0.05	5.7	
1303132	Soil	10.7	20.0	1.07	190.8	0.009	2	1.47	0.001	0.04	0.1	3.7	0.26	0.03	63	<0.1	0.05	4.6	
1303133	Soil	15.4	16.2	0.22	203.7	0.003	2	1.12	<0.001	0.07	0.2	5.2	1.35	0.03	235	0.2	0.04	3.4	
1303134	Soil	8.6	12.1	4.13	114.5	0.005	3	0.65	0.008	0.05	<0.1	4.6	0.48	<0.02	197	0.4	<0.02	1.4	
1303135	Soil	18.2	25.2	0.48	208.8	0.010	2	1.64	0.002	0.06	0.2	4.7	0.28	0.02	126	<0.1	0.04	4.5	
1303136	Soil	13.1	17.6	1.01	153.0	0.004	2	1.10	0.001	0.07	0.2	6.3	0.53	0.03	557	0.3	0.04	2.4	
1303137	Soil	15.7	25.7	0.54	165.3	0.014	2	1.53	0.003	0.06	0.2	4.4	0.18	0.03	132	0.4	<0.02	4.5	
1303138	Soil	18.0	25.2	0.35	203.4	0.003	2	2.10	<0.001	0.07	0.1	6.3	0.48	0.03	124	0.3	<0.02	3.3	
1303139	Soil	10.1	14.4	3.57	320.4	0.006	6	0.89	0.006	0.07	0.1	4.3	0.27	0.02	180	0.3	<0.02	2.1	



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Project: CAR
Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000254.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1303625	Soil	1.24	23.68	63.45	270.4	41	31.4	14.5	1185	4.20	15.6	1.1	0.9	3.4	14.3	0.75	0.63	0.23	38	0.99	0.076
REP 1303625	QC	1.22	23.19	63.94	263.9	39	30.2	14.6	1173	4.17	15.6	1.0	0.9	3.4	13.7	0.73	0.62	0.23	38	0.97	0.078
1303639	Soil	1.22	27.21	27.20	93.9	26	29.4	16.5	831	4.16	7.6	1.0	0.2	2.7	8.8	0.17	0.33	0.26	33	0.08	0.105
REP 1303639	QC	1.23	26.98	27.39	93.4	31	29.9	17.1	839	4.15	7.4	1.0	0.5	2.7	8.8	0.15	0.35	0.25	33	0.09	0.103
1303661	Soil	5.28	10.41	20.27	173.8	66	18.8	8.9	446	3.99	14.8	1.8	<0.2	3.0	54.6	0.44	0.29	0.23	51	1.43	0.036
REP 1303661	QC	5.65	11.07	20.50	176.9	62	19.1	8.8	462	4.05	15.4	1.8	<0.2	3.1	56.1	0.44	0.29	0.23	51	1.45	0.039
1303675	Soil	0.81	44.85	23.59	81.4	92	40.2	17.6	704	3.62	16.1	3.5	1.1	3.7	48.7	0.06	0.66	0.38	17	0.39	0.031
REP 1303675	QC	0.83	45.75	24.15	83.2	100	40.4	17.9	716	3.67	16.6	3.5	1.2	3.9	48.0	0.06	0.68	0.38	17	0.40	0.031
1303677	Soil	1.46	13.41	267.4	856.3	88	15.8	7.7	1437	4.03	8.9	1.3	4.3	2.7	36.8	1.91	0.29	0.21	20	8.03	0.081
REP 1303677	QC	1.52	13.50	268.9	854.5	92	16.1	7.8	1451	4.04	9.1	1.3	1.8	2.6	38.1	2.03	0.28	0.21	20	8.13	0.083
1303697	Soil	0.34	31.54	15.07	85.0	81	32.6	12.8	389	2.97	7.6	2.7	16.9	6.7	33.0	0.20	0.28	0.18	53	0.63	0.029
REP 1303697	QC	0.30	31.05	15.69	82.8	80	31.9	11.8	389	2.99	7.6	2.8	2.9	6.6	33.8	0.18	0.28	0.18	53	0.64	0.028
1303711	Soil	1.14	20.28	39.21	186.6	39	30.8	13.9	633	3.17	9.0	1.0	1.3	2.9	11.2	0.27	0.63	0.30	38	0.28	0.063
REP 1303711	QC	1.11	20.13	39.90	181.1	50	30.8	13.5	640	3.17	9.0	1.0	0.7	3.0	11.8	0.25	0.65	0.30	38	0.29	0.062
1303733	Soil	0.19	40.68	20.91	96.6	49	48.2	15.6	758	3.15	2.6	1.1	2.9	10.0	36.5	0.15	0.10	0.18	16	2.16	0.074
REP 1303733	QC	0.20	40.77	20.02	94.9	54	48.4	16.2	747	3.14	2.3	1.1	2.4	10.1	35.9	0.16	0.09	0.18	16	2.17	0.072
1303747	Soil	1.16	32.21	138.4	580.1	470	25.5	16.2	665	3.78	56.5	0.9	1.7	1.4	32.4	3.42	2.01	0.23	35	1.31	0.089
REP 1303747	QC	1.13	32.97	130.2	586.1	467	25.0	16.3	668	3.73	54.8	0.9	1.4	1.4	31.0	3.37	2.06	0.22	34	1.31	0.087
1303769	Soil	2.02	23.89	73.70	436.2	370	19.8	10.5	712	4.00	28.4	1.1	0.8	1.5	18.7	1.22	4.37	0.23	45	2.01	0.100
REP 1303769	QC	2.03	23.23	73.86	441.9	373	20.2	10.8	684	4.00	27.9	1.1	0.8	1.5	19.6	1.31	4.34	0.23	46	2.02	0.102
1303004	Soil	0.38	1.88	22.46	128.9	21	1.8	1.6	726	0.65	3.4	0.7	0.2	0.4	47.8	0.41	0.04	0.03	7	15.51	0.076
REP 1303004	QC	0.39	1.97	22.08	130.7	20	1.3	1.4	702	0.66	3.6	0.7	0.3	0.4	45.2	0.40	0.05	0.03	7	15.25	0.075
1303033	Soil	0.77	29.98	26.23	162.0	184	52.5	18.8	691	3.18	9.0	1.8	1.4	2.8	35.6	0.53	0.36	0.21	36	0.83	0.077
REP 1303033	QC	0.78	29.78	26.64	155.1	184	51.3	18.4	691	3.15	9.2	1.8	1.4	2.8	35.9	0.55	0.35	0.21	36	0.83	0.078
1303047	Soil	0.51	30.42	16.91	86.8	126	25.0	10.9	365	2.65	8.2	2.2	1.6	2.1	64.9	0.26	0.40	0.19	26	1.54	0.061
REP 1303047	QC	0.51	31.11	16.72	85.9	132	24.9	10.9	366	2.63	8.2	2.2	2.0	2.1	65.7	0.24	0.42	0.18	26	1.51	0.061
1303071	Soil	0.38	19.12	26.55	54.1	142	22.7	8.8	347	2.89	5.6	1.7	0.3	2.6	136.1	0.26	0.30	0.26	23	2.61	0.062
REP 1303071	QC	0.39	19.97	26.52	56.9	151	24.4	9.0	357	2.89	5.8	1.7	0.9	2.3	140.8	0.27	0.28	0.26	23	2.61	0.063

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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn		
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01		
Pulp Duplicates																				
1303625	Soil	10.5	28.0	0.87	187.3	0.002	3	1.96	0.002	0.15	<0.1	4.9	0.26	0.03	71	0.1	0.06	4.9		
REP 1303625	QC	10.2	27.1	0.85	184.2	0.002	3	1.95	0.002	0.14	<0.1	4.8	0.26	0.03	64	0.1	0.05	5.0		
1303639	Soil	8.2	28.5	0.37	162.6	0.003	4	1.77	0.002	0.16	<0.1	5.1	0.21	0.05	20	0.2	0.07	5.6		
REP 1303639	QC	8.4	29.4	0.37	173.0	0.003	4	1.76	0.002	0.16	<0.1	5.4	0.21	0.05	22	0.1	0.05	5.3		
1303661	Soil	19.5	33.2	0.59	184.0	0.010	3	1.78	0.003	0.08	0.1	4.6	0.30	<0.02	202	0.2	0.09	5.0		
REP 1303661	QC	20.1	33.8	0.61	184.7	0.008	3	1.82	0.003	0.09	0.1	4.9	0.31	0.02	196	0.2	0.06	4.9		
1303675	Soil	7.8	18.5	0.37	50.4	0.002	<1	1.02	0.005	0.07	<0.1	5.5	0.07	<0.02	64	0.6	0.06	3.0		
REP 1303675	QC	7.7	19.3	0.38	50.3	0.002	2	1.02	0.005	0.07	<0.1	5.6	0.06	<0.02	77	0.5	0.06	3.2		
1303677	Soil	9.1	14.2	4.82	87.8	0.006	6	0.90	0.006	0.08	<0.1	3.7	0.65	0.03	60	0.7	<0.02	2.4		
REP 1303677	QC	9.2	13.9	4.79	91.6	0.006	6	0.90	0.006	0.08	<0.1	3.7	0.66	0.03	62	0.6	<0.02	2.4		
1303697	Soil	32.0	53.4	2.41	131.5	0.012	6	2.70	0.001	0.16	<0.1	7.2	0.15	<0.02	34	0.4	<0.02	8.3		
REP 1303697	QC	32.8	54.4	2.41	133.8	0.012	6	2.68	0.001	0.15	<0.1	7.3	0.15	0.02	28	0.5	<0.02	8.2		
1303711	Soil	13.3	29.5	0.57	138.7	0.010	3	1.67	0.003	0.13	0.2	3.5	0.17	0.02	32	0.2	0.03	5.4		
REP 1303711	QC	13.6	30.4	0.57	144.3	0.010	4	1.70	0.003	0.13	0.2	3.5	0.18	0.02	26	0.2	<0.02	5.5		
1303733	Soil	16.1	38.6	1.65	86.4	0.004	4	1.65	0.001	0.13	<0.1	5.8	0.06	<0.02	40	0.1	0.03	5.3		
REP 1303733	QC	16.0	39.3	1.65	84.8	0.004	4	1.66	0.001	0.13	<0.1	5.8	0.06	<0.02	21	<0.1	0.02	5.4		
1303747	Soil	12.4	27.2	0.31	163.0	0.008	2	1.54	<0.001	0.07	0.1	5.3	0.30	0.06	270	0.5	0.03	3.9		
REP 1303747	QC	11.8	27.2	0.33	159.1	0.008	2	1.51	<0.001	0.07	0.1	5.1	0.28	0.06	265	0.5	0.05	3.9		
1303769	Soil	12.6	20.0	0.98	161.5	0.003	3	1.24	0.003	0.06	0.1	4.6	0.60	0.05	222	0.7	0.03	3.5		
REP 1303769	QC	12.5	20.0	0.99	159.4	0.004	3	1.27	0.003	0.06	0.1	4.7	0.64	0.05	239	0.6	0.05	3.6		
1303004	Soil	3.2	3.5	9.58	33.7	0.002	2	0.14	0.007	0.02	<0.1	1.0	0.11	<0.02	10	0.6	<0.02	0.3		
REP 1303004	QC	3.2	3.7	9.37	33.7	0.002	2	0.14	0.008	0.02	<0.1	1.0	0.11	<0.02	15	0.5	<0.02	0.3		
1303033	Soil	11.5	25.2	0.44	160.3	0.006	3	1.99	0.004	0.07	0.1	6.2	0.16	0.05	76	0.4	0.08	4.1		
REP 1303033	QC	11.5	24.4	0.45	158.3	0.006	3	1.99	0.004	0.07	0.1	6.3	0.17	0.05	74	0.5	0.05	4.2		
1303047	Soil	8.1	20.5	0.53	127.9	0.004	4	1.26	0.004	0.08	<0.1	4.4	0.06	0.05	56	0.6	<0.02	3.9		
REP 1303047	QC	8.4	21.1	0.52	134.5	0.004	4	1.27	0.005	0.08	<0.1	4.5	0.07	0.05	71	0.6	0.05	3.7		
1303071	Soil	15.2	17.9	0.23	106.4	0.001	2	1.22	0.003	0.09	<0.1	4.2	0.10	0.06	64	0.6	0.05	2.9		
REP 1303071	QC	15.6	18.3	0.24	112.0	0.001	3	1.24	0.003	0.10	<0.1	4.2	0.11	0.06	68	0.6	0.04	3.2		

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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303085	Soil	4.13	11.47	471.8	66.3	94	16.0	6.3	1544	2.26	16.9	2.8	1.0	4.5	24.4	0.18	0.31	0.16	24	3.94	0.130	
REP 1303085	QC	4.27	12.10	469.3	69.1	90	16.2	6.4	1549	2.26	17.0	2.9	0.6	4.5	25.6	0.18	0.31	0.17	24	4.00	0.131	
1303107	Soil	1.15	46.64	27.58	92.2	59	38.0	16.9	372	4.69	7.6	0.5	1.0	2.3	7.9	0.15	0.55	0.29	34	0.02	0.048	
REP 1303107	QC	1.18	45.67	27.11	91.6	51	37.5	16.6	377	4.65	7.6	0.5	1.1	2.3	7.9	0.15	0.55	0.27	34	0.02	0.048	
1303120	Soil	0.64	37.92	73.91	89.5	94	32.8	18.7	501	4.34	8.3	1.1	0.9	2.0	69.1	0.27	0.54	0.26	41	0.87	0.078	
REP 1303120	QC	0.67	39.35	76.09	92.7	99	34.8	18.8	504	4.42	8.6	1.2	0.9	1.9	72.7	0.26	0.58	0.26	41	0.87	0.082	
Reference Materials																						
STD CDN-ME-14	Standard																					
STD CDN-ME-9	Standard																					
STD CDN-ME-9	Standard																					
STD CDN-ME-14	Standard																					
STD DS9	Standard	13.29	104.9	127.6	305.6	1929	39.5	7.6	587	2.32	24.7	2.8	126.0	6.3	70.0	2.34	5.16	5.89	40	0.74	0.085	
STD DS9	Standard	12.98	105.8	110.5	310.0	1859	38.0	7.4	575	2.26	25.2	2.2	127.4	5.4	58.5	2.34	4.89	5.48	38	0.72	0.081	
STD DS9	Standard	14.74	120.2	128.1	309.0	1854	43.7	8.4	594	2.37	25.6	3.2	121.8	7.6	76.4	2.38	6.28	7.08	41	0.76	0.083	
STD DS9	Standard	14.42	114.6	133.3	308.1	1989	42.0	7.8	592	2.38	25.8	2.6	130.9	7.2	67.4	2.53	5.42	5.97	40	0.75	0.086	
STD DS9	Standard	14.08	112.7	118.4	302.8	1789	42.2	7.9	577	2.26	24.1	2.5	120.8	6.0	69.5	2.30	5.58	6.41	40	0.72	0.076	
STD DS9	Standard	13.35	108.0	113.6	310.1	1938	39.1	7.7	587	2.32	25.6	2.3	121.1	5.6	67.4	2.43	4.77	5.82	39	0.73	0.077	
STD DS9	Standard	14.49	108.6	124.7	313.9	1929	43.1	8.3	593	2.36	25.6	2.8	119.0	6.7	78.0	2.27	5.69	6.63	42	0.77	0.084	
STD DS9	Standard	12.58	102.6	120.9	303.1	1768	38.4	7.3	547	2.20	23.3	2.6	116.9	6.2	65.6	2.13	5.21	6.31	39	0.69	0.079	
STD DS9	Standard	13.66	103.8	116.0	319.2	1827	40.5	7.3	581	2.32	23.1	2.3	111.2	5.8	74.0	2.06	5.13	5.80	41	0.78	0.083	
STD DS9	Standard	12.71	109.6	126.1	309.1	1880	39.8	7.7	569	2.32	25.5	2.8	119.3	5.7	58.4	2.26	5.05	4.62	41	0.72	0.078	
STD DS9	Standard	14.13	106.1	131.5	316.3	1961	42.5	7.5	615	2.40	26.3	2.7	125.4	6.4	77.8	2.35	5.09	6.73	42	0.76	0.088	
STD DS9	Standard	14.05	104.8	134.2	309.6	1913	39.7	7.5	578	2.38	26.2	3.0	120.0	7.4	81.6	2.48	5.94	7.78	40	0.71	0.085	
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	
STD CDN-ME-9 Expected																						
STD CDN-ME-14 Expected																						
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.10	0.09	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.09	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1303085	Soil	13.2	17.3	2.74	121.7	0.002	3	1.13	0.006	0.13	<0.1	4.1	0.40	0.03	105	0.3	0.03	2.4	
REP 1303085	QC	13.3	17.8	2.77	122.2	0.002	3	1.15	0.006	0.14	<0.1	4.4	0.41	0.03	108	0.3	0.03	2.5	
1303107	Soil	12.2	19.9	0.25	92.7	0.001	2	1.55	<0.001	0.12	<0.1	5.7	0.23	0.02	37	0.6	0.05	3.9	
REP 1303107	QC	11.9	19.4	0.25	92.3	0.001	2	1.55	<0.001	0.12	<0.1	5.7	0.23	0.02	33	0.5	0.06	3.7	
1303120	Soil	15.3	26.2	0.36	147.3	0.004	2	1.83	0.002	0.11	<0.1	8.4	0.15	0.04	48	0.4	0.02	4.7	
REP 1303120	QC	15.9	26.3	0.37	148.2	0.004	3	1.82	0.002	0.11	<0.1	8.2	0.15	0.04	43	0.4	0.03	4.8	
Reference Materials																			
STD CDN-ME-14	Standard																		3.31
STD CDN-ME-9	Standard																		0.01
STD CDN-ME-9	Standard																		0.01
STD CDN-ME-14	Standard																		3.28
STD DS9	Standard	14.1	116.1	0.62	311.4	0.110	2	0.97	0.088	0.40	2.9	2.8	5.80	0.17	185	5.4	5.13	4.8	
STD DS9	Standard	12.2	112.0	0.61	293.0	0.099	2	0.95	0.087	0.40	3.1	2.6	5.74	0.16	219	5.5	5.07	4.7	
STD DS9	Standard	16.0	119.0	0.66	303.6	0.135	3	0.99	0.093	0.41	3.2	2.9	5.45	0.17	199	5.6	5.33	4.7	
STD DS9	Standard	13.6	122.1	0.63	315.3	0.113	3	0.97	0.089	0.41	3.2	2.7	5.79	0.17	222	5.7	5.67	4.9	
STD DS9	Standard	13.7	117.0	0.62	299.1	0.127	1	0.96	0.085	0.39	3.1	2.3	5.58	0.16	197	5.0	5.02	4.5	
STD DS9	Standard	13.3	117.9	0.62	296.9	0.108	2	0.99	0.095	0.40	2.7	2.8	5.54	0.16	226	5.5	5.38	4.7	
STD DS9	Standard	15.7	122.9	0.65	319.3	0.126	3	1.01	0.091	0.41	3.3	2.8	5.76	0.17	213	5.5	5.32	5.1	
STD DS9	Standard	12.6	108.0	0.59	282.7	0.101	2	0.92	0.082	0.38	3.0	2.3	5.62	0.16	208	5.3	4.91	4.6	
STD DS9	Standard	13.9	118.1	0.64	306.7	0.121	3	1.04	0.097	0.42	2.9	2.7	5.30	0.16	202	5.1	4.90	5.0	
STD DS9	Standard	13.1	115.8	0.62	293.7	0.109	2	0.96	0.088	0.40	3.1	2.0	5.64	0.17	178	5.4	5.08	4.8	
STD DS9	Standard	14.1	120.7	0.63	302.0	0.112	3	0.99	0.088	0.41	3.3	2.8	6.14	0.17	225	6.0	5.51	5.0	
STD DS9	Standard	16.2	109.8	0.64	332.9	0.115	3	1.10	0.088	0.45	2.8	2.7	5.56	0.16	205	5.3	5.59	4.9	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD CDN-ME-9 Expected																			0.0125
STD CDN-ME-14 Expected																			3.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	



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Project: CAR
Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000254.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
BLK	Blank	<0.01	0.03	0.03	0.2	4	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.05	0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.02	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	9	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				



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Project: CAR
Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000254.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.01
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.01



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 10, 2012
Report Date: August 15, 2012
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI12000255.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-1
P.O. Number
Number of Samples: 113

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	113	Dry at 60C			WHI
SS80	113	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	112	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	113	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000255.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300001	Soil			0.49	23.77	22.60	67.5	165	22.7	13.8	776	2.45	4.6	0.5	0.6	3.0	16.6	0.07	0.39	0.24	16	0.34	0.043
1300002	Soil			0.69	25.52	42.96	71.3	125	21.7	16.5	3097	2.66	8.0	0.9	0.5	1.5	28.1	0.16	0.33	0.27	17	1.36	0.082
1300003	Soil			0.85	14.74	58.03	85.3	68	13.4	10.4	651	3.40	8.2	0.5	<0.2	1.0	16.3	0.19	0.36	0.35	25	0.14	0.077
1300004	Soil			1.94	23.94	69.38	95.3	65	17.1	19.7	1575	3.47	21.0	0.8	<0.2	0.9	18.1	0.22	0.51	0.38	31	0.14	0.070
1300005	Soil			1.68	63.79	29.46	78.5	82	30.7	15.2	1549	3.51	10.0	2.9	<0.2	4.4	77.1	0.21	0.51	0.31	25	2.23	0.064
1300006	Soil			1.60	27.28	25.32	101.7	108	36.6	13.1	970	3.47	11.3	1.3	0.4	3.2	24.4	0.46	0.61	0.24	39	0.95	0.074
1300007	Soil			0.89	31.04	25.51	89.7	62	24.1	11.2	564	3.21	8.0	1.1	0.6	3.7	16.2	0.09	0.35	0.30	31	0.35	0.057
1300008	Soil			0.91	37.26	30.74	99.7	46	33.5	18.6	1210	3.59	8.7	0.8	0.4	4.7	17.1	0.15	0.38	0.35	30	0.32	0.051
1300009	Soil			1.15	20.75	33.59	107.5	71	24.2	11.9	842	3.26	9.8	0.8	0.7	1.6	14.5	0.16	0.59	0.28	44	0.25	0.064
1300010	Soil			0.90	23.43	45.58	107.1	25	26.7	22.3	1937	4.05	7.8	0.6	<0.2	3.3	5.7	0.09	0.39	0.35	36	0.04	0.056
1300011	Soil			1.77	10.00	17.62	64.5	66	10.9	8.1	844	2.64	7.7	0.6	0.3	2.1	6.7	0.14	0.62	0.28	48	0.05	0.040
1300012	Soil			0.94	53.53	53.60	122.9	49	32.1	18.2	1305	3.51	11.6	1.7	2.0	4.8	29.2	0.13	0.52	0.34	35	0.25	0.064
1300013	Soil			0.82	20.81	32.88	109.2	28	28.4	21.3	1144	3.48	6.8	0.8	2.1	4.1	6.5	0.13	0.42	0.31	34	0.07	0.053
1300014	Soil			1.05	36.08	29.54	117.5	37	20.7	19.1	1303	3.67	7.7	0.7	1.0	3.0	5.6	0.16	0.50	0.34	38	0.03	0.061
1300015	Soil			1.00	16.33	20.72	78.2	43	10.6	10.0	906	4.03	11.0	0.5	<0.2	2.5	5.9	0.06	0.36	0.33	39	0.03	0.050
1300016	Soil			1.16	10.23	22.78	82.1	44	9.5	5.0	368	2.72	5.1	0.7	0.9	2.1	6.1	0.11	0.40	0.25	42	0.04	0.048
1300017	Soil			0.81	16.99	30.06	104.6	70	19.4	14.0	892	3.93	6.8	0.5	0.3	2.8	6.3	0.27	0.27	0.40	33	0.03	0.039
1300018	Soil			0.81	32.59	25.00	88.4	81	30.0	26.9	2318	3.72	7.1	1.2	0.3	3.9	14.7	0.10	0.34	0.35	28	0.12	0.059
1300019	Soil			1.78	35.78	152.1	237.7	44	20.8	9.7	922	3.35	16.8	2.4	0.4	1.7	18.0	0.50	0.45	0.30	28	0.29	0.136
1300020	Soil			0.47	14.13	64.46	158.6	46	15.0	8.6	835	2.12	6.0	0.5	<0.2	1.9	26.7	0.35	0.16	0.18	13	8.81	0.050
1300021	Soil			1.67	2.59	1005	711.5	67	2.3	1.3	1624	2.33	4.8	1.4	<0.2	0.4	38.5	6.28	0.04	<0.02	3	15.16	0.067
1300022	Soil			0.58	3.34	637.7	2060	81	3.8	2.1	1771	2.69	3.7	1.1	<0.2	0.7	33.6	8.09	0.11	<0.02	7	13.43	0.056
1300023	Soil			1.73	12.30	72.23	1600	162	16.1	7.5	2183	4.44	13.0	2.0	0.6	1.3	27.0	1.84	0.43	0.15	33	6.83	0.125
1300024	Soil			2.07	6.00	1919	5995	171	8.5	4.5	3998	7.31	8.6	2.2	<0.2	0.6	27.7	17.94	0.30	0.07	22	10.83	0.092
1300025	Soil			0.79	3.47	130.6	2841	78	4.5	2.3	2984	4.09	4.5	1.5	<0.2	0.4	21.9	8.10	0.13	0.03	13	9.32	0.064
1300026	Soil			0.84	16.55	70.44	1239	133	19.3	8.8	2569	4.59	8.9	1.8	1.3	2.2	34.7	3.53	0.45	0.12	31	8.46	0.083
1300027	Soil			0.91	15.46	72.92	549.7	210	20.6	7.1	2241	4.52	9.9	1.8	0.8	1.7	31.5	1.27	0.40	0.12	26	6.30	0.092
1300028	Soil			1.36	15.71	23.87	90.5	52	18.6	9.8	300	4.25	14.3	0.4	<0.2	2.9	7.7	0.17	0.64	0.28	48	0.10	0.031
1300029	Soil			0.55	20.62	27.52	80.9	121	23.7	9.9	267	2.91	8.3	0.8	0.3	2.1	69.0	0.19	0.38	0.25	22	1.64	0.048
1300030	Soil			0.67	27.02	28.52	80.8	186	28.8	12.3	208	2.49	7.9	2.1	2.4	3.2	156.9	0.15	0.44	0.22	12	4.74	0.057



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000255.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	
1300001	Soil	10.2	17.7	0.65	137.1	0.003	6	1.28	0.003	0.13	<0.1	4.7	0.14	0.03	37	0.3	0.02	3.6
1300002	Soil	9.9	16.7	0.59	106.7	0.003	6	1.44	0.003	0.10	<0.1	4.8	0.14	0.07	40	0.3	0.02	3.9
1300003	Soil	5.6	20.6	0.34	135.7	0.004	4	1.32	0.006	0.10	<0.1	1.7	0.12	0.06	25	0.2	0.04	5.4
1300004	Soil	6.0	23.4	0.31	181.0	0.008	3	1.24	0.005	0.12	<0.1	1.7	0.15	0.05	25	0.3	0.08	6.4
1300005	Soil	10.1	28.2	0.67	294.3	0.008	9	1.02	0.009	0.17	0.2	5.3	0.18	0.06	32	0.5	0.06	3.5
1300006	Soil	16.3	32.6	0.63	254.9	0.009	4	1.70	0.005	0.11	0.2	5.1	0.19	0.03	39	0.4	0.06	4.4
1300007	Soil	8.2	30.4	0.44	362.9	0.008	3	1.38	0.006	0.12	0.2	4.4	0.13	<0.02	24	0.2	0.04	4.8
1300008	Soil	8.2	28.7	0.54	179.3	0.007	3	1.61	0.005	0.14	0.1	5.5	0.12	<0.02	27	0.2	0.04	5.5
1300009	Soil	9.9	30.7	0.45	172.8	0.010	3	1.72	0.003	0.10	0.2	3.0	0.19	<0.02	33	0.2	0.04	5.9
1300010	Soil	6.3	30.6	0.44	76.4	0.006	3	1.83	0.003	0.13	0.1	3.4	0.17	<0.02	28	0.3	0.05	6.5
1300011	Soil	11.6	21.9	0.18	70.3	0.020	1	1.19	0.002	0.07	0.2	1.9	0.17	<0.02	33	0.3	0.05	6.7
1300012	Soil	12.2	30.9	0.53	194.3	0.010	3	1.64	0.004	0.12	0.2	6.6	0.15	<0.02	43	0.2	0.02	5.8
1300013	Soil	6.8	29.7	0.44	96.2	0.008	2	1.49	0.005	0.15	0.2	3.7	0.18	<0.02	21	0.1	0.04	5.6
1300014	Soil	6.2	27.0	0.29	69.0	0.007	2	1.59	0.004	0.11	0.1	3.4	0.20	0.03	33	0.3	0.05	6.2
1300015	Soil	7.4	23.3	0.16	42.1	0.006	2	1.33	0.003	0.07	<0.1	2.5	0.16	<0.02	25	0.2	0.02	7.9
1300016	Soil	9.5	23.0	0.12	83.3	0.007	2	1.33	0.002	0.10	0.1	2.4	0.23	<0.02	44	0.2	0.05	6.8
1300017	Soil	6.4	30.3	0.33	66.2	0.006	3	1.68	0.004	0.14	<0.1	3.5	0.17	<0.02	30	0.2	0.04	7.8
1300018	Soil	7.6	33.5	0.42	151.4	0.005	3	2.00	0.004	0.19	<0.1	6.0	0.19	0.02	37	0.3	<0.02	6.7
1300019	Soil	7.3	21.1	0.28	193.3	0.004	5	1.31	0.004	0.17	0.1	6.1	0.32	0.08	36	0.3	0.05	3.9
1300020	Soil	5.7	9.9	4.67	35.6	0.001	6	0.43	0.009	0.19	<0.1	4.6	0.64	0.03	28	0.2	0.05	1.6
1300021	Soil	2.9	2.3	7.78	10.1	0.001	3	0.10	0.008	0.02	<0.1	0.5	0.50	0.06	33	0.4	<0.02	0.4
1300022	Soil	3.8	3.9	6.78	15.5	0.004	3	0.19	0.009	0.02	<0.1	0.8	0.40	0.04	59	0.4	<0.02	0.7
1300023	Soil	12.1	18.6	3.63	139.7	0.008	3	1.13	0.008	0.06	<0.1	3.0	0.86	0.05	85	0.5	0.03	3.1
1300024	Soil	7.3	11.0	5.43	87.5	0.008	3	0.74	0.012	0.02	<0.1	1.5	0.82	0.12	155	0.7	0.03	2.3
1300025	Soil	5.3	6.2	4.78	56.1	0.005	2	0.39	0.008	0.02	<0.1	1.0	0.52	0.06	55	0.5	0.03	1.1
1300026	Soil	10.4	16.7	4.45	98.5	0.005	3	1.08	0.008	0.08	<0.1	3.8	0.49	0.03	106	0.5	<0.02	2.8
1300027	Soil	10.5	15.9	3.27	100.3	0.011	3	0.83	0.008	0.05	<0.1	3.5	0.65	0.03	55	0.5	0.04	2.1
1300028	Soil	8.0	24.3	0.29	61.5	0.006	3	1.62	0.001	0.09	0.1	2.7	0.17	<0.02	16	0.3	0.07	5.9
1300029	Soil	8.9	16.1	0.23	102.2	0.002	5	0.99	0.003	0.08	<0.1	3.8	0.13	0.05	86	0.4	0.06	2.9
1300030	Soil	8.2	12.2	0.57	77.9	0.001	6	0.73	0.003	0.11	<0.1	3.6	0.14	0.05	94	0.7	0.03	2.1

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000255.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300033	Soil			2.45	21.57	16.17	76.8	131	26.9	11.7	481	2.72	8.9	1.6	<0.2	2.5	55.8	0.31	0.52	0.12	39	6.47	0.139
1300034	Soil			1.18	25.40	83.18	160.6	114	28.7	12.7	754	3.26	7.6	1.0	<0.2	3.6	39.8	0.24	0.41	0.31	32	2.21	0.081
1300035	Soil			2.36	25.60	18.88	88.4	156	30.2	13.4	594	3.01	9.5	1.5	<0.2	2.5	46.2	0.34	0.60	0.17	37	3.71	0.132
1300036	Soil			1.11	27.46	67.32	179.2	85	28.3	13.7	717	3.43	7.7	1.2	0.4	3.2	39.9	0.29	0.40	0.29	29	0.98	0.070
1300037	Soil			0.69	12.99	247.9	563.0	72	16.9	9.4	833	2.34	5.8	0.7	0.3	1.8	25.2	0.90	0.28	0.17	21	3.33	0.117
1300038	Soil			0.72	33.39	25.16	115.1	126	28.8	14.0	617	2.63	7.3	0.6	1.5	4.0	113.7	0.41	0.59	0.17	29	5.59	0.066
1300039	Soil			0.70	32.88	24.13	115.3	133	25.6	12.7	540	2.78	8.2	0.7	3.8	4.2	130.0	0.41	0.70	0.25	29	5.53	0.065
1300040	Soil			1.55	7.05	734.8	2557	64	7.3	4.0	4234	4.78	5.8	1.2	1.6	0.3	28.1	8.65	0.19	0.09	9	6.97	0.101
1300041	Soil			1.07	23.42	52.81	197.7	62	21.1	9.8	766	2.34	6.4	0.8	1.3	2.0	41.1	0.60	0.37	0.18	19	3.87	0.083
1300042	Soil			0.58	16.30	67.05	282.8	57	13.8	6.7	948	2.51	5.2	0.7	1.3	1.7	72.6	0.65	0.31	0.11	15	5.79	0.050
1300043	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300044	Soil			1.11	20.80	87.18	300.4	81	20.6	9.8	814	2.42	6.5	0.9	1.3	1.6	42.2	0.90	0.37	0.16	19	4.40	0.092
1300045	Soil			1.65	16.18	20.00	122.1	87	31.2	10.7	323	3.03	7.5	1.8	0.5	3.1	32.8	0.31	0.40	0.23	29	1.67	0.094
1300046	Soil			1.40	19.65	32.33	119.0	53	21.0	9.4	945	2.59	8.6	1.2	0.7	1.4	51.5	0.48	0.36	0.16	20	3.72	0.086
1300047	Soil			1.26	23.56	18.10	106.1	223	23.2	11.1	342	2.54	7.1	1.6	5.0	1.8	65.7	0.22	0.51	0.16	37	1.17	0.060
1298501	Soil			0.59	13.82	18.95	67.7	138	15.5	9.7	923	2.19	4.0	0.8	0.6	1.3	28.1	0.24	0.38	0.20	20	0.88	0.090
1298502	Soil			0.90	17.75	16.43	88.3	76	31.6	12.4	433	3.55	4.7	0.5	0.4	1.2	64.5	0.20	0.30	0.22	27	1.19	0.079
1298503	Soil			0.87	12.16	10.54	51.3	62	24.8	9.9	273	2.40	2.2	0.4	<0.2	0.9	593.1	0.15	0.17	0.11	18	13.57	0.061
1298504	Soil			1.09	8.86	7.54	38.9	32	19.6	8.2	250	1.82	2.4	0.6	<0.2	1.0	723.4	0.11	0.13	0.07	17	15.38	0.045
1298505	Soil			1.18	11.25	8.64	44.3	38	21.2	8.7	258	2.11	2.8	0.8	<0.2	1.1	522.3	0.11	0.15	0.09	15	11.71	0.070
1298506	Soil			1.00	10.47	7.18	57.3	89	18.5	5.9	305	2.07	4.1	0.6	<0.2	1.4	229.8	0.21	0.20	0.08	18	13.89	0.099
1298507	Soil			0.85	8.58	5.71	42.4	63	15.4	5.3	257	1.81	3.3	0.4	<0.2	1.9	276.7	0.16	0.16	0.06	14	16.61	0.076
1298508	Soil			0.75	8.07	6.84	40.5	60	14.9	5.1	239	1.79	3.0	0.4	<0.2	2.5	298.6	0.13	0.15	0.06	13	17.21	0.075
1298509	Soil			2.07	3.55	1055	5816	74	1.8	2.0	2892	13.84	4.9	1.6	<0.2	1.1	40.5	19.42	0.04	<0.02	2	9.50	0.077
1298510	Soil			1.29	17.94	733.1	2827	127	15.7	7.8	1363	5.79	9.7	1.3	0.4	1.3	22.2	5.77	0.37	0.14	22	3.75	0.126
1298511	Soil			1.78	4.92	2686	4082	64	4.3	2.8	2311	14.89	3.5	0.7	<0.2	0.9	25.3	7.03	0.08	0.03	5	7.97	0.045
1298512	Soil			0.65	2.67	3246	2253	196	2.2	1.6	4566	31.98	2.3	1.7	<0.2	0.7	14.8	5.19	0.04	<0.02	4	4.78	0.077
1303501	Soil			0.51	30.12	37.08	75.6	144	27.0	25.7	1839	2.49	19.8	0.4	0.5	3.2	24.5	0.14	0.47	0.26	13	1.96	0.060
1303502	Soil			0.83	61.75	55.73	85.8	97	23.5	13.0	1784	3.15	4.4	1.0	0.9	6.0	9.8	0.10	0.46	0.38	15	0.18	0.028
1303503	Soil			0.88	54.32	33.03	65.9	25	23.7	16.0	1826	2.94	5.1	0.9	<0.2	2.8	10.3	0.04	0.39	0.38	15	0.09	0.060

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CERTIFICATE OF ANALYSIS

WHI12000255.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300033	Soil	12.9	22.8	3.20	149.5	0.003	8	1.00	0.007	0.21	<0.1	5.7	0.24	0.04	28	0.5	<0.02	3.1
1300034	Soil	12.1	26.3	1.21	199.3	0.003	5	1.59	0.006	0.17	<0.1	5.9	0.20	0.03	39	0.3	0.04	4.8
1300035	Soil	14.2	22.5	1.91	169.6	0.003	8	1.06	0.006	0.21	<0.1	6.0	0.27	0.06	30	0.6	0.02	3.4
1300036	Soil	8.3	25.3	0.59	205.8	0.003	4	1.47	0.005	0.18	<0.1	5.6	0.20	0.04	36	0.1	0.05	4.9
1300037	Soil	6.1	15.4	1.49	112.3	0.003	7	1.02	0.006	0.13	<0.1	3.4	0.33	0.05	108	0.2	<0.02	2.9
1300038	Soil	10.5	20.0	1.90	147.6	0.011	5	1.18	0.007	0.14	<0.1	4.5	0.18	<0.02	77	0.2	0.04	3.5
1300039	Soil	10.1	19.2	1.79	147.7	0.012	4	1.22	0.009	0.12	0.1	4.4	0.15	<0.02	88	0.2	0.04	3.4
1300040	Soil	5.8	7.1	4.37	67.6	0.003	4	0.42	0.008	0.03	<0.1	0.9	2.27	0.05	98	0.5	0.03	1.2
1300041	Soil	8.3	14.6	1.90	122.5	0.005	6	0.73	0.007	0.08	0.1	3.4	0.22	0.06	34	0.3	<0.02	2.3
1300042	Soil	5.3	10.3	2.83	62.2	0.004	3	0.64	0.007	0.07	<0.1	2.3	0.26	<0.02	59	0.4	0.03	1.7
1300043	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300044	Soil	8.3	14.3	2.15	112.2	0.005	5	0.71	0.007	0.08	<0.1	3.1	0.28	0.07	52	0.4	<0.02	2.1
1300045	Soil	14.3	21.6	0.70	134.7	0.003	6	1.03	0.006	0.14	<0.1	5.5	0.21	0.05	36	0.5	0.03	3.1
1300046	Soil	12.8	15.1	1.24	159.2	0.003	4	0.80	0.006	0.07	<0.1	3.4	0.19	0.12	51	0.4	0.02	2.2
1300047	Soil	14.4	33.2	1.63	104.5	0.008	5	1.55	0.006	0.10	<0.1	5.2	0.24	0.06	115	0.8	<0.02	4.8
1298501	Soil	16.6	17.2	0.34	111.2	0.005	3	1.04	0.004	0.08	<0.1	2.8	0.11	0.07	44	0.4	0.03	3.5
1298502	Soil	14.5	21.9	0.38	141.1	0.003	5	1.26	0.004	0.12	<0.1	3.6	0.14	0.07	26	0.5	0.02	4.5
1298503	Soil	11.3	13.1	0.42	135.1	0.001	7	0.82	0.006	0.12	<0.1	3.0	0.15	0.05	22	0.5	0.04	2.0
1298504	Soil	8.9	10.9	0.91	186.4	0.001	7	0.47	0.009	0.14	<0.1	2.7	0.17	0.04	13	0.5	<0.02	1.4
1298505	Soil	11.2	11.4	1.17	234.2	0.002	9	0.60	0.010	0.19	<0.1	2.8	0.20	0.09	18	0.4	<0.02	1.5
1298506	Soil	20.0	9.2	0.98	225.4	0.004	10	0.64	0.009	0.21	<0.1	2.4	0.22	0.05	36	0.4	<0.02	2.0
1298507	Soil	18.9	6.9	0.99	160.3	0.005	8	0.39	0.009	0.16	<0.1	2.5	0.19	0.02	23	0.4	0.03	1.5
1298508	Soil	19.8	6.5	1.26	138.8	0.004	9	0.39	0.010	0.18	<0.1	2.6	0.18	0.02	24	0.4	0.03	1.5
1298509	Soil	4.0	2.8	6.50	12.7	<0.001	3	0.08	0.011	0.03	<0.1	1.0	31.42	0.29	284	0.5	<0.02	0.6
1298510	Soil	8.0	14.3	2.15	81.3	0.006	4	0.91	0.007	0.07	<0.1	2.6	2.62	0.06	106	0.6	0.02	2.6
1298511	Soil	4.2	3.2	5.28	25.3	0.001	2	0.14	0.008	0.03	<0.1	1.3	2.50	0.13	92	0.5	<0.02	0.5
1298512	Soil	6.6	2.5	3.33	10.9	<0.001	<1	0.08	0.006	0.01	<0.1	1.0	35.25	0.34	254	0.3	<0.02	0.5
1303501	Soil	6.1	14.9	0.72	85.5	0.003	3	1.22	0.004	0.08	<0.1	4.4	0.03	0.04	55	0.3	0.02	3.5
1303502	Soil	3.7	20.7	0.50	701.2	0.011	4	0.95	0.007	0.11	0.2	4.1	0.63	<0.02	36	0.2	0.08	3.4
1303503	Soil	1.8	23.4	0.45	529.6	0.007	3	1.06	0.005	0.11	0.2	2.8	0.18	0.03	29	0.3	0.05	3.3

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303504	Soil			0.80	18.46	24.51	51.0	25	18.0	15.5	1379	3.52	5.5	1.1	<0.2	1.7	9.8	0.05	0.39	0.41	21	0.07	0.049
1303505	Soil			2.45	54.80	56.73	46.7	24	19.9	24.4	3918	3.69	17.2	1.4	<0.2	4.2	3.5	0.04	0.64	0.48	19	0.03	0.037
1303506	Soil			1.39	6.94	36.83	48.2	36	15.8	18.0	782	3.51	11.8	0.9	1.2	0.9	4.5	0.05	0.52	0.50	34	0.03	0.048
1303507	Soil			1.50	41.99	28.29	73.3	51	22.8	21.4	3852	3.16	12.0	1.2	2.0	2.7	6.0	0.16	0.50	0.42	30	0.05	0.062
1303508	Soil			1.15	16.63	32.98	89.5	27	24.3	14.2	970	3.19	10.8	1.0	3.7	2.8	6.3	0.13	0.55	0.33	37	0.06	0.053
1303509	Soil			0.99	27.12	31.70	79.1	36	24.5	23.7	1665	3.82	16.9	1.3	1.1	2.9	7.6	0.12	0.45	0.52	36	0.07	0.073
1303510	Soil			1.36	17.85	20.63	82.3	47	19.5	11.8	885	3.19	10.4	0.7	1.9	2.8	6.2	0.17	0.67	0.32	45	0.05	0.041
1303511	Soil			0.90	51.96	68.74	118.8	80	33.3	20.6	1404	3.29	10.6	1.1	3.0	5.2	13.0	0.18	0.44	0.41	30	0.15	0.056
1303512	Soil			1.11	25.55	81.72	193.6	82	29.1	15.5	1274	3.48	9.7	0.9	1.6	3.4	10.1	0.21	0.56	0.33	39	0.15	0.073
1303513	Soil			1.16	34.20	26.87	107.2	61	28.9	15.2	1047	3.34	10.2	1.0	2.0	3.1	10.5	0.16	0.61	0.33	43	0.12	0.069
1303514	Soil			1.10	22.81	143.9	409.2	34	38.1	16.5	1900	4.50	10.5	1.5	1.1	4.2	8.2	0.55	0.55	0.29	34	0.11	0.105
1303515	Soil			1.33	32.28	23.71	97.5	60	21.2	22.6	3196	3.73	6.4	0.7	0.5	3.1	5.8	0.21	0.48	0.53	39	0.04	0.060
1303516	Soil			1.37	15.97	64.83	207.1	39	21.8	12.3	876	3.88	11.1	1.0	2.7	4.1	8.0	0.17	0.67	0.37	52	0.07	0.042
1303517	Soil			0.76	27.74	85.52	195.3	16	26.3	11.7	664	3.81	8.8	1.0	2.3	3.6	8.2	0.13	0.43	0.33	39	0.13	0.063
1303518	Soil			0.74	27.93	24.62	108.0	12	32.3	55.3	1852	4.10	1.7	0.4	2.0	3.6	6.1	0.34	0.20	1.14	26	0.02	0.030
1303519	Soil			0.30	6.15	13.10	69.3	4	19.5	13.9	441	2.12	2.0	0.7	4.3	3.0	6.1	0.05	0.18	0.25	39	0.02	0.022
1303520	Soil			1.07	12.78	87.10	297.9	41	27.2	9.2	819	3.70	9.2	1.4	1.3	2.8	11.1	0.19	0.52	0.27	43	0.20	0.093
1303521	Soil			0.92	22.98	40.90	170.7	16	15.7	9.3	305	4.13	15.2	1.5	0.5	4.4	2.8	0.74	0.40	0.25	21	0.01	0.046
1303522	Soil			1.38	9.91	218.7	985.6	110	17.2	7.5	1805	3.38	11.1	1.1	0.9	1.1	28.0	1.75	0.47	0.18	40	6.61	0.176
1303523	Soil			1.13	10.21	311.9	2600	107	10.8	5.3	2317	9.15	5.8	1.4	0.8	1.4	33.1	4.95	0.30	0.13	18	10.77	0.065
1303524	Soil			1.45	12.89	351.6	2975	114	13.4	6.5	3295	13.38	7.7	1.4	1.4	1.4	25.4	6.84	0.35	0.13	23	5.79	0.087
1303525	Soil			2.00	14.61	401.4	2321	130	16.7	7.8	2783	7.95	10.5	1.6	1.4	1.3	22.1	5.03	0.39	0.15	29	5.01	0.102
1303526	Soil			1.22	18.41	443.5	2262	92	14.1	7.7	2049	7.54	9.3	1.5	1.3	1.6	29.1	4.04	0.30	0.14	19	7.18	0.085
1303527	Soil			1.26	14.11	248.1	531.0	55	18.4	9.4	2516	3.86	10.2	1.5	0.7	2.1	40.9	1.29	0.34	0.19	24	5.92	0.094
1303528	Soil			1.73	11.41	56.34	954.1	101	14.4	7.2	3380	10.59	8.3	2.5	0.7	1.1	31.4	1.72	0.37	0.13	27	5.50	0.078
1303529	Soil			0.91	19.88	28.87	205.6	188	25.0	9.9	702	2.99	8.4	1.0	4.1	2.0	28.5	0.48	0.44	0.22	25	2.28	0.062
1303530	Soil			0.84	21.10	54.62	295.0	167	22.1	8.2	288	2.71	7.2	5.3	3.5	2.3	188.2	0.51	0.29	0.13	41	5.17	0.064
1303531	Soil			0.72	16.31	15.48	67.9	29	24.1	10.3	206	2.78	7.7	2.4	2.4	7.1	31.7	0.13	0.28	0.15	73	0.47	0.009
1303532	Soil			0.79	39.02	36.53	100.4	61	37.7	22.2	2105	3.23	7.5	0.7	1.2	4.7	22.6	0.25	0.37	0.31	26	1.65	0.053
1303533	Soil			0.77	32.27	37.94	120.8	37	30.4	17.5	1214	3.44	7.3	0.7	0.6	4.2	22.6	0.16	0.34	0.32	29	0.68	0.037



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303504	Soil	2.6	28.8	0.31	418.0	0.006	2	1.00	0.006	0.12	0.3	2.6	0.15	<0.02	21	0.2	0.03	4.0
1303505	Soil	2.2	26.0	0.22	162.1	0.009	1	0.68	0.005	0.08	0.5	4.1	0.09	<0.02	21	<0.1	0.08	3.0
1303506	Soil	2.9	27.3	0.22	54.6	0.009	2	0.79	0.006	0.07	0.3	2.2	0.13	0.03	16	0.2	0.08	3.7
1303507	Soil	6.5	27.4	0.37	185.3	0.009	2	1.41	0.005	0.07	0.2	4.1	0.16	0.03	46	0.5	0.08	4.9
1303508	Soil	8.8	27.9	0.39	107.1	0.011	2	1.47	0.005	0.08	0.2	3.1	0.15	0.02	38	0.2	0.06	5.4
1303509	Soil	6.2	30.1	0.41	123.1	0.009	2	1.49	0.006	0.10	0.3	3.9	0.13	0.02	29	0.2	0.07	6.1
1303510	Soil	9.9	28.7	0.35	98.7	0.014	1	1.57	0.004	0.07	0.2	3.0	0.17	0.02	41	0.4	0.06	6.1
1303511	Soil	10.2	28.3	0.53	141.7	0.014	2	1.47	0.006	0.08	0.2	5.4	0.13	<0.02	26	0.3	0.04	6.0
1303512	Soil	10.3	30.8	0.50	157.0	0.010	1	1.65	0.005	0.08	0.2	4.3	0.19	<0.02	43	0.3	0.03	5.9
1303513	Soil	10.9	33.2	0.51	192.2	0.015	2	1.74	0.006	0.09	0.2	4.0	0.15	0.02	40	0.4	0.04	6.2
1303514	Soil	15.5	31.3	0.45	235.0	0.006	2	2.10	0.005	0.09	0.2	6.5	0.39	0.03	53	0.4	0.03	5.1
1303515	Soil	6.5	28.5	0.32	95.2	0.009	1	1.74	0.006	0.09	0.1	3.8	0.19	0.03	72	0.5	0.07	8.6
1303516	Soil	11.3	31.6	0.39	123.3	0.012	3	1.84	0.002	0.09	0.3	4.1	0.37	<0.02	32	0.2	0.04	6.4
1303517	Soil	9.4	29.6	0.44	149.9	0.004	3	1.81	0.003	0.12	0.2	5.5	0.25	<0.02	24	0.1	0.03	5.5
1303518	Soil	4.7	30.6	0.54	110.2	0.004	2	1.89	0.003	0.15	<0.1	3.9	0.14	<0.02	13	0.1	<0.02	7.3
1303519	Soil	5.8	19.0	0.22	90.4	0.004	2	1.05	0.003	0.18	0.1	2.7	0.17	<0.02	<5	<0.1	<0.02	4.2
1303520	Soil	14.0	29.0	0.40	269.4	0.005	3	1.91	0.002	0.10	0.2	5.7	0.27	<0.02	36	<0.1	0.04	5.2
1303521	Soil	3.5	14.2	0.09	45.7	0.003	2	3.56	<0.001	0.08	<0.1	6.1	0.18	0.04	15	0.2	0.05	3.1
1303522	Soil	11.9	23.5	3.53	143.7	0.009	4	1.53	0.007	0.07	0.1	2.9	0.67	0.04	58	0.4	0.04	3.6
1303523	Soil	6.3	9.7	5.54	67.4	0.004	2	0.65	0.010	0.05	<0.1	2.2	2.86	0.03	120	0.7	<0.02	1.6
1303524	Soil	7.8	13.7	2.89	110.4	0.005	3	0.92	0.009	0.05	<0.1	2.6	4.22	0.05	106	0.6	0.03	2.3
1303525	Soil	9.2	17.7	2.56	104.5	0.004	4	1.21	0.008	0.06	<0.1	2.9	2.01	0.05	94	0.5	0.02	2.9
1303526	Soil	5.9	12.4	3.78	147.1	0.004	4	0.73	0.009	0.08	<0.1	2.9	2.07	0.10	176	0.4	0.02	2.0
1303527	Soil	10.1	16.0	2.85	132.8	0.004	3	0.99	0.006	0.08	0.1	3.6	0.45	0.04	54	0.3	0.04	2.5
1303528	Soil	7.2	14.1	2.89	106.7	0.008	3	0.90	0.007	0.05	0.1	2.4	9.35	0.04	66	0.5	<0.02	2.4
1303529	Soil	8.2	15.7	1.14	94.3	0.004	6	0.94	0.005	0.09	<0.1	3.5	0.24	0.03	82	0.4	0.02	2.5
1303530	Soil	13.2	34.5	2.09	93.6	0.009	6	1.64	0.003	0.20	<0.1	4.1	0.46	0.04	120	0.5	<0.02	5.4
1303531	Soil	20.5	50.9	1.93	124.0	0.008	5	2.65	<0.001	0.13	<0.1	6.6	0.22	<0.02	20	0.4	<0.02	8.5
1303532	Soil	8.3	24.1	1.22	160.9	0.006	2	1.41	0.006	0.16	0.1	5.1	0.13	<0.02	19	0.1	0.02	4.6
1303533	Soil	6.6	28.6	0.61	156.5	0.004	4	1.66	0.006	0.15	0.1	5.7	0.13	<0.02	28	0.1	0.03	5.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303534	Soil	0.57	27.95	30.51	118.1	65	28.1	13.9	736	2.92	5.6	0.7	1.5	3.7	31.7	0.12	0.28	0.27	25	1.07	0.048
1303535	Soil	1.75	28.69	13.98	65.0	97	29.6	12.7	777	2.83	8.5	1.1	0.5	3.1	136.7	0.23	0.36	0.16	26	8.83	0.088
1303536	Soil	1.41	37.43	18.05	107.1	121	32.9	11.8	678	2.87	8.1	1.5	0.5	1.7	31.9	0.46	0.45	0.22	31	2.27	0.116
1303537	Soil	1.85	26.24	37.29	124.9	78	29.0	13.0	965	3.25	13.5	2.5	1.1	2.5	22.7	0.25	0.46	0.28	35	0.75	0.110
1303538	Soil	1.10	13.66	25.69	153.2	29	18.1	11.5	656	3.29	7.8	0.7	0.3	1.9	12.1	0.37	0.42	0.28	40	0.19	0.075
1303539	Soil	0.77	12.48	91.80	423.0	88	19.4	9.3	704	3.12	9.1	1.1	1.0	1.9	16.2	0.54	0.36	0.21	37	1.35	0.227
1303540	Soil	1.05	12.21	46.01	225.2	26	21.6	9.8	602	3.06	9.0	0.9	0.7	2.2	12.8	0.45	0.45	0.23	41	1.31	0.102
1303541	Soil	0.88	15.22	151.7	609.1	115	20.2	9.6	880	2.59	8.4	1.3	0.8	1.7	29.4	0.95	0.41	0.16	31	5.08	0.159
1303542	Soil	0.82	9.23	142.9	1223	95	10.9	5.0	2547	4.73	6.3	1.5	0.6	1.5	43.4	2.92	0.30	0.09	20	11.65	0.118
1303543	Soil	1.30	14.68	121.4	537.7	106	18.4	8.6	1679	4.16	9.5	0.9	1.1	1.4	24.2	1.05	0.49	0.16	30	3.48	0.076
1303544	Soil	1.77	10.33	179.8	795.7	97	12.7	5.6	1221	2.35	8.9	1.6	0.8	1.2	36.1	2.03	0.33	0.09	24	9.78	0.091
1303545	Soil	1.60	8.84	134.5	650.8	102	14.0	6.4	2283	3.08	10.1	1.4	0.7	1.0	34.1	1.19	0.33	0.11	26	9.73	0.091
1303546	Soil	2.33	9.32	138.2	578.3	90	13.4	6.2	2725	3.94	10.4	2.0	0.5	0.7	25.4	1.06	0.33	0.13	29	5.81	0.105
1303547	Soil	1.82	9.47	923.8	2937	152	12.8	5.5	2463	3.93	13.7	2.2	0.8	0.7	30.2	5.69	0.31	0.10	24	8.83	0.148
1303548	Soil	2.34	3.92	120.6	3415	144	4.7	2.8	2223	2.62	16.2	3.8	<0.2	0.4	46.0	12.85	0.14	0.04	14	13.43	0.145
1303549	Soil	0.86	14.99	54.06	1003	182	15.5	5.7	994	2.61	7.3	1.9	1.3	1.8	34.1	2.20	0.19	0.17	12	7.63	0.074
1303550	Soil	1.09	15.80	47.20	284.5	240	10.9	3.8	871	2.12	6.4	1.3	0.9	1.9	25.7	0.51	0.19	0.24	11	4.89	0.061
1303551	Soil	0.73	35.99	44.44	128.0	270	41.0	18.2	233	3.80	11.6	1.0	1.5	2.5	90.6	0.15	0.64	0.30	14	2.37	0.059
1303552	Soil	0.85	34.83	19.25	101.4	101	31.6	13.6	469	3.10	9.9	0.6	5.7	3.1	46.9	0.25	0.60	0.22	35	1.44	0.053
1303553	Soil	0.61	23.76	57.14	166.1	131	23.1	11.6	654	2.49	6.4	4.7	1.2	1.3	91.3	0.32	0.26	0.22	23	1.82	0.069
1303554	Soil	0.54	113.4	15.33	118.5	145	27.0	11.7	315	2.60	7.9	3.2	3.8	2.1	60.9	0.24	0.37	0.20	27	1.43	0.056
1303555	Soil	0.79	63.77	17.96	113.8	141	27.2	12.3	377	3.08	9.4	1.1	2.7	2.0	51.9	0.38	0.45	0.21	28	1.75	0.047
1303556	Soil	0.68	54.20	14.93	113.8	138	25.8	11.4	375	2.79	8.6	2.2	2.6	1.6	61.3	0.27	0.42	0.19	27	1.58	0.056



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
1303534	Soil	6.7	26.2	0.58	161.4	0.004	4	1.51	0.006	0.16	0.1	5.6	0.13	0.03	37	0.1	0.03	5.1
1303535	Soil	11.9	18.6	2.14	172.7	0.003	6	0.93	0.007	0.19	<0.1	4.8	0.40	0.05	23	0.5	0.03	2.7
1303536	Soil	13.2	24.0	1.08	196.8	0.004	5	1.30	0.005	0.16	<0.1	4.9	0.18	0.05	33	0.3	<0.02	3.8
1303537	Soil	10.1	27.5	0.48	212.3	0.004	4	1.56	0.005	0.15	0.1	5.2	0.20	0.03	28	0.3	0.02	4.9
1303538	Soil	8.2	25.4	0.33	201.9	0.005	3	1.58	0.003	0.14	0.1	3.5	0.24	0.03	25	<0.1	0.06	5.9
1303539	Soil	9.4	24.5	0.63	160.6	0.005	4	1.65	0.005	0.13	0.1	4.3	0.34	0.05	55	0.2	0.04	4.9
1303540	Soil	8.9	24.9	0.86	113.1	0.006	3	1.66	0.004	0.10	0.1	3.7	0.25	0.04	29	0.2	0.04	5.0
1303541	Soil	8.5	20.2	2.64	132.3	0.007	5	1.20	0.008	0.10	0.1	3.0	0.34	0.05	65	0.4	0.04	3.6
1303542	Soil	6.4	11.1	6.07	87.7	0.005	3	0.69	0.010	0.07	<0.1	2.1	1.40	<0.02	55	0.6	0.03	1.8
1303543	Soil	9.5	18.6	1.84	107.9	0.006	3	1.18	0.006	0.07	<0.1	3.1	0.74	0.05	68	0.4	0.02	3.2
1303544	Soil	7.4	13.3	5.17	71.8	0.006	3	0.85	0.010	0.07	<0.1	2.3	0.54	0.04	56	0.4	<0.02	2.2
1303545	Soil	8.5	14.0	5.21	98.7	0.007	2	0.89	0.009	0.06	0.1	2.2	0.49	0.03	42	0.4	0.03	2.1
1303546	Soil	8.9	15.2	2.85	118.2	0.007	4	1.03	0.007	0.06	0.1	2.0	0.77	0.07	54	0.4	<0.02	2.8
1303547	Soil	8.5	13.4	4.59	71.0	0.005	4	0.83	0.010	0.05	0.1	1.8	0.98	0.05	95	0.6	0.02	2.2
1303548	Soil	5.1	6.8	6.83	45.9	0.003	3	0.30	0.011	0.03	<0.1	0.9	1.28	0.08	153	0.7	0.04	1.3
1303549	Soil	6.0	8.1	3.94	72.7	0.001	6	0.41	0.008	0.09	<0.1	2.6	0.39	0.04	106	0.5	<0.02	1.1
1303550	Soil	4.8	7.0	2.44	67.5	<0.001	8	0.36	0.006	0.10	<0.1	2.1	0.36	0.04	109	0.5	0.02	1.0
1303551	Soil	9.1	12.1	0.29	124.8	0.001	7	0.86	0.004	0.12	<0.1	4.1	0.17	0.09	148	0.9	0.07	2.3
1303552	Soil	13.3	26.2	0.89	138.3	0.010	4	1.48	0.005	0.12	0.1	4.9	0.14	0.03	98	0.2	0.05	4.4
1303553	Soil	10.8	19.8	0.60	129.3	0.004	6	1.06	0.004	0.07	<0.1	2.9	0.16	0.09	85	0.5	<0.02	3.3
1303554	Soil	12.2	27.2	0.92	170.1	0.003	4	1.42	0.004	0.10	<0.1	4.6	0.13	0.05	71	1.4	0.02	4.1
1303555	Soil	11.0	22.7	0.89	189.3	0.002	4	1.39	0.003	0.10	<0.1	4.2	0.11	0.04	85	0.7	0.03	3.7
1303556	Soil	10.1	24.2	0.76	161.7	0.003	4	1.33	0.003	0.11	<0.1	3.9	0.11	0.06	79	1.2	0.03	3.7



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000255.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1300007	Soil	0.89	31.04	25.51	89.7	62	24.1	11.2	564	3.21	8.0	1.1	0.6	3.7	16.2	0.09	0.35	0.30	31	0.35	0.057
REP 1300007	QC	0.94	32.03	26.06	96.8	69	24.8	11.8	586	3.30	8.6	1.1	0.2	4.0	16.3	0.11	0.42	0.29	32	0.35	0.060
1300035	Soil	2.36	25.60	18.88	88.4	156	30.2	13.4	594	3.01	9.5	1.5	<0.2	2.5	46.2	0.34	0.60	0.17	37	3.71	0.132
REP 1300035	QC	2.25	24.97	18.41	89.5	151	29.9	13.4	596	2.99	9.4	1.4	<0.2	2.4	45.0	0.33	0.60	0.16	36	3.70	0.136
1300045	Soil	1.65	16.18	20.00	122.1	87	31.2	10.7	323	3.03	7.5	1.8	0.5	3.1	32.8	0.31	0.40	0.23	29	1.67	0.094
REP 1300045	QC	1.70	16.76	19.55	127.1	83	31.5	10.0	320	3.03	7.5	1.7	0.3	3.2	33.5	0.36	0.43	0.22	30	1.71	0.096
1303512	Soil	1.11	25.55	81.72	193.6	82	29.1	15.5	1274	3.48	9.7	0.9	1.6	3.4	10.1	0.21	0.56	0.33	39	0.15	0.073
REP 1303512	QC	1.20	25.48	85.86	192.4	78	30.6	16.3	1288	3.54	10.0	1.0	1.8	3.5	11.2	0.22	0.61	0.33	40	0.16	0.078
1303522	Soil	1.38	9.91	218.7	985.6	110	17.2	7.5	1805	3.38	11.1	1.1	0.9	1.1	28.0	1.75	0.47	0.18	40	6.61	0.176
REP 1303522	QC	1.35	9.82	216.7	973.5	105	16.5	7.4	1763	3.33	10.8	1.1	1.1	1.1	26.4	1.75	0.47	0.17	39	6.53	0.182
1303548	Soil	2.34	3.92	120.6	3415	144	4.7	2.8	2223	2.62	16.2	3.8	<0.2	0.4	46.0	12.85	0.14	0.04	14	13.43	0.145
REP 1303548	QC	2.16	3.84	111.2	3231	132	4.4	2.7	2075	2.46	15.1	3.5	0.3	0.4	39.8	11.95	0.13	0.04	13	12.05	0.134
1303556	Soil	0.68	54.20	14.93	113.8	138	25.8	11.4	375	2.79	8.6	2.2	2.6	1.6	61.3	0.27	0.42	0.19	27	1.58	0.056
REP 1303556	QC	0.71	59.26	15.94	128.4	150	28.9	12.6	398	2.95	9.9	2.4	3.0	2.0	64.5	0.27	0.45	0.20	30	1.63	0.062
Reference Materials																					
STD DS9	Standard	13.23	106.8	118.7	312.9	1915	41.6	7.8	594	2.29	24.6	2.7	119.1	6.0	66.9	2.34	5.44	6.51	39	0.72	0.085
STD DS9	Standard	12.51	96.58	123.9	310.8	1878	38.2	7.4	575	2.24	23.7	2.4	115.8	5.5	64.2	2.24	5.47	6.13	38	0.70	0.081
STD DS9	Standard	13.16	99.39	129.0	313.0	1953	40.5	7.6	589	2.32	24.9	2.6	125.2	6.2	67.9	2.29	5.25	6.19	41	0.75	0.082
STD DS9	Standard	13.22	102.2	133.6	321.9	2010	42.8	8.1	618	2.39	24.5	2.6	133.8	6.0	64.5	2.18	4.94	6.10	41	0.74	0.083
STD DS9	Standard	12.99	107.8	115.3	312.7	1862	40.4	7.4	602	2.33	26.5	2.7	120.0	6.6	75.6	2.32	5.17	6.06	41	0.75	0.085
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000255.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
1300007	Soil	8.2	30.4	0.44	362.9	0.008	3	1.38	0.006	0.12	0.2	4.4	0.13	<0.02	24	0.2	0.04	4.8
REP 1300007	QC	8.8	31.4	0.45	377.2	0.013	4	1.37	0.006	0.13	0.3	4.5	0.14	<0.02	30	<0.1	0.05	5.0
1300035	Soil	14.2	22.5	1.91	169.6	0.003	8	1.06	0.006	0.21	<0.1	6.0	0.27	0.06	30	0.6	0.02	3.4
REP 1300035	QC	14.0	21.8	1.90	167.4	0.003	8	1.03	0.005	0.20	<0.1	5.9	0.26	0.06	25	0.5	0.03	3.2
1300045	Soil	14.3	21.6	0.70	134.7	0.003	6	1.03	0.006	0.14	<0.1	5.5	0.21	0.05	36	0.5	0.03	3.1
REP 1300045	QC	14.3	21.2	0.73	135.2	0.003	6	1.04	0.006	0.14	<0.1	5.4	0.21	0.05	31	0.5	0.03	3.2
1303512	Soil	10.3	30.8	0.50	157.0	0.010	1	1.65	0.005	0.08	0.2	4.3	0.19	<0.02	43	0.3	0.03	5.9
REP 1303512	QC	11.2	31.5	0.50	165.0	0.011	2	1.70	0.006	0.09	0.2	4.4	0.22	<0.02	34	0.3	0.02	6.1
1303522	Soil	11.9	23.5	3.53	143.7	0.009	4	1.53	0.007	0.07	0.1	2.9	0.67	0.04	58	0.4	0.04	3.6
REP 1303522	QC	11.9	23.1	3.50	138.1	0.009	3	1.49	0.007	0.07	0.1	2.9	0.67	0.04	88	0.5	<0.02	3.5
1303548	Soil	5.1	6.8	6.83	45.9	0.003	3	0.30	0.011	0.03	<0.1	0.9	1.28	0.08	153	0.7	0.04	1.3
REP 1303548	QC	4.7	6.5	6.13	42.8	0.003	2	0.29	0.010	0.03	<0.1	0.9	1.19	0.08	136	0.6	0.03	1.2
1303556	Soil	10.1	24.2	0.76	161.7	0.003	4	1.33	0.003	0.11	<0.1	3.9	0.11	0.06	79	1.2	0.03	3.7
REP 1303556	QC	13.2	26.7	0.80	178.1	0.006	8	1.46	0.003	0.13	<0.1	4.8	0.13	0.06	80	1.3	0.05	4.3
Reference Materials																		
STD DS9	Standard	12.3	116.4	0.60	309.0	0.106	3	1.00	0.083	0.42	3.3	2.5	5.84	0.16	236	5.5	5.12	4.8
STD DS9	Standard	12.2	116.4	0.60	300.0	0.101	2	0.94	0.090	0.40	3.0	2.4	5.68	0.15	210	5.2	5.17	4.7
STD DS9	Standard	13.6	117.0	0.62	310.1	0.106	2	1.01	0.095	0.41	3.1	2.7	5.85	0.16	220	5.5	5.47	4.9
STD DS9	Standard	14.2	123.8	0.63	322.1	0.109	3	0.98	0.082	0.40	3.4	2.5	5.95	0.17	219	5.5	5.80	4.8
STD DS9	Standard	14.5	116.8	0.62	297.3	0.112	3	0.99	0.091	0.41	2.9	2.6	5.54	0.17	206	5.6	5.08	4.9
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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650-200 Burrard St.
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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 16, 2012
Report Date: August 02, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000339.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-5
P.O. Number
Number of Samples: 7

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

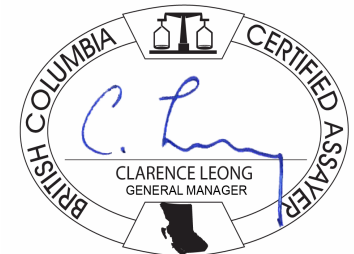
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	7	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	7	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD	3	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000339.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1298651	Rock	1.60	1.57	14.07	2363	6559	169	5.9	1.3	3354	>40	3.9	2.1	2.4	0.8	2.3	2.06	0.41	0.04	8	0.12
1298652	Rock	1.28	0.94	38.29	29.27	67.6	50	11.2	8.6	>10000	6.30	2.1	1.8	<0.2	0.4	101.6	0.19	0.10	0.11	12	14.27
1298653	Rock	0.93	2.26	83.66	104.9	281.9	81	14.3	4.9	104	10.84	25.3	0.3	<0.2	3.6	7.5	0.05	0.62	0.11	19	0.03
1298654	Rock	1.48	0.04	14.03	26.52	>10000	4168	0.7	<0.1	539	0.08	0.9	0.4	<0.2	<0.1	145.2	65.41	0.07	<0.02	<2	19.19
1298655	Rock	2.06	0.03	8.39	228.1	>10000	4453	1.2	<0.1	498	0.08	1.2	0.2	<0.2	<0.1	206.6	66.84	0.09	<0.02	<2	19.33
1298656	Rock	2.23	10.79	1.79	347.4	>10000	315	3.1	0.5	690	>40	3.4	5.5	3.7	0.1	<0.5	3.73	0.32	<0.02	6	0.12
1298657	Rock	1.93	0.38	1.30	14.37	78.4	66	1.8	0.9	116	2.06	21.5	0.1	<0.2	<0.1	2.3	0.16	0.76	<0.02	<2	0.57



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Project: CAR
 Report Date: August 02, 2012

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CERTIFICATE OF ANALYSIS

WHI12000339.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1298651	Rock	0.092	2.2	3.9	0.20	38.0	0.001	1	0.24	0.002	0.06	<0.1	1.3	2.31	0.05	188	0.4	<0.02	1.3	
1298652	Rock	0.003	<0.5	4.0	2.41	189.0	<0.001	<1	0.18	0.008	0.02	<0.1	3.6	0.07	0.13	11	0.2	<0.02	0.8	
1298653	Rock	0.052	0.8	14.2	0.03	300.0	0.002	4	0.46	0.004	0.15	<0.1	2.7	0.27	0.08	77	0.1	<0.02	2.6	
1298654	Rock	0.003	0.8	<0.5	10.77	11.3	<0.001	<1	0.01	0.007	<0.01	<0.1	0.3	0.08	0.43	4422	0.7	<0.02	3.1	3.98
1298655	Rock	0.005	0.9	0.6	11.08	13.3	<0.001	<1	<0.01	0.007	<0.01	<0.1	0.3	0.06	0.20	4225	0.7	<0.02	2.4	3.52
1298656	Rock	0.029	0.5	1.5	0.15	24.6	<0.001	<1	0.02	0.002	<0.01	<0.1	0.3	50.15	<0.02	176	0.4	<0.02	0.3	1.22
1298657	Rock	0.003	<0.5	7.8	0.34	4.0	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	0.42	<0.02	57	<0.1	<0.02	<0.1	



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Project: CAR
 Report Date: August 02, 2012

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QUALITY CONTROL REPORT

WHI12000339.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1298656	Rock	2.23	10.79	1.79	347.4	>10000	315	3.1	0.5	690	>40	3.4	5.5	3.7	0.1	<0.5	3.73	0.32	<0.02	6	0.12
REP 1298656	QC																				
1298657	Rock	1.93	0.38	1.30	14.37	78.4	66	1.8	0.9	116	2.06	21.5	0.1	<0.2	<0.1	2.3	0.16	0.76	<0.02	<2	0.57
REP 1298657	QC		0.38	1.18	14.45	74.3	55	2.0	0.9	119	2.13	22.4	0.1	<0.2	<0.1	2.5	0.14	0.77	<0.02	<2	0.58
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard		13.63	109.4	125.6	311.1	2009	41.0	7.6	596	2.36	26.6	2.8	112.5	6.9	75.8	2.49	5.58	6.20	42	0.75
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.09	1.93	2.68	44.9	13	2.6	3.7	554	1.86	0.4	1.7	2.1	5.7	59.6	0.01	<0.02	0.04	36	0.47
G1-WHI	Prep Blank		0.09	2.29	2.69	44.0	11	3.5	4.1	569	1.88	0.3	1.6	<0.2	5.3	65.8	<0.01	<0.02	0.05	37	0.69



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Project: CAR
 Report Date: August 02, 2012

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QUALITY CONTROL REPORT

WHI12000339.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Zn	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
Pulp Duplicates																					
1298656	Rock	0.029	0.5	1.5	0.15	24.6	<0.001	<1	0.02	0.002	<0.01	<0.1	0.3	50.15	<0.02	176	0.4	<0.02	0.3	1.22	
REP 1298656	QC																			1.23	
1298657	Rock	0.003	<0.5	7.8	0.34	4.0	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	0.42	<0.02	57	<0.1	<0.02	<0.1		
REP 1298657	QC	0.004	<0.5	7.6	0.35	3.9	<0.001	<1	<0.01	0.002	<0.01	<0.1	<0.1	0.12	<0.02	70	0.1	<0.02	<0.1		
Reference Materials																					
STD CDN-ME-9	Standard																			0.01	
STD CDN-ME-14	Standard																			3.30	
STD DS9	Standard	0.085	14.0	120.0	0.64	314.0	0.116	2	0.98	0.084	0.41	3.1	2.8	5.37	0.17	196	5.8	5.22	4.8		
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59		
STD CDN-ME-9 Expected																				0.0125	
STD CDN-ME-14 Expected																				3.1	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																			<0.01	
Prep Wash																					
G1-WHI	Prep Blank	0.075	12.1	7.8	0.49	150.9	0.102	<1	0.83	0.072	0.44	<0.1	2.4	0.27	<0.02	<5	0.2	<0.02	4.6		
G1-WHI	Prep Blank	0.080	12.6	8.3	0.62	160.8	0.118	<1	0.90	0.089	0.48	<0.1	2.5	0.29	<0.02	<5	0.2	<0.02	4.9		



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 16, 2012
Report Date: August 14, 2012
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CERTIFICATE OF ANALYSIS

WHI12000347.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-4
P.O. Number: NA-12359
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1F02	318	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

WHI12000347.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303140	Soil	0.68	41.62	24.41	89.3	127	37.4	13.0	503	2.89	7.8	3.8	5.9	2.6	34.0	0.12	0.42	0.29	18	0.79	0.127
1303141	Soil	0.63	26.42	140.0	540.9	537	26.1	11.0	479	2.61	44.7	1.0	2.4	3.0	36.6	1.79	1.69	0.23	9	1.52	0.156
1303142	Soil	0.83	22.41	98.25	529.2	264	23.6	10.1	276	2.65	28.1	0.7	1.8	2.2	45.4	1.71	1.48	0.27	6	2.63	0.085
1303143	Soil	0.75	19.46	74.01	384.4	158	26.1	12.9	266	2.58	15.3	0.6	1.1	2.5	34.1	1.24	0.63	0.23	7	2.60	0.105
1303144	Soil	0.91	22.47	47.98	243.5	195	25.4	12.7	383	2.39	10.9	0.8	1.2	1.3	35.0	1.10	0.60	0.22	14	2.14	0.104
1303145	Soil	1.66	34.13	30.20	106.9	149	33.2	14.4	491	3.22	9.5	1.4	1.5	3.5	31.5	0.17	0.45	0.28	26	0.91	0.146
1303146	Soil	1.60	28.37	13.07	72.6	81	31.4	16.4	514	3.35	6.3	0.8	1.7	6.4	21.6	0.11	0.53	0.29	23	0.41	0.087
1303147	Soil	1.14	37.00	46.22	230.7	181	37.9	15.1	389	3.25	10.3	2.4	2.0	4.0	38.1	0.57	0.67	0.22	17	1.14	0.138
1303148	Soil	0.85	34.15	24.25	93.3	124	32.9	12.8	519	2.92	6.9	2.0	2.5	2.6	33.8	0.20	0.42	0.25	16	1.19	0.107
1303149	Soil	0.93	51.14	28.16	112.3	68	36.4	21.7	403	4.71	10.5	0.5	0.7	2.7	8.2	0.33	0.79	0.28	34	0.08	0.047
1303150	Soil	0.84	43.56	33.14	197.0	89	33.3	19.0	435	4.47	13.3	0.6	0.9	1.9	14.2	0.35	1.08	0.27	33	0.27	0.070
1303151	Soil	0.81	27.66	38.85	243.4	253	26.9	13.5	505	3.46	38.4	1.0	2.3	0.9	34.1	0.42	2.14	0.22	39	1.02	0.093
1303152	Soil	1.37	27.18	21.15	106.2	179	32.3	17.0	525	3.44	13.4	1.3	2.7	3.8	18.6	0.41	0.72	0.25	33	0.42	0.086
1303153	Soil	0.84	25.85	56.68	316.3	282	20.6	10.5	1079	2.54	97.6	0.9	1.7	1.0	86.3	1.52	6.56	0.13	24	7.02	0.096
1303154	Soil	1.52	15.60	271.0	2173	1002	13.8	7.5	1139	2.02	265.6	0.5	1.5	0.2	58.7	6.32	16.32	0.10	20	7.97	0.095
1303155	Soil	0.72	8.18	106.9	609.7	279	9.8	5.6	1483	1.99	78.8	0.4	0.8	0.4	34.2	5.59	5.57	0.09	25	8.70	0.051
1303156	Soil	1.14	19.31	66.96	321.5	547	21.6	12.1	1594	3.72	63.7	0.8	1.4	0.8	52.4	2.19	7.02	0.20	39	2.69	0.095
1303157	Soil	0.90	18.67	56.27	706.8	384	17.0	9.6	1164	2.54	54.1	0.5	<0.2	0.8	43.4	3.26	6.55	0.16	19	6.78	0.074
1303158	Soil	0.90	20.78	69.68	537.5	499	16.9	8.7	2394	2.85	144.3	0.6	2.2	0.7	52.7	2.56	34.15	0.12	19	6.57	0.071
1303159	Soil	0.81	9.91	38.60	239.9	357	11.2	5.6	3007	2.63	67.4	0.6	0.4	0.5	39.2	2.17	13.39	0.07	19	12.55	0.070
1303160	Soil	0.82	7.15	54.67	171.3	324	7.5	4.0	4322	3.94	68.7	0.6	0.6	0.4	41.6	1.40	14.97	0.02	10	13.58	0.057
1303161	Soil	1.36	22.71	49.19	185.6	369	24.1	11.4	1418	3.38	47.6	1.2	2.7	1.5	29.3	0.95	5.95	0.15	33	4.69	0.091
1303162	Soil	0.80	15.27	38.47	98.1	207	10.8	5.3	862	1.47	21.3	0.7	0.3	1.4	87.8	0.69	5.57	0.03	11	15.42	0.065
1303163	Soil	1.02	20.67	1214	332.5	5052	11.6	7.6	3544	5.24	30.1	0.7	0.9	1.0	18.6	8.22	204.2	0.11	25	5.84	0.094
1303164	Soil	1.40	29.62	67.54	153.4	378	26.8	12.2	2717	7.21	38.3	0.8	1.0	2.5	31.3	1.23	6.98	0.15	25	3.54	0.085
1303165	Soil	1.39	20.60	72.91	179.2	373	15.8	9.4	1854	5.15	33.1	0.7	1.0	1.1	34.4	1.71	6.54	0.10	18	6.40	0.051
1303166	Soil	1.04	14.76	53.05	203.4	311	19.9	10.7	1515	4.38	29.7	0.6	1.1	1.6	19.7	1.94	4.92	0.17	36	2.19	0.046
1303167	Soil	0.80	16.06	74.74	180.3	536	11.1	5.6	1472	4.95	31.0	0.8	0.6	1.3	67.1	1.08	7.84	0.07	13	11.68	0.023
1303168	Soil	1.37	16.38	74.39	151.1	638	12.9	9.7	2283	4.02	36.8	0.6	0.5	0.6	45.4	1.06	7.82	0.10	18	7.05	0.062
1303169	Soil	1.94	22.32	102.3	219.8	879	18.8	13.4	2974	6.10	50.2	0.6	0.8	0.8	43.0	1.59	20.17	0.16	31	3.61	0.071



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303140	Soil	11.9	28.6	0.65	97.8	0.005	4	1.41	0.005	0.12	<0.1	4.3	0.13	0.07	67	0.5	0.03	4.2
1303141	Soil	7.2	10.2	0.27	47.5	0.002	5	0.48	0.005	0.10	<0.1	3.5	0.18	0.07	226	0.8	0.02	1.5
1303142	Soil	4.6	5.8	0.36	51.2	<0.001	6	0.35	0.004	0.14	<0.1	3.4	0.16	0.20	191	0.7	0.04	1.0
1303143	Soil	6.8	5.6	0.36	36.4	<0.001	5	0.36	0.004	0.10	<0.1	3.7	0.12	0.07	145	0.9	<0.02	1.0
1303144	Soil	5.6	11.1	0.27	74.2	0.002	6	0.67	0.005	0.08	<0.1	2.6	0.14	0.12	146	0.8	0.03	2.0
1303145	Soil	6.5	18.1	0.47	152.9	0.002	3	1.33	0.006	0.10	<0.1	4.7	0.12	0.06	106	0.6	0.02	3.9
1303146	Soil	6.0	19.2	0.56	95.3	0.002	4	1.35	0.004	0.14	<0.1	4.8	0.13	0.04	42	0.4	0.02	4.1
1303147	Soil	11.3	24.2	0.84	175.7	0.002	5	1.23	0.007	0.13	<0.1	5.0	0.17	0.10	106	1.1	0.03	3.7
1303148	Soil	10.7	25.9	0.77	204.1	0.002	5	1.24	0.005	0.11	<0.1	4.3	0.11	0.09	68	0.8	0.02	3.6
1303149	Soil	9.9	21.8	0.30	59.6	0.003	2	1.22	0.003	0.08	<0.1	5.9	0.15	0.02	32	0.3	0.05	3.5
1303150	Soil	5.6	24.9	0.37	88.1	0.003	2	1.39	0.004	0.10	<0.1	7.3	0.19	0.04	64	0.3	0.04	3.9
1303151	Soil	11.6	25.5	0.39	162.8	0.006	2	1.53	0.005	0.07	0.1	4.0	0.41	0.06	201	0.6	0.04	4.1
1303152	Soil	10.1	24.5	0.48	144.8	0.004	2	1.41	0.005	0.09	<0.1	5.7	0.24	0.04	91	0.5	0.03	4.1
1303153	Soil	8.8	16.1	2.75	118.7	0.007	4	0.85	0.011	0.07	0.2	3.7	1.27	0.03	615	0.8	<0.02	2.1
1303154	Soil	5.8	10.4	4.80	67.8	0.003	4	0.63	0.009	0.05	0.2	1.8	1.15	0.05	1169	0.6	0.02	1.5
1303155	Soil	6.3	11.5	5.50	84.5	0.006	3	0.81	0.010	0.06	0.1	2.1	0.43	0.04	356	0.4	<0.02	1.9
1303156	Soil	12.6	20.9	0.92	167.5	0.007	2	1.32	0.006	0.07	0.1	3.2	0.47	0.06	377	0.4	0.03	3.4
1303157	Soil	8.3	10.2	4.06	77.7	0.004	3	0.65	0.008	0.07	<0.1	2.8	0.72	0.03	748	0.5	0.03	1.5
1303158	Soil	8.0	9.7	3.96	139.5	0.003	4	0.65	0.008	0.08	0.2	2.5	1.30	0.03	682	0.7	0.02	1.5
1303159	Soil	6.0	10.5	7.13	385.9	0.009	3	0.77	0.012	0.04	0.2	1.6	0.50	0.04	231	0.4	<0.02	1.7
1303160	Soil	5.0	6.0	7.50	1349	0.006	2	0.37	0.012	0.03	0.1	1.3	0.36	0.05	188	0.3	<0.02	1.0
1303161	Soil	11.8	19.6	2.62	267.0	0.018	4	1.15	0.011	0.07	0.2	3.4	0.35	0.04	205	0.4	0.02	3.0
1303162	Soil	4.6	5.7	6.19	95.0	0.005	2	0.31	0.010	0.09	0.1	2.0	0.27	<0.02	179	<0.1	<0.02	0.8
1303163	Soil	7.9	11.7	3.77	641.3	0.005	2	0.99	0.008	0.04	0.1	3.7	0.39	0.03	1563	0.4	0.03	2.0
1303164	Soil	10.8	11.9	2.05	183.5	0.004	3	0.69	0.006	0.08	0.2	6.7	0.68	0.03	528	0.4	0.04	1.7
1303165	Soil	5.4	7.7	4.09	113.5	0.005	3	0.33	0.009	0.05	0.2	3.9	0.53	0.03	282	0.4	<0.02	1.1
1303166	Soil	10.8	19.2	1.27	161.9	0.011	3	1.04	0.007	0.06	0.2	4.3	0.42	0.04	122	0.3	0.04	2.7
1303167	Soil	5.3	6.4	6.41	70.3	0.003	7	0.28	0.011	0.05	<0.1	3.2	0.92	0.03	271	0.3	<0.02	0.8
1303168	Soil	4.8	6.9	3.97	99.3	0.003	5	0.34	0.008	0.06	0.1	3.4	0.69	0.04	113	0.4	<0.02	0.8
1303169	Soil	8.0	12.3	2.02	181.4	0.003	5	0.70	0.005	0.06	0.2	6.2	1.11	0.06	218	0.5	0.04	1.7

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

WHI12000347.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303170	Soil			0.99	13.18	258.6	278.1	227	11.5	7.2	1880	3.89	26.9	0.7	2.3	0.6	36.3	1.76	25.42	0.11	27	6.72	0.089
1303171	Soil			0.94	28.36	102.0	313.8	142	15.5	3.1	74	6.48	24.2	0.5	0.7	3.9	23.8	0.06	0.81	0.40	12	0.04	0.080
1303172	Soil			0.95	32.81	79.26	123.4	53	12.5	5.0	104	3.39	14.7	0.6	2.7	3.1	6.9	0.07	0.82	0.33	11	0.15	0.020
1303773	Soil			0.36	20.80	20.82	120.2	59	31.4	11.6	569	3.12	3.7	1.5	0.4	2.4	21.7	0.17	0.31	0.23	22	0.62	0.082
1303774	Soil			0.20	34.23	14.32	109.2	58	44.0	12.4	223	2.95	3.5	1.6	1.5	3.3	29.0	0.12	0.20	0.19	16	1.17	0.082
1303775	Soil			0.88	20.20	67.17	279.1	75	25.5	13.9	483	3.79	13.9	1.0	2.3	1.7	15.7	0.27	0.80	0.23	28	0.16	0.166
1303776	Soil			0.37	33.62	16.83	117.5	143	36.5	9.7	123	2.69	5.2	4.2	7.6	2.0	40.4	0.25	0.46	0.30	14	1.36	0.143
1303777	Soil			2.93	34.36	83.22	318.3	295	28.1	12.0	241	3.88	16.5	0.9	1.6	1.8	25.2	0.79	1.00	0.35	28	0.14	0.181
1303778	Soil			4.16	53.62	59.36	229.6	273	38.6	15.3	271	4.34	22.9	1.2	1.5	4.8	54.8	0.37	1.38	0.47	27	0.38	0.145
1303779	Soil			2.47	44.70	63.98	334.1	391	36.7	13.5	300	3.77	17.7	1.4	1.7	4.5	41.4	0.79	1.56	0.35	22	0.81	0.165
1303780	Soil			1.71	40.74	58.02	250.7	290	29.4	11.5	466	2.90	11.9	1.8	1.0	3.0	34.6	0.77	0.75	0.29	22	0.87	0.169
1303781	Soil			0.89	56.92	39.55	190.1	239	38.4	21.8	450	4.50	13.6	0.7	0.9	2.9	34.2	0.47	1.05	0.24	27	0.68	0.069
1303782	Soil			1.18	45.78	16.46	100.6	119	38.1	21.2	580	4.22	11.9	0.6	1.6	5.4	15.1	0.16	0.87	0.27	20	0.34	0.058
1303783	Soil			1.72	40.60	42.07	208.1	209	31.7	14.4	366	3.44	17.8	0.6	2.0	3.1	26.0	0.57	1.02	0.24	22	0.88	0.066
1303784	Soil			1.14	37.40	26.86	115.4	182	30.4	14.0	530	3.42	12.3	1.4	2.9	3.4	42.3	0.32	0.65	0.25	17	0.80	0.086
1303785	Soil			1.48	31.44	33.62	143.7	208	39.8	16.2	468	3.62	10.0	2.3	1.2	4.6	35.5	0.35	0.52	0.25	20	0.87	0.149
1303786	Soil			1.32	36.96	32.04	139.6	218	34.3	16.2	596	3.54	20.8	1.6	1.8	2.2	30.3	0.36	3.17	0.26	21	0.65	0.121
1303787	Soil			0.78	66.52	39.90	212.6	152	40.4	27.7	455	5.54	24.3	0.5	0.3	4.1	18.3	0.41	2.17	0.28	35	0.20	0.047
1303788	Soil			0.61	33.28	246.6	2251	271	23.3	13.8	440	3.02	92.8	0.6	0.6	1.9	214.9	6.91	2.88	0.14	22	8.38	0.064
1303789	Soil			0.90	15.36	202.8	1581	600	14.8	8.7	1211	2.67	114.6	0.5	0.4	0.6	46.7	5.42	10.79	0.12	25	7.27	0.079
1303790	Soil			0.93	36.63	354.3	2163	651	26.0	11.0	3356	4.81	504.7	1.1	0.5	1.3	33.6	6.20	65.00	0.18	34	3.08	0.104
1303791	Soil			1.78	16.39	875.0	1916	1472	21.2	10.7	8452	9.21	73.6	0.9	0.7	1.1	17.5	8.84	10.83	0.22	58	1.55	0.106
1303792	Soil			0.67	5.58	39.30	161.2	409	4.5	4.0	3289	2.44	36.5	0.6	<0.2	0.1	42.7	1.64	13.08	0.04	12	11.40	0.067
1303793	Soil			1.00	19.24	54.89	240.6	376	17.4	8.3	1269	2.13	66.8	0.8	0.3	2.2	126.1	1.27	8.25	0.07	18	14.23	0.065
1303794	Soil			1.21	19.39	87.73	240.0	658	13.1	8.6	1496	2.82	45.3	0.8	0.4	1.0	69.5	0.86	10.24	0.06	11	11.97	0.047
1303795	Soil			1.28	17.81	76.48	223.6	632	16.6	8.4	2442	3.14	65.4	0.7	0.5	0.9	55.8	1.16	14.09	0.07	19	10.68	0.074
1303796	Soil			1.22	19.24	61.94	261.0	516	16.2	8.9	2134	3.10	61.1	1.2	0.3	0.5	35.7	1.30	10.98	0.11	25	6.71	0.116
1303797	Soil			0.87	7.81	50.42	109.5	218	7.2	4.3	1307	2.06	18.2	0.5	0.3	0.3	38.1	1.16	6.71	0.06	14	8.51	0.093
1303798	Soil			0.81	7.77	118.1	374.7	148	7.0	4.9	855	3.84	19.4	0.5	<0.2	0.6	68.5	5.23	8.10	0.06	12	8.48	0.023
1303799	Soil			1.00	14.58	56.88	125.7	344	15.6	7.3	969	3.53	28.2	0.6	<0.2	1.1	41.2	0.91	6.25	0.09	25	9.21	0.056

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303170	Soil	6.6	11.4	4.24	190.9	0.004	6	0.82	0.008	0.08	0.2	3.0	0.54	0.04	285	0.3	<0.02	1.7
1303171	Soil	2.9	7.9	0.05	154.4	<0.001	3	0.54	0.005	0.14	<0.1	5.0	0.81	0.11	56	<0.1	0.06	2.4
1303172	Soil	2.1	7.5	0.12	110.6	<0.001	5	0.42	0.004	0.14	<0.1	2.9	0.26	0.05	33	0.1	0.03	2.0
1303773	Soil	9.6	31.4	0.76	105.9	0.003	4	1.56	0.004	0.12	<0.1	4.0	0.12	0.04	23	0.3	0.03	5.2
1303774	Soil	12.6	35.5	1.11	105.7	0.003	5	1.67	0.004	0.10	<0.1	5.6	0.07	0.05	25	0.2	0.02	4.9
1303775	Soil	9.3	25.0	0.45	57.5	0.005	3	1.41	0.003	0.13	<0.1	2.2	0.27	0.03	99	0.3	0.05	4.4
1303776	Soil	7.5	28.8	0.78	100.7	0.002	5	1.42	0.002	0.09	<0.1	3.7	0.11	0.09	59	0.4	0.03	4.2
1303777	Soil	6.6	16.6	0.21	84.6	0.003	2	1.00	0.008	0.10	<0.1	2.6	0.33	0.09	169	0.7	0.08	3.6
1303778	Soil	5.3	21.1	0.48	118.1	0.002	2	1.24	0.029	0.14	<0.1	4.9	0.34	0.31	118	0.6	0.10	4.0
1303779	Soil	7.3	17.4	0.43	117.7	0.002	5	1.03	0.012	0.12	<0.1	5.5	0.31	0.13	227	0.8	0.06	3.1
1303780	Soil	7.0	18.5	0.44	119.4	0.002	4	1.04	0.005	0.10	<0.1	4.2	0.19	0.08	210	0.6	0.05	3.3
1303781	Soil	6.4	22.1	0.34	82.6	0.003	3	1.11	0.003	0.10	<0.1	8.9	0.18	0.04	166	0.3	0.05	3.0
1303782	Soil	6.9	16.4	0.43	82.6	0.002	3	1.09	0.002	0.12	<0.1	6.6	0.15	0.03	59	0.3	0.02	3.4
1303783	Soil	6.2	16.5	0.34	92.1	0.002	4	0.86	0.002	0.11	<0.1	7.2	0.25	0.06	187	0.5	0.03	2.8
1303784	Soil	6.3	16.0	0.43	101.1	0.001	5	0.82	0.003	0.12	<0.1	5.5	0.20	0.14	120	0.6	0.03	2.6
1303785	Soil	10.5	26.1	0.82	159.7	0.002	4	1.33	0.004	0.11	<0.1	5.9	0.15	0.07	93	0.8	0.06	4.0
1303786	Soil	9.2	21.5	0.48	150.4	0.001	2	1.25	0.003	0.09	<0.1	4.9	0.24	0.07	181	0.6	0.04	3.7
1303787	Soil	6.9	24.8	0.31	70.3	0.004	2	1.17	0.002	0.09	<0.1	9.3	0.16	<0.02	107	0.3	0.03	4.1
1303788	Soil	5.6	15.1	1.50	78.4	0.004	3	0.88	0.005	0.09	<0.1	4.9	0.36	0.04	524	0.3	0.04	2.5
1303789	Soil	6.9	12.7	4.63	87.3	0.004	3	0.87	0.010	0.06	0.1	2.8	0.81	0.05	711	0.6	0.05	1.9
1303790	Soil	10.9	18.6	1.31	223.5	0.002	3	1.50	0.003	0.09	0.4	5.3	2.66	0.08	1334	0.6	0.06	3.9
1303791	Soil	12.3	24.8	0.77	321.5	0.011	1	1.81	0.002	0.03	0.2	5.1	0.60	0.08	1761	1.1	0.08	5.2
1303792	Soil	3.7	4.7	8.47	308.6	0.003	1	0.27	0.014	0.01	<0.1	1.0	0.34	0.06	311	0.4	<0.02	0.7
1303793	Soil	6.8	10.5	4.40	164.9	0.010	2	0.67	0.010	0.08	0.1	2.9	0.53	<0.02	336	0.3	0.02	1.7
1303794	Soil	3.3	4.7	6.45	96.6	0.002	1	0.21	0.010	0.05	0.1	3.1	0.54	0.05	416	0.4	0.02	0.6
1303795	Soil	6.1	11.1	5.66	343.0	0.007	5	0.77	0.009	0.06	0.2	2.5	0.52	0.03	399	0.3	<0.02	1.8
1303796	Soil	7.8	14.0	3.31	317.7	0.008	3	0.98	0.009	0.07	0.1	1.9	0.36	0.08	304	0.5	<0.02	2.3
1303797	Soil	3.2	6.2	6.16	84.6	0.003	6	0.36	0.010	0.05	0.1	1.0	0.26	0.07	115	0.2	<0.02	0.9
1303798	Soil	3.0	4.7	6.00	87.1	0.001	5	0.14	0.013	0.03	0.1	2.3	0.82	0.06	308	0.3	<0.02	0.5
1303799	Soil	8.5	13.9	4.99	82.9	0.007	8	0.75	0.010	0.08	0.2	3.2	0.48	0.03	120	0.2	<0.02	1.8



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303800	Soil			0.70	11.11	41.26	170.3	384	10.2	5.7	1551	2.10	40.6	0.7	0.5	0.3	22.2	1.01	6.89	0.08	17	4.04	0.079
1303801	Soil			0.79	9.98	50.12	173.9	291	8.8	6.3	1801	2.87	25.7	0.6	<0.2	0.3	17.9	1.22	4.24	0.08	17	3.87	0.087
1303802	Soil			1.04	14.10	60.24	173.7	447	11.0	7.3	1128	3.01	36.9	0.4	<0.2	0.6	42.4	0.72	8.61	0.07	15	7.38	0.041
1303803	Soil			0.66	7.01	48.67	88.0	225	6.2	3.6	1052	1.36	12.6	0.5	<0.2	0.2	32.3	1.13	4.58	0.02	9	8.06	0.081
1303804	Soil			0.94	12.44	45.67	164.3	179	12.4	7.1	1300	3.47	82.3	1.2	<0.2	0.7	12.4	0.73	10.39	0.14	33	4.11	0.062
1303805	Soil			1.13	26.36	21.17	109.1	44	22.1	12.1	444	3.84	9.4	0.5	0.7	0.5	33.4	0.34	0.68	0.26	45	0.36	0.095
1303806	Soil			1.09	28.86	105.6	260.7	130	33.4	14.9	527	4.10	20.4	0.7	1.5	1.4	33.7	0.78	2.37	0.21	39	0.35	0.069
1303807	Soil			0.86	49.64	33.29	115.0	118	29.9	34.8	1658	6.73	11.9	0.4	<0.2	2.4	12.1	0.26	0.56	0.29	48	0.05	0.053
1303808	Soil			0.57	74.77	51.93	143.2	125	53.1	61.4	1707	7.45	15.6	0.6	1.0	2.1	26.4	0.34	0.45	0.30	30	0.30	0.049
1303809	Soil			0.68	78.28	27.14	120.4	62	38.6	27.1	395	6.78	10.8	0.4	<0.2	2.6	11.5	0.13	0.34	0.27	39	0.03	0.039
1303810	Soil			0.71	78.24	35.19	108.4	202	34.3	28.0	629	5.96	5.5	0.7	<0.2	2.5	12.8	0.27	0.49	0.27	41	0.05	0.066
1303811	Soil			0.96	44.54	61.74	141.1	99	39.2	28.3	548	4.63	16.1	0.6	1.6	1.3	14.2	0.24	1.02	0.23	28	0.07	0.058
1303812	Soil			1.63	22.37	16.74	88.6	50	24.8	14.6	474	3.40	11.7	0.8	5.5	0.8	7.4	0.23	0.78	0.33	48	0.06	0.051
1303813	Soil			1.49	34.27	23.85	112.6	51	26.2	19.0	693	5.34	8.4	0.6	2.1	1.1	6.1	0.25	0.72	0.32	46	0.04	0.065
1303814	Soil			1.05	49.44	23.64	94.9	87	34.8	25.6	579	5.08	7.5	0.6	1.1	3.0	6.2	0.21	0.49	0.27	36	0.04	0.050
1303815	Soil			1.10	52.93	32.50	118.9	97	37.3	25.0	785	5.53	8.4	0.6	1.6	1.5	6.0	0.28	0.51	0.29	27	0.05	0.090
1303816	Soil			1.61	58.08	33.66	163.6	63	49.9	24.5	549	5.59	10.8	0.5	1.0	2.6	8.4	0.28	0.58	0.34	21	0.01	0.057
1303817	Soil			1.16	39.18	21.62	65.4	78	25.5	16.4	508	4.83	10.5	0.4	1.3	1.1	5.1	0.07	0.83	0.35	47	0.02	0.061
1303818	Soil			1.17	29.97	22.09	60.4	89	26.6	17.3	593	4.17	8.3	0.4	2.2	0.9	6.1	0.14	0.57	0.29	35	0.03	0.065
1303819	Soil			1.27	48.67	69.36	165.8	82	43.8	30.4	877	5.23	11.4	0.9	31.5	4.9	8.6	0.21	0.31	1.17	26	0.07	0.094
1303820	Soil			1.73	26.67	29.79	137.0	91	30.5	19.4	609	4.28	10.1	0.7	1.6	2.5	6.2	0.52	0.47	0.33	24	0.05	0.119
1303821	Soil			1.03	20.06	34.08	122.0	128	29.8	11.8	662	3.33	7.6	1.3	1.7	2.9	13.8	0.12	0.30	0.25	22	0.35	0.129
1303822	Soil			1.80	14.55	24.74	104.8	71	21.0	10.2	511	3.90	12.0	0.8	2.2	0.5	10.8	0.33	0.53	0.28	37	0.12	0.209
1303823	Soil			1.16	35.82	16.76	101.3	239	33.5	8.8	498	2.59	5.8	3.1	2.6	2.1	29.1	0.23	0.42	0.19	22	0.59	0.189
1303824	Soil			1.78	23.25	58.06	310.9	277	42.9	10.5	1435	2.89	7.9	2.7	1.6	1.5	46.4	1.31	0.57	0.22	21	1.73	0.145
1303825	Soil			0.67	15.97	38.82	215.9	166	18.4	9.0	550	2.35	9.7	1.0	1.4	1.1	51.2	1.02	0.36	0.22	19	3.43	0.112
1303826	Soil			1.49	17.13	34.81	316.7	130	24.1	9.9	648	2.92	12.6	1.7	1.1	1.1	42.8	0.94	0.34	0.19	19	3.86	0.136
1303827	Soil			1.13	15.56	56.13	185.7	72	22.1	10.9	781	3.27	14.0	1.4	1.0	1.4	24.5	0.33	0.65	0.21	25	0.85	0.133
1303828	Soil			0.95	18.61	35.95	305.1	113	21.8	9.3	492	2.41	8.6	1.9	1.1	1.1	32.3	1.13	0.36	0.19	21	2.93	0.115
1303829	Soil			0.21	25.72	14.09	91.2	47	39.8	13.6	355	2.87	3.0	1.3	1.2	2.6	28.5	0.15	0.14	0.20	16	1.08	0.093



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303800	Soil	4.7	8.8	2.12	227.5	0.004	2	0.59	0.006	0.03	<0.1	1.2	0.23	0.06	228	0.4	<0.02	1.5
1303801	Soil	5.3	8.2	2.03	216.4	0.004	2	0.43	0.005	0.03	0.1	1.7	0.20	0.05	149	0.3	0.02	1.1
1303802	Soil	3.4	6.6	4.88	71.3	0.003	3	0.28	0.008	0.04	0.1	2.6	0.41	0.06	230	0.3	0.03	0.8
1303803	Soil	3.4	4.8	4.25	81.2	0.004	5	0.28	0.007	0.04	<0.1	0.8	0.18	0.03	82	0.1	0.03	0.6
1303804	Soil	5.8	16.4	2.54	137.9	0.005	2	1.16	0.004	0.06	0.4	3.0	0.35	0.05	97	0.2	0.02	2.9
1303805	Soil	6.5	30.7	0.44	110.5	0.007	1	1.64	0.002	0.07	0.1	2.6	0.14	0.05	22	0.2	0.04	5.8
1303806	Soil	11.2	29.5	0.43	130.6	0.008	1	1.72	0.002	0.06	0.1	5.3	0.16	0.04	81	0.2	0.03	4.1
1303807	Soil	3.2	35.2	0.35	61.8	0.003	2	1.84	<0.001	0.09	<0.1	7.2	0.14	0.03	42	0.4	0.03	7.2
1303808	Soil	2.9	22.3	0.24	66.2	0.003	2	0.99	0.002	0.09	<0.1	14.0	0.12	0.03	89	0.4	0.03	3.6
1303809	Soil	2.6	35.3	0.55	63.8	0.004	2	2.02	<0.001	0.09	<0.1	10.7	0.12	<0.02	12	0.2	<0.02	6.5
1303810	Soil	4.1	40.7	0.60	71.3	0.006	3	2.47	<0.001	0.13	<0.1	11.6	0.17	0.04	53	0.7	0.02	6.6
1303811	Soil	5.3	22.9	0.32	66.2	0.004	2	1.27	0.001	0.08	<0.1	4.9	0.12	0.03	86	0.1	0.04	3.3
1303812	Soil	9.8	29.1	0.49	97.2	0.020	1	1.76	0.002	0.05	0.3	2.4	0.14	<0.02	39	0.5	0.03	5.5
1303813	Soil	6.1	29.7	0.35	51.8	0.022	2	1.64	<0.001	0.08	0.2	3.6	0.11	0.04	45	0.4	0.03	6.1
1303814	Soil	5.5	29.5	0.46	69.3	0.007	2	1.93	<0.001	0.07	<0.1	5.5	0.12	0.03	55	0.4	0.04	4.9
1303815	Soil	4.0	22.7	0.33	53.8	0.004	2	1.37	0.001	0.07	<0.1	4.9	0.11	0.05	35	0.6	0.05	3.6
1303816	Soil	8.7	13.3	0.11	40.7	0.001	1	0.76	0.004	0.07	<0.1	7.2	0.37	0.07	41	0.6	0.06	2.2
1303817	Soil	7.9	23.0	0.18	51.5	0.008	2	1.04	<0.001	0.07	<0.1	3.6	0.12	0.03	37	0.4	0.08	4.7
1303818	Soil	6.4	22.0	0.29	85.7	0.005	2	1.17	0.001	0.09	<0.1	2.8	0.11	0.04	31	0.2	0.03	4.2
1303819	Soil	9.4	26.2	0.70	80.6	0.004	4	2.13	<0.001	0.11	<0.1	3.1	0.11	0.03	33	0.5	0.12	6.0
1303820	Soil	6.8	22.0	0.53	80.2	0.003	3	1.57	0.002	0.11	<0.1	2.8	0.16	0.04	54	0.4	0.03	4.4
1303821	Soil	8.9	26.4	0.62	227.6	0.002	3	1.68	0.002	0.10	<0.1	3.5	0.18	0.04	25	0.2	<0.02	4.5
1303822	Soil	7.6	23.2	0.39	89.7	0.007	2	1.26	0.002	0.09	0.1	1.3	0.14	0.05	38	0.5	0.03	5.0
1303823	Soil	11.4	24.2	0.57	228.6	0.002	3	1.64	0.004	0.08	<0.1	3.6	0.17	0.08	119	1.0	0.02	4.1
1303824	Soil	9.2	20.0	0.68	118.5	0.003	4	1.15	0.004	0.08	<0.1	3.2	0.16	0.09	92	1.1	0.03	3.3
1303825	Soil	9.5	14.8	0.59	147.1	0.003	3	0.98	0.003	0.06	<0.1	2.8	0.12	0.08	71	0.3	<0.02	2.6
1303826	Soil	12.0	14.7	1.40	119.0	0.003	3	0.83	0.004	0.07	<0.1	3.4	0.12	0.08	50	0.6	<0.02	2.0
1303827	Soil	8.2	16.2	0.27	187.8	0.005	2	1.00	0.003	0.06	<0.1	2.6	0.12	0.07	34	0.5	<0.02	3.1
1303828	Soil	10.0	17.5	1.43	132.5	0.004	4	1.05	0.004	0.07	<0.1	2.4	0.14	0.08	59	0.5	<0.02	2.9
1303829	Soil	10.9	32.7	1.11	139.1	0.003	4	1.71	0.002	0.08	<0.1	4.4	0.07	0.06	28	0.2	<0.02	5.0

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303830	Soil			0.72	17.03	25.52	89.8	78	18.0	6.9	278	1.96	5.6	1.2	1.0	0.7	37.4	0.21	0.22	0.14	19	4.63	0.123
1303831	Soil			0.86	29.40	23.75	85.5	88	20.4	11.7	597	2.73	10.2	3.6	1.6	1.2	24.8	0.18	0.35	0.26	33	0.72	0.149
1303832	Soil			0.17	7.92	7.28	71.7	27	34.5	11.8	310	2.71	2.5	0.8	<0.2	4.6	72.5	0.11	0.09	0.18	13	4.68	0.059
1303833	Soil			0.48	44.59	27.54	92.4	60	25.2	11.7	538	2.69	7.2	1.1	3.4	3.6	12.8	0.23	0.28	0.27	23	0.38	0.066
1303834	Soil			0.98	23.10	29.93	109.8	85	31.1	12.6	596	3.05	9.0	1.5	2.4	3.0	14.4	0.30	0.45	0.23	37	0.42	0.049
1303835	Soil			0.99	17.12	25.44	104.6	64	21.7	9.3	419	2.82	10.4	1.4	1.6	1.9	20.0	0.24	0.42	0.23	37	0.38	0.070
1303836	Soil			0.85	20.94	45.77	108.5	51	29.8	15.2	942	3.28	10.0	0.8	3.2	3.1	9.2	0.16	0.36	0.29	30	0.41	0.043
1303837	Soil			0.90	15.98	24.77	84.3	51	30.3	12.2	665	4.02	6.4	0.8	<0.2	2.5	9.5	0.15	0.25	0.24	29	0.17	0.072
1303838	Soil			1.06	17.43	26.92	89.9	81	22.0	10.4	680	3.00	7.1	0.8	6.2	1.2	10.3	0.14	0.32	0.26	29	0.28	0.103
1303839	Soil			0.93	12.51	26.58	98.5	67	14.6	9.1	583	2.85	6.2	0.6	2.3	1.1	8.4	0.30	0.30	0.26	30	0.19	0.067
1303840	Soil			0.98	19.09	30.72	108.8	62	22.8	11.9	823	3.01	8.7	1.5	2.0	1.7	19.7	0.34	0.33	0.26	31	0.60	0.096
1303841	Soil			1.04	24.33	32.61	125.3	66	23.0	9.2	527	2.88	9.1	5.5	0.5	1.8	17.1	0.20	0.29	0.26	28	0.44	0.106
1303842	Soil			0.70	26.96	65.73	210.7	88	26.1	14.6	1031	2.81	7.7	1.1	1.0	2.2	19.0	0.34	0.28	0.22	15	3.39	0.065
1300285	Soil			1.46	13.47	12.63	85.0	32	22.4	13.3	495	3.18	10.0	0.8	1.0	3.1	7.6	0.30	0.59	0.23	41	0.08	0.051
1300286	Soil			0.88	14.63	23.51	144.4	73	23.5	9.9	433	2.76	5.7	1.3	1.1	2.8	21.8	0.21	0.23	0.20	22	0.48	0.087
1300287	Soil			1.39	31.71	23.16	139.1	141	32.0	11.2	817	3.18	6.8	1.1	1.4	3.9	30.5	0.27	0.38	0.20	23	2.17	0.103
1300288	Soil			1.69	23.68	18.28	108.9	55	29.0	12.7	431	4.11	9.9	0.8	0.8	4.4	6.3	0.22	0.46	0.24	32	0.09	0.072
1300289	Soil			0.99	16.29	78.00	146.6	24	30.7	14.6	1341	3.97	10.1	0.8	1.1	3.0	5.7	0.13	0.37	0.28	38	0.10	0.053
1300290	Soil			0.95	20.10	111.7	170.4	56	33.0	14.7	1763	3.81	9.6	1.1	3.7	4.8	8.0	0.20	0.32	0.32	34	0.26	0.041
1300291	Soil			1.23	20.22	25.50	107.9	68	38.5	11.8	872	3.11	11.9	1.2	3.3	4.7	15.9	0.24	0.73	0.26	44	0.30	0.088
1300292	Soil			0.92	12.32	22.32	76.1	61	22.2	8.2	426	3.17	9.8	1.4	1.7	1.3	11.1	0.06	0.42	0.30	52	0.26	0.099
1300293	Soil			1.22	14.47	22.59	77.5	34	20.2	8.3	546	2.91	9.1	0.7	2.1	0.7	7.1	0.10	0.48	0.28	49	0.08	0.074
1300294	Soil			0.51	28.92	27.33	121.6	59	31.9	23.7	974	4.33	10.6	0.7	1.2	2.7	11.9	0.20	0.30	0.41	22	0.36	0.137
1300295	Soil			0.52	22.45	19.14	113.2	117	27.5	10.2	380	2.97	6.5	1.2	0.9	1.8	20.6	0.24	0.26	0.25	19	1.09	0.119
1300296	Soil			0.72	17.44	22.26	104.3	59	19.1	9.2	646	2.86	7.3	1.4	0.8	1.5	14.2	0.17	0.29	0.22	28	0.62	0.115
1300297	Soil			0.62	16.85	20.29	104.0	92	19.6	7.5	333	2.61	5.4	0.8	0.8	1.9	18.1	0.19	0.19	0.22	25	0.70	0.087
1300298	Soil			1.03	11.25	213.1	497.1	364	17.4	7.1	2450	3.08	11.7	1.6	1.7	0.8	19.4	0.78	0.50	0.16	40	3.19	0.181
1300299	Soil			0.64	6.58	166.7	411.1	231	10.5	4.3	1709	1.86	6.2	1.1	0.8	0.7	35.6	0.90	0.33	0.08	25	8.21	0.100
1300300	Soil			0.63	6.32	156.3	516.2	323	11.2	4.2	1849	1.76	5.9	1.2	2.9	0.6	42.0	1.21	0.32	0.06	22	9.07	0.100
1300301	Soil			0.79	76.40	61.83	85.3	85	37.1	21.4	948	3.11	7.5	1.4	2.8	3.2	11.7	0.11	0.58	0.34	25	0.28	0.082



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303830	Soil	11.4	15.7	2.22	61.7	0.002	5	0.90	0.003	0.08	<0.1	2.1	0.11	0.06	32	0.2	<0.02	2.3
1303831	Soil	10.5	24.1	0.47	221.3	0.006	3	1.59	0.003	0.09	<0.1	3.5	0.19	0.11	43	0.8	0.05	4.8
1303832	Soil	11.7	25.6	1.43	42.6	0.003	3	1.50	0.002	0.08	<0.1	5.3	0.04	0.02	12	0.2	<0.02	4.8
1303833	Soil	18.3	25.6	0.78	111.7	0.006	4	1.35	0.002	0.11	<0.1	6.1	0.12	0.03	39	0.4	0.04	4.3
1303834	Soil	17.5	32.8	0.94	224.5	0.009	2	1.65	0.003	0.08	0.2	4.3	0.15	0.02	32	0.3	0.04	5.4
1303835	Soil	13.7	25.9	0.52	170.2	0.006	2	1.47	0.002	0.07	0.1	3.2	0.21	0.03	36	0.3	<0.02	4.9
1303836	Soil	9.9	28.5	0.66	140.7	0.004	2	1.73	0.001	0.10	0.2	3.5	0.19	<0.02	15	0.3	0.03	5.1
1303837	Soil	11.1	24.6	0.35	140.2	0.003	4	1.61	0.001	0.15	<0.1	3.8	0.15	0.02	25	<0.1	<0.02	3.9
1303838	Soil	7.1	26.3	0.45	153.2	0.004	3	1.37	0.002	0.12	0.1	2.3	0.14	0.05	32	0.2	0.04	4.8
1303839	Soil	7.8	21.8	0.37	145.9	0.006	2	1.11	0.002	0.13	0.1	1.9	0.11	0.03	25	0.2	0.04	5.1
1303840	Soil	9.1	29.8	0.69	240.1	0.004	3	1.59	0.003	0.13	<0.1	3.9	0.14	0.05	27	0.4	0.02	5.5
1303841	Soil	9.4	26.9	0.52	292.5	0.003	3	1.56	0.002	0.13	0.1	3.8	0.18	0.07	29	0.9	0.03	4.9
1303842	Soil	6.4	13.7	2.03	110.5	0.003	3	0.80	0.004	0.10	<0.1	3.8	0.34	0.06	39	0.3	0.04	2.4
1300285	Soil	9.9	27.8	0.49	91.2	0.013	2	1.58	0.002	0.06	0.2	2.9	0.14	<0.02	26	0.2	0.04	5.5
1300286	Soil	9.0	22.3	0.64	102.9	0.004	3	1.29	0.002	0.09	<0.1	3.4	0.12	0.03	46	0.3	0.03	3.8
1300287	Soil	8.4	19.4	1.50	129.4	0.003	4	1.19	0.004	0.09	<0.1	5.1	0.13	0.04	66	0.4	0.03	3.8
1300288	Soil	6.8	23.0	0.69	97.6	0.004	2	1.60	0.001	0.08	<0.1	3.7	0.11	0.02	30	0.4	0.03	5.1
1300289	Soil	9.2	31.0	0.59	179.1	0.004	2	2.20	0.002	0.09	0.2	3.4	0.28	<0.02	18	0.2	<0.02	6.2
1300290	Soil	13.8	31.8	0.80	195.5	0.005	4	2.13	0.003	0.11	0.2	5.1	0.28	<0.02	21	0.4	0.06	6.2
1300291	Soil	16.6	29.7	0.66	214.0	0.024	4	1.75	0.006	0.09	0.3	4.7	0.20	<0.02	31	0.4	0.04	5.1
1300292	Soil	12.5	31.2	0.60	200.2	0.012	3	2.12	0.002	0.06	0.2	3.0	0.23	0.04	27	0.4	0.04	6.5
1300293	Soil	9.7	27.6	0.44	131.2	0.011	3	1.66	0.002	0.08	0.2	1.9	0.25	0.03	26	0.3	0.03	7.0
1300294	Soil	5.7	23.2	0.60	79.5	0.003	5	1.65	<0.001	0.13	<0.1	2.8	0.14	0.02	25	0.3	0.07	5.0
1300295	Soil	8.8	19.0	0.50	114.7	0.003	5	1.50	0.002	0.12	<0.1	3.3	0.16	0.07	50	0.5	0.04	4.2
1300296	Soil	11.2	22.0	0.44	147.8	0.005	4	1.46	0.002	0.11	<0.1	3.5	0.20	0.06	34	0.4	0.03	4.4
1300297	Soil	11.1	23.5	0.56	167.3	0.004	6	1.45	0.002	0.13	<0.1	3.5	0.16	0.06	32	0.6	0.03	4.5
1300298	Soil	12.7	20.9	1.88	116.9	0.008	3	1.48	0.005	0.07	0.1	2.3	0.53	0.09	100	0.5	0.04	3.8
1300299	Soil	6.0	11.0	5.83	68.3	0.009	3	0.89	0.007	0.06	<0.1	2.0	0.40	0.04	78	0.4	<0.02	2.0
1300300	Soil	6.1	9.4	6.83	68.9	0.008	2	0.79	0.008	0.05	<0.1	1.6	0.40	0.05	99	0.5	0.03	1.7
1300301	Soil	7.6	17.1	0.27	158.6	0.009	4	0.99	0.006	0.21	<0.1	9.0	0.27	0.13	33	0.4	0.05	3.6



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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300302	Soil			0.72	7.37	94.07	688.7	184	12.2	5.1	3040	2.33	9.4	1.4	0.4	0.5	25.1	1.51	0.31	0.10	27	7.90	0.120
1300303	Soil			0.62	9.10	72.06	245.0	226	14.2	5.9	1309	1.98	9.3	1.8	1.1	0.9	32.7	0.52	0.39	0.12	29	6.91	0.124
1300304	Soil			0.66	6.86	102.6	398.4	199	10.8	4.4	3043	1.80	7.3	1.9	0.3	0.4	35.3	1.37	0.25	0.08	21	8.63	0.144
1300305	Soil			1.39	14.98	168.0	851.5	424	24.4	8.7	2988	3.95	13.0	1.9	2.2	1.1	20.7	1.26	0.61	0.18	44	3.15	0.146
1300306	Soil			1.12	14.85	71.41	228.1	175	21.5	8.2	1148	3.91	13.0	1.8	0.8	2.1	10.5	0.26	0.37	0.24	34	0.32	0.091
1300307	Soil			0.94	23.80	99.42	217.7	249	31.6	12.3	1283	3.80	14.2	2.1	2.1	3.0	13.8	0.48	0.46	0.29	33	0.34	0.089
1300308	Soil			1.01	17.01	34.36	205.1	107	25.5	9.0	1067	3.70	11.8	2.4	6.0	2.0	13.7	0.29	0.46	0.23	47	0.27	0.101
1300309	Soil			0.96	20.29	39.70	221.4	149	25.3	9.2	994	3.26	10.5	2.0	1.8	2.0	14.9	0.43	0.45	0.20	39	0.36	0.083
1300310	Soil			1.05	18.40	70.26	247.4	83	30.2	10.6	1156	3.41	11.8	1.6	3.0	2.8	15.5	0.37	0.46	0.22	43	1.14	0.073
1300311	Soil			0.97	16.89	129.8	453.6	64	28.5	10.7	1510	4.06	12.0	1.6	2.4	3.3	9.5	0.33	0.37	0.24	42	0.19	0.084
1300312	Soil			0.99	18.51	135.8	526.0	133	29.5	9.1	1147	3.95	12.6	1.8	2.5	4.1	11.1	0.46	0.36	0.25	38	0.98	0.082
1300313	Soil			0.78	13.06	155.0	505.0	98	20.9	7.2	1333	3.32	9.2	1.5	1.6	2.7	21.6	0.45	0.21	0.17	28	4.48	0.078
1300314	Soil			0.70	11.41	114.0	369.8	163	17.5	6.8	1393	2.57	7.6	1.4	1.2	2.0	25.6	0.53	0.21	0.15	28	5.85	0.090
1300315	Soil			0.92	13.57	19.92	133.6	105	24.7	7.4	781	2.80	8.9	1.3	1.8	2.0	14.4	0.22	0.42	0.22	51	0.37	0.083
1300316	Soil			0.59	14.29	63.04	218.3	145	20.6	7.0	899	2.68	7.3	1.7	2.6	2.6	23.5	0.38	0.23	0.18	33	3.22	0.091
1303843	Soil			1.54	12.10	165.3	287.4	451	13.4	6.9	616	1.80	9.5	2.5	2.9	2.8	115.4	1.12	0.69	0.11	12	6.09	0.069
1303844	Soil			0.78	23.23	80.09	253.2	153	29.7	11.9	877	4.05	11.1	1.7	1.1	3.5	17.7	0.32	0.36	0.31	26	0.65	0.094
1303845	Soil			0.85	13.40	109.8	410.4	229	15.4	5.9	1336	3.01	7.9	1.5	0.8	1.2	22.3	0.64	0.25	0.22	22	4.22	0.139
1303846	Soil			0.66	5.71	175.5	301.1	68	8.4	4.0	1211	1.47	4.2	1.0	0.4	1.2	42.4	0.71	0.11	0.07	11	9.31	0.075
1303847	Soil			0.66	6.64	143.5	398.4	93	6.1	3.0	856	1.30	4.1	1.0	0.5	1.1	52.4	0.94	0.13	0.05	11	10.55	0.092
1303848	Soil			1.10	13.45	42.01	234.6	88	27.1	7.1	684	3.00	10.0	1.3	3.2	1.1	11.0	0.26	0.48	0.24	53	0.36	0.092
1303849	Soil			1.20	11.27	98.72	488.3	158	24.6	7.1	2109	3.15	11.0	1.7	1.0	0.9	12.2	0.86	0.52	0.21	45	0.56	0.104
1303850	Soil			1.13	9.22	197.5	945.5	204	15.2	6.1	3187	3.39	10.4	2.0	0.8	0.7	25.0	1.36	0.43	0.14	36	5.55	0.176
1303851	Soil			1.11	9.77	142.4	691.1	146	18.6	7.0	2664	3.09	10.6	2.0	2.4	1.2	24.8	1.07	0.41	0.17	41	4.91	0.142
1303852	Soil			2.14	18.17	100.2	575.5	127	29.1	10.5	4030	3.48	14.3	4.0	3.6	1.4	21.1	1.69	0.75	0.31	51	1.69	0.265
1303853	Soil			1.00	6.78	301.6	4430	78	4.9	3.0	3211	5.29	7.3	1.6	0.6	0.4	32.5	10.53	0.20	0.06	11	9.33	0.108
1303854	Soil			1.16	13.21	92.29	888.8	48	13.9	7.5	1901	3.30	7.4	1.2	0.9	0.5	14.3	2.38	0.47	0.27	37	2.47	0.164
1303855	Soil			1.00	6.79	336.3	771.5	96	10.7	4.7	1988	2.47	7.7	1.9	0.3	1.5	37.8	1.34	0.21	0.10	17	8.62	0.147
1303856	Soil			1.14	8.18	537.5	876.0	108	12.2	5.9	2784	3.12	10.1	2.0	<0.2	0.9	30.6	1.45	0.33	0.14	29	6.88	0.187
1303857	Soil			1.45	16.74	257.2	455.1	65	23.6	8.8	3312	3.54	12.0	2.3	2.4	2.0	13.3	0.99	0.48	0.27	39	1.01	0.184



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000347.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300302	Soil	8.5	12.8	5.49	81.9	0.009	2	0.99	0.008	0.04	<0.1	1.8	0.68	0.06	96	0.5	0.02	2.3
1300303	Soil	11.1	15.0	4.63	82.7	0.011	3	1.02	0.009	0.06	0.1	2.4	0.42	0.05	77	0.4	<0.02	2.6
1300304	Soil	7.8	10.6	6.14	77.0	0.005	3	0.81	0.008	0.05	<0.1	1.5	0.65	0.07	56	0.5	0.03	1.7
1300305	Soil	12.5	22.7	2.04	147.1	0.015	3	1.49	0.008	0.06	0.2	2.9	1.69	0.07	93	0.7	0.04	4.0
1300306	Soil	13.6	22.7	0.37	145.1	0.004	4	1.64	<0.001	0.10	<0.1	4.6	0.35	0.04	46	0.3	0.05	4.1
1300307	Soil	15.6	22.5	0.47	109.7	0.006	4	1.34	0.002	0.11	0.1	6.2	0.33	0.02	83	0.6	0.05	4.0
1300308	Soil	17.3	29.5	0.66	163.7	0.011	3	2.01	0.002	0.09	0.2	4.4	0.30	0.03	54	0.6	0.04	5.8
1300309	Soil	16.6	26.6	0.64	142.8	0.008	3	1.67	0.002	0.09	0.1	4.5	0.24	0.03	37	0.5	0.05	4.7
1300310	Soil	15.5	28.4	1.19	175.2	0.013	3	1.94	0.003	0.09	0.2	4.8	0.34	0.02	46	0.5	0.05	5.1
1300311	Soil	17.2	32.9	0.90	175.9	0.005	4	2.22	<0.001	0.12	0.1	4.9	0.49	0.03	41	0.5	0.04	5.8
1300312	Soil	20.3	32.1	1.24	135.3	0.004	4	2.15	<0.001	0.13	<0.1	6.8	0.54	0.03	52	0.8	0.03	5.0
1300313	Soil	11.6	21.8	3.27	100.9	0.002	4	1.87	0.002	0.11	<0.1	5.0	0.57	0.03	64	0.5	0.04	3.9
1300314	Soil	10.5	16.7	4.09	109.7	0.004	4	1.29	0.005	0.11	<0.1	3.8	0.38	0.03	49	0.4	0.03	3.2
1300315	Soil	17.9	31.1	0.69	171.6	0.017	2	1.76	0.005	0.07	0.2	4.4	0.23	0.03	39	0.4	0.04	5.8
1300316	Soil	17.4	25.9	2.53	116.1	0.007	4	1.58	0.004	0.11	<0.1	5.0	0.27	0.03	49	0.4	0.03	4.5
1303843	Soil	11.8	7.4	3.82	38.2	0.002	4	0.45	0.010	0.12	<0.1	3.7	0.22	0.05	87	0.6	0.02	1.2
1303844	Soil	13.6	18.9	0.59	112.0	0.002	4	1.38	0.002	0.14	<0.1	5.9	0.27	0.03	36	0.4	0.05	3.9
1303845	Soil	6.7	13.9	2.55	78.2	0.003	6	1.07	0.004	0.14	<0.1	3.0	0.33	0.10	71	0.4	0.03	2.8
1303846	Soil	4.2	8.4	6.96	40.4	0.004	3	0.45	0.010	0.10	<0.1	2.0	0.34	0.04	49	0.3	<0.02	1.4
1303847	Soil	4.0	7.0	8.36	36.5	0.004	3	0.39	0.010	0.08	<0.1	1.7	0.51	0.06	66	0.4	<0.02	1.2
1303848	Soil	14.6	29.3	0.59	164.2	0.018	2	1.87	0.005	0.07	0.2	3.2	0.44	0.03	40	0.3	0.04	6.0
1303849	Soil	14.8	27.4	0.53	154.1	0.018	2	1.99	0.004	0.06	0.2	3.0	0.38	0.03	54	0.4	0.04	4.9
1303850	Soil	9.8	17.1	3.60	110.5	0.009	4	1.37	0.007	0.09	<0.1	2.2	0.80	0.08	65	0.5	0.03	3.2
1303851	Soil	9.9	20.1	3.28	138.1	0.012	4	1.70	0.006	0.10	0.1	3.2	0.70	0.05	54	0.4	0.03	4.1
1303852	Soil	22.4	31.6	0.91	238.6	0.017	3	2.50	0.006	0.10	0.2	3.8	0.72	0.07	66	0.5	0.04	6.2
1303853	Soil	6.4	6.1	7.21	53.2	0.003	3	0.36	0.008	0.05	<0.1	1.0	1.93	0.10	116	0.6	0.03	1.3
1303854	Soil	9.0	21.8	1.18	135.5	0.009	3	1.55	0.004	0.08	<0.1	1.7	0.41	0.11	57	0.3	0.06	4.7
1303855	Soil	11.1	10.7	6.60	75.6	0.004	3	0.94	0.009	0.09	<0.1	2.3	0.67	0.05	81	0.4	0.03	1.9
1303856	Soil	13.0	15.6	4.61	101.6	0.005	3	1.35	0.007	0.09	<0.1	2.2	0.75	0.07	87	0.6	0.03	3.3
1303857	Soil	13.5	27.7	0.55	184.0	0.006	3	2.21	0.003	0.13	0.1	3.1	0.72	0.07	41	0.4	0.09	5.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303858	Soil			0.41	40.06	32.04	79.3	42	38.4	19.1	1428	4.98	4.0	0.9	1.5	6.1	9.6	0.06	0.49	0.40	22	0.28	0.033
1303859	Soil			0.79	26.10	42.50	121.0	161	24.1	10.0	839	2.43	5.9	1.8	0.3	1.2	24.7	0.30	0.28	0.22	21	1.78	0.115
1303860	Soil			0.86	22.46	42.52	172.7	118	29.1	12.8	573	2.88	8.8	1.4	0.5	3.3	22.9	0.39	0.36	0.27	24	1.14	0.081
1303861	Soil			0.75	20.03	31.37	106.5	118	28.6	12.2	419	2.81	7.6	0.9	0.2	4.2	19.2	0.18	0.31	0.26	24	0.69	0.063
1303862	Soil			1.02	22.95	33.72	108.0	92	26.6	11.7	584	2.69	6.2	1.4	1.3	4.0	32.0	0.17	0.27	0.24	24	2.35	0.069
1303863	Soil			0.79	23.21	32.88	85.9	37	29.2	14.2	719	3.54	6.5	0.8	<0.2	5.0	9.3	0.12	0.29	0.33	32	0.19	0.034
1303864	Soil			1.09	19.70	26.92	112.9	87	32.2	12.8	818	3.00	9.1	1.4	0.8	4.3	15.2	0.17	0.52	0.27	43	0.27	0.075
1303865	Soil			1.05	20.61	41.64	132.9	62	29.8	12.8	953	3.64	8.3	1.4	0.6	5.8	12.4	0.33	0.35	0.26	37	0.99	0.070
1303866	Soil			0.88	27.21	40.47	106.0	87	33.0	16.6	1019	3.52	8.7	1.4	1.0	7.6	15.9	0.15	0.31	0.29	35	0.42	0.065
1303867	Soil			1.12	27.31	23.67	99.6	168	32.1	13.2	692	3.14	9.5	1.4	1.1	4.3	16.5	0.17	0.51	0.27	42	0.31	0.092
1303868	Soil			1.76	42.05	29.78	149.9	138	43.6	30.3	1067	3.51	8.7	0.9	<0.2	7.8	38.9	0.43	0.57	0.27	24	2.65	0.087
1303869	Soil			1.06	30.03	26.29	127.2	151	27.8	12.3	683	3.00	7.2	1.3	0.6	4.9	17.2	0.23	0.38	0.23	24	1.14	0.098
1303870	Soil			0.91	32.05	34.68	170.1	148	30.7	13.9	367	3.02	6.0	1.1	0.3	3.6	24.4	0.37	0.36	0.28	30	0.66	0.083
1303871	Soil			1.05	38.59	33.36	142.1	148	35.1	15.4	575	3.40	6.7	1.3	1.6	5.5	26.5	0.24	0.37	0.27	28	1.75	0.079
1303872	Soil			1.42	27.43	19.15	108.6	107	24.7	14.1	450	5.63	9.5	0.6	1.5	3.2	9.4	0.19	0.76	0.31	61	0.08	0.059
1303873	Soil			0.81	27.94	46.40	162.7	246	32.4	16.8	541	4.07	16.8	0.8	0.9	2.3	193.6	0.43	1.31	0.23	34	2.15	0.073
1303874	Soil			0.72	22.44	47.36	399.2	234	20.2	12.8	613	2.65	14.5	1.7	0.4	1.4	127.8	0.44	1.14	0.27	39	1.92	0.074
1303875	Soil			0.88	20.08	73.36	730.3	340	21.5	13.1	966	3.03	12.0	1.0	<0.2	1.1	57.3	2.96	0.92	0.28	47	2.31	0.094
1303876	Soil			0.86	14.00	72.00	242.4	161	19.4	10.6	626	2.82	11.7	1.3	0.3	1.1	27.9	0.44	0.70	0.26	49	1.65	0.097
1303877	Soil			1.04	20.94	83.99	611.0	53	22.1	10.7	330	2.90	15.5	1.4	0.2	3.1	37.1	0.65	0.61	0.34	51	0.88	0.042
1303878	Soil			0.83	30.69	33.91	208.4	98	31.8	14.7	508	3.24	8.1	1.4	1.1	4.0	35.2	0.41	0.34	0.29	30	0.77	0.078
1303879	Soil			2.02	18.94	38.78	165.9	144	33.6	14.4	1225	3.94	13.5	2.4	0.3	5.0	20.1	0.70	0.50	0.23	44	0.53	0.155
1303880	Soil			1.00	15.19	47.26	110.9	161	24.9	9.4	898	3.13	11.5	1.5	1.5	1.5	18.2	0.30	0.53	0.25	51	0.90	0.104
1303881	Soil			1.11	30.79	49.29	102.0	58	38.5	15.4	685	3.21	11.1	1.3	1.1	7.1	13.7	0.18	0.66	0.27	35	0.31	0.068
1303882	Soil			0.84	23.86	39.50	109.1	114	25.8	12.9	873	2.89	6.4	1.1	1.2	4.9	24.9	0.24	0.28	0.27	23	2.20	0.083
1303883	Soil			1.19	29.29	34.54	126.8	135	29.0	12.9	610	3.07	7.3	1.2	1.2	5.3	24.2	0.29	0.34	0.27	25	1.44	0.099
1303884	Soil			0.52	23.69	41.13	175.8	120	20.8	10.1	659	2.50	5.7	1.3	0.7	3.4	28.7	0.30	0.29	0.21	18	3.97	0.074
1303885	Soil			0.91	36.91	33.64	174.3	183	30.8	16.1	740	3.48	8.2	1.8	2.7	3.3	29.2	0.55	0.52	0.31	31	0.81	0.104
1303886	Soil			0.38	14.32	45.00	155.8	105	15.0	7.5	766	1.92	4.9	1.1	0.8	2.0	37.7	0.55	0.21	0.14	17	6.53	0.074
1303887	Soil			0.70	14.31	43.98	173.8	146	19.2	7.6	980	2.64	6.6	3.2	0.6	2.1	23.2	0.49	0.30	0.23	34	2.51	0.128



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Project: CAR
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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303858	Soil	4.9	25.7	0.39	258.5	0.007	4	1.36	0.004	0.25	<0.1	10.3	0.22	<0.02	19	0.3	0.04	4.4
1303859	Soil	12.9	20.2	0.75	145.9	0.002	7	1.38	0.004	0.18	<0.1	3.0	0.21	0.08	71	0.6	0.02	4.0
1303860	Soil	13.8	23.0	0.61	163.4	0.003	5	1.40	0.004	0.21	<0.1	4.5	0.15	0.05	42	0.4	0.06	4.4
1303861	Soil	16.1	22.7	0.49	111.3	0.004	6	1.34	0.003	0.21	<0.1	4.8	0.16	0.03	36	0.3	0.02	4.3
1303862	Soil	12.7	23.5	1.33	123.9	0.003	6	1.40	0.006	0.25	<0.1	4.7	0.20	0.03	24	0.3	0.02	4.2
1303863	Soil	10.6	30.4	0.49	149.0	0.003	4	2.00	0.003	0.21	<0.1	4.8	0.21	<0.02	12	0.1	0.04	6.7
1303864	Soil	20.9	32.7	0.55	237.5	0.011	5	1.97	0.005	0.15	0.1	4.6	0.21	<0.02	32	0.3	0.03	6.1
1303865	Soil	15.6	32.8	1.18	147.6	0.004	5	2.32	0.003	0.18	<0.1	5.1	0.25	<0.02	36	0.4	0.02	6.4
1303866	Soil	21.2	32.8	0.77	214.4	0.004	4	2.10	0.003	0.20	<0.1	6.6	0.28	<0.02	41	0.3	0.07	6.5
1303867	Soil	17.9	29.1	0.59	204.8	0.008	5	1.83	0.004	0.14	0.1	4.9	0.24	<0.02	46	0.4	0.05	5.8
1303868	Soil	10.1	19.2	1.49	114.0	0.004	5	1.38	0.004	0.19	<0.1	6.1	0.23	0.04	66	0.5	<0.02	4.2
1303869	Soil	13.8	20.5	0.95	104.3	0.003	6	1.42	0.003	0.17	<0.1	5.4	0.19	0.03	47	0.4	0.03	4.3
1303870	Soil	14.7	28.4	0.66	120.3	0.004	7	1.62	0.004	0.23	<0.1	6.1	0.21	0.05	64	0.7	0.03	5.1
1303871	Soil	13.7	28.1	1.43	109.5	0.003	8	1.79	0.004	0.26	<0.1	6.8	0.24	0.04	52	0.4	0.04	5.0
1303872	Soil	11.1	38.6	0.49	81.4	0.024	3	2.02	0.002	0.13	0.1	4.8	0.15	0.02	44	0.5	0.05	7.5
1303873	Soil	20.8	23.8	0.59	118.2	0.006	5	1.46	0.003	0.13	0.1	7.4	0.22	0.05	91	0.5	0.02	4.0
1303874	Soil	10.1	22.6	0.27	251.4	0.007	3	1.43	0.003	0.10	0.1	4.1	0.22	0.06	259	0.6	0.04	4.7
1303875	Soil	14.8	26.7	0.48	193.3	0.011	3	1.76	0.004	0.11	0.2	3.9	0.19	0.07	241	0.6	0.05	5.3
1303876	Soil	13.4	27.4	0.52	203.8	0.013	3	1.78	0.005	0.09	0.1	3.4	0.22	0.07	126	0.6	0.04	5.2
1303877	Soil	12.9	27.9	0.38	177.4	0.005	4	1.91	0.002	0.18	<0.1	4.1	0.36	0.03	61	0.3	0.06	7.0
1303878	Soil	14.3	28.7	0.78	178.7	0.003	8	1.75	0.004	0.22	<0.1	5.5	0.24	0.05	86	0.7	0.04	5.7
1303879	Soil	21.8	35.5	0.54	127.9	0.003	8	2.18	0.001	0.21	<0.1	7.5	0.28	0.04	47	0.7	0.04	4.9
1303880	Soil	21.3	32.5	0.78	191.8	0.014	4	1.92	0.005	0.10	0.1	3.9	0.25	0.04	56	0.6	0.03	5.6
1303881	Soil	18.7	29.3	0.59	161.6	0.011	5	1.86	0.003	0.14	0.1	5.6	0.20	<0.02	47	0.8	0.03	5.1
1303882	Soil	13.2	22.2	1.45	115.7	0.003	6	1.41	0.004	0.21	<0.1	4.9	0.18	0.03	26	0.3	0.04	4.0
1303883	Soil	12.8	22.6	1.06	112.4	0.003	6	1.43	0.004	0.22	<0.1	5.6	0.21	0.05	52	0.5	0.03	4.3
1303884	Soil	8.9	17.3	2.64	91.0	0.003	4	1.06	0.006	0.15	<0.1	4.1	0.28	0.05	37	0.5	<0.02	3.1
1303885	Soil	12.6	25.4	0.69	165.1	0.006	7	1.65	0.004	0.16	<0.1	5.4	0.23	0.06	39	0.5	0.04	5.0
1303886	Soil	8.6	14.3	4.41	79.2	0.003	5	1.01	0.006	0.14	<0.1	3.1	0.18	0.04	28	0.4	<0.02	2.5
1303887	Soil	13.1	25.0	1.63	188.9	0.005	4	1.67	0.004	0.14	<0.1	4.2	0.25	0.06	46	0.6	0.04	4.8



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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1300333	Soil		1.19	10.02	21.72	133.3	50	18.4	7.3	379	2.66	6.9	1.5	3.0	1.5	15.9	0.37	0.50	0.29	51	0.34	0.060
1300334	Soil		1.07	17.07	23.28	140.9	107	21.9	8.7	434	2.91	7.9	2.9	3.7	1.5	18.0	0.35	0.53	0.27	40	0.45	0.096
1300335	Soil		0.72	17.81	34.05	122.0	153	27.1	10.1	625	3.05	7.8	3.1	6.3	2.7	25.5	0.28	0.43	0.28	37	0.65	0.081
1300336	Soil		1.44	18.27	20.52	86.8	25	22.8	8.4	387	3.06	10.6	0.9	4.2	1.2	10.4	0.18	0.73	0.29	54	0.16	0.046
1300337	Soil		0.68	18.30	36.16	135.9	263	23.7	8.0	390	2.79	8.3	1.9	8.2	2.8	26.0	0.31	0.43	0.26	30	1.14	0.084
1300338	Soil		0.86	20.46	35.82	129.6	297	25.2	9.8	651	2.97	9.4	4.2	5.1	2.9	28.8	0.30	0.50	0.26	34	0.65	0.088
1300339	Soil		0.93	19.83	32.94	176.7	204	24.1	10.2	978	2.97	9.3	8.8	3.5	2.8	22.8	0.47	0.49	0.24	34	0.85	0.093
1300340	Soil		0.51	19.56	33.49	149.5	193	16.3	7.2	559	2.02	6.1	2.0	3.0	2.4	40.2	0.47	0.27	0.16	14	5.35	0.095
1300341	Soil		0.38	22.22	28.24	104.6	145	16.9	6.7	467	1.93	4.9	1.4	1.9	2.0	53.5	0.26	0.26	0.16	14	5.89	0.078
1300342	Soil		0.46	21.10	39.59	131.5	205	23.3	8.8	430	2.23	5.8	1.6	3.1	4.6	26.8	0.36	0.18	0.20	21	4.53	0.093
1300343	Soil		0.68	29.30	27.83	153.4	252	29.5	10.6	454	3.14	7.8	4.3	1.8	3.1	28.5	0.34	0.38	0.29	23	0.72	0.123
1300344	Soil		0.56	28.50	33.72	524.3	292	24.3	7.2	322	2.31	8.1	2.3	2.8	1.1	67.5	0.97	0.37	0.21	19	3.32	0.138
1300345	Soil		0.66	21.06	33.12	195.9	156	20.1	7.7	960	2.42	6.3	3.6	1.9	1.3	30.7	0.44	0.29	0.21	17	2.02	0.094
1300346	Soil		0.35	19.42	26.23	97.1	101	15.1	7.5	529	1.86	4.9	1.2	1.5	3.3	138.8	0.28	0.20	0.13	12	9.29	0.058
1300347	Soil		0.42	21.42	45.54	190.0	180	17.9	7.6	782	2.32	6.0	1.2	1.3	1.4	26.9	0.34	0.27	0.17	18	4.27	0.095
1300348	Soil		0.54	23.01	37.06	198.1	156	18.7	7.8	582	2.25	5.9	1.5	1.4	1.5	34.7	0.51	0.29	0.20	15	3.21	0.103
1300349	Soil		0.41	21.07	28.85	140.5	109	16.7	7.1	467	1.94	4.6	1.5	1.5	2.4	37.8	0.33	0.24	0.18	14	4.70	0.082
1300350	Soil		0.81	28.07	43.25	111.4	119	30.0	12.3	1021	3.20	8.1	1.3	1.6	3.2	17.2	0.19	0.48	0.29	31	0.62	0.150
1300351	Soil		0.90	26.36	77.92	186.2	99	28.7	12.3	1508	3.24	9.8	1.6	1.4	2.9	15.1	0.35	0.52	0.30	35	0.88	0.133
1300352	Soil		0.96	23.86	54.44	233.5	103	28.5	12.0	2126	3.41	9.0	1.5	1.3	2.2	12.8	0.45	0.52	0.31	37	0.84	0.132
1300353	Soil		0.56	13.24	72.30	238.0	165	13.5	6.9	2157	2.02	5.7	1.2	1.2	1.2	25.9	0.73	0.33	0.15	17	7.32	0.086
1300354	Soil		0.65	15.37	104.9	293.6	223	16.5	7.9	1372	2.58	7.8	1.5	1.0	1.1	22.0	0.61	0.42	0.18	27	4.58	0.116
1300355	Soil		0.81	13.51	160.8	532.5	331	16.1	6.8	2081	2.63	10.4	2.4	1.1	0.8	33.0	1.18	0.49	0.14	27	6.62	0.162
1300356	Soil		1.08	15.20	306.2	989.7	661	18.8	7.9	2670	3.65	11.6	3.8	1.2	0.8	22.2	2.62	0.53	0.19	34	2.90	0.206
1300357	Soil		0.45	14.00	38.17	113.7	218	17.0	7.4	287	2.35	5.1	0.8	0.5	2.7	8.1	0.18	0.23	0.31	7	0.27	0.035
1300358	Soil		1.13	16.50	53.46	126.8	248	24.3	9.5	1305	2.82	12.2	1.7	1.3	2.1	23.6	0.37	0.52	0.24	30	3.73	0.095
1300359	Soil		0.86	14.52	43.04	167.2	95	21.9	8.8	482	3.40	8.4	1.1	0.5	2.3	18.8	0.20	0.43	0.32	30	0.51	0.116
1300360	Soil		0.78	19.23	93.73	380.1	167	21.9	8.1	1052	3.37	9.9	2.0	0.7	2.3	21.9	0.81	0.36	0.29	23	0.97	0.149
1300361	Soil		0.89	15.82	35.99	101.8	201	23.2	10.0	791	3.04	9.6	2.5	2.5	1.8	32.5	0.23	0.58	0.24	34	1.59	0.104
1300362	Soil		1.25	19.22	30.18	137.4	314	22.8	9.8	577	2.79	11.1	9.6	3.0	1.3	58.3	0.55	0.56	0.24	31	1.80	0.120



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300333	Soil	14.4	30.0	0.71	124.5	0.010	2	1.93	0.004	0.06	0.2	2.6	0.21	0.03	30	0.3	0.04	7.2
1300334	Soil	23.3	30.6	0.81	183.7	0.008	3	1.96	0.005	0.07	0.1	4.0	0.18	0.05	50	0.5	0.02	5.7
1300335	Soil	21.9	34.0	1.26	140.4	0.006	4	1.96	0.004	0.10	<0.1	4.7	0.19	0.04	41	0.5	0.05	5.8
1300336	Soil	14.8	31.0	0.59	141.4	0.018	2	1.94	0.005	0.06	0.2	2.5	0.19	0.03	26	0.3	0.04	6.4
1300337	Soil	19.5	25.9	1.09	168.6	0.006	4	1.45	0.005	0.09	0.1	4.8	0.20	0.04	61	0.5	0.04	4.5
1300338	Soil	23.3	29.1	0.86	171.3	0.008	3	1.60	0.005	0.10	<0.1	5.2	0.21	0.04	74	0.6	0.04	4.8
1300339	Soil	17.4	25.2	0.72	257.3	0.007	3	1.35	0.005	0.09	0.1	4.3	0.23	0.03	58	0.8	0.04	3.7
1300340	Soil	12.1	14.3	3.46	53.6	0.004	4	0.81	0.007	0.10	<0.1	3.9	0.15	0.03	53	0.4	<0.02	2.2
1300341	Soil	8.8	13.3	3.49	61.8	0.003	4	0.84	0.009	0.09	<0.1	3.6	0.12	0.03	39	0.4	<0.02	2.2
1300342	Soil	12.9	20.5	3.30	48.6	0.004	4	1.20	0.009	0.13	<0.1	4.3	0.15	<0.02	79	0.3	0.04	3.4
1300343	Soil	12.4	22.4	0.58	85.9	0.004	4	1.27	0.006	0.12	<0.1	4.8	0.14	0.06	80	0.6	0.04	3.9
1300344	Soil	11.7	17.6	1.38	98.6	0.003	8	1.14	0.008	0.11	<0.1	3.2	0.29	0.10	108	0.8	0.03	3.1
1300345	Soil	9.9	16.0	1.05	114.6	0.003	4	1.06	0.006	0.08	<0.1	2.8	0.17	0.09	47	0.7	0.03	3.2
1300346	Soil	7.7	11.8	3.82	50.0	0.002	4	0.82	0.009	0.13	<0.1	3.3	0.14	0.02	36	0.3	<0.02	2.0
1300347	Soil	11.1	15.4	2.82	69.3	0.003	5	1.07	0.008	0.12	<0.1	3.1	0.23	0.05	59	0.5	0.03	2.7
1300348	Soil	9.5	15.3	1.77	63.1	0.003	5	0.90	0.006	0.09	<0.1	3.0	0.18	0.08	45	0.7	0.03	2.5
1300349	Soil	7.6	13.4	2.90	66.6	0.004	5	0.81	0.008	0.10	<0.1	3.2	0.15	0.06	40	0.6	<0.02	2.3
1300350	Soil	12.7	26.9	0.49	263.4	0.006	3	1.75	0.008	0.14	0.1	5.1	0.24	0.04	20	0.3	0.04	5.4
1300351	Soil	13.6	27.0	0.73	233.3	0.007	3	1.77	0.008	0.12	0.2	4.7	0.28	0.04	37	0.4	0.03	5.3
1300352	Soil	10.6	26.9	0.58	183.6	0.008	4	1.74	0.007	0.13	0.1	4.4	0.28	0.05	36	0.3	0.03	5.3
1300353	Soil	6.5	11.7	4.66	86.0	0.006	3	0.84	0.011	0.09	0.1	2.5	0.25	0.04	37	0.4	<0.02	2.1
1300354	Soil	8.8	16.6	2.85	110.9	0.007	4	1.21	0.010	0.09	0.1	2.6	0.29	0.06	58	0.4	0.03	3.3
1300355	Soil	10.4	14.7	4.18	97.4	0.008	3	1.08	0.012	0.08	0.1	2.0	0.75	0.05	69	0.5	0.03	2.5
1300356	Soil	10.9	19.1	1.36	141.3	0.008	4	1.38	0.009	0.06	<0.1	2.2	1.19	0.12	124	0.5	0.04	3.9
1300357	Soil	10.0	5.4	0.15	48.8	<0.001	4	0.41	0.003	0.11	<0.1	2.8	0.49	0.04	60	0.2	0.02	1.0
1300358	Soil	11.6	18.3	2.40	127.0	0.007	4	1.21	0.009	0.10	0.1	3.3	0.28	0.03	61	0.4	0.03	3.1
1300359	Soil	7.9	20.5	0.36	131.2	0.003	3	1.29	0.004	0.11	<0.1	3.3	0.23	0.05	22	0.3	0.05	4.1
1300360	Soil	9.2	16.2	0.51	98.5	0.003	4	1.08	0.005	0.12	<0.1	3.6	0.43	0.05	44	0.4	0.05	3.0
1300361	Soil	16.0	20.9	0.81	112.2	0.008	4	1.27	0.008	0.09	0.1	3.8	0.18	0.06	66	0.5	0.06	3.5
1300362	Soil	23.6	19.2	0.51	95.8	0.008	5	1.22	0.007	0.11	<0.1	2.9	0.29	0.10	110	0.7	0.05	3.6



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Client: **Rackla Metals Inc.**
 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

WHI12000347.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300363	Soil	0.70	19.65	43.03	114.0	181	21.3	9.2	637	2.69	9.0	1.6	1.0	2.5	31.8	0.30	0.32	0.27	21	2.92	0.083
1300364	Soil	0.81	17.53	54.50	156.3	159	21.8	8.8	798	2.86	8.2	2.3	1.1	4.1	11.0	0.41	0.36	0.25	33	0.25	0.057
1300365	Soil	1.33	19.41	25.52	114.9	101	32.6	11.4	586	3.53	12.5	1.7	2.1	2.5	14.0	0.27	0.78	0.26	48	0.25	0.069
1300366	Soil	0.90	20.11	22.13	130.6	199	24.4	8.9	533	3.13	9.4	2.9	1.7	2.1	31.8	0.35	0.45	0.25	37	0.79	0.114
1300367	Soil	0.54	32.67	19.21	103.4	58	27.7	9.7	271	2.78	16.1	3.9	4.1	4.4	17.6	0.31	0.31	0.28	32	0.49	0.098
1300368	Soil	1.16	15.70	23.71	105.7	48	22.8	9.9	621	3.40	7.7	0.9	2.1	1.1	13.9	0.29	0.53	0.34	42	0.31	0.070
1300369	Soil	0.53	22.19	19.37	103.7	41	34.5	13.0	583	3.23	5.9	1.1	2.8	4.3	18.6	0.22	0.35	0.31	27	0.45	0.107
1300370	Soil	0.47	39.99	33.75	105.7	55	33.1	12.3	478	3.18	13.0	1.9	3.7	4.7	16.8	0.18	0.33	0.34	27	0.53	0.086
1300371	Soil	0.39	22.65	12.99	95.6	44	29.6	10.6	389	2.79	3.2	1.0	1.1	4.0	22.4	0.24	0.23	0.30	24	0.93	0.069
1300372	Soil	0.50	30.48	32.63	105.7	84	27.1	10.2	384	2.84	7.3	1.7	1.2	2.3	27.8	0.17	0.31	0.30	27	1.08	0.088
1300373	Soil	0.76	25.34	22.31	111.3	85	33.5	10.7	420	3.04	9.3	1.2	2.4	2.5	16.8	0.13	0.56	0.25	35	0.34	0.094
1300374	Soil	0.69	21.46	19.49	81.6	107	24.4	8.2	317	2.58	6.9	1.9	1.8	2.2	27.7	0.13	0.40	0.24	32	0.76	0.135
1300375	Soil	1.00	30.66	65.59	409.6	371	34.0	13.5	700	3.69	15.7	1.5	1.1	3.1	21.9	0.86	0.70	0.32	18	0.97	0.184
1300376	Soil	1.12	46.89	55.56	292.8	196	44.8	20.0	631	4.75	23.5	3.3	0.6	5.1	46.2	1.27	0.49	0.29	13	2.61	0.148
1300377	Soil	1.06	26.40	48.06	276.4	202	27.6	10.8	377	3.26	12.8	1.5	0.8	3.0	26.5	0.71	0.46	0.29	21	0.89	0.127
1300378	Soil	1.51	27.87	22.79	118.4	184	35.2	14.3	463	3.63	10.6	1.8	1.7	4.3	40.8	0.29	0.60	0.31	36	0.53	0.128
1300379	Soil	1.14	20.08	22.30	148.2	126	26.5	9.8	430	3.25	8.2	1.5	1.5	3.2	22.7	0.19	0.38	0.27	33	0.63	0.143
1300380	Soil	1.06	25.27	21.31	80.8	68	28.8	17.7	971	3.25	6.9	1.1	2.9	3.8	23.5	0.17	0.34	0.31	27	0.75	0.097
1300381	Soil	0.99	21.70	29.38	110.0	51	33.9	13.6	850	3.70	8.7	1.6	0.9	4.3	14.4	0.15	0.39	0.28	35	0.26	0.117
1300382	Soil	1.35	23.26	28.80	106.3	86	29.2	14.1	741	3.60	10.5	1.6	1.5	4.3	15.2	0.18	0.54	0.32	38	0.16	0.097
1300383	Soil	1.16	28.34	35.16	131.6	129	32.7	15.0	892	3.67	10.0	2.8	2.0	4.2	20.8	0.27	0.45	0.32	34	0.41	0.112
1300384	Soil	1.04	26.93	25.89	126.6	160	29.3	12.9	636	3.42	8.1	3.0	2.2	3.0	26.1	0.30	0.36	0.32	28	0.70	0.079
1300317	Soil	0.36	7.88	102.2	216.2	112	9.9	4.5	959	1.67	4.2	1.1	1.2	2.0	25.9	0.47	0.16	0.12	13	6.36	0.076
1300318	Soil	1.02	16.46	54.19	194.0	84	28.3	9.9	1021	3.44	10.5	1.3	1.1	3.6	12.7	0.25	0.56	0.28	47	0.32	0.097
1300319	Soil	0.89	17.74	77.75	238.0	182	29.4	10.2	1771	3.78	9.0	1.7	1.5	3.7	19.1	0.49	0.52	0.24	37	1.37	0.117
1300320	Soil	0.73	21.13	47.17	248.6	137	28.2	11.2	831	2.98	6.7	1.7	2.3	2.7	18.7	0.42	0.27	0.26	25	1.21	0.119
1300321	Soil	1.33	20.25	47.97	115.4	45	27.4	9.9	743	3.21	10.4	1.3	1.2	1.9	12.3	0.15	0.73	0.30	49	0.20	0.118
1300322	Soil	1.01	15.74	64.29	217.1	194	24.2	10.0	3572	2.68	9.2	1.1	1.2	1.1	20.8	1.00	0.56	0.21	40	3.89	0.125
1300323	Soil	1.47	10.38	127.6	481.9	319	15.0	7.6	3496	2.64	9.9	2.7	0.6	0.5	26.0	1.85	0.46	0.16	37	5.17	0.218
1300324	Soil	1.47	13.29	134.9	529.4	363	23.0	7.0	2809	3.01	11.1	2.1	2.5	1.0	24.5	0.96	0.57	0.18	43	3.42	0.159



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300363	Soil	9.3	13.8	1.70	97.2	0.002	3	0.99	0.006	0.11	<0.1	3.6	0.36	0.03	64	0.4	0.04	3.0
1300364	Soil	19.1	27.2	0.72	122.4	0.003	3	1.71	0.004	0.10	<0.1	4.6	0.26	0.02	64	0.3	0.03	5.3
1300365	Soil	18.6	32.8	0.70	172.3	0.017	2	2.17	0.006	0.07	0.2	4.2	0.21	0.03	54	0.6	0.06	5.9
1300366	Soil	17.1	25.2	0.50	133.6	0.007	3	1.42	0.006	0.09	0.1	4.5	0.19	0.06	63	0.6	0.04	4.5
1300367	Soil	26.4	36.6	1.35	407.6	0.005	5	2.16	0.006	0.14	<0.1	8.2	0.19	0.06	41	1.0	0.03	6.8
1300368	Soil	17.5	33.1	0.72	203.0	0.009	2	1.79	0.005	0.11	0.1	2.0	0.15	0.04	26	0.5	0.05	7.3
1300369	Soil	19.4	36.2	1.25	269.4	0.005	5	1.99	0.005	0.15	<0.1	4.6	0.13	0.03	26	0.3	0.03	6.1
1300370	Soil	24.0	36.6	1.20	123.3	0.005	5	1.92	0.005	0.15	<0.1	8.0	0.14	0.04	35	0.6	0.04	6.1
1300371	Soil	24.3	31.4	0.94	86.0	0.004	4	1.55	0.004	0.11	<0.1	5.5	0.11	0.04	27	0.5	0.03	5.3
1300372	Soil	12.7	27.6	0.74	115.3	0.005	4	1.62	0.005	0.11	<0.1	4.1	0.13	0.07	33	0.4	0.03	5.3
1300373	Soil	18.4	29.5	0.72	108.2	0.010	4	1.72	0.006	0.11	0.1	3.6	0.16	<0.02	32	0.4	0.04	5.2
1300374	Soil	12.7	26.4	0.70	153.2	0.007	3	1.67	0.006	0.11	0.1	3.5	0.16	0.07	24	0.4	0.04	5.5
1300375	Soil	13.8	18.0	0.43	107.3	0.002	4	1.24	0.004	0.15	<0.1	5.2	0.19	0.07	129	0.8	0.05	3.4
1300376	Soil	8.0	11.3	0.89	146.6	0.001	5	1.26	0.006	0.17	<0.1	7.2	0.17	0.13	94	0.8	0.05	2.1
1300377	Soil	10.7	18.7	0.40	144.8	0.002	5	1.35	0.005	0.17	<0.1	4.7	0.21	0.09	90	0.6	0.04	3.7
1300378	Soil	12.4	26.7	0.59	173.3	0.007	4	1.77	0.012	0.17	0.1	5.2	0.23	0.10	58	0.6	0.04	5.4
1300379	Soil	11.7	27.6	0.66	177.9	0.003	3	1.85	0.006	0.14	<0.1	4.8	0.22	0.07	42	0.6	0.04	5.6
1300380	Soil	8.8	24.4	0.62	150.7	0.003	4	1.70	0.005	0.15	<0.1	4.7	0.19	0.07	37	0.5	0.04	5.6
1300381	Soil	11.6	29.5	0.52	179.4	0.003	3	2.37	0.005	0.15	<0.1	5.1	0.28	0.04	28	0.6	0.04	6.4
1300382	Soil	14.3	28.6	0.49	158.8	0.005	4	1.93	0.005	0.15	0.1	4.8	0.25	0.04	41	0.5	0.05	6.3
1300383	Soil	14.4	26.2	0.61	193.3	0.004	5	1.88	0.005	0.17	<0.1	5.5	0.23	0.03	60	0.7	0.06	5.8
1300384	Soil	10.4	24.6	0.61	141.1	0.003	5	1.65	0.005	0.17	<0.1	4.9	0.16	0.05	60	0.8	0.03	5.1
1300317	Soil	9.6	10.7	4.14	48.1	0.002	3	0.76	0.006	0.09	<0.1	2.8	0.20	<0.02	25	0.3	<0.02	1.7
1300318	Soil	14.4	32.6	0.63	199.4	0.008	4	2.16	0.006	0.15	0.1	4.3	0.35	0.02	27	0.3	0.05	7.0
1300319	Soil	19.9	27.6	1.10	196.5	0.010	4	1.69	0.009	0.14	<0.1	5.4	0.49	0.03	43	0.4	0.05	4.9
1300320	Soil	13.5	24.8	0.96	126.4	0.003	5	1.70	0.006	0.24	<0.1	5.0	0.39	0.06	40	0.3	0.04	5.2
1300321	Soil	15.4	33.7	0.47	171.7	0.011	4	2.14	0.007	0.14	0.1	4.1	0.31	0.03	24	0.4	0.07	6.9
1300322	Soil	12.0	24.4	2.55	129.8	0.012	3	1.77	0.010	0.11	<0.1	2.8	0.28	0.06	65	0.5	0.03	4.6
1300323	Soil	12.1	18.8	2.97	141.4	0.009	4	1.49	0.010	0.08	<0.1	1.7	0.44	0.09	73	0.7	0.04	3.7
1300324	Soil	15.9	22.9	2.19	108.9	0.015	3	1.61	0.011	0.09	<0.1	3.0	0.47	0.05	74	0.6	0.04	4.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300325	Soil	1.57	15.02	104.7	414.4	271	24.5	10.1	2282	3.18	13.1	2.0	1.5	1.2	19.6	0.88	0.68	0.22	52	2.36	0.135
1300326	Soil	1.12	7.20	73.27	185.4	160	9.3	4.5	1430	1.50	8.4	1.9	0.3	0.8	45.9	0.41	0.22	0.07	19	9.50	0.145
1300327	Soil	0.88	8.11	204.2	654.3	384	10.0	4.6	2805	2.09	7.1	2.3	0.5	0.3	26.8	1.88	0.44	0.09	24	8.66	0.161
1300328	Soil	0.64	21.34	29.24	119.8	117	25.3	9.4	599	3.17	8.5	1.3	0.6	2.5	11.0	0.18	0.38	0.30	32	0.63	0.074
1300329	Soil	0.51	25.44	31.59	195.5	164	30.9	13.3	347	3.98	9.2	1.3	1.3	4.0	35.3	0.77	0.47	0.30	21	1.60	0.091
1300330	Soil	0.82	12.79	22.32	81.1	111	13.1	8.3	1120	2.45	7.5	1.4	0.3	1.4	28.6	0.46	0.32	0.23	37	1.08	0.172
1300331	Soil	1.13	21.19	26.49	131.8	136	31.3	11.6	614	3.21	12.1	3.4	1.6	2.5	23.1	0.27	0.61	0.26	39	0.53	0.086
1300332	Soil	1.21	17.22	62.36	230.4	384	21.2	9.0	619	2.71	13.2	4.0	2.4	2.3	24.5	0.52	0.70	0.21	29	0.56	0.074
1303888	Soil	0.69	43.04	17.82	63.7	35	31.2	22.3	1479	3.58	4.3	1.0	3.0	5.7	7.9	0.05	0.47	0.44	27	0.05	0.028
1303889	Soil	1.20	27.15	75.64	268.1	279	31.7	10.6	1839	3.73	12.8	1.8	2.0	2.7	19.9	0.61	0.67	0.27	48	0.85	0.272
1303890	Soil	0.92	13.74	49.02	248.9	192	18.7	8.3	2431	2.80	10.3	1.5	1.7	1.1	23.9	0.65	0.55	0.18	43	3.54	0.138
1303891	Soil	0.73	8.89	172.3	352.4	244	12.3	6.8	2532	2.20	8.2	1.7	0.5	0.7	20.1	1.24	0.37	0.12	27	4.47	0.098
1303892	Soil	1.59	14.70	205.1	1809	175	17.5	7.4	3166	3.97	13.2	2.3	2.1	1.0	25.2	3.44	0.42	0.17	26	6.32	0.185
1303893	Soil	0.31	9.96	49.18	182.3	84	10.4	6.6	784	1.25	6.3	1.0	0.2	1.4	34.7	0.36	0.16	0.11	11	9.89	0.051
1303894	Soil	0.38	6.65	234.9	514.5	239	6.4	3.0	1871	1.29	8.6	3.5	<0.2	0.3	43.4	2.85	0.29	0.05	13	12.51	0.127
1303895	Soil	1.34	17.71	29.42	114.1	88	20.8	7.5	416	3.22	13.0	1.2	<0.2	1.3	10.9	0.08	0.48	0.31	43	0.30	0.088
1303896	Soil	0.79	14.28	52.72	58.7	54	14.2	5.8	223	2.44	7.9	0.8	<0.2	2.1	17.2	0.04	0.36	0.36	22	0.24	0.028
1303897	Soil	0.97	26.33	28.14	150.7	126	33.4	16.6	852	4.63	10.8	2.5	0.3	3.2	15.7	0.27	0.47	0.32	33	0.33	0.135
1303898	Soil	0.91	21.78	24.82	87.4	102	24.3	12.2	672	3.28	8.7	2.7	0.4	2.8	19.8	0.11	0.37	0.28	29	0.41	0.087
1303899	Soil	0.94	17.85	16.98	70.7	125	22.5	8.5	377	2.82	10.1	1.8	<0.2	0.7	15.3	0.10	0.40	0.28	34	0.29	0.100
1303900	Soil	1.84	15.05	21.35	125.1	199	25.2	9.5	638	3.08	11.1	4.7	0.8	1.0	26.7	0.33	0.60	0.21	43	1.13	0.091
1303901	Soil	1.18	11.65	26.04	77.4	134	17.0	6.7	322	2.37	8.7	1.8	1.2	0.9	22.2	0.14	0.48	0.21	45	0.43	0.074
1303902	Soil	0.48	26.89	16.65	101.2	101	30.6	11.1	437	2.76	5.5	2.1	1.6	3.8	14.9	0.32	0.25	0.18	32	0.52	0.083
1303903	Soil	0.66	17.71	14.46	108.0	65	21.1	9.0	392	2.51	7.4	1.6	0.4	1.9	16.5	0.50	0.28	0.22	35	0.59	0.119
1303904	Soil	1.21	26.21	22.23	132.2	1059	28.5	10.1	435	2.45	14.3	3.3	6.4	3.5	54.4	0.59	0.68	0.17	35	0.86	0.122
1303905	Soil	0.50	25.40	14.54	80.4	69	24.9	10.3	357	2.41	13.4	2.3	2.4	2.4	20.6	0.35	0.26	0.19	36	0.65	0.081
1303906	Soil	0.54	26.25	12.63	94.7	42	22.3	9.1	363	2.62	2.6	0.8	0.5	2.1	14.3	0.19	0.23	0.19	36	0.37	0.074
1303907	Soil	0.59	12.26	10.70	93.1	42	21.3	9.9	495	2.56	1.8	0.7	0.8	1.6	13.4	0.27	0.29	0.20	32	0.38	0.089
1303908	Soil	0.58	18.57	11.24	105.4	41	24.6	9.2	435	2.69	3.1	0.9	0.5	2.3	23.4	0.29	0.29	0.23	31	0.67	0.106
1303909	Soil	0.29	89.81	55.89	93.9	42	32.3	11.5	319	2.58	3.7	1.3	3.0	3.2	23.6	0.21	0.21	0.26	23	0.88	0.089

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Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300325	Soil	15.2	29.0	1.49	175.7	0.015	4	1.91	0.011	0.10	0.1	3.2	0.53	0.08	70	0.6	0.05	5.4
1300326	Soil	7.0	9.9	6.21	55.0	0.005	3	0.72	0.014	0.09	<0.1	1.7	0.42	0.04	28	0.4	0.03	1.7
1300327	Soil	7.2	11.5	5.63	79.0	0.007	3	0.85	0.017	0.05	<0.1	1.0	0.97	0.08	64	0.6	0.03	1.9
1300328	Soil	8.2	21.7	0.48	151.8	0.003	5	1.63	0.007	0.18	<0.1	4.3	0.27	0.05	29	0.4	0.07	4.8
1300329	Soil	17.3	16.9	0.32	95.1	0.002	5	0.95	0.005	0.15	<0.1	6.5	0.15	0.04	54	0.8	0.07	2.6
1300330	Soil	7.5	17.3	0.23	203.4	0.004	4	1.30	0.004	0.13	<0.1	3.1	0.33	0.11	31	0.4	0.07	5.1
1300331	Soil	13.3	25.8	0.46	125.8	0.008	3	1.59	0.006	0.14	0.1	3.6	0.29	0.04	58	0.5	0.06	4.9
1300332	Soil	14.1	19.8	0.41	106.8	0.005	4	1.23	0.004	0.18	<0.1	3.2	0.30	0.04	87	0.6	0.03	3.9
1303888	Soil	5.9	25.7	0.28	217.2	0.009	3	1.36	0.007	0.27	<0.1	5.8	0.20	<0.02	11	0.2	0.05	5.4
1303889	Soil	18.0	35.0	0.60	189.4	0.011	5	2.27	0.010	0.17	0.2	5.7	0.46	0.04	84	0.6	0.04	6.6
1303890	Soil	13.3	24.2	2.20	149.8	0.012	3	1.59	0.011	0.09	0.1	2.8	0.43	0.08	73	0.4	0.04	4.2
1303891	Soil	10.4	14.7	2.70	110.5	0.007	2	1.18	0.008	0.06	<0.1	2.1	0.38	0.04	59	0.4	0.03	2.8
1303892	Soil	11.8	15.2	4.11	106.7	0.007	3	1.00	0.006	0.05	0.1	1.9	1.03	0.06	78	0.7	0.05	2.4
1303893	Soil	8.7	9.5	6.44	41.2	0.003	4	0.34	0.013	0.09	<0.1	2.4	0.51	<0.02	40	0.3	0.06	1.0
1303894	Soil	5.7	6.5	8.46	43.7	0.007	1	0.35	0.011	0.02	<0.1	0.8	0.90	0.02	123	0.4	<0.02	1.0
1303895	Soil	10.7	27.3	0.43	163.4	0.008	2	1.53	0.002	0.08	0.2	2.4	0.43	0.04	19	0.2	0.05	5.3
1303896	Soil	8.1	15.7	0.25	101.1	0.004	2	0.86	0.002	0.07	<0.1	2.1	0.15	0.06	20	0.3	<0.02	3.2
1303897	Soil	18.5	26.8	0.29	111.0	0.003	2	1.00	<0.001	0.10	<0.1	4.9	0.17	0.03	44	0.6	0.07	2.9
1303898	Soil	18.1	23.8	0.34	138.3	0.003	2	1.52	<0.001	0.09	<0.1	4.4	0.18	0.03	43	0.4	0.05	3.9
1303899	Soil	13.7	21.8	0.23	160.0	0.004	2	1.22	<0.001	0.08	0.1	2.0	0.19	0.03	39	0.3	0.02	4.0
1303900	Soil	17.3	28.5	0.67	153.9	0.014	2	1.87	0.002	0.06	0.2	2.8	0.18	0.04	71	0.5	0.03	4.7
1303901	Soil	16.4	25.9	0.38	164.6	0.011	2	1.55	0.002	0.07	0.1	2.2	0.23	0.04	36	0.3	0.03	5.0
1303902	Soil	33.3	44.2	1.42	112.0	0.006	3	1.90	<0.001	0.12	<0.1	6.0	0.12	0.04	47	0.6	0.03	5.7
1303903	Soil	19.4	38.4	1.37	113.5	0.007	3	1.82	<0.001	0.13	<0.1	3.4	0.14	0.07	37	0.5	0.02	6.5
1303904	Soil	39.8	33.3	0.94	67.8	0.007	3	1.44	0.001	0.11	<0.1	5.5	0.32	0.04	126	0.8	0.04	4.4
1303905	Soil	28.6	39.3	1.67	83.1	0.008	4	1.94	<0.001	0.12	<0.1	4.9	0.13	0.05	46	0.4	<0.02	6.3
1303906	Soil	24.3	40.4	1.49	111.6	0.009	3	1.87	<0.001	0.15	<0.1	2.7	0.13	0.04	21	0.1	<0.02	6.8
1303907	Soil	25.8	36.4	1.21	282.2	0.006	3	1.69	<0.001	0.17	<0.1	2.1	0.13	0.04	14	0.2	<0.02	6.8
1303908	Soil	21.6	37.0	1.14	354.5	0.007	3	1.79	<0.001	0.11	<0.1	3.9	0.12	0.05	28	0.5	0.04	6.3
1303909	Soil	29.9	40.7	1.32	188.7	0.005	5	1.79	<0.001	0.12	<0.1	6.8	0.10	0.05	29	0.4	<0.02	5.7

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303910	Soil			0.30	34.37	29.89	95.2	39	37.2	12.7	427	2.85	3.5	1.3	<0.2	3.5	23.3	0.20	0.22	0.33	21	0.93	0.078
1303911	Soil			0.32	22.69	17.99	97.7	37	35.9	11.8	321	2.79	2.0	1.4	<0.2	3.3	20.5	0.17	0.18	0.28	21	0.83	0.085
1303912	Soil			0.64	22.92	37.71	115.6	75	22.6	11.3	721	2.78	5.8	0.9	<0.2	1.2	27.8	0.27	0.35	0.28	27	1.01	0.140
1303913	Soil			0.77	27.62	28.46	88.4	85	29.1	27.1	846	3.36	8.3	1.3	0.7	1.3	21.1	0.13	0.40	0.26	25	0.35	0.144
1303914	Soil			0.52	22.61	54.65	311.8	158	25.3	11.2	307	2.43	9.6	0.8	<0.2	3.9	24.5	0.76	0.26	0.20	15	1.13	0.144
1303915	Soil			1.07	20.14	18.44	87.0	55	24.5	11.9	493	3.25	7.0	0.9	1.8	3.0	15.0	0.10	0.25	0.26	34	0.41	0.114
1303916	Soil			1.18	24.73	20.20	90.3	55	32.7	18.1	569	3.65	8.4	0.7	0.9	4.1	15.0	0.05	0.35	0.30	31	0.33	0.060
1303917	Soil			1.49	28.62	30.99	121.0	86	33.1	17.2	586	3.58	9.8	1.1	1.0	6.2	21.3	0.17	0.35	0.31	28	0.44	0.103
1303918	Soil			1.09	39.56	24.39	104.6	154	28.9	14.3	627	3.29	8.6	1.4	2.6	3.9	18.0	0.15	0.39	0.30	31	0.35	0.092
1303919	Soil			1.66	52.72	21.88	62.9	373	48.5	17.7	2130	3.74	13.3	0.9	7.6	3.6	29.6	0.24	0.47	0.25	21	4.56	0.059
1303920	Soil			1.27	29.70	23.46	115.4	121	31.0	14.0	491	3.57	9.4	1.7	1.8	4.8	15.9	0.21	0.27	0.28	28	0.37	0.079
1300241	Soil			0.76	26.27	117.2	596.0	159	18.7	8.7	634	2.68	10.5	2.8	1.1	3.1	44.9	1.11	0.62	0.16	17	4.62	0.067
1300242	Soil			0.17	28.14	15.99	117.7	44	43.0	14.9	329	3.20	3.5	1.8	1.6	6.5	21.8	0.09	0.15	0.20	25	0.63	0.069
1300243	Soil			0.67	13.85	158.7	430.2	294	28.0	11.7	643	3.19	12.2	1.2	0.5	3.3	22.3	1.03	0.65	0.25	36	0.74	0.076
1300244	Soil			0.88	17.47	122.6	578.1	175	23.3	9.6	433	3.22	14.9	1.1	0.3	3.8	25.3	0.73	0.94	0.23	26	0.88	0.067
1300245	Soil			1.96	23.44	85.18	472.0	250	27.8	13.4	601	2.63	18.6	1.5	<0.2	2.2	51.1	1.35	1.58	0.22	15	3.01	0.129
1300246	Soil			1.04	20.89	85.54	441.0	139	22.6	9.2	833	2.86	12.1	2.2	<0.2	3.0	26.9	0.98	0.81	0.26	26	0.94	0.097
1300247	Soil			0.52	19.04	60.30	247.2	136	18.1	9.9	755	2.61	9.3	1.5	<0.2	1.6	36.1	0.46	0.64	0.23	22	1.21	0.091
1300248	Soil			1.48	32.44	28.27	180.8	267	28.0	10.3	279	2.67	8.4	1.7	4.2	2.6	40.3	0.35	0.67	0.28	26	1.04	0.147
1300249	Soil			1.88	33.98	34.21	171.2	172	30.3	14.4	317	3.37	11.8	1.7	2.8	3.9	30.2	0.28	0.59	0.29	32	0.51	0.129
1300250	Soil			0.95	30.31	33.70	155.3	66	28.8	16.0	494	3.74	22.3	0.6	3.6	3.4	13.3	0.21	1.78	0.21	35	0.18	0.047
1300251	Soil			0.92	30.60	47.38	199.2	229	28.8	14.6	681	3.79	17.8	1.0	3.9	2.1	26.2	0.50	2.00	0.25	29	1.64	0.080
1300252	Soil			1.26	35.05	19.73	115.9	172	33.9	12.8	302	3.30	12.9	1.0	3.2	4.2	25.1	0.31	1.04	0.22	28	0.44	0.075
1300253	Soil			1.00	35.02	42.37	326.2	209	34.5	16.1	443	3.73	40.9	0.6	3.8	4.1	25.2	0.53	3.68	0.21	34	0.37	0.057
1300254	Soil			0.31	11.60	35.23	330.4	112	8.0	5.1	354	1.21	89.3	0.4	<0.2	0.9	174.4	0.97	2.32	0.08	8	15.00	0.030
1300255	Soil			0.95	17.77	68.41	330.4	527	13.9	8.4	1890	2.79	71.2	0.8	1.8	0.7	82.1	1.54	7.50	0.13	21	11.17	0.086
1300256	Soil			0.71	10.78	40.22	145.2	383	11.2	5.8	1270	2.17	30.6	0.6	1.0	0.7	48.2	0.73	6.19	0.10	19	7.02	0.077
1300257	Soil			0.90	11.78	62.19	175.3	443	11.3	7.1	1677	2.45	48.8	0.7	1.3	0.9	59.7	1.29	9.01	0.08	16	12.91	0.081
1300258	Soil			1.83	16.82	68.93	344.4	735	15.9	11.4	2304	3.75	64.3	1.0	1.7	1.0	52.4	1.62	8.54	0.12	29	9.86	0.088
1300259	Soil			1.72	19.77	48.40	290.4	454	20.6	10.6	1457	3.34	33.1	1.7	1.9	1.2	33.8	1.17	6.09	0.16	33	5.52	0.100



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	
1303910	Soil	25.6	36.0	1.15	113.3	0.005	4	1.81	0.001	0.11	<0.1	7.8	0.09	0.05	28	0.4	<0.02	5.8
1303911	Soil	19.1	36.3	1.05	105.6	0.004	4	1.86	<0.001	0.11	<0.1	6.6	0.09	0.07	29	0.4	0.02	5.7
1303912	Soil	9.9	26.8	0.54	117.6	0.007	3	1.46	0.001	0.10	<0.1	2.4	0.11	0.09	39	0.6	0.03	5.5
1303913	Soil	8.8	26.0	0.52	82.8	0.006	3	1.50	0.002	0.14	<0.1	2.2	0.12	0.09	31	0.4	0.04	4.6
1303914	Soil	13.3	14.7	0.47	66.7	0.004	5	0.93	0.002	0.13	<0.1	4.7	0.14	0.04	94	0.4	0.02	2.6
1303915	Soil	12.7	29.7	0.67	162.0	0.003	3	1.96	<0.001	0.14	<0.1	3.4	0.18	0.05	29	0.3	0.03	6.2
1303916	Soil	12.0	30.1	0.81	144.7	0.005	3	1.85	<0.001	0.12	<0.1	3.8	0.15	0.03	18	0.4	0.03	6.2
1303917	Soil	10.5	24.7	0.63	150.9	0.003	3	1.73	0.002	0.15	<0.1	4.7	0.15	0.05	37	0.4	0.04	4.7
1303918	Soil	11.3	27.9	0.58	211.8	0.004	3	1.75	<0.001	0.14	<0.1	6.1	0.17	0.05	41	0.4	0.04	5.6
1303919	Soil	5.5	10.3	2.83	84.7	0.001	3	0.62	0.004	0.10	<0.1	6.9	0.16	0.05	87	0.7	<0.02	1.6
1303920	Soil	9.9	24.0	0.59	155.8	0.002	4	1.74	<0.001	0.14	<0.1	5.9	0.16	0.04	53	0.5	0.03	5.0
1300241	Soil	11.4	17.0	3.26	112.0	0.002	7	0.92	0.004	0.17	<0.1	4.0	0.47	0.04	456	0.7	0.03	2.7
1300242	Soil	22.6	50.8	2.02	348.0	0.003	5	2.36	<0.001	0.16	<0.1	6.5	0.12	0.03	18	0.6	<0.02	7.2
1300243	Soil	16.3	26.4	0.51	121.7	0.010	4	1.55	0.004	0.10	0.1	5.5	0.25	0.04	101	0.4	0.03	4.1
1300244	Soil	13.1	19.8	0.43	82.9	0.005	5	1.17	0.002	0.13	<0.1	5.0	0.36	0.04	281	0.5	0.09	3.5
1300245	Soil	8.0	10.7	0.99	67.3	0.002	6	0.67	0.005	0.15	<0.1	4.2	0.24	0.11	125	0.6	0.04	1.8
1300246	Soil	13.0	20.3	0.47	80.9	0.008	6	0.98	0.002	0.15	<0.1	5.1	0.27	0.05	127	0.4	0.04	3.5
1300247	Soil	6.6	17.5	0.33	131.3	0.002	6	1.14	0.002	0.14	<0.1	3.9	0.21	0.06	115	0.5	0.05	3.3
1300248	Soil	7.6	20.2	0.44	145.3	0.003	5	1.24	0.005	0.12	<0.1	4.3	0.24	0.08	174	0.7	0.04	3.9
1300249	Soil	9.3	24.0	0.47	160.6	0.003	4	1.54	0.004	0.12	<0.1	5.1	0.20	0.04	132	0.5	0.06	4.7
1300250	Soil	12.7	23.4	0.34	129.1	0.007	3	1.22	0.003	0.10	<0.1	6.5	0.30	<0.02	108	0.2	0.06	3.6
1300251	Soil	10.7	19.8	0.80	145.4	0.006	4	1.06	0.005	0.09	<0.1	5.3	0.24	0.05	207	0.4	0.05	3.1
1300252	Soil	15.7	20.9	0.35	100.7	0.011	3	1.08	0.004	0.08	0.1	5.7	0.17	<0.02	141	0.4	0.02	3.2
1300253	Soil	15.3	24.6	0.42	121.3	0.015	3	1.27	0.007	0.08	0.1	6.3	0.40	<0.02	182	0.2	<0.02	3.5
1300254	Soil	3.7	5.1	1.94	40.2	0.004	2	0.24	0.005	0.03	<0.1	1.7	2.43	<0.02	194	0.3	<0.02	0.8
1300255	Soil	8.3	11.5	4.38	207.1	0.006	4	0.75	0.008	0.06	0.1	3.1	0.58	0.03	250	0.6	0.03	1.8
1300256	Soil	7.3	10.6	2.94	123.2	0.009	3	0.66	0.007	0.04	0.1	2.3	0.24	0.02	170	0.2	0.03	1.8
1300257	Soil	6.5	7.9	6.46	122.5	0.006	3	0.46	0.010	0.04	0.2	2.6	0.39	<0.02	224	0.3	<0.02	1.3
1300258	Soil	8.3	12.3	5.12	161.0	0.009	4	0.75	0.010	0.05	0.2	3.7	0.62	0.04	354	0.5	<0.02	1.9
1300259	Soil	11.3	18.6	3.00	152.9	0.015	3	0.97	0.010	0.06	0.2	3.3	0.41	0.05	289	0.6	0.04	2.9

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300260	Soil	0.91	17.76	51.06	189.1	311	12.9	8.2	833	2.76	31.0	0.7	1.1	0.9	51.2	0.82	6.16	0.10	16	9.59	0.067
1300261	Soil	1.15	14.37	58.99	151.9	294	16.4	8.8	1376	3.52	18.1	0.8	1.6	1.5	27.0	1.37	4.18	0.13	28	6.40	0.086
1300262	Soil	0.98	15.12	86.40	219.9	528	15.1	8.9	1454	5.15	23.9	0.5	0.5	1.3	37.8	3.06	4.78	0.13	25	7.24	0.053
1300263	Soil	0.94	16.21	102.2	259.9	358	16.4	9.6	1693	4.50	28.4	0.5	1.4	0.9	21.7	2.65	5.53	0.17	31	3.81	0.090
1300264	Soil	1.57	23.22	93.75	261.3	884	20.7	12.6	2176	5.25	32.4	0.6	1.3	1.5	40.3	2.18	9.28	0.18	30	4.60	0.064
1300265	Soil	1.11	19.18	64.03	185.3	320	15.5	12.6	3117	5.51	25.7	0.7	0.8	1.1	18.3	0.94	6.67	0.16	26	2.57	0.069
1300266	Soil	1.49	17.30	104.3	285.8	409	16.3	12.0	3375	5.69	27.9	0.6	0.6	0.9	29.1	1.70	8.04	0.15	32	6.02	0.109
1300267	Soil	1.37	11.84	199.6	317.1	386	10.2	6.5	2218	3.07	46.7	0.6	0.9	0.3	36.2	1.87	17.77	0.09	19	11.22	0.105
1300268	Soil	1.02	9.61	109.2	271.1	311	8.4	5.6	1510	2.26	20.6	0.5	0.7	0.2	22.6	1.37	8.74	0.08	20	8.72	0.110
1300269	Soil	1.44	22.99	51.18	306.1	88	24.9	14.4	1035	4.12	13.3	1.3	1.0	1.4	23.9	0.91	1.40	0.32	62	0.58	0.073
1300270	Soil	1.13	19.18	70.99	292.1	162	23.6	10.3	395	2.64	14.9	1.8	1.8	0.8	142.0	1.89	1.31	0.21	42	1.59	0.117
1300271	Soil	1.19	34.61	35.35	100.9	84	27.2	23.1	885	3.93	14.0	0.8	0.7	0.7	69.1	0.56	0.77	0.33	42	0.94	0.157
1300272	Soil	0.90	96.30	53.19	123.8	149	61.4	97.5	1426	7.18	12.1	0.8	1.2	3.4	21.2	0.18	0.64	0.29	41	0.12	0.044
1300273	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300274	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300275	Soil	0.90	96.91	32.65	133.6	101	75.0	142.4	1980	6.52	33.4	0.8	0.8	2.9	20.0	0.20	4.55	0.30	42	0.03	0.041
1300276	Soil	1.02	52.10	43.70	161.1	150	27.6	27.8	1032	6.00	14.0	0.8	1.3	0.7	12.9	0.47	1.47	0.31	49	0.05	0.084
1300277	Soil	1.01	25.07	19.05	105.5	109	28.5	14.2	445	3.05	9.9	1.0	0.8	1.5	42.3	0.43	0.81	0.17	30	0.30	0.066
1300278	Soil	1.16	45.98	24.95	104.3	86	27.7	22.6	741	6.03	6.2	0.5	0.8	2.0	7.2	0.13	0.50	0.27	50	0.06	0.095
1300279	Soil	1.04	57.88	23.29	121.7	77	24.0	16.7	484	6.62	5.7	0.5	0.7	3.0	7.6	0.15	0.52	0.30	56	0.03	0.065



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300260	Soil	5.4	9.4	4.73	141.8	0.004	4	0.56	0.008	0.06	0.1	3.0	0.37	0.05	195	0.3	<0.02	1.5
1300261	Soil	10.3	14.8	3.41	126.4	0.009	5	0.86	0.008	0.08	0.2	3.5	0.30	0.03	83	<0.1	<0.02	2.1
1300262	Soil	9.8	12.6	3.84	104.0	0.004	8	0.76	0.008	0.09	0.1	4.4	0.98	0.03	258	0.2	<0.02	1.8
1300263	Soil	14.4	17.2	2.05	122.3	0.004	10	0.81	0.006	0.09	0.2	4.4	0.61	0.07	154	0.3	0.03	2.0
1300264	Soil	12.4	15.8	2.49	144.7	0.007	8	0.76	0.007	0.08	0.2	5.6	0.85	0.05	211	0.4	0.05	2.1
1300265	Soil	12.0	12.1	1.31	127.1	0.003	4	0.61	0.004	0.07	0.2	5.9	0.40	0.06	82	0.3	0.05	1.4
1300266	Soil	10.9	13.7	3.17	176.9	0.006	6	0.85	0.006	0.11	0.2	4.5	0.40	0.06	80	0.3	0.04	2.1
1300267	Soil	5.8	9.8	5.56	159.3	0.005	9	0.66	0.010	0.08	0.3	1.7	0.38	0.06	239	0.3	<0.02	1.5
1300268	Soil	5.3	9.5	4.46	122.2	0.005	7	0.70	0.008	0.05	0.1	1.2	0.27	0.08	125	0.3	<0.02	1.6
1300269	Soil	12.3	34.3	0.55	140.1	0.026	3	1.87	0.004	0.10	0.1	3.4	0.23	0.05	97	0.4	0.05	6.6
1300270	Soil	13.6	27.5	0.41	138.0	0.014	2	1.56	0.005	0.07	0.2	2.8	0.17	0.07	375	0.4	0.02	4.5
1300271	Soil	11.2	29.2	0.30	112.1	0.012	3	1.59	0.003	0.11	<0.1	4.3	0.15	0.09	53	0.3	0.03	5.0
1300272	Soil	6.9	34.4	0.49	57.3	0.009	3	1.99	0.002	0.12	<0.1	13.4	0.29	<0.02	71	0.2	0.04	6.3
1300273	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300274	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1300275	Soil	4.3	35.0	0.44	100.4	0.005	4	2.08	0.001	0.15	<0.1	10.9	0.28	<0.02	38	0.2	0.03	5.9
1300276	Soil	6.8	37.0	0.30	80.0	0.008	4	1.96	0.001	0.13	<0.1	4.3	0.18	0.05	91	0.3	0.05	7.1
1300277	Soil	15.7	24.5	0.32	94.9	0.009	3	1.47	0.003	0.09	0.1	4.9	0.11	0.04	68	0.2	0.03	3.3
1300278	Soil	6.5	36.5	0.41	64.7	0.010	4	2.14	0.002	0.12	<0.1	5.3	0.15	0.04	56	0.4	0.04	7.6
1300279	Soil	6.5	38.9	0.35	61.6	0.009	3	2.22	0.001	0.13	<0.1	6.5	0.16	0.03	33	0.4	0.04	8.7



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QUALITY CONTROL REPORT

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1303158	Soil	0.90	20.78	69.68	537.5	499	16.9	8.7	2394	2.85	144.3	0.6	2.2	0.7	52.7	2.56	34.15	0.12	19	6.57	0.071
REP 1303158	QC	0.99	22.41	74.39	581.3	532	18.2	9.3	2569	3.16	157.3	0.6	1.4	0.7	54.3	2.69	36.57	0.13	21	6.96	0.075
1303167	Soil	0.80	16.06	74.74	180.3	536	11.1	5.6	1472	4.95	31.0	0.8	0.6	1.3	67.1	1.08	7.84	0.07	13	11.68	0.023
REP 1303167	QC	0.83	16.46	76.63	196.5	537	11.4	6.7	1488	5.04	31.7	0.9	1.2	1.4	67.7	1.09	7.78	0.08	13	11.80	0.027
1303169	Soil	1.94	22.32	102.3	219.8	879	18.8	13.4	2974	6.10	50.2	0.6	0.8	0.8	43.0	1.59	20.17	0.16	31	3.61	0.071
REP 1303169	QC	1.87	22.76	99.90	223.2	876	18.3	13.2	2943	6.03	50.4	0.6	0.4	0.8	42.2	1.56	19.74	0.16	32	3.59	0.070
1303805	Soil	1.13	26.36	21.17	109.1	44	22.1	12.1	444	3.84	9.4	0.5	0.7	0.5	33.4	0.34	0.68	0.26	45	0.36	0.095
REP 1303805	QC	1.15	25.87	21.38	109.0	32	21.9	12.4	448	3.86	9.3	0.6	0.4	0.5	32.4	0.34	0.68	0.26	45	0.35	0.094
1303830	Soil	0.72	17.03	25.52	89.8	78	18.0	6.9	278	1.96	5.6	1.2	1.0	0.7	37.4	0.21	0.22	0.14	19	4.63	0.123
REP 1303830	QC	0.72	17.20	25.58	94.7	76	18.0	7.0	282	1.94	5.7	1.2	0.6	0.7	37.4	0.19	0.22	0.14	19	4.60	0.123
1303841	Soil	1.04	24.33	32.61	125.3	66	23.0	9.2	527	2.88	9.1	5.5	0.5	1.8	17.1	0.20	0.29	0.26	28	0.44	0.106
REP 1303841	QC	1.09	23.23	32.96	127.6	66	23.1	9.1	529	2.91	9.6	5.4	0.9	1.8	16.1	0.19	0.33	0.25	30	0.41	0.108
1300308	Soil	1.01	17.01	34.36	205.1	107	25.5	9.0	1067	3.70	11.8	2.4	6.0	2.0	13.7	0.29	0.46	0.23	47	0.27	0.101
REP 1300308	QC	0.99	16.98	32.93	208.7	101	25.3	9.2	1073	3.69	12.0	2.4	2.9	2.0	13.7	0.30	0.46	0.23	48	0.25	0.100
1303845	Soil	0.85	13.40	109.8	410.4	229	15.4	5.9	1336	3.01	7.9	1.5	0.8	1.2	22.3	0.64	0.25	0.22	22	4.22	0.139
REP 1303845	QC	0.83	12.80	105.3	409.5	219	15.3	5.5	1325	2.99	7.8	1.4	0.8	1.2	21.4	0.62	0.24	0.22	22	4.26	0.133
1303870	Soil	0.91	32.05	34.68	170.1	148	30.7	13.9	367	3.02	6.0	1.1	0.3	3.6	24.4	0.37	0.36	0.28	30	0.66	0.083
REP 1303870	QC	0.87	31.98	33.86	159.6	148	31.6	13.7	451	3.01	5.6	1.2	1.0	3.2	26.3	0.33	0.33	0.28	30	0.78	0.083
1303881	Soil	1.11	30.79	49.29	102.0	58	38.5	15.4	685	3.21	11.1	1.3	1.1	7.1	13.7	0.18	0.66	0.27	35	0.31	0.068
REP 1303881	QC	1.15	30.32	48.82	99.8	67	38.2	15.8	689	3.18	10.5	1.3	1.7	6.9	14.0	0.16	0.63	0.26	35	0.30	0.065
1300351	Soil	0.90	26.36	77.92	186.2	99	28.7	12.3	1508	3.24	9.8	1.6	1.4	2.9	15.1	0.35	0.52	0.30	35	0.88	0.133
REP 1300351	QC	0.84	25.39	74.88	173.2	95	27.4	12.0	1462	3.14	9.3	1.5	1.1	2.8	14.8	0.34	0.50	0.29	33	0.87	0.131
1300362	Soil	1.25	19.22	30.18	137.4	314	22.8	9.8	577	2.79	11.1	9.6	3.0	1.3	58.3	0.55	0.56	0.24	31	1.80	0.120
REP 1300362	QC	1.18	18.74	28.53	134.0	310	21.7	9.6	587	2.79	10.3	9.2	2.5	1.2	54.1	0.56	0.56	0.23	31	1.79	0.113
1300319	Soil	0.89	17.74	77.75	238.0	182	29.4	10.2	1771	3.78	9.0	1.7	1.5	3.7	19.1	0.49	0.52	0.24	37	1.37	0.117
REP 1300319	QC	0.91	17.56	77.54	249.9	180	29.0	10.1	1780	3.80	9.0	1.7	1.4	3.6	19.9	0.49	0.54	0.23	36	1.36	0.114
1300330	Soil	0.82	12.79	22.32	81.1	111	13.1	8.3	1120	2.45	7.5	1.4	0.3	1.4	28.6	0.46	0.32	0.23	37	1.08	0.172
REP 1300330	QC	0.84	12.57	22.10	82.6	103	12.9	8.0	1074	2.43	7.5	1.4	<0.2	1.5	28.7	0.44	0.31	0.24	37	1.07	0.177

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
1303158	Soil	8.0	9.7	3.96	139.5	0.003	4	0.65	0.008	0.08	0.2	2.5	1.30	0.03	682	0.7	0.02	1.5
REP 1303158	QC	8.7	10.2	4.21	154.8	0.004	4	0.71	0.009	0.09	0.3	2.8	1.37	0.04	714	0.7	<0.02	1.6
1303167	Soil	5.3	6.4	6.41	70.3	0.003	7	0.28	0.011	0.05	<0.1	3.2	0.92	0.03	271	0.3	<0.02	0.8
REP 1303167	QC	5.4	7.6	6.48	76.6	0.004	7	0.29	0.011	0.05	<0.1	3.3	0.92	0.03	267	0.6	0.02	0.8
1303169	Soil	8.0	12.3	2.02	181.4	0.003	5	0.70	0.005	0.06	0.2	6.2	1.11	0.06	218	0.5	0.04	1.7
REP 1303169	QC	7.8	12.7	2.02	181.6	0.003	4	0.70	0.005	0.06	0.2	6.2	1.09	0.05	199	0.5	<0.02	1.6
1303805	Soil	6.5	30.7	0.44	110.5	0.007	1	1.64	0.002	0.07	0.1	2.6	0.14	0.05	22	0.2	0.04	5.8
REP 1303805	QC	6.9	30.2	0.45	111.6	0.007	2	1.65	0.002	0.07	0.1	2.5	0.14	0.05	24	0.2	0.04	6.1
1303830	Soil	11.4	15.7	2.22	61.7	0.002	5	0.90	0.003	0.08	<0.1	2.1	0.11	0.06	32	0.2	<0.02	2.3
REP 1303830	QC	11.7	16.7	2.23	64.5	0.002	6	0.90	0.003	0.08	<0.1	2.0	0.11	0.06	30	0.4	<0.02	2.4
1303841	Soil	9.4	26.9	0.52	292.5	0.003	3	1.56	0.002	0.13	0.1	3.8	0.18	0.07	29	0.9	0.03	4.9
REP 1303841	QC	9.7	28.3	0.53	286.8	0.006	4	1.61	0.003	0.14	0.1	4.3	0.21	0.07	23	1.0	0.05	4.8
1300308	Soil	17.3	29.5	0.66	163.7	0.011	3	2.01	0.002	0.09	0.2	4.4	0.30	0.03	54	0.6	0.04	5.8
REP 1300308	QC	17.0	30.5	0.66	157.4	0.011	3	2.04	0.002	0.10	0.1	4.5	0.29	0.03	45	0.7	0.04	5.8
1303845	Soil	6.7	13.9	2.55	78.2	0.003	6	1.07	0.004	0.14	<0.1	3.0	0.33	0.10	71	0.4	0.03	2.8
REP 1303845	QC	6.6	13.2	2.56	78.6	0.003	6	1.05	0.004	0.14	<0.1	2.8	0.33	0.10	69	0.4	0.04	2.7
1303870	Soil	14.7	28.4	0.66	120.3	0.004	7	1.62	0.004	0.23	<0.1	6.1	0.21	0.05	64	0.7	0.03	5.1
REP 1303870	QC	14.2	29.2	0.68	125.9	0.004	8	1.66	0.005	0.24	<0.1	5.6	0.21	0.06	67	0.7	0.05	5.1
1303881	Soil	18.7	29.3	0.59	161.6	0.011	5	1.86	0.003	0.14	0.1	5.6	0.20	<0.02	47	0.8	0.03	5.1
REP 1303881	QC	18.6	29.1	0.59	159.8	0.011	5	1.87	0.003	0.15	<0.1	5.4	0.20	<0.02	41	0.6	0.03	4.9
1300351	Soil	13.6	27.0	0.73	233.3	0.007	3	1.77	0.008	0.12	0.2	4.7	0.28	0.04	37	0.4	0.03	5.3
REP 1300351	QC	13.3	26.4	0.71	221.5	0.007	3	1.72	0.008	0.11	0.2	4.5	0.27	0.04	31	0.3	0.05	5.1
1300362	Soil	23.6	19.2	0.51	95.8	0.008	5	1.22	0.007	0.11	<0.1	2.9	0.29	0.10	110	0.7	0.05	3.6
REP 1300362	QC	23.7	19.3	0.51	94.2	0.008	5	1.22	0.007	0.11	0.1	3.0	0.28	0.10	111	0.7	0.04	3.6
1300319	Soil	19.9	27.6	1.10	196.5	0.010	4	1.69	0.009	0.14	<0.1	5.4	0.49	0.03	43	0.4	0.05	4.9
REP 1300319	QC	20.0	28.0	1.09	193.0	0.010	4	1.71	0.009	0.14	<0.1	5.4	0.50	0.03	46	0.4	0.02	5.0
1300330	Soil	7.5	17.3	0.23	203.4	0.004	4	1.30	0.004	0.13	<0.1	3.1	0.33	0.11	31	0.4	0.07	5.1
REP 1300330	QC	7.3	16.4	0.24	198.9	0.004	4	1.31	0.004	0.13	<0.1	3.3	0.33	0.11	33	0.3	0.07	4.9

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 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 14, 2012

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QUALITY CONTROL REPORT

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303910	Soil	0.30	34.37	29.89	95.2	39	37.2	12.7	427	2.85	3.5	1.3	<0.2	3.5	23.3	0.20	0.22	0.33	21	0.93	0.078
REP 1303910	QC	0.31	33.80	29.69	93.6	43	36.3	12.2	414	2.81	3.5	1.3	<0.2	3.6	22.9	0.19	0.20	0.34	21	0.92	0.081
1300241	Soil	0.76	26.27	117.2	596.0	159	18.7	8.7	634	2.68	10.5	2.8	1.1	3.1	44.9	1.11	0.62	0.16	17	4.62	0.067
REP 1300241	QC	0.75	25.67	113.6	586.7	162	18.3	8.7	622	2.68	10.5	2.8	1.1	3.2	44.4	1.03	0.62	0.16	17	4.64	0.069
1300266	Soil	1.49	17.30	104.3	285.8	409	16.3	12.0	3375	5.69	27.9	0.6	0.6	0.9	29.1	1.70	8.04	0.15	32	6.02	0.109
REP 1300266	QC	1.44	17.09	102.8	280.6	409	16.2	11.6	3230	5.59	27.7	0.6	0.6	0.8	29.4	1.75	7.87	0.15	32	6.01	0.109
1300277	Soil	1.01	25.07	19.05	105.5	109	28.5	14.2	445	3.05	9.9	1.0	0.8	1.5	42.3	0.43	0.81	0.17	30	0.30	0.066
REP 1300277	QC	0.99	26.23	19.07	112.7	105	28.9	14.5	449	3.08	10.2	0.9	1.1	1.5	42.4	0.43	0.85	0.18	31	0.30	0.066
Reference Materials																					
STD DS9	Standard	14.27	101.2	130.6	320.7	1958	41.9	7.6	614	2.35	25.0	2.6	127.1	6.4	74.7	2.34	5.81	6.26	41	0.76	0.087
STD DS9	Standard	14.12	102.8	127.5	317.3	1978	42.3	7.6	644	2.35	25.1	2.7	123.2	6.8	78.5	2.29	5.90	6.14	42	0.79	0.084
STD DS9	Standard	13.94	104.2	119.9	307.8	1920	40.3	8.1	595	2.32	24.1	2.6	134.7	6.2	74.0	2.17	5.29	5.89	40	0.75	0.081
STD DS9	Standard	14.24	105.7	132.7	321.3	1991	41.6	7.5	627	2.38	25.8	2.8	121.0	7.1	79.0	2.47	5.68	6.63	42	0.81	0.088
STD DS9	Standard	14.32	109.1	123.0	311.9	1855	41.8	8.2	595	2.32	24.4	2.8	121.6	6.7	68.0	2.34	4.45	6.37	41	0.76	0.083
STD DS9	Standard	12.56	98.74	119.3	315.5	2004	39.9	7.9	598	2.31	26.6	2.4	123.1	5.5	63.9	2.45	5.34	5.99	39	0.69	0.085
STD DS9	Standard	13.16	97.62	114.5	293.5	1897	40.5	7.6	586	2.27	24.7	2.4	122.3	5.7	62.4	2.32	5.04	5.53	40	0.72	0.079
STD DS9	Standard	12.74	102.4	121.4	311.6	1927	41.9	7.7	589	2.36	26.7	2.4	128.5	5.5	65.8	2.44	5.01	5.98	39	0.71	0.082
STD DS9	Standard	13.65	94.19	128.0	315.5	2046	40.3	6.8	617	2.34	24.7	2.5	133.9	5.8	76.6	2.21	4.85	6.10	41	0.75	0.084
STD DS9	Standard	13.42	109.3	132.6	312.5	1856	42.6	8.9	562	2.29	25.6	3.3	118.6	7.6	80.2	2.42	6.48	7.46	39	0.72	0.085
STD DS9	Standard	13.32	109.5	119.0	299.9	1786	42.5	7.7	591	2.38	25.4	2.5	99.0	6.1	66.5	2.26	5.19	5.77	41	0.74	0.080
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	3	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	<0.01	<0.1	2	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.04	0.1	<2	<0.1	<0.1	1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
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QUALITY CONTROL REPORT

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		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1
1303910	Soil	25.6	36.0	1.15	113.3	0.005	4	1.81	0.001	0.11	<0.1	7.8	0.09	0.05	28	0.4	<0.02	5.8
REP 1303910	QC	25.1	35.2	1.13	111.1	0.004	4	1.83	0.001	0.11	<0.1	7.8	0.09	0.05	28	0.3	<0.02	5.6
1300241	Soil	11.4	17.0	3.26	112.0	0.002	7	0.92	0.004	0.17	<0.1	4.0	0.47	0.04	456	0.7	0.03	2.7
REP 1300241	QC	11.4	17.3	3.26	112.3	0.002	6	0.92	0.004	0.16	<0.1	4.2	0.46	0.04	373	0.8	0.02	2.7
1300266	Soil	10.9	13.7	3.17	176.9	0.006	6	0.85	0.006	0.11	0.2	4.5	0.40	0.06	80	0.3	0.04	2.1
REP 1300266	QC	10.7	13.1	3.12	175.7	0.006	6	0.83	0.006	0.11	0.2	4.6	0.40	0.06	73	0.3	0.04	2.1
1300277	Soil	15.7	24.5	0.32	94.9	0.009	3	1.47	0.003	0.09	0.1	4.9	0.11	0.04	68	0.2	0.03	3.3
REP 1300277	QC	15.8	24.5	0.33	93.6	0.010	3	1.42	0.003	0.09	0.1	4.9	0.12	0.04	64	0.2	0.03	3.3
Reference Materials																		
STD DS9	Standard	14.0	116.2	0.63	293.9	0.122	3	1.01	0.098	0.42	3.2	2.7	6.06	0.17	220	6.0	5.33	5.0
STD DS9	Standard	15.2	122.8	0.63	296.8	0.128	3	1.07	0.110	0.43	3.3	2.8	5.83	0.17	226	5.9	5.62	5.4
STD DS9	Standard	15.0	118.1	0.63	311.4	0.120	3	1.02	0.094	0.41	3.2	2.5	5.88	0.16	199	5.3	5.38	5.1
STD DS9	Standard	16.4	127.8	0.65	336.5	0.119	3	1.05	0.100	0.42	3.2	3.0	5.82	0.17	213	5.8	5.51	5.4
STD DS9	Standard	14.3	118.6	0.62	300.8	0.115	2	1.01	0.095	0.41	3.1	2.6	5.59	0.16	221	5.4	5.31	5.1
STD DS9	Standard	11.4	119.0	0.62	295.0	0.101	2	0.94	0.085	0.40	3.1	2.4	5.80	0.17	221	5.7	5.30	4.5
STD DS9	Standard	11.6	116.7	0.61	286.2	0.107	2	0.95	0.084	0.39	3.2	2.5	5.45	0.16	198	5.0	4.73	4.4
STD DS9	Standard	11.5	116.0	0.63	315.8	0.103	2	0.95	0.083	0.40	3.1	2.6	5.76	0.16	216	5.5	5.36	4.7
STD DS9	Standard	12.5	119.6	0.63	332.0	0.119	3	1.00	0.096	0.41	3.0	2.9	5.84	0.17	250	5.5	5.56	5.2
STD DS9	Standard	15.3	116.6	0.62	317.1	0.119	2	0.99	0.086	0.40	3.0	2.5	5.50	0.17	198	5.6	5.36	4.6
STD DS9	Standard	13.2	117.9	0.63	300.4	0.118	2	0.97	0.083	0.40	3.2	2.4	5.21	0.17	183	4.6	5.51	4.6
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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Project: CAR
Report Date: August 14, 2012

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QUALITY CONTROL REPORT

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
BLK	Blank	<0.01	0.04	0.06	<0.1	8	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.10	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
Report Date: August 14, 2012

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



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 23, 2012
Report Date: July 30, 2012
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CERTIFICATE OF ANALYSIS

WHI12000401.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-4
P.O. Number: NA-12359
Number of Samples: 5

SAMPLE DISPOSAL

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

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

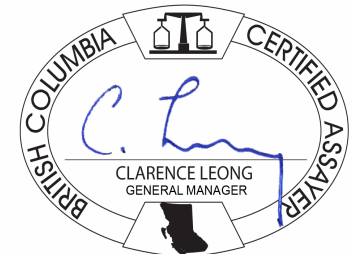
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	5	Dry at 60C			WHI
SS80	5	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	5	Saving all or part of Soil Reject			WHI
1F02	5	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: July 30, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000401.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300280	Soil	1.04	54.76	25.21	120.2	214	27.0	18.4	513	5.17	5.9	0.7	1.7	2.7	6.5	0.30	0.67	0.31	43	0.03	0.070
1300281	Soil	1.09	21.19	29.78	120.5	92	29.6	11.9	423	3.36	9.0	1.2	2.1	3.4	16.7	0.21	0.49	0.27	28	0.23	0.094
1300282	Soil	0.84	34.68	21.77	68.9	37	29.4	17.9	456	4.46	8.3	0.7	2.2	4.0	7.9	0.16	0.64	0.31	38	0.06	0.039
1300283	Soil	1.58	23.10	25.98	85.7	118	18.0	10.3	846	2.78	8.5	0.4	2.1	0.5	6.5	0.15	0.73	0.29	41	0.03	0.070
1300284	Soil	0.81	24.74	42.09	168.0	116	26.0	11.0	530	2.90	7.7	1.5	2.6	4.8	21.2	0.18	0.41	0.27	22	0.54	0.076



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CERTIFICATE OF ANALYSIS

WHI12000401.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1300280	Soil	6.3	29.2	0.38	54.0	0.006	2	2.05	<0.001	0.10	<0.1	4.9	0.12	0.03	47	0.4	<0.02	6.2
1300281	Soil	13.1	25.3	0.41	110.7	0.004	3	1.50	0.002	0.12	<0.1	4.4	0.18	0.04	33	0.3	0.04	4.3
1300282	Soil	13.4	26.1	0.33	96.8	0.004	1	1.32	<0.001	0.09	<0.1	5.6	0.13	<0.02	19	0.3	0.05	4.0
1300283	Soil	11.1	19.1	0.11	92.3	0.007	3	0.74	0.002	0.10	<0.1	1.8	0.15	0.02	35	0.3	0.04	4.9
1300284	Soil	14.1	21.8	0.53	142.9	0.003	6	1.36	0.002	0.14	<0.1	4.8	0.18	0.02	43	0.3	<0.02	4.0



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Project: CAR
 Report Date: July 30, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI12000401.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Reference Materials																					
STD DS9	Standard	13.68	109.9	125.0	304.1	1891	42.4	7.6	590	2.31	25.7	3.1	116.4	6.9	80.5	2.47	6.47	7.00	40	0.73	0.086
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
 Report Date: July 30, 2012

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QUALITY CONTROL REPORT

WHI12000401.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Reference Materials																		
STD DS9	Standard	15.5	121.9	0.62	319.6	0.134	2	0.96	0.085	0.40	3.0	2.7	5.52	0.16	233	5.6	5.21	4.7
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 23, 2012
Report Date: August 15, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI12000414.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-8
P.O. Number: NA-12359
Number of Samples: 316

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
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Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	316	Dry at 60C			WHI
SS80	316	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	314	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	316	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000414.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1298804	Soil	0.70	23.66	16.93	92.4	48	36.9	12.6	527	3.00	5.1	1.6	4.3	2.9	20.2	0.24	0.44	0.33	27	0.64	0.093
1298805	Soil	1.06	37.23	25.52	88.1	39	32.1	13.4	786	3.20	8.0	0.7	5.5	1.4	7.3	0.15	0.52	0.37	38	0.11	0.091
1298806	Soil	0.85	42.77	30.15	83.2	262	37.0	53.2	2551	3.18	9.6	1.7	0.6	0.7	38.3	0.16	0.43	0.26	22	0.41	0.265
1298807	Soil	0.67	32.36	40.18	129.8	182	33.4	18.1	513	3.08	11.6	1.3	0.7	3.6	31.3	0.16	0.32	0.37	14	0.63	0.098
1298808	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298809	Soil	1.53	31.53	22.94	111.7	99	36.0	15.3	509	3.43	11.0	1.3	0.6	3.4	30.3	0.26	0.47	0.33	27	0.63	0.139
1298810	Soil	1.53	44.10	22.70	90.8	109	34.9	17.6	1197	3.56	11.4	1.4	0.8	2.6	21.4	0.19	0.43	0.38	32	0.32	0.099
1298811	Soil	1.31	29.97	16.98	84.3	46	28.6	12.8	634	3.22	9.4	1.0	0.5	1.4	15.8	0.15	0.49	0.32	38	0.21	0.083
1298812	Soil	1.13	26.16	16.84	97.5	76	28.9	10.4	421	3.09	9.5	1.2	0.9	1.7	20.1	0.15	0.38	0.31	34	0.30	0.111
1298813	Soil	1.30	23.99	19.37	97.6	57	25.2	12.0	595	3.34	10.1	1.0	1.0	0.7	11.7	0.25	0.51	0.30	42	0.09	0.104
1298814	Soil	1.24	29.51	22.06	96.1	37	29.4	20.0	402	5.04	11.2	0.6	0.3	3.3	8.8	0.26	0.49	0.33	54	0.05	0.097
1298815	Soil	1.17	37.16	20.49	116.5	52	33.2	21.9	467	4.15	9.8	0.6	1.0	1.0	9.6	0.25	0.54	0.30	43	0.10	0.081
1298816	Soil	1.34	26.62	17.04	74.8	119	19.7	11.7	777	3.19	8.6	0.8	<0.2	0.2	7.0	0.12	0.60	0.28	41	0.03	0.121
1298817	Soil	1.19	35.76	19.07	90.8	37	30.0	22.1	416	4.55	10.6	0.6	0.3	2.9	11.8	0.19	0.49	0.31	43	0.05	0.072
1298818	Soil	1.23	42.81	18.67	91.5	36	33.9	23.5	388	4.19	10.2	0.8	0.2	4.9	13.2	0.21	0.49	0.33	47	0.05	0.047
1298819	Soil	1.11	39.63	20.01	79.3	56	25.2	16.3	439	3.99	10.0	0.7	0.4	1.3	10.3	0.13	0.53	0.30	42	0.03	0.066
1298820	Soil	1.20	37.20	20.68	82.0	52	26.8	22.6	551	4.15	10.5	0.6	0.3	1.5	12.2	0.15	0.50	0.29	37	0.06	0.106
1298821	Soil	0.83	43.39	30.69	164.0	220	32.1	17.4	547	3.39	16.8	1.3	<0.2	1.7	125.0	0.44	1.10	0.24	35	1.00	0.098
1298822	Soil	0.82	33.72	22.18	102.3	170	26.5	11.6	329	2.83	15.1	1.3	0.6	1.0	123.6	0.32	0.78	0.23	35	1.24	0.116
1298823	Soil	0.95	44.78	25.90	113.4	142	40.2	21.7	567	3.65	10.9	1.1	0.8	1.9	35.8	0.29	0.57	0.30	35	0.32	0.077
1298824	Soil	0.79	43.27	28.09	151.2	138	32.2	17.2	350	3.69	22.4	1.2	0.4	0.8	138.1	0.33	1.80	0.25	28	1.57	0.127
1298825	Soil	1.02	33.98	22.56	95.5	107	28.3	20.7	666	3.37	12.7	0.9	<0.2	1.0	36.1	0.24	0.81	0.26	35	0.28	0.087
1298826	Soil	0.77	34.89	29.43	134.0	182	31.2	14.7	336	2.89	22.9	0.9	1.0	1.2	391.5	0.34	1.51	0.23	27	4.55	0.131
1298827	Soil	0.84	31.73	34.58	140.8	155	25.1	9.9	230	2.42	20.9	2.2	<0.2	0.4	242.4	0.39	1.78	0.22	28	2.23	0.138
1298828	Soil	0.75	75.14	27.14	90.4	132	52.3	28.3	316	3.71	14.4	1.6	1.8	2.3	461.1	0.20	0.76	0.37	23	2.45	0.172
1298829	Soil	1.06	32.74	30.09	290.1	246	29.2	12.3	717	2.68	13.4	1.4	2.2	0.5	101.1	1.10	0.77	0.24	36	2.36	0.159
1298830	Soil	1.30	31.19	44.64	256.3	218	30.1	16.1	789	2.96	14.6	0.9	1.1	0.6	80.1	0.84	1.02	0.27	38	2.01	0.108
1298831	Soil	1.01	23.85	28.86	90.5	230	25.7	12.3	588	2.53	12.7	0.8	3.5	1.4	305.4	0.63	0.85	0.20	31	10.65	0.071
1298832	Soil	1.25	36.54	34.22	154.5	272	26.8	11.7	664	2.70	14.2	0.7	2.1	0.6	168.2	0.88	1.01	0.24	26	6.54	0.098
1298833	Soil	0.92	38.27	30.40	100.0	240	32.9	14.5	478	3.27	14.4	0.6	1.1	1.8	57.7	0.31	0.85	0.30	30	1.04	0.052

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000414.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298804	Soil	20.8	32.0	0.89	221.8	0.009	3	1.71	0.003	0.07	<0.1	5.6	0.08	0.04	37	0.3	0.08	4.9
1298805	Soil	15.2	35.0	0.78	98.0	0.010	2	1.89	<0.001	0.08	0.1	2.7	0.10	0.05	34	0.5	0.08	5.7
1298806	Soil	11.2	25.7	0.56	92.6	0.004	6	1.72	0.004	0.15	<0.1	1.3	0.25	0.08	86	0.6	0.03	4.4
1298807	Soil	6.6	14.8	0.29	84.4	0.003	4	1.03	0.006	0.11	<0.1	4.7	0.12	0.09	116	0.3	0.04	2.8
1298808	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298809	Soil	8.0	20.7	0.48	117.1	0.006	4	1.39	0.005	0.09	<0.1	4.1	0.14	0.06	44	0.6	0.06	4.1
1298810	Soil	8.2	20.7	0.43	125.6	0.006	3	1.35	0.003	0.09	<0.1	4.6	0.13	0.04	55	0.5	0.04	4.0
1298811	Soil	11.1	25.9	0.48	117.3	0.010	3	1.59	0.003	0.08	0.1	2.5	0.12	0.03	33	0.4	0.07	4.9
1298812	Soil	11.4	25.4	0.53	151.2	0.008	3	1.65	0.004	0.09	0.1	2.8	0.14	0.04	37	0.5	0.03	4.8
1298813	Soil	11.0	25.6	0.42	125.4	0.008	2	1.60	0.002	0.08	0.1	1.7	0.13	0.04	37	0.3	0.03	4.7
1298814	Soil	12.7	33.2	0.50	66.0	0.008	3	2.05	0.001	0.09	<0.1	4.1	0.13	0.03	35	0.3	<0.02	5.7
1298815	Soil	13.1	25.2	0.42	67.8	0.008	3	1.50	0.001	0.08	<0.1	3.0	0.18	0.03	21	0.5	0.04	4.4
1298816	Soil	8.3	21.7	0.16	76.9	0.004	2	1.07	0.002	0.07	<0.1	0.7	0.15	0.09	27	0.2	0.07	4.7
1298817	Soil	7.9	31.9	0.48	73.0	0.009	3	2.11	0.002	0.09	<0.1	4.1	0.14	0.03	49	0.6	0.02	5.4
1298818	Soil	9.8	33.0	0.52	82.4	0.012	3	2.24	0.002	0.09	<0.1	5.2	0.16	<0.02	33	0.4	0.03	5.8
1298819	Soil	7.0	28.1	0.35	55.6	0.009	2	1.63	0.001	0.07	<0.1	3.4	0.14	0.03	42	0.4	0.04	5.3
1298820	Soil	7.2	26.5	0.36	46.8	0.007	2	1.48	0.001	0.07	<0.1	2.9	0.10	0.03	35	0.4	0.05	4.8
1298821	Soil	10.8	24.8	0.35	141.8	0.008	3	1.28	0.004	0.08	<0.1	5.6	0.14	0.06	114	0.5	0.05	3.6
1298822	Soil	10.8	23.9	0.36	124.1	0.011	3	1.26	0.005	0.06	<0.1	3.7	0.10	0.08	99	0.5	0.02	3.6
1298823	Soil	10.9	23.1	0.46	108.6	0.010	3	1.41	0.003	0.09	<0.1	5.0	0.15	0.03	45	0.5	0.03	4.0
1298824	Soil	9.2	22.1	0.34	89.0	0.006	3	1.22	0.003	0.07	<0.1	3.8	0.11	0.07	189	0.4	0.03	3.5
1298825	Soil	10.2	24.7	0.35	112.9	0.010	2	1.39	0.003	0.07	0.1	3.4	0.14	0.04	57	0.3	0.05	4.0
1298826	Soil	14.0	17.7	0.28	155.4	0.007	6	1.09	0.003	0.09	<0.1	7.1	0.15	0.05	91	0.4	0.04	2.6
1298827	Soil	12.3	16.4	0.22	129.5	0.007	5	1.05	0.004	0.07	0.1	1.9	0.17	0.13	79	0.6	0.04	2.9
1298828	Soil	23.6	15.2	0.14	98.3	0.003	9	0.81	0.003	0.16	<0.1	5.0	0.19	0.06	138	0.7	0.07	2.2
1298829	Soil	16.1	23.1	0.36	151.9	0.009	5	1.41	0.005	0.07	0.1	2.4	0.13	0.13	113	0.7	0.04	3.8
1298830	Soil	14.8	22.5	0.38	152.2	0.011	7	1.43	0.006	0.09	0.1	2.5	0.19	0.10	166	0.6	0.06	3.8
1298831	Soil	16.0	18.3	0.39	144.1	0.015	3	1.05	0.008	0.06	0.1	6.4	0.10	0.05	88	0.4	0.05	2.3
1298832	Soil	13.4	14.7	0.50	110.4	0.007	4	1.00	0.005	0.07	0.1	5.3	0.17	0.09	141	1.0	0.07	2.2
1298833	Soil	18.7	19.2	0.29	124.8	0.011	5	0.91	0.005	0.07	0.2	4.8	0.51	0.04	143	0.6	0.07	2.5

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298834	Soil			0.76	30.12	48.97	111.6	342	24.0	12.1	488	2.62	20.3	0.8	0.3	1.8	322.7	0.48	2.59	0.18	21	12.76	0.083
1298835	Soil			0.94	35.35	50.29	136.1	301	27.6	13.5	604	3.04	27.5	0.8	0.7	1.6	213.0	0.50	2.68	0.25	28	6.43	0.081
1298836	Soil			0.93	28.40	35.53	168.1	410	31.7	12.9	934	3.04	19.1	0.8	3.0	0.9	70.4	1.13	1.45	0.29	45	1.67	0.087
1298837	Soil			1.08	21.37	32.94	127.7	218	24.8	13.0	713	2.97	18.9	1.1	1.2	1.3	49.7	0.42	1.07	0.27	46	1.12	0.076
1298838	Soil			1.12	22.51	35.60	135.0	274	26.6	14.9	757	2.98	19.8	1.5	1.3	1.1	87.2	0.51	1.60	0.29	43	1.61	0.105
1298839	Soil			0.98	26.47	47.49	223.2	312	27.0	12.6	815	2.94	39.0	1.4	0.8	1.0	73.7	1.14	4.79	0.26	38	2.90	0.149
1298840	Soil			0.03	3.10	0.23	4.1	8	0.7	1.0	19	0.31	<0.1	<0.1	3.7	<0.1	10.7	0.03	0.04	0.06	10	0.10	0.024
1298841	Soil			0.80	18.22	13.11	76.4	22	31.7	10.6	285	3.51	6.3	0.6	2.1	3.6	6.4	0.14	0.41	0.25	33	0.06	0.054
1298842	Soil			1.19	47.08	30.69	110.9	301	39.6	43.2	2203	4.18	12.9	9.7	1.3	1.0	36.6	0.22	0.52	0.28	23	0.66	0.492
1298843	Soil			0.95	34.15	26.13	104.8	154	34.4	13.9	587	3.45	13.1	1.7	2.1	3.0	22.2	0.13	0.53	0.34	25	0.62	0.149
1298844	Soil			1.81	41.88	28.28	124.1	173	41.2	17.8	664	4.07	13.6	2.3	1.9	3.6	33.7	0.23	0.51	0.31	26	0.64	0.163
1298845	Soil			2.46	41.64	27.38	108.7	176	36.2	12.4	416	3.54	10.7	1.8	2.0	2.0	27.5	0.27	0.48	0.32	25	0.60	0.095
1298846	Soil			1.24	42.93	22.79	86.6	31	38.6	20.7	530	4.36	10.3	0.5	1.7	3.2	9.2	0.12	0.53	0.26	33	0.05	0.049
1298847	Soil			1.04	25.34	20.43	76.4	29	21.9	13.2	547	3.62	8.8	0.5	0.5	1.1	7.1	0.20	0.55	0.23	35	0.06	0.085
1298848	Soil			1.07	76.32	45.56	82.8	160	33.1	62.7	3467	5.50	10.0	0.6	1.0	2.5	17.4	0.32	0.67	0.38	57	0.42	0.136
1298849	Soil			1.75	109.4	82.37	652.3	324	67.8	50.1	1370	9.20	14.9	1.3	2.6	5.5	11.9	2.41	0.80	0.39	36	0.20	0.083
1298850	Soil			0.96	34.90	21.98	87.0	92	29.1	14.7	501	4.01	10.9	0.7	1.1	1.1	8.5	0.22	0.63	0.26	38	0.09	0.090
1298851	Soil			1.02	33.13	17.56	88.4	52	29.3	15.5	459	3.66	8.8	0.6	0.9	1.5	11.9	0.21	0.63	0.23	35	0.09	0.061
1298852	Soil			0.80	128.3	42.06	147.6	115	99.7	78.6	1869	7.92	6.4	1.0	1.5	3.4	27.1	0.25	0.62	0.28	42	0.10	0.058
1298853	Soil			1.39	25.53	20.84	115.8	46	21.8	14.2	381	3.52	11.7	0.5	0.7	3.6	13.7	0.56	0.90	0.21	43	0.08	0.029
1298854	Soil			0.84	35.32	32.40	215.8	212	26.5	14.2	458	2.90	16.5	1.6	1.0	0.8	198.7	0.48	1.50	0.19	29	1.90	0.101
1298855	Soil			0.56	45.08	23.90	100.3	60	40.0	20.0	854	3.46	35.6	0.8	1.1	2.3	26.5	0.19	0.81	0.42	19	0.56	0.068
1298856	Soil			0.88	26.49	45.94	569.8	200	23.8	16.2	1353	3.71	21.5	0.6	2.0	1.1	43.7	1.65	2.28	0.18	27	3.19	0.069
1298857	Soil			0.86	16.69	30.41	124.1	124	19.5	13.7	835	3.26	14.1	1.1	1.7	1.0	54.6	1.44	1.05	0.22	38	2.15	0.096
1298858	Soil			1.22	37.77	54.51	206.4	333	31.6	26.0	545	4.22	42.1	0.8	0.9	1.9	70.3	0.53	7.21	0.23	34	1.90	0.116
1298859	Soil			0.87	32.31	35.26	98.9	154	32.0	16.7	698	3.42	30.5	1.3	2.2	1.5	150.2	0.30	4.10	0.23	35	1.63	0.090
1298860	Soil			1.18	22.20	24.49	120.5	73	26.6	15.2	823	3.05	14.3	0.8	1.4	1.2	91.1	0.49	0.98	0.25	44	1.51	0.102
1298861	Soil			0.85	40.78	47.04	156.9	419	29.7	15.4	640	3.11	16.0	1.2	1.6	0.8	86.1	0.65	2.17	0.23	32	2.19	0.093
1298862	Soil			0.75	33.83	36.30	113.2	320	26.8	14.2	622	2.95	14.6	1.0	1.3	1.0	142.1	0.59	1.22	0.21	28	5.28	0.095
1298863	Soil			0.83	29.44	40.87	131.8	338	26.8	13.5	528	3.01	18.5	1.4	1.3	1.3	53.1	0.33	1.37	0.25	36	1.68	0.097



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit	MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298834	Soil	12.1	10.9	0.43	81.6	0.014	4	0.45	0.007	0.05	0.1	6.6	0.78	0.03	57	0.5	0.07	1.3
1298835	Soil	14.3	15.6	0.52	107.0	0.011	4	0.90	0.006	0.08	<0.1	7.1	0.57	0.04	209	0.6	0.09	2.2
1298836	Soil	19.3	26.1	0.49	183.3	0.018	4	1.40	0.008	0.06	0.2	2.8	0.25	0.08	122	0.8	0.03	4.0
1298837	Soil	14.7	24.4	0.43	181.6	0.015	3	1.43	0.006	0.05	0.2	3.1	0.21	0.06	88	0.4	0.03	4.4
1298838	Soil	15.9	25.3	0.43	217.0	0.015	3	1.44	0.006	0.06	0.2	3.0	0.22	0.07	129	0.6	0.05	4.0
1298839	Soil	15.0	21.9	1.15	150.7	0.016	5	1.28	0.008	0.07	0.1	3.0	0.32	0.07	229	0.5	<0.02	3.4
1298840	Soil	1.0	0.9	0.03	14.0	0.016	1	0.14	0.067	0.04	<0.1	0.4	<0.02	<0.02	<5	<0.1	<0.02	0.6
1298841	Soil	12.5	30.7	0.74	64.6	0.008	3	1.86	0.002	0.09	0.1	2.4	0.11	0.02	28	0.2	0.03	6.1
1298842	Soil	16.4	33.5	0.49	92.6	0.003	4	2.09	0.005	0.10	<0.1	1.8	0.26	0.13	91	1.9	0.07	4.9
1298843	Soil	11.7	22.3	0.45	123.8	0.005	3	1.40	0.005	0.07	0.1	4.6	0.15	0.06	84	0.5	0.03	3.8
1298844	Soil	9.9	25.2	0.53	142.0	0.005	3	1.48	0.007	0.10	<0.1	5.5	0.18	0.07	85	0.5	0.04	4.3
1298845	Soil	7.7	20.6	0.32	121.4	0.003	3	1.11	0.002	0.09	<0.1	4.2	0.21	0.06	76	0.4	0.08	3.5
1298846	Soil	8.3	25.0	0.48	90.5	0.004	3	1.76	0.002	0.08	<0.1	4.0	0.14	<0.02	22	0.2	0.05	4.4
1298847	Soil	7.5	21.8	0.35	92.8	0.006	2	1.52	0.001	0.06	<0.1	2.2	0.11	0.04	29	0.1	0.06	4.6
1298848	Soil	14.5	33.7	0.67	137.7	0.012	3	1.93	0.003	0.12	<0.1	10.6	0.19	0.06	58	0.2	0.06	6.9
1298849	Soil	12.1	27.4	0.66	72.6	0.005	4	1.95	0.003	0.11	<0.1	14.3	0.38	0.07	97	0.8	0.07	4.3
1298850	Soil	9.8	25.9	0.38	93.3	0.005	2	1.46	0.002	0.08	<0.1	2.9	0.17	0.04	48	0.3	<0.02	4.6
1298851	Soil	9.1	27.5	0.41	77.3	0.013	2	1.60	0.002	0.08	0.1	3.4	0.11	0.02	40	0.3	0.02	4.5
1298852	Soil	4.9	37.4	0.66	65.7	0.010	2	2.45	0.005	0.08	<0.1	13.6	0.20	0.07	60	0.1	0.03	6.6
1298853	Soil	10.1	21.8	0.32	70.7	0.015	1	1.24	0.002	0.06	0.1	3.5	0.13	<0.02	22	0.2	0.06	4.9
1298854	Soil	10.9	17.5	0.29	192.0	0.009	4	1.13	0.004	0.07	0.1	4.4	0.14	0.09	145	0.4	<0.02	3.2
1298855	Soil	8.8	14.4	0.10	112.6	0.003	2	0.62	0.002	0.09	<0.1	7.2	0.11	0.05	44	0.1	0.07	2.1
1298856	Soil	8.6	15.7	1.20	572.6	0.004	2	1.01	0.004	0.06	<0.1	3.7	0.27	0.06	339	0.4	0.02	2.8
1298857	Soil	12.3	19.8	0.25	185.2	0.013	2	1.10	0.004	0.05	0.1	3.5	0.15	0.08	75	0.4	0.02	3.6
1298858	Soil	25.1	16.8	0.25	91.6	0.006	3	0.84	0.003	0.07	0.1	6.6	0.31	0.06	218	0.5	0.09	2.5
1298859	Soil	15.4	21.0	0.24	106.3	0.009	2	1.10	0.003	0.05	0.1	5.3	0.19	0.06	140	0.3	<0.02	3.2
1298860	Soil	9.6	26.1	0.46	203.6	0.014	2	1.67	0.003	0.07	0.2	2.8	0.16	0.08	62	0.2	<0.02	5.2
1298861	Soil	14.3	21.3	0.36	180.4	0.006	2	1.33	0.005	0.07	<0.1	3.3	0.23	0.08	240	0.7	0.06	3.6
1298862	Soil	12.6	17.4	0.41	142.4	0.007	3	1.12	0.004	0.07	<0.1	3.7	0.23	0.06	240	0.8	0.06	2.6
1298863	Soil	14.4	21.5	0.31	199.0	0.008	3	1.39	0.005	0.06	0.1	4.0	0.26	0.09	182	0.4	<0.02	4.2

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Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1298864	Soil	0.81	29.68	34.97	116.3	300	23.4	12.8	540	3.01	14.7	1.3	1.3	0.9	70.1	0.48	2.11	0.21	30	1.87	0.095
1298865	Soil	0.95	29.44	40.81	161.6	232	25.9	14.6	945	3.70	17.8	0.7	1.2	2.0	19.2	0.35	2.17	0.20	40	2.02	0.071
1298866	Soil	0.84	38.89	36.05	140.8	320	29.9	14.8	580	3.29	16.5	2.3	1.0	1.3	64.8	0.44	1.53	0.22	33	1.63	0.100
1298867	Soil	0.84	46.98	38.06	146.8	336	33.2	16.9	517	3.78	22.4	1.0	1.5	1.5	83.3	0.41	2.80	0.23	32	2.21	0.105
1298868	Soil	0.93	29.74	42.35	168.9	299	25.6	12.6	569	2.81	28.1	3.6	1.0	0.6	102.3	0.32	3.41	0.19	31	2.78	0.136
1298869	Soil	0.92	46.98	30.91	162.8	168	37.0	18.6	493	3.76	16.2	0.8	2.0	2.3	60.3	0.44	1.08	0.22	26	1.24	0.095
1298870	Soil	0.75	36.88	29.72	129.9	162	27.5	16.1	472	3.48	18.7	1.2	1.4	1.3	65.5	0.25	1.41	0.36	26	1.89	0.093
1298871	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298872	Soil	1.04	35.91	49.44	172.9	309	22.3	12.7	643	2.44	71.9	2.5	1.3	0.9	162.7	0.97	10.76	0.21	24	4.69	0.203
1298873	Soil	0.80	28.86	56.20	142.1	193	21.9	11.2	575	2.45	65.2	1.5	1.0	0.7	87.5	0.67	6.61	0.21	31	2.79	0.120
1298874	Soil	1.24	22.82	29.80	120.7	134	23.3	11.5	790	3.46	15.1	2.3	0.7	1.9	50.5	0.58	0.87	0.18	32	1.96	0.146
1298875	Soil	0.91	24.29	20.97	113.6	157	20.8	9.4	588	2.44	10.6	1.5	1.4	1.2	186.6	0.53	0.88	0.24	25	6.40	0.139
1298876	Soil	1.08	30.58	21.53	110.4	171	25.9	13.5	678	2.90	12.6	1.4	5.4	1.4	122.9	0.42	0.64	0.42	30	2.46	0.164
1298877	Soil	0.87	39.42	19.88	102.8	205	26.4	11.8	545	2.75	10.8	1.2	3.0	1.2	131.9	0.38	0.75	0.31	32	3.83	0.154
1298878	Soil	1.12	29.35	21.61	117.8	194	24.8	11.7	964	3.14	11.7	1.2	2.3	1.2	73.7	0.51	0.69	0.30	36	2.99	0.119
1298879	Soil	1.12	20.38	22.35	108.0	94	25.8	10.3	417	3.46	12.7	1.0	2.8	3.1	24.2	0.30	0.66	0.25	39	0.81	0.061
1298880	Soil	<0.01	3.09	0.20	4.0	12	0.8	0.9	19	0.26	0.1	<0.1	0.3	<0.1	9.5	<0.01	<0.02	<0.02	8	0.10	0.026
1298881	Soil	0.79	23.12	12.35	84.6	20	35.2	10.7	293	2.94	5.6	0.6	1.1	2.9	8.2	0.09	0.42	0.18	33	0.11	0.057
1298882	Soil	0.28	40.38	14.94	92.5	45	39.8	11.5	361	2.67	3.8	2.3	1.5	3.4	19.7	0.18	0.27	0.26	22	0.58	0.068
1298883	Soil	0.87	26.99	14.32	79.8	42	31.4	9.8	397	2.62	6.4	1.1	2.2	5.0	17.1	0.24	0.57	0.17	38	0.34	0.082
1298884	Soil	0.61	28.99	16.30	86.9	71	33.7	11.2	365	2.70	4.7	1.4	1.9	3.9	17.0	0.15	0.41	0.20	33	0.36	0.077
1298885	Soil	0.51	71.78	12.48	90.0	54	28.8	12.4	737	2.65	2.3	1.4	1.5	2.7	18.9	0.27	0.28	0.19	27	0.65	0.136
1298886	Soil	0.70	27.06	20.50	80.4	53	27.4	10.3	420	2.55	3.9	1.8	3.0	2.3	22.3	0.19	0.40	0.17	30	0.59	0.119
1298887	Soil	0.46	20.96	9.36	87.7	41	29.0	10.0	372	2.59	2.9	1.1	3.7	3.0	14.7	0.18	0.36	0.13	29	0.30	0.081
1298888	Soil	0.41	41.29	12.45	91.5	42	28.0	10.3	397	2.49	2.6	1.7	2.6	2.7	26.0	0.21	0.26	0.15	31	0.77	0.092
1298889	Soil	0.44	36.87	15.81	93.0	74	32.2	11.7	383	2.76	9.2	1.8	14.2	3.2	21.9	0.28	0.27	0.17	32	0.68	0.073
1298890	Soil	0.85	35.68	158.4	345.2	366	25.4	10.4	750	2.64	13.7	3.3	4.2	1.7	29.4	1.17	0.59	0.16	30	0.99	0.103
1298891	Soil	1.05	24.45	16.75	90.7	261	29.7	9.2	255	2.37	7.5	4.0	4.1	3.0	26.3	0.24	0.48	0.17	28	0.53	0.063
1298892	Soil	1.29	26.12	61.30	213.6	223	30.2	9.9	494	2.85	10.2	3.6	2.9	3.3	19.9	0.62	0.65	0.13	31	0.32	0.085
1298893	Soil	0.94	22.39	21.21	141.1	156	26.1	7.9	243	2.54	8.3	2.9	1.5	2.1	29.2	0.31	0.46	0.15	34	0.64	0.115

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 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298864	Soil	11.7	18.5	0.33	144.8	0.008	3	1.10	0.005	0.06	<0.1	3.2	0.22	0.10	130	0.5	0.04	3.2
1298865	Soil	11.8	23.3	1.16	150.3	0.005	3	1.65	0.004	0.09	0.1	4.2	0.29	0.06	72	0.3	0.03	4.1
1298866	Soil	13.3	22.5	0.42	166.0	0.008	3	1.39	0.005	0.07	0.1	3.7	0.25	0.07	158	0.7	0.05	4.0
1298867	Soil	10.9	23.2	0.51	152.9	0.005	3	1.45	0.004	0.10	<0.1	4.9	0.31	0.06	241	0.5	0.03	3.7
1298868	Soil	9.1	21.4	0.35	187.0	0.005	3	1.36	0.005	0.08	<0.1	2.5	0.43	0.13	247	0.8	<0.02	3.7
1298869	Soil	10.5	19.2	0.46	84.3	0.005	3	1.05	0.002	0.08	<0.1	5.5	0.17	0.07	122	0.4	0.06	3.1
1298870	Soil	7.7	18.9	0.36	107.7	0.003	4	1.06	0.003	0.06	<0.1	3.8	0.16	0.06	146	0.4	<0.02	3.1
1298871	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298872	Soil	9.4	12.4	0.56	118.8	0.004	6	0.82	0.005	0.07	0.2	3.5	0.31	0.08	613	0.7	0.05	2.0
1298873	Soil	8.9	18.8	0.34	176.3	0.006	2	1.18	0.004	0.07	0.2	2.7	0.25	0.09	323	0.6	0.08	3.4
1298874	Soil	15.3	19.3	0.77	98.5	0.005	2	1.24	0.003	0.06	<0.1	4.6	0.10	0.05	80	0.4	<0.02	2.9
1298875	Soil	11.0	14.2	2.08	118.0	0.006	4	0.92	0.004	0.06	<0.1	3.2	0.10	0.04	112	0.6	<0.02	2.2
1298876	Soil	13.1	18.1	0.53	156.1	0.006	3	1.15	0.004	0.08	0.1	3.6	0.13	0.05	134	0.4	0.03	3.0
1298877	Soil	12.9	21.2	1.36	151.7	0.009	4	1.32	0.006	0.07	0.1	3.7	0.10	0.05	134	0.9	0.02	3.5
1298878	Soil	13.8	21.7	1.28	160.3	0.010	4	1.25	0.006	0.07	0.1	3.9	0.10	0.05	111	0.6	0.04	3.3
1298879	Soil	15.7	22.9	0.61	118.5	0.003	1	1.48	0.002	0.05	0.1	4.5	0.11	0.02	65	0.4	<0.02	3.5
1298880	Soil	1.1	1.1	0.02	13.3	0.013	<1	0.13	0.059	0.04	<0.1	0.2	<0.02	<0.02	6	<0.1	<0.02	0.5
1298881	Soil	15.4	34.3	0.83	104.1	0.006	2	2.06	0.003	0.07	0.1	2.4	0.15	<0.02	21	0.3	0.03	6.2
1298882	Soil	22.9	35.0	1.04	129.7	0.007	3	1.71	0.003	0.08	<0.1	4.8	0.08	0.04	24	0.3	0.02	5.1
1298883	Soil	24.1	32.7	0.94	158.5	0.021	2	1.67	0.005	0.07	0.2	4.7	0.10	<0.02	27	0.3	0.03	4.3
1298884	Soil	26.0	35.7	1.11	281.2	0.009	3	1.94	0.004	0.08	0.1	5.0	0.12	0.03	30	0.3	0.03	5.6
1298885	Soil	24.2	34.3	1.45	424.7	0.008	4	1.84	0.003	0.11	<0.1	5.8	0.10	0.09	35	0.7	0.03	4.8
1298886	Soil	22.9	35.6	1.23	627.8	0.008	3	1.82	0.003	0.09	<0.1	4.7	0.10	0.06	30	0.4	0.05	5.7
1298887	Soil	25.9	36.1	1.28	287.6	0.007	2	1.83	0.002	0.10	<0.1	4.1	0.11	0.02	21	0.3	0.03	5.2
1298888	Soil	26.2	39.4	1.75	179.9	0.008	4	2.02	0.003	0.09	<0.1	5.3	0.10	0.06	31	0.6	0.02	6.2
1298889	Soil	27.4	44.2	1.85	126.0	0.008	3	2.04	0.002	0.10	<0.1	7.4	0.12	0.04	41	0.6	<0.02	5.8
1298890	Soil	31.3	31.1	1.04	136.0	0.007	3	1.57	0.003	0.10	<0.1	4.4	0.13	0.06	195	0.7	<0.02	4.1
1298891	Soil	24.6	28.5	0.99	99.1	0.009	2	1.47	0.004	0.08	0.1	4.7	0.12	0.03	48	0.4	0.02	4.0
1298892	Soil	28.9	29.7	0.85	98.3	0.011	3	1.53	0.003	0.10	<0.1	5.1	0.14	<0.02	65	0.4	0.03	4.1
1298893	Soil	23.6	33.5	0.95	133.9	0.008	4	1.67	0.003	0.11	0.2	4.0	0.16	0.04	37	0.3	<0.02	4.7



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298894	Soil			1.06	25.39	28.21	89.5	182	31.7	11.0	523	3.09	9.3	1.1	1.4	3.9	16.1	0.15	0.59	0.20	33	0.21	0.077
1298895	Soil			1.28	16.14	24.49	74.7	71	22.9	8.0	734	2.82	7.9	0.9	0.8	1.2	13.0	0.13	0.54	0.18	40	0.21	0.082
1298896	Soil			1.07	18.98	27.77	76.3	79	21.1	6.9	269	2.82	7.5	0.7	1.5	3.0	12.8	0.06	0.54	0.24	36	0.23	0.041
1298897	Soil			0.90	17.90	23.40	101.4	158	24.5	7.8	710	2.59	8.5	1.1	2.5	2.2	16.4	0.21	0.53	0.16	39	0.54	0.113
1298898	Soil			0.84	14.10	26.36	112.7	155	20.8	8.3	865	2.26	7.7	1.3	2.3	1.4	21.0	0.37	0.47	0.13	35	2.95	0.112
1298899	Soil			1.01	16.23	37.68	117.5	159	21.1	8.1	1117	2.66	9.7	1.7	0.8	1.2	17.3	0.44	0.60	0.17	38	0.97	0.142
1298900	Soil			1.13	16.73	33.78	107.0	124	22.3	8.9	1793	2.64	9.1	1.4	0.9	2.2	17.8	0.55	0.57	0.14	31	2.40	0.081
1298901	Soil			1.33	17.57	37.20	107.6	187	28.6	10.2	987	3.04	10.4	1.5	1.8	2.0	18.0	0.34	0.66	0.18	48	0.48	0.128
1298902	Soil			1.30	18.77	54.84	128.0	197	29.0	10.2	1483	2.91	10.9	2.3	2.3	2.5	22.2	0.47	0.73	0.13	42	2.50	0.107
1298903	Soil			1.09	14.22	30.06	108.4	164	22.1	6.8	1309	2.12	8.8	1.8	1.1	2.3	31.4	0.43	0.64	0.08	36	5.38	0.127
1298904	Soil			1.21	17.00	36.97	135.7	120	26.7	9.2	2253	3.12	11.7	1.9	1.8	2.0	22.9	0.46	0.69	0.14	44	2.76	0.125
1298905	Soil			1.14	18.94	52.60	190.9	169	22.4	8.9	1422	2.70	10.5	1.7	0.8	0.9	21.2	0.81	0.70	0.16	41	1.91	0.140
1298906	Soil			1.24	19.47	55.59	163.1	193	25.9	10.4	1819	2.96	11.2	1.7	1.2	1.5	18.7	0.72	0.74	0.29	47	1.06	0.138
1298907	Soil			1.37	20.28	43.45	169.3	136	28.0	10.4	1448	3.09	11.5	1.8	2.7	1.9	17.0	0.38	0.77	0.22	53	0.59	0.141
1298908	Soil			1.40	22.87	24.33	107.3	202	32.0	10.3	1679	2.81	12.3	1.8	7.5	2.6	20.7	0.47	0.88	0.19	53	0.69	0.131
1298909	Soil			0.77	9.62	18.11	77.3	110	13.3	6.0	1530	1.78	6.7	1.3	2.2	0.6	26.6	0.29	0.40	0.11	32	4.30	0.106
1298910	Soil			1.53	18.14	47.10	184.1	165	27.6	10.4	2272	3.49	12.7	1.3	4.5	2.3	17.5	0.42	0.79	0.15	50	1.67	0.072
1298911	Soil			1.07	14.35	44.81	188.6	159	22.1	7.9	1794	2.67	10.4	1.0	2.3	2.2	25.4	0.58	0.62	0.09	38	4.19	0.093
1298912	Soil			1.10	11.87	25.13	93.1	112	18.5	7.9	1698	2.43	9.5	1.0	3.1	1.0	25.9	0.35	0.55	0.22	42	4.17	0.095
1298913	Soil			0.66	8.80	21.76	60.9	63	11.4	4.7	1386	1.56	5.7	0.7	2.2	1.0	31.3	0.33	0.29	0.13	21	7.31	0.070
1298914	Soil			1.12	12.67	25.02	118.2	131	19.5	7.7	1991	2.49	9.3	1.0	1.6	1.1	27.5	0.52	0.55	0.18	36	5.23	0.089
1298915	Soil			1.10	14.38	31.57	144.1	140	20.6	8.7	2010	2.61	10.5	1.0	1.9	1.2	20.8	0.68	0.58	0.22	35	3.16	0.103
1298916	Soil			0.54	7.46	16.70	44.0	79	9.4	3.3	905	1.29	5.0	0.9	0.9	0.8	32.8	0.24	0.23	0.11	18	8.33	0.091
1298917	Soil			0.78	9.20	19.40	106.3	109	16.3	6.4	1348	2.40	8.2	0.7	5.2	1.0	19.7	0.35	0.47	0.21	39	4.12	0.102
1298918	Soil			0.03	3.43	0.23	4.8	12	0.7	0.9	21	0.34	0.4	<0.1	<0.2	<0.1	10.0	<0.01	<0.02	0.02	11	0.11	0.023
1298919	Soil			1.16	29.29	23.54	117.3	128	31.5	14.4	396	3.58	8.4	1.7	2.7	4.5	19.4	0.22	0.34	0.31	23	0.46	0.099
1298920	Soil			0.93	28.37	26.72	123.6	140	32.7	12.0	461	3.51	9.5	1.4	3.5	4.0	19.9	0.30	0.43	0.31	27	0.35	0.094
1298921	Soil			0.95	32.16	28.77	104.2	151	27.6	14.9	665	4.27	9.3	1.3	1.2	3.1	16.1	0.17	0.40	0.33	34	0.28	0.096
1298922	Soil			1.04	24.02	19.01	108.8	58	28.0	12.8	388	3.86	7.9	0.7	1.2	3.6	15.4	0.15	0.28	0.30	28	0.34	0.058
1298923	Soil			0.65	37.35	22.84	91.8	105	31.8	21.7	496	4.54	6.2	1.1	2.4	2.7	23.6	0.09	0.32	0.32	35	0.30	0.073

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298894	Soil	14.5	21.4	0.32	163.3	0.011	2	1.19	0.005	0.07	0.2	4.1	0.14	0.02	55	0.3	0.04	3.4
1298895	Soil	11.2	26.0	0.38	125.2	0.010	1	1.50	0.004	0.07	0.1	2.3	0.18	0.03	37	0.4	0.03	4.1
1298896	Soil	10.4	23.3	0.39	151.9	0.010	1	1.24	0.005	0.07	0.2	3.2	0.17	0.05	21	0.4	0.05	3.8
1298897	Soil	16.9	24.6	0.45	143.1	0.015	2	1.33	0.006	0.06	0.3	3.1	0.16	0.05	59	0.4	0.05	3.9
1298898	Soil	12.5	22.8	1.73	114.8	0.016	3	1.27	0.009	0.06	0.2	2.6	0.14	0.06	36	0.3	<0.02	3.4
1298899	Soil	14.5	25.4	0.56	148.9	0.015	3	1.30	0.006	0.07	0.1	2.2	0.19	0.08	33	0.4	0.04	3.7
1298900	Soil	14.5	20.2	1.56	131.7	0.013	3	1.12	0.007	0.08	0.1	3.1	0.22	0.05	43	0.3	0.04	3.0
1298901	Soil	17.5	29.6	0.56	205.7	0.015	2	1.81	0.007	0.09	0.2	3.5	0.26	0.04	34	0.3	0.04	4.9
1298902	Soil	17.0	28.2	1.77	183.9	0.019	2	1.59	0.009	0.08	0.1	3.8	0.26	0.03	41	0.5	<0.02	3.9
1298903	Soil	15.9	20.2	3.22	119.8	0.020	1	1.21	0.011	0.05	0.2	3.2	0.16	0.02	50	0.1	<0.02	2.6
1298904	Soil	18.1	27.3	1.82	191.0	0.015	2	1.62	0.007	0.06	0.2	3.4	0.31	0.04	29	0.2	0.05	4.1
1298905	Soil	15.6	28.6	1.11	165.3	0.014	3	1.49	0.007	0.07	0.1	2.3	0.29	0.09	42	0.5	0.02	4.3
1298906	Soil	16.7	29.0	0.71	192.2	0.018	2	1.55	0.008	0.06	0.2	2.8	0.27	0.07	53	0.2	<0.02	4.4
1298907	Soil	19.3	30.8	0.59	187.1	0.016	1	1.83	0.006	0.07	0.3	3.4	0.30	0.05	34	0.5	0.05	5.5
1298908	Soil	23.5	31.3	0.63	193.9	0.024	2	1.69	0.009	0.07	0.4	4.1	0.22	0.03	74	0.4	0.06	4.7
1298909	Soil	10.7	17.0	2.47	99.0	0.014	1	1.17	0.006	0.04	0.1	1.7	0.13	0.04	32	0.2	0.03	3.1
1298910	Soil	18.3	28.0	1.27	177.7	0.019	2	1.67	0.007	0.06	0.3	3.8	0.51	0.03	49	0.4	<0.02	4.4
1298911	Soil	15.6	21.0	2.60	141.0	0.021	1	1.29	0.010	0.05	0.2	3.2	0.23	0.02	61	0.2	0.04	3.0
1298912	Soil	12.6	21.8	2.63	118.1	0.011	2	1.44	0.008	0.05	0.2	2.4	0.17	0.04	57	0.5	0.03	3.8
1298913	Soil	8.2	11.2	4.93	62.9	0.007	2	0.75	0.009	0.05	<0.1	2.0	0.14	0.04	23	0.5	<0.02	1.7
1298914	Soil	13.5	19.6	3.31	115.2	0.010	2	1.23	0.009	0.05	0.2	2.7	0.21	0.04	47	0.5	0.04	3.1
1298915	Soil	16.2	21.2	2.02	119.9	0.008	2	1.28	0.006	0.06	0.1	2.8	0.23	0.05	45	0.5	0.05	3.3
1298916	Soil	9.4	9.5	5.60	37.2	0.006	2	0.66	0.009	0.05	<0.1	1.8	0.09	0.05	30	0.5	0.02	1.4
1298917	Soil	12.2	21.1	2.54	85.0	0.011	2	1.40	0.008	0.05	0.2	2.2	0.15	0.05	40	0.5	0.04	3.6
1298918	Soil	0.9	1.2	0.03	12.7	0.015	<1	0.13	0.060	0.04	<0.1	0.2	<0.02	<0.02	<5	0.2	<0.02	0.7
1298919	Soil	7.3	22.1	0.59	121.3	0.002	3	1.50	0.002	0.11	<0.1	5.4	0.13	0.03	54	0.5	0.06	4.4
1298920	Soil	12.2	23.3	0.57	145.3	0.003	3	1.43	0.003	0.11	<0.1	4.8	0.15	0.03	59	0.5	0.05	4.2
1298921	Soil	10.7	26.8	0.49	180.4	0.003	3	1.59	0.002	0.12	<0.1	6.1	0.21	0.05	55	0.8	0.04	4.9
1298922	Soil	6.1	24.6	0.61	121.5	0.002	2	1.65	0.002	0.11	<0.1	4.8	0.15	0.03	23	0.3	0.05	5.1
1298923	Soil	6.8	32.0	0.63	125.4	0.003	3	2.01	0.002	0.11	<0.1	6.3	0.13	0.04	40	0.4	0.04	5.7

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.01	0.02	0.02	0.02	2	0.01	0.001
1298924	Soil	0.66	32.88	24.47	117.0	182	30.0	16.5	1253	3.38	11.7	1.0	2.1	1.2	424.2	0.47	0.68	0.26	27	3.79	0.141
1298925	Soil	0.80	31.66	33.01	180.4	159	25.7	11.7	450	3.17	8.9	1.4	2.1	1.3	60.6	0.35	0.48	0.26	27	1.33	0.084
1298926	Soil	0.80	35.25	44.17	156.5	210	27.3	11.8	588	3.15	9.9	1.5	2.2	1.1	48.1	0.35	0.56	0.28	28	1.57	0.101
1298927	Soil	1.03	26.00	25.53	94.8	88	25.5	10.2	346	3.27	7.0	1.4	1.0	2.2	16.6	0.12	0.34	0.24	32	0.31	0.126
1298928	Soil	0.82	28.53	24.97	100.7	159	25.3	10.1	365	3.67	9.0	1.7	1.3	2.4	20.3	0.13	0.40	0.28	34	0.39	0.093
1298929	Soil	0.84	56.61	38.24	141.4	174	44.3	25.4	902	4.63	26.8	1.0	1.9	5.4	31.1	0.27	0.79	0.33	35	0.71	0.088
1298930	Soil	0.85	37.59	23.27	131.3	261	36.7	14.3	663	3.47	17.6	1.2	3.1	2.5	34.5	0.40	0.84	0.27	40	0.70	0.064
1298931	Soil	1.19	21.76	21.46	102.3	133	25.9	12.3	573	3.10	11.8	1.2	2.9	1.7	34.2	0.15	0.64	0.28	40	0.61	0.078
1298932	Soil	0.75	28.72	23.12	143.0	149	23.6	10.8	390	3.05	10.5	1.1	2.0	1.4	55.3	0.33	0.48	0.25	27	1.24	0.096
1298933	Soil	0.92	31.89	38.87	222.3	171	26.8	13.2	846	3.22	15.4	1.3	4.1	1.9	49.6	0.60	0.73	0.23	25	3.48	0.090
1298934	Soil	0.77	25.55	32.55	246.2	201	24.9	10.9	630	3.16	26.5	1.3	1.5	1.7	46.6	0.45	0.99	0.27	32	2.65	0.109
1298935	Soil	0.62	24.47	31.69	137.6	201	21.7	10.3	522	2.60	12.3	2.5	2.1	0.8	57.2	0.47	0.79	0.24	30	1.89	0.125
1298936	Soil	1.04	31.83	37.12	146.8	335	26.6	12.5	592	2.90	14.6	1.6	2.0	1.3	85.6	0.44	0.89	0.24	32	3.32	0.153
1298937	Soil	1.04	28.61	39.97	205.8	395	25.0	11.5	578	2.88	20.7	1.9	3.6	0.9	43.0	0.41	1.89	0.25	36	1.46	0.176
1298938	Soil	1.02	27.28	53.09	418.0	391	23.8	11.9	594	3.06	36.1	3.3	1.2	1.0	71.6	0.81	3.41	0.25	31	2.01	0.139
1298939	Soil	0.61	25.61	27.64	143.8	92	19.9	10.1	520	2.49	7.7	0.7	1.1	2.8	154.5	0.45	0.38	0.16	19	8.40	0.058
1298940	Soil	1.01	36.72	58.60	207.0	317	25.6	12.9	676	3.04	19.5	1.0	1.8	1.2	27.7	0.38	1.46	0.23	27	1.88	0.109
1298941	Soil	0.67	19.48	35.48	95.0	185	17.4	10.0	795	2.48	12.7	0.9	1.0	1.2	79.9	0.35	1.23	0.17	23	6.16	0.092
1298942	Soil	0.78	16.89	27.36	103.1	97	19.5	9.6	565	2.77	12.6	0.7	0.8	1.6	40.5	0.22	1.15	0.22	34	2.80	0.066
1298943	Soil	0.89	15.11	47.39	159.7	153	16.2	9.2	624	3.36	17.9	0.7	1.0	1.8	18.6	0.26	0.66	0.26	43	1.44	0.111
1298944	Soil	0.91	19.23	56.87	305.2	163	18.4	10.7	1788	4.29	25.0	0.8	1.8	1.2	30.5	1.63	3.40	0.19	26	3.86	0.065
1298945	Soil	0.76	16.38	35.09	50.9	284	11.0	7.6	1212	2.77	13.6	0.5	0.5	0.9	32.3	0.33	1.81	0.10	13	7.19	0.030
1298946	Soil	0.53	13.90	24.49	55.9	106	12.6	7.6	969	2.47	14.7	0.5	2.2	1.3	35.4	0.25	1.93	0.12	19	5.68	0.042
1298947	Soil	1.05	19.71	26.96	121.3	198	22.8	12.3	1897	4.15	16.1	1.4	1.5	1.7	20.2	0.35	1.03	0.24	38	1.38	0.062
1298948	Soil	1.45	24.40	48.86	155.4	161	21.7	16.1	3045	6.07	23.4	1.0	1.8	3.0	16.1	0.59	1.67	0.26	33	2.47	0.081
1298949	Soil	0.96	26.06	36.76	116.1	205	23.6	13.5	3350	6.69	23.7	0.9	2.5	2.1	23.7	0.40	2.69	0.18	28	7.57	0.040
1298950	Soil	1.10	20.21	35.93	209.5	146	20.9	12.9	1581	4.56	16.4	1.5	1.6	1.4	16.8	1.32	1.97	0.24	37	0.86	0.089
1298951	Soil	0.99	19.07	31.72	103.6	120	24.2	12.3	883	3.60	15.7	1.1	1.0	2.4	27.0	0.20	0.98	0.27	46	0.81	0.062
1298952	Soil	1.28	26.25	127.3	380.8	240	23.6	13.1	2574	6.86	17.2	1.3	1.8	1.8	22.2	6.29	2.93	0.23	35	1.02	0.087
1298953	Soil	1.01	19.54	33.57	177.0	140	21.2	12.5	1447	4.60	12.5	1.1	1.6	1.8	13.7	1.25	1.11	0.25	38	0.59	0.079

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1
1298924	Soil	19.1	19.3	0.23	168.7	0.002	5	0.99	0.004	0.11	<0.1	5.7	0.16	0.07	113	0.7	0.05	2.7
1298925	Soil	8.6	21.8	0.41	137.3	0.003	3	1.33	0.003	0.11	<0.1	3.7	0.16	0.08	109	0.6	0.04	4.0
1298926	Soil	10.4	22.4	0.44	150.1	0.005	5	1.31	0.004	0.11	<0.1	4.0	0.18	0.09	119	1.2	0.05	4.0
1298927	Soil	9.8	24.2	0.56	124.1	0.002	2	1.43	0.002	0.09	<0.1	4.5	0.15	0.06	38	0.5	0.04	4.1
1298928	Soil	11.9	25.7	0.44	180.6	0.002	2	1.71	0.001	0.10	<0.1	5.7	0.20	0.04	64	0.6	0.05	4.9
1298929	Soil	13.4	28.2	0.52	160.5	0.004	3	1.39	0.003	0.12	<0.1	8.8	0.35	<0.02	370	0.7	0.04	4.2
1298930	Soil	14.4	28.3	0.52	161.2	0.011	3	1.47	0.006	0.10	0.1	5.7	0.25	0.03	266	0.6	0.05	4.6
1298931	Soil	11.0	28.0	0.50	173.9	0.006	2	1.65	0.004	0.08	0.2	3.7	0.21	0.05	64	0.6	0.05	5.0
1298932	Soil	8.1	21.6	0.43	135.1	0.003	4	1.31	0.003	0.10	<0.1	3.7	0.20	0.09	142	0.8	0.03	3.8
1298933	Soil	10.7	19.0	1.86	111.8	0.003	3	1.15	0.004	0.12	<0.1	4.8	0.24	0.05	145	0.7	0.02	3.1
1298934	Soil	10.8	22.4	1.31	156.7	0.004	3	1.40	0.004	0.12	<0.1	4.5	0.46	0.05	160	0.6	0.02	4.1
1298935	Soil	10.4	22.8	0.42	167.7	0.004	3	1.45	0.005	0.08	<0.1	2.4	0.25	0.11	140	1.0	0.03	4.1
1298936	Soil	13.2	21.0	1.18	145.8	0.004	3	1.39	0.005	0.11	<0.1	3.9	0.22	0.06	132	0.7	0.04	3.8
1298937	Soil	12.4	22.5	0.38	159.4	0.005	3	1.45	0.005	0.09	0.1	2.8	0.28	0.09	162	0.7	0.05	4.1
1298938	Soil	10.5	20.6	0.34	171.2	0.002	3	1.35	0.003	0.12	<0.1	3.5	0.63	0.09	273	0.8	0.03	3.9
1298939	Soil	7.1	13.9	2.30	64.5	0.003	3	0.96	0.005	0.13	<0.1	4.1	0.18	0.04	45	0.6	0.03	2.4
1298940	Soil	10.4	17.0	0.66	122.6	0.002	4	1.07	0.003	0.12	<0.1	3.9	0.63	0.07	160	0.9	0.04	3.0
1298941	Soil	8.5	14.9	2.44	89.1	0.004	3	0.99	0.006	0.10	<0.1	3.0	0.20	0.05	109	0.5	0.02	2.5
1298942	Soil	10.5	21.9	1.59	130.9	0.005	2	1.44	0.005	0.10	0.1	3.6	0.21	0.04	72	0.4	0.04	4.1
1298943	Soil	9.5	20.4	0.53	146.4	0.004	2	1.43	0.003	0.07	0.1	4.2	0.27	0.05	78	0.4	0.04	4.1
1298944	Soil	8.3	13.2	2.02	128.2	0.004	3	0.79	0.008	0.06	0.1	4.1	0.37	0.06	332	0.6	0.03	2.1
1298945	Soil	4.5	6.2	4.66	55.7	0.002	2	0.30	0.011	0.04	<0.1	3.4	0.34	0.04	99	0.5	<0.02	0.9
1298946	Soil	5.8	9.4	3.47	66.4	0.005	2	0.62	0.010	0.05	<0.1	3.6	0.29	0.04	115	0.5	0.03	1.5
1298947	Soil	12.7	23.2	0.75	170.8	0.009	1	1.36	0.005	0.06	0.2	4.9	0.31	0.04	102	0.6	0.02	3.9
1298948	Soil	13.6	15.4	1.45	173.4	0.005	3	1.10	0.003	0.06	<0.1	6.9	0.37	0.04	65	0.3	0.03	2.2
1298949	Soil	8.9	11.3	4.08	135.6	0.005	4	0.58	0.007	0.05	<0.1	6.7	0.46	0.04	324	0.4	<0.02	1.4
1298950	Soil	10.9	21.1	0.43	124.0	0.010	3	1.26	0.003	0.07	0.1	3.9	0.27	0.07	130	0.4	0.05	3.4
1298951	Soil	12.0	26.6	0.47	196.9	0.009	3	1.69	0.003	0.06	0.1	4.0	0.21	0.03	57	0.2	0.02	4.8
1298952	Soil	11.5	17.3	0.34	157.9	0.009	4	1.02	0.003	0.05	0.1	4.9	0.43	0.07	250	0.7	0.04	2.5
1298953	Soil	11.4	22.2	0.40	145.3	0.011	3	1.29	0.003	0.06	0.1	4.3	0.23	0.05	96	0.3	0.02	3.6

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298954	Soil	0.73	28.47	37.07	80.8	148	22.4	12.6	1541	4.52	10.3	0.9	1.2	2.7	51.0	0.39	1.00	0.17	24	7.31	0.058	
1298955	Soil	1.20	36.69	47.62	78.0	175	27.9	13.6	1389	4.69	16.2	0.7	1.9	3.7	29.9	0.37	0.93	0.19	28	3.62	0.066	
1298956	Soil	1.24	37.56	38.24	208.2	121	21.6	11.5	622	3.00	15.7	0.7	1.2	2.6	68.2	1.14	0.91	0.16	19	7.65	0.083	
1298957	Soil	0.83	20.18	50.68	222.2	202	18.1	10.0	1139	4.18	15.0	0.6	1.2	1.3	21.1	1.56	1.93	0.15	23	4.06	0.065	
1298958	Soil	0.02	3.22	0.30	3.3	10	0.8	0.8	18	0.25	0.4	<0.1	<0.2	<0.1	9.2	<0.01	<0.02	<0.02	8	0.11	0.023	
1303176	Soil	4.46	107.6	31.21	264.7	137	14.9	18.2	530	35.43	12.2	3.0	0.2	10.2	16.1	0.14	0.61	0.06	20	1.26	0.086	
1303177	Soil	0.79	29.29	78.98	292.2	524	38.1	20.2	1757	4.19	8.2	1.4	0.9	3.3	24.7	1.45	0.87	0.25	16	4.25	0.099	
1303178	Soil	0.46	12.00	57.02	21.9	257	4.2	2.0	56	3.56	5.7	0.3	1.0	11.1	39.3	0.04	0.17	0.48	10	0.09	0.038	
1303179	Soil	0.67	41.79	24.24	130.0	193	34.4	13.3	571	4.16	16.2	1.4	4.8	2.5	80.2	0.47	0.49	0.19	42	1.05	0.086	
1303180	Soil	2.59	11.61	1273	7347	440	8.1	4.6	1182	8.19	15.6	1.9	0.6	1.1	34.8	4.93	4.18	0.04	15	12.06	0.078	
1303257	Soil	0.33	35.91	15.06	89.5	77	35.4	13.7	499	2.62	4.3	1.4	1.5	3.1	23.8	0.14	0.22	0.26	20	0.67	0.131	
1303258	Soil	0.81	30.30	44.28	122.7	73	33.9	25.9	1099	3.94	11.3	1.2	0.8	2.6	53.0	0.20	0.49	0.30	23	0.20	0.211	
1303259	Soil	0.86	34.40	48.56	147.0	68	36.5	18.8	687	3.91	14.1	1.1	0.9	2.3	28.5	0.22	0.54	0.33	20	0.14	0.120	
1303260	Soil	1.04	22.87	28.62	94.2	71	24.7	10.6	305	3.01	9.5	1.1	1.0	2.3	18.4	0.11	0.30	0.29	18	0.19	0.136	
1303261	Soil	2.85	36.20	22.23	90.3	112	30.2	15.6	1235	4.35	12.6	1.0	0.7	1.5	13.8	0.17	0.63	0.34	37	0.13	0.123	
1303262	Soil	1.46	30.50	26.16	70.6	56	21.6	16.5	956	4.29	7.6	0.7	2.6	4.2	8.2	0.16	0.66	0.40	42	0.04	0.074	
1303263	Soil	3.13	57.75	23.85	62.8	167	47.0	21.4	2507	4.88	17.0	1.6	8.2	2.1	19.7	0.17	0.65	0.41	35	0.55	0.097	
1303264	Soil	1.11	36.01	26.11	93.8	43	34.7	18.6	388	3.97	9.2	0.5	0.6	1.5	7.1	0.19	0.60	0.29	44	0.04	0.058	
1303265	Soil	1.34	31.92	15.68	67.3	37	34.0	16.8	289	4.09	12.0	0.5	1.9	3.3	6.3	0.10	0.68	0.24	58	0.04	0.034	
1303266	Soil	1.81	34.01	19.63	114.5	48	29.0	12.1	305	3.38	11.7	0.8	2.2	1.1	8.7	0.21	0.90	0.30	46	0.07	0.057	
1303267	Soil	1.90	21.27	17.11	59.8	65	20.1	9.3	329	3.46	9.9	0.7	1.5	0.8	8.1	0.09	0.84	0.35	62	0.06	0.055	
1303268	Soil	1.30	35.53	12.83	56.2	28	20.5	19.8	1079	3.44	7.5	0.4	1.0	3.4	8.7	0.08	0.48	0.32	46	0.02	0.032	
1303269	Soil	1.32	40.92	22.32	72.8	41	25.4	12.1	241	4.05	12.4	0.5	1.5	2.9	9.6	0.15	0.72	0.26	40	0.05	0.028	
1303270	Soil	1.20	65.17	22.25	80.2	59	24.2	11.9	224	4.97	7.2	0.6	1.6	2.6	8.9	0.10	0.57	0.25	42	0.04	0.046	
1303271	Soil	1.13	60.29	24.86	83.2	76	30.9	27.4	507	4.79	9.8	0.5	2.5	3.2	9.9	0.10	0.53	0.30	44	0.04	0.040	
1303272	Soil	1.68	32.69	20.46	79.5	49	26.5	17.2	584	3.98	9.0	0.8	1.0	1.2	7.6	0.14	0.80	0.29	47	0.05	0.051	
1303273	Soil	1.40	41.45	16.22	72.6	41	27.5	15.1	394	4.21	12.1	0.6	1.2	0.7	8.4	0.11	0.80	0.25	41	0.04	0.050	
1303274	Soil	1.22	50.70	25.70	85.1	52	31.1	23.8	450	3.94	11.4	0.9	2.4	3.0	10.7	0.17	0.77	0.25	41	0.06	0.033	
1303275	Soil	1.88	31.92	20.85	85.3	138	25.9	27.5	939	3.83	10.5	1.0	2.3	0.8	9.2	0.25	1.00	0.28	49	0.07	0.058	
1303276	Soil	1.33	45.94	28.18	94.4	152	21.8	18.9	1043	5.39	8.8	0.7	1.8	1.0	7.5	0.22	0.71	0.34	49	0.05	0.100	

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298954	Soil	8.0	12.6	3.72	95.1	0.004	4	0.82	0.007	0.07	<0.1	5.1	0.17	0.04	112	0.3	<0.02	1.9
1298955	Soil	12.4	14.8	2.13	101.4	0.007	4	0.85	0.006	0.07	<0.1	5.8	0.30	0.03	141	0.4	0.02	2.2
1298956	Soil	9.8	8.9	3.51	58.0	0.002	4	0.48	0.006	0.07	<0.1	5.4	0.25	0.03	179	0.4	<0.02	1.3
1298957	Soil	7.8	12.4	2.17	97.9	0.005	5	0.67	0.005	0.05	<0.1	3.9	0.22	0.06	137	0.4	<0.02	1.6
1298958	Soil	1.0	0.8	0.03	13.2	0.012	<1	0.12	0.063	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.5
1303176	Soil	1.4	62.0	0.62	8.0	<0.001	3	0.96	0.002	0.03	<0.1	6.2	1.04	1.80	174	0.2	<0.02	2.7
1303177	Soil	5.9	10.9	2.34	78.7	0.003	5	0.74	0.005	0.12	<0.1	3.4	0.37	0.13	97	0.3	0.05	1.4
1303178	Soil	5.7	8.9	0.05	131.5	0.002	6	0.17	0.013	0.63	<0.1	1.8	0.68	1.20	79	0.2	0.03	1.8
1303179	Soil	21.6	49.7	0.41	110.5	0.006	4	1.09	0.006	0.06	<0.1	7.5	0.20	0.07	682	1.1	<0.02	2.6
1303180	Soil	3.5	7.1	6.49	25.0	0.010	2	0.28	0.007	0.03	<0.1	1.2	4.19	0.03	7545	0.6	<0.02	1.4
1303257	Soil	14.2	31.2	0.89	110.5	0.004	4	1.79	0.002	0.13	<0.1	4.0	0.11	0.06	52	0.2	<0.02	5.1
1303258	Soil	8.6	22.7	0.42	96.0	0.004	3	1.45	0.003	0.15	<0.1	2.4	0.15	0.09	32	0.2	0.03	4.0
1303259	Soil	8.1	18.0	0.32	102.3	0.003	3	1.13	0.002	0.12	<0.1	3.2	0.15	0.08	54	0.3	0.04	3.1
1303260	Soil	5.9	17.6	0.32	93.9	0.002	3	1.18	0.003	0.11	<0.1	2.9	0.13	0.08	32	0.2	0.04	3.3
1303261	Soil	5.9	23.1	0.28	130.3	0.004	3	1.41	0.001	0.09	<0.1	2.9	0.20	0.05	33	0.4	0.06	4.3
1303262	Soil	8.4	26.0	0.30	57.0	0.010	2	1.78	<0.001	0.07	0.1	2.9	0.13	0.02	44	0.4	0.04	5.5
1303263	Soil	8.2	17.8	0.33	99.0	0.003	3	1.01	0.001	0.10	<0.1	6.6	0.18	0.05	73	0.6	0.06	2.9
1303264	Soil	14.5	29.2	0.46	56.7	0.009	3	1.44	<0.001	0.08	<0.1	3.6	0.14	0.02	36	0.3	0.06	4.4
1303265	Soil	11.7	32.6	0.37	64.1	0.008	2	1.66	<0.001	0.05	0.1	4.9	0.17	<0.02	27	0.4	0.03	4.8
1303266	Soil	13.1	27.2	0.38	82.8	0.015	3	1.44	0.002	0.05	0.2	3.2	0.26	0.02	48	0.5	0.03	4.7
1303267	Soil	11.2	28.1	0.32	69.7	0.022	2	1.64	<0.001	0.07	0.2	2.4	0.24	0.04	42	0.5	0.05	7.7
1303268	Soil	9.0	19.7	0.15	72.7	0.007	2	1.09	<0.001	0.07	<0.1	4.2	0.17	<0.02	40	0.3	0.06	5.2
1303269	Soil	6.7	26.8	0.34	51.9	0.017	2	1.48	0.001	0.05	0.1	4.7	0.20	<0.02	29	0.3	0.04	4.1
1303270	Soil	6.4	27.1	0.33	38.6	0.016	2	1.49	0.002	0.06	<0.1	5.3	0.13	0.02	17	0.4	0.03	4.9
1303271	Soil	6.2	30.5	0.39	60.4	0.010	2	1.56	0.002	0.08	<0.1	8.2	0.14	<0.02	41	0.4	0.05	5.3
1303272	Soil	9.5	29.4	0.38	62.4	0.018	2	1.55	0.001	0.07	0.1	3.7	0.13	0.03	48	0.4	0.03	5.2
1303273	Soil	5.9	25.4	0.22	40.9	0.013	2	1.17	<0.001	0.05	0.1	3.1	0.11	0.04	51	0.3	0.05	4.3
1303274	Soil	10.5	27.9	0.40	96.7	0.029	2	1.24	0.002	0.06	0.1	6.4	0.15	<0.02	37	0.3	0.02	4.0
1303275	Soil	13.1	32.0	0.39	88.4	0.028	2	1.89	0.001	0.07	0.2	2.8	0.14	0.04	79	0.5	0.07	5.4
1303276	Soil	5.6	34.9	0.32	51.0	0.012	2	1.82	<0.001	0.08	<0.1	3.5	0.11	0.05	79	0.5	0.05	6.1

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303277	Soil			1.46	37.17	26.71	101.6	276	27.8	19.8	777	4.75	9.5	0.6	4.6	1.7	7.6	0.33	0.72	0.37	43	0.06	0.060
1303278	Soil			0.91	26.23	17.63	77.8	119	19.3	8.4	300	2.31	7.2	0.9	2.1	0.4	100.2	0.33	0.57	0.34	25	1.37	0.109
1303279	Soil			1.23	31.37	25.39	120.4	230	25.7	11.4	444	2.91	11.4	0.8	2.4	1.2	86.4	0.57	0.91	0.25	37	1.13	0.094
1303280	Soil			1.21	27.26	51.91	237.6	207	22.7	11.5	703	3.16	14.4	1.0	1.5	0.8	86.5	1.01	1.25	0.22	33	1.08	0.106
1303281	Soil			1.04	30.99	14.78	98.4	203	26.8	9.0	239	2.53	8.6	0.7	10.7	2.6	63.0	0.44	0.78	0.14	38	0.75	0.100
1303282	Soil			1.32	20.40	13.11	77.5	75	23.8	9.0	311	2.53	8.1	0.7	2.2	0.5	33.8	0.21	0.72	0.19	45	0.34	0.074
1303283	Soil			1.22	19.86	26.25	121.5	204	22.3	10.1	621	2.80	11.7	0.8	1.4	0.7	54.8	0.89	0.73	0.22	45	1.56	0.093
1303284	Soil			1.29	29.98	23.21	97.6	199	28.0	12.9	492	2.90	15.8	0.7	2.4	1.6	93.8	0.45	0.88	0.18	38	3.75	0.089
1303285	Soil			1.25	33.11	25.12	104.1	228	31.0	13.1	485	2.99	15.0	0.7	2.5	2.3	60.7	0.44	0.89	0.16	42	1.63	0.074
1303286	Soil			1.08	29.79	36.25	126.4	274	27.9	12.6	502	2.89	17.4	0.5	1.3	0.8	89.9	0.58	0.96	0.17	34	2.92	0.068
1303287	Soil			0.90	60.55	44.78	130.6	236	43.2	25.4	748	4.18	22.5	0.6	1.2	3.8	39.6	0.43	0.94	0.28	20	0.99	0.076
1303288	Soil			0.78	40.73	39.85	126.8	357	31.6	15.9	538	3.14	19.6	0.7	2.7	2.0	169.9	0.51	2.07	0.21	28	5.38	0.080
1303289	Soil			0.72	38.87	31.69	115.7	306	29.2	14.8	464	3.11	22.5	0.6	1.2	2.1	66.3	0.35	1.98	0.21	26	1.84	0.079
1303290	Soil			1.21	27.86	89.50	247.2	347	26.7	15.0	1471	3.65	29.2	0.7	2.3	0.7	40.5	2.03	3.24	0.19	42	2.92	0.101
1303291	Soil			0.84	32.79	33.11	174.1	298	30.8	14.7	649	3.05	20.0	1.3	2.6	1.5	55.2	0.59	1.89	0.16	39	1.50	0.141
1303292	Soil			0.70	28.65	21.50	126.8	225	25.6	13.1	526	2.60	12.1	1.1	2.0	1.5	48.6	0.39	1.09	0.14	33	1.68	0.106
1303293	Soil			0.76	27.90	23.64	133.8	209	26.8	12.2	600	2.74	12.6	0.9	2.7	1.6	53.4	0.63	0.96	0.15	34	3.02	0.103
1303294	Soil			0.69	29.00	21.18	347.8	207	23.8	12.1	615	2.65	11.2	0.9	2.5	1.3	62.9	1.88	0.95	0.15	33	2.15	0.098
1303295	Soil			0.84	30.97	22.54	124.4	193	26.8	12.5	642	2.88	11.4	1.5	1.5	1.1	44.8	0.34	0.93	0.16	36	1.28	0.100
1303296	Soil			0.73	18.56	19.87	171.6	149	25.0	12.3	411	2.91	11.4	0.9	3.9	1.6	30.0	0.54	0.69	0.16	36	0.79	0.101
1303297	Soil			0.73	24.51	34.47	131.8	184	25.7	14.9	815	3.15	14.4	0.8	0.2	2.4	73.1	0.58	1.25	0.27	27	3.72	0.129
1303298	Soil			0.61	17.21	26.95	120.7	165	16.8	9.6	541	2.25	11.2	0.8	1.7	1.1	88.3	0.47	1.03	0.14	24	6.90	0.128
1303299	Soil			1.38	26.16	29.36	102.8	136	25.2	15.9	834	4.09	14.8	1.4	1.2	4.0	47.0	0.43	0.78	0.21	47	2.06	0.106
1303300	Soil			0.02	3.10	0.25	4.0	13	0.8	1.0	21	0.28	0.2	<0.1	<0.2	<0.1	9.6	<0.01	0.08	<0.02	10	0.10	0.022
1303301	Soil			1.77	62.30	45.45	136.8	212	48.9	87.1	2754	5.15	16.9	2.5	2.0	5.0	64.6	0.14	0.73	0.21	26	0.39	0.360
1303302	Soil			0.80	48.01	24.22	64.3	160	38.8	39.1	996	3.50	8.2	1.3	1.3	6.9	21.7	0.04	0.32	0.23	17	0.13	0.131
1303303	Soil			1.06	32.82	43.92	116.9	132	35.7	21.8	1131	4.18	12.4	1.2	0.9	3.0	31.1	0.12	0.32	0.28	16	0.54	0.175
1303304	Soil			1.17	24.23	21.63	90.7	104	28.7	10.5	442	3.06	10.2	1.2	1.4	1.8	19.6	0.15	0.45	0.23	30	0.47	0.119
1303305	Soil			1.83	23.00	16.29	77.2	49	26.6	11.8	440	3.19	10.0	1.0	1.8	0.4	12.2	0.18	0.66	0.21	48	0.19	0.069
1303306	Soil			3.05	54.92	22.66	71.0	164	44.1	20.7	2576	4.39	17.0	1.6	3.4	2.7	19.2	0.25	0.76	0.27	47	0.45	0.061



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303277	Soil	8.2	32.2	0.35	73.5	0.020	2	1.82	<0.001	0.07	0.2	4.2	0.12	0.04	97	0.3	0.03	5.4
1303278	Soil	8.4	18.0	0.25	104.9	0.007	3	1.00	0.002	0.04	<0.1	2.2	0.07	0.09	84	0.3	0.03	2.8
1303279	Soil	14.4	24.3	0.42	151.8	0.017	3	1.32	0.005	0.07	0.2	3.9	0.10	0.05	70	0.4	<0.02	3.7
1303280	Soil	13.5	22.5	0.29	139.1	0.012	2	1.34	0.002	0.05	0.1	3.1	0.12	0.06	80	0.3	0.05	3.1
1303281	Soil	14.5	26.1	0.46	137.8	0.028	2	1.27	0.009	0.05	0.2	4.2	0.08	0.02	75	0.4	0.03	3.9
1303282	Soil	12.0	27.9	0.45	134.5	0.016	1	1.56	0.003	0.05	0.2	2.0	0.14	0.03	41	0.2	<0.02	5.0
1303283	Soil	14.4	26.5	0.36	184.1	0.013	2	1.57	0.003	0.06	0.2	2.6	0.16	0.06	77	0.4	0.03	4.8
1303284	Soil	15.7	21.8	0.37	139.9	0.017	3	1.24	0.007	0.09	0.2	4.3	0.17	0.05	112	0.4	0.02	3.1
1303285	Soil	17.2	25.1	0.41	152.9	0.020	2	1.34	0.007	0.06	0.2	5.0	0.15	0.04	144	0.5	0.05	3.9
1303286	Soil	14.1	18.3	0.32	137.6	0.010	4	1.07	0.005	0.06	0.1	3.1	0.16	0.07	120	0.5	0.04	2.9
1303287	Soil	23.7	12.8	0.28	88.6	0.008	3	0.55	0.004	0.09	<0.1	6.8	0.61	0.02	205	0.5	0.10	1.8
1303288	Soil	14.7	17.4	0.48	114.2	0.014	3	0.88	0.005	0.08	0.1	4.9	0.33	0.04	207	0.5	0.02	2.5
1303289	Soil	15.8	17.2	0.24	99.7	0.009	3	0.75	0.004	0.09	<0.1	5.1	0.54	0.04	243	0.5	0.03	2.3
1303290	Soil	14.5	23.6	1.19	155.9	0.010	4	1.30	0.004	0.07	0.1	3.4	0.39	0.08	289	0.6	0.04	3.3
1303291	Soil	13.8	24.1	0.48	178.0	0.012	4	1.44	0.005	0.08	0.2	4.3	0.31	0.06	217	0.6	0.05	4.3
1303292	Soil	10.0	21.6	0.61	163.8	0.007	3	1.31	0.004	0.07	0.1	3.5	0.23	0.05	176	0.4	0.04	3.7
1303293	Soil	10.9	22.7	1.40	168.5	0.007	3	1.35	0.005	0.08	0.1	3.9	0.19	0.04	160	0.4	<0.02	3.7
1303294	Soil	10.3	20.7	0.67	160.1	0.007	4	1.32	0.004	0.08	0.1	3.3	0.17	0.06	379	0.4	0.04	3.7
1303295	Soil	11.4	23.5	0.44	184.7	0.007	4	1.43	0.004	0.08	0.1	3.4	0.19	0.07	156	0.5	0.03	4.4
1303296	Soil	9.6	23.3	0.47	142.1	0.008	3	1.43	0.003	0.09	0.1	3.4	0.15	0.05	108	0.2	0.04	4.3
1303297	Soil	9.3	17.6	1.36	108.7	0.004	3	1.07	0.004	0.07	<0.1	5.2	0.14	0.03	107	0.4	<0.02	2.9
1303298	Soil	8.8	13.7	3.03	89.5	0.008	4	0.80	0.008	0.05	0.1	3.3	0.13	0.03	93	0.2	0.04	2.1
1303299	Soil	16.2	25.5	1.14	156.5	0.005	2	1.85	0.001	0.07	<0.1	7.1	0.18	0.03	128	0.4	0.03	4.2
1303300	Soil	0.9	1.3	0.03	13.3	0.014	<1	0.13	0.064	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6
1303301	Soil	13.2	26.2	0.56	108.5	0.010	6	1.71	0.010	0.20	<0.1	5.4	0.35	0.09	70	0.9	0.04	4.8
1303302	Soil	5.7	28.5	0.59	67.4	0.006	4	1.60	0.004	0.16	<0.1	4.8	0.16	0.05	26	0.2	0.05	4.9
1303303	Soil	8.0	20.2	0.27	91.3	0.002	4	1.13	0.003	0.14	<0.1	4.5	0.20	0.10	76	0.5	0.04	3.5
1303304	Soil	9.4	25.0	0.39	139.9	0.005	3	1.44	0.002	0.09	0.1	3.3	0.18	0.05	42	0.3	0.05	4.7
1303305	Soil	12.8	29.5	0.51	137.6	0.012	2	1.81	0.002	0.07	0.1	1.5	0.18	0.04	28	0.3	0.06	6.6
1303306	Soil	11.6	24.2	0.49	153.6	0.009	3	1.20	0.002	0.08	0.1	6.8	0.23	0.03	54	0.5	0.08	3.9



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303307	Soil	1.72	31.95	19.89	75.7	32	29.1	21.1	665	3.47	8.9	0.8	1.7	1.0	9.8	0.09	0.61	0.17	36	0.10	0.060
1303308	Soil	1.49	23.94	16.23	80.1	45	30.3	12.6	520	3.28	11.0	0.9	2.4	0.8	11.8	0.19	0.70	0.22	48	0.23	0.064
1303309	Soil	1.57	16.07	16.57	83.6	60	20.8	8.5	340	3.33	11.6	1.0	1.2	0.3	9.2	0.13	0.64	0.22	52	0.08	0.094
1303310	Soil	1.99	21.94	20.22	83.7	35	27.7	12.3	348	3.52	11.2	0.7	1.1	2.1	10.5	0.22	0.93	0.21	60	0.09	0.042
1303311	Soil	1.27	36.01	20.96	105.7	126	34.2	16.6	867	3.83	9.5	1.0	2.0	0.7	11.8	0.38	0.58	0.22	42	0.14	0.119
1303312	Soil	1.41	34.74	17.86	90.2	90	32.4	14.6	437	3.29	9.6	0.9	8.8	1.9	13.7	0.23	0.72	0.17	41	0.19	0.080
1303313	Soil	1.16	33.32	18.79	89.3	31	32.3	17.3	678	3.45	9.0	0.7	3.4	2.6	14.9	0.31	0.58	0.27	46	0.17	0.083
1303314	Soil	1.02	34.45	23.87	82.8	81	32.5	15.3	510	3.70	10.0	0.8	2.4	2.5	20.4	0.30	0.61	0.31	46	0.12	0.086
1303315	Soil	1.10	33.14	22.11	126.9	126	37.3	15.4	735	3.46	9.9	1.1	2.7	2.5	43.1	0.43	0.63	0.27	47	0.35	0.110
1303316	Soil	1.22	30.66	19.57	86.4	73	31.1	13.6	459	3.26	9.4	0.8	3.6	1.5	20.6	0.23	0.63	0.24	47	0.20	0.073
1303317	Soil	1.09	21.70	12.63	86.6	70	27.0	7.8	275	2.61	8.8	1.0	3.3	1.5	14.3	0.12	0.62	0.26	50	0.16	0.063
1303318	Soil	1.10	18.24	20.88	72.9	71	20.8	9.0	495	2.94	9.5	1.5	1.0	0.9	87.0	0.14	0.61	0.28	50	0.75	0.072
1303319	Soil	1.17	32.29	36.58	93.1	105	33.5	17.3	813	3.90	10.8	1.1	2.3	3.3	46.6	0.43	0.62	0.24	40	0.41	0.117
1303320	Soil	0.89	22.53	23.64	75.8	122	23.4	10.9	569	2.79	8.8	0.8	1.6	1.0	132.0	0.26	0.51	0.21	34	1.63	0.119
1303321	Soil	1.03	31.90	24.67	108.6	262	33.7	12.6	310	3.02	11.7	0.8	3.4	2.0	78.1	0.31	0.81	0.23	42	0.86	0.092
1303322	Soil	0.85	45.79	32.19	138.8	194	34.2	14.0	267	3.11	10.2	1.1	2.4	1.3	93.6	0.31	0.71	0.23	32	0.99	0.089
1303323	Soil	0.88	38.11	38.78	248.6	284	32.8	14.5	535	3.03	18.1	1.9	1.5	1.2	92.9	0.41	1.26	0.24	38	1.21	0.139
1303324	Soil	0.96	31.20	62.14	328.0	822	27.0	14.0	425	2.80	17.8	0.5	1.2	0.7	104.6	0.93	2.37	0.18	29	4.09	0.064
1303325	Soil	1.06	40.95	85.64	1311	921	28.9	15.3	401	3.09	21.6	0.7	1.3	1.3	160.3	2.63	3.77	0.23	24	7.38	0.076
1303326	Soil	0.86	34.79	61.09	321.9	317	27.5	15.4	429	2.82	16.0	0.7	1.5	1.3	240.1	1.02	1.90	0.21	24	10.03	0.073
1303327	Soil	0.93	43.60	50.79	144.4	296	34.9	19.8	433	3.75	16.5	0.6	1.5	2.0	76.4	0.47	1.34	0.25	25	2.50	0.065
1303328	Soil	1.01	43.78	43.69	65.9	248	32.2	16.5	278	3.05	16.4	0.6	1.6	1.8	200.2	0.27	1.68	0.21	17	11.64	0.059
1303329	Soil	0.90	37.88	47.84	129.7	227	33.8	16.7	607	3.57	18.2	0.8	1.7	1.6	60.9	0.41	1.98	0.27	35	1.29	0.073
1303330	Soil	0.82	28.87	33.77	125.4	258	25.6	13.2	745	3.27	20.6	0.8	1.0	1.6	32.7	0.41	4.77	0.23	33	0.83	0.058
1303331	Soil	0.99	18.80	36.62	184.9	95	20.1	10.9	490	3.43	20.1	1.1	0.8	1.2	21.1	0.72	2.07	0.25	47	0.99	0.061
1303332	Soil	2.20	45.86	55.19	107.8	596	29.8	13.4	1065	3.26	38.5	2.9	1.8	2.3	192.8	0.51	4.40	0.17	32	9.56	0.378
1303333	Soil	0.46	39.85	20.88	113.7	229	26.9	13.0	506	2.30	11.5	1.7	1.9	1.4	111.1	0.52	0.59	0.19	30	2.67	0.138
1303334	Soil	0.90	41.13	21.57	103.5	233	32.0	14.7	619	2.89	14.6	1.2	2.1	1.9	73.8	0.43	0.80	0.21	34	2.06	0.141
1303335	Soil	0.72	39.20	19.50	116.6	182	31.1	16.0	426	3.16	11.0	0.9	2.3	1.7	46.5	0.29	0.80	0.22	36	1.24	0.077
1303336	Soil	0.86	28.24	21.23	99.3	193	27.3	12.6	664	3.02	11.8	1.1	2.7	1.4	36.8	0.35	0.73	0.22	41	1.07	0.094

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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303307	Soil	8.8	23.2	0.44	82.8	0.013	2	1.47	0.001	0.08	0.1	2.4	0.12	0.03	22	0.3	0.02	4.6
1303308	Soil	11.8	31.4	0.55	137.4	0.015	2	1.84	0.001	0.08	0.1	2.1	0.20	0.03	24	0.4	0.04	6.2
1303309	Soil	12.5	33.6	0.44	102.5	0.014	<1	1.82	<0.001	0.07	0.2	1.3	0.20	0.05	36	0.4	0.06	6.9
1303310	Soil	13.6	33.2	0.47	94.8	0.028	1	1.81	<0.001	0.07	0.2	3.1	0.22	0.02	22	0.4	0.04	6.8
1303311	Soil	14.4	27.6	0.40	115.7	0.008	3	1.51	0.001	0.10	0.1	2.5	0.17	0.05	41	0.2	0.09	4.8
1303312	Soil	16.9	26.0	0.43	106.5	0.024	2	1.29	0.002	0.06	0.2	4.0	0.13	<0.02	34	0.2	<0.02	4.3
1303313	Soil	12.6	28.1	0.47	81.7	0.020	2	1.52	0.003	0.07	0.1	4.0	0.11	<0.02	20	0.1	0.02	4.3
1303314	Soil	12.6	26.9	0.38	97.3	0.009	2	1.71	0.002	0.06	0.2	4.2	0.13	0.02	47	0.2	0.04	4.6
1303315	Soil	15.4	29.2	0.45	199.7	0.010	2	1.91	0.005	0.08	0.2	5.5	0.16	0.03	40	0.1	0.06	4.4
1303316	Soil	13.1	27.9	0.46	131.8	0.012	2	1.58	0.003	0.07	0.2	3.5	0.13	0.02	28	0.3	<0.02	4.4
1303317	Soil	14.9	30.9	0.53	148.5	0.020	2	1.68	0.005	0.06	0.2	2.9	0.17	0.02	32	0.2	<0.02	5.4
1303318	Soil	11.1	24.4	0.31	123.6	0.008	1	1.54	0.002	0.06	0.2	2.4	0.17	0.04	34	0.3	0.05	5.4
1303319	Soil	16.8	23.3	0.37	124.8	0.007	2	1.60	0.004	0.07	0.1	5.0	0.13	0.03	44	0.2	0.04	3.4
1303320	Soil	14.9	19.6	0.27	132.5	0.006	2	1.12	0.004	0.06	0.1	3.3	0.10	0.08	52	0.2	0.02	3.2
1303321	Soil	18.5	25.6	0.46	115.6	0.019	3	1.27	0.008	0.07	0.2	5.1	0.10	0.04	111	0.3	0.07	3.5
1303322	Soil	10.9	20.8	0.37	100.1	0.006	3	1.14	0.004	0.08	<0.1	4.6	0.13	0.06	90	0.4	0.05	3.2
1303323	Soil	16.8	23.2	0.35	149.6	0.007	3	1.35	0.005	0.09	0.1	4.4	0.21	0.07	183	0.4	0.04	4.0
1303324	Soil	12.2	15.0	0.26	106.4	0.006	3	0.89	0.004	0.08	<0.1	3.0	0.17	0.06	174	0.4	0.04	2.3
1303325	Soil	10.0	13.2	0.35	80.9	0.005	4	0.71	0.006	0.10	<0.1	3.9	0.23	0.05	166	0.6	0.08	1.9
1303326	Soil	9.7	12.9	0.31	76.0	0.007	3	0.70	0.006	0.08	0.1	3.5	0.20	0.04	202	0.6	0.06	2.0
1303327	Soil	14.6	12.9	0.18	75.5	0.005	3	0.66	0.003	0.08	<0.1	5.5	0.26	0.04	272	0.4	0.06	1.7
1303328	Soil	9.3	8.0	0.18	56.2	0.004	3	0.33	0.004	0.07	<0.1	3.7	0.29	0.04	242	0.5	0.10	0.9
1303329	Soil	18.2	17.7	0.25	111.5	0.009	3	0.90	0.005	0.06	0.1	5.4	0.18	0.04	107	0.2	0.07	2.4
1303330	Soil	14.9	18.2	0.25	132.3	0.005	2	1.06	0.002	0.07	0.1	5.4	0.26	0.04	204	0.2	0.07	2.9
1303331	Soil	12.4	22.7	0.34	110.7	0.009	2	1.52	0.003	0.07	0.1	3.3	0.22	0.05	78	0.2	0.03	4.4
1303332	Soil	10.0	14.8	2.58	106.7	0.008	5	0.83	0.007	0.15	0.2	3.9	0.56	0.02	251	0.5	0.04	2.1
1303333	Soil	10.9	18.0	0.34	145.1	0.005	4	1.07	0.005	0.08	0.1	3.8	0.25	0.07	236	0.5	0.02	2.8
1303334	Soil	12.4	19.9	0.58	151.9	0.006	3	1.22	0.005	0.09	<0.1	4.4	0.19	0.05	189	0.4	0.04	3.4
1303335	Soil	8.8	23.9	0.43	139.2	0.005	3	1.38	0.004	0.08	0.1	4.5	0.15	0.05	105	0.4	0.04	3.9
1303336	Soil	11.9	22.7	0.48	166.7	0.007	2	1.43	0.004	0.07	0.1	3.2	0.13	0.05	115	0.3	0.03	4.0

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303337	Soil			0.82	24.44	16.36	98.0	147	22.7	10.2	531	2.32	10.2	0.9	1.7	1.3	76.5	0.41	0.73	0.16	33	3.89	0.085
1303338	Soil			1.06	20.25	25.80	87.1	104	22.8	13.4	806	3.11	12.1	1.4	1.4	4.0	47.2	0.44	0.62	0.19	44	1.55	0.209
1303339	Soil			0.98	25.45	20.33	83.5	177	22.7	11.6	1178	2.73	9.4	1.6	1.0	0.9	80.1	0.66	0.55	0.18	35	3.47	0.108
1303340	Soil			0.75	27.56	18.49	118.8	129	25.8	11.9	432	2.86	10.7	0.9	1.7	2.0	34.0	0.34	0.66	0.17	35	0.79	0.091
1303341	Soil			1.14	21.24	32.84	134.5	35	25.4	14.5	872	3.82	14.8	0.6	0.6	2.6	23.4	0.20	0.68	0.22	45	0.39	0.060
1303342	Soil			0.80	69.91	22.71	95.2	196	24.6	13.1	1088	3.01	9.7	1.0	1.6	1.2	135.2	0.55	0.55	0.22	37	2.19	0.070
1303343	Soil			<0.01	3.16	0.24	4.1	12	1.1	0.9	19	0.30	0.3	<0.1	<0.2	<0.1	9.0	<0.01	<0.02	<0.02	10	0.10	0.024
1303344	Soil			0.62	14.97	16.25	91.2	54	34.3	10.8	446	2.81	5.1	0.6	1.9	1.4	5.7	0.12	0.17	0.22	27	0.08	0.077
1303345	Soil			0.57	49.20	19.99	79.9	108	40.7	12.2	474	3.14	5.3	2.9	1.9	3.2	13.9	0.09	0.33	0.26	32	0.31	0.102
1303346	Soil			0.46	17.79	15.78	81.5	24	37.9	13.5	434	2.98	3.6	1.0	1.9	6.0	13.0	0.08	0.28	0.20	30	0.27	0.049
1303347	Soil			0.76	39.18	13.05	82.7	37	26.4	9.7	281	2.62	4.3	0.8	1.5	1.5	7.5	0.15	0.47	0.18	37	0.09	0.064
1303348	Soil			0.64	27.25	16.14	128.3	51	28.9	9.1	261	2.54	3.8	2.1	0.9	2.2	21.1	0.28	0.36	0.25	31	0.58	0.104
1303349	Soil			0.63	24.74	14.32	85.7	29	32.3	11.3	348	2.86	6.3	1.0	3.8	3.0	8.9	0.13	0.38	0.27	38	0.11	0.068
1303350	Soil			0.80	26.40	15.36	95.5	27	31.1	11.6	450	2.87	9.4	1.9	3.7	3.6	10.9	0.30	0.49	0.21	43	0.18	0.057
1303351	Soil			0.68	29.58	14.95	105.3	104	30.4	11.1	465	2.75	9.1	3.4	4.4	3.2	31.1	0.38	0.44	0.19	42	0.64	0.067
1303352	Soil			0.31	31.87	10.99	78.6	58	26.0	11.9	365	2.22	6.8	1.4	7.3	4.5	83.4	0.22	0.12	0.14	30	5.14	0.066
1303353	Soil			0.64	28.97	14.11	84.6	80	25.1	9.2	251	2.03	8.2	1.9	4.7	2.8	64.8	0.32	0.25	0.14	29	3.74	0.068
1303354	Soil			0.73	29.97	18.87	97.5	171	27.6	8.5	287	2.42	9.6	7.1	5.3	1.7	36.8	0.42	0.37	0.18	36	0.91	0.100
1303355	Soil			1.58	23.26	33.18	101.8	382	25.9	9.9	596	3.05	10.7	5.8	3.1	1.5	38.1	0.29	0.54	0.22	36	0.76	0.126
1303356	Soil			0.88	21.29	49.16	91.6	263	16.9	6.4	790	2.73	6.4	1.1	1.4	1.7	21.0	0.19	0.33	0.22	21	2.93	0.101
1303357	Soil			0.67	14.47	49.56	60.2	201	10.4	4.6	658	2.44	4.5	0.6	0.7	3.3	30.1	0.15	0.16	0.24	15	4.05	0.058
1303358	Soil			1.21	10.28	58.88	98.9	168	14.3	5.8	2260	2.10	8.0	1.5	1.2	0.6	46.0	0.38	0.24	0.07	21	12.99	0.182
1303359	Soil			1.13	20.55	41.41	278.5	159	27.4	11.9	3882	3.64	12.2	1.9	1.6	1.3	17.1	0.94	0.65	0.16	43	2.05	0.099
1303360	Soil			1.29	18.78	46.09	232.7	201	26.7	10.7	2003	3.25	9.8	1.6	0.8	2.3	16.3	0.72	0.48	0.17	33	0.95	0.074
1303361	Soil			1.13	18.82	54.69	128.8	183	25.1	10.4	1219	2.82	10.8	1.8	1.0	1.1	15.4	0.61	0.58	0.18	40	1.28	0.140
1303362	Soil			1.06	17.47	40.15	115.5	185	25.2	10.4	1211	2.73	9.7	1.6	2.7	1.1	20.2	0.49	0.59	0.17	42	2.54	0.135
1303363	Soil			1.13	14.49	35.32	130.4	118	21.2	7.2	1084	2.87	10.0	1.9	1.6	1.0	16.9	0.33	0.59	0.19	53	1.39	0.175
1303364	Soil			1.03	16.36	24.56	113.5	165	23.1	9.1	1076	2.65	10.1	1.2	1.7	1.0	16.4	0.48	0.63	0.17	50	1.35	0.108
1303365	Soil			1.44	15.72	25.53	98.7	142	24.7	8.5	1126	2.70	10.8	1.3	2.3	1.2	17.5	0.30	0.63	0.17	49	1.59	0.089
1303366	Soil			0.93	14.62	31.62	105.2	155	18.4	7.7	1284	2.31	9.1	1.7	1.4	1.1	23.4	0.59	0.57	0.11	44	5.31	0.098



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303337	Soil	9.0	18.4	1.61	135.7	0.006	3	1.09	0.006	0.07	<0.1	2.8	0.14	0.05	169	0.3	0.03	3.0
1303338	Soil	13.1	21.5	0.64	129.4	0.005	2	1.62	0.002	0.07	0.1	4.0	0.17	<0.02	56	0.2	<0.02	4.0
1303339	Soil	10.5	17.8	1.10	161.4	0.006	2	1.13	0.003	0.06	0.1	2.9	0.09	0.05	129	0.4	0.03	3.4
1303340	Soil	11.7	20.2	0.43	137.8	0.005	2	1.25	0.004	0.07	<0.1	3.5	0.12	0.04	116	0.3	<0.02	3.8
1303341	Soil	9.3	22.6	0.42	138.6	0.004	1	1.48	0.001	0.06	<0.1	3.8	0.14	<0.02	75	0.1	0.07	3.9
1303342	Soil	12.0	20.1	0.32	202.1	0.006	2	1.16	0.003	0.06	0.1	5.0	0.10	0.05	178	0.5	0.03	3.5
1303343	Soil	1.0	1.4	0.02	14.1	0.015	<1	0.14	0.070	0.04	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.6
1303344	Soil	16.1	37.1	0.91	59.6	0.006	4	1.58	0.002	0.15	<0.1	1.5	0.08	0.06	60	0.1	0.05	6.5
1303345	Soil	17.4	40.8	0.98	163.5	0.004	2	2.08	0.002	0.07	<0.1	5.8	0.13	0.05	34	0.1	0.04	6.0
1303346	Soil	32.4	34.7	1.14	276.1	0.005	2	1.95	0.001	0.09	<0.1	3.5	0.11	<0.02	9	0.3	<0.02	5.4
1303347	Soil	23.2	32.2	1.01	184.4	0.007	2	1.67	0.001	0.09	<0.1	1.9	0.13	0.03	22	0.2	0.03	5.5
1303348	Soil	17.7	31.6	0.79	355.6	0.005	2	1.67	0.003	0.09	<0.1	4.6	0.12	0.05	18	0.3	0.04	4.9
1303349	Soil	23.8	36.0	1.27	107.7	0.008	2	2.07	<0.001	0.07	<0.1	2.8	0.13	<0.02	19	0.2	<0.02	6.0
1303350	Soil	22.2	39.7	1.43	119.8	0.012	3	2.00	0.001	0.07	0.1	3.7	0.11	<0.02	23	0.3	<0.02	5.7
1303351	Soil	30.2	42.2	1.50	141.3	0.009	3	1.87	0.002	0.07	0.1	5.2	0.10	0.04	64	0.5	<0.02	6.2
1303352	Soil	22.1	33.0	2.36	40.7	0.003	4	1.62	0.002	0.11	<0.1	4.8	0.08	0.03	32	0.3	0.03	5.1
1303353	Soil	20.6	30.0	2.44	52.7	0.005	4	1.43	0.004	0.12	<0.1	4.0	0.09	0.04	31	0.4	<0.02	4.5
1303354	Soil	28.5	31.7	1.18	142.4	0.005	4	1.64	<0.001	0.10	<0.1	3.2	0.13	0.07	55	0.3	0.04	4.9
1303355	Soil	21.3	27.1	0.68	100.9	0.005	3	1.37	0.001	0.07	<0.1	3.4	0.16	0.06	75	0.4	0.03	3.8
1303356	Soil	7.0	13.5	1.52	105.7	0.003	4	0.77	0.006	0.11	<0.1	2.7	0.32	0.15	73	0.2	0.05	2.1
1303357	Soil	4.5	9.9	2.22	88.3	0.001	9	0.36	0.008	0.31	<0.1	2.4	0.59	0.45	44	0.2	<0.02	5.5
1303358	Soil	7.1	11.1	6.89	58.1	0.006	4	0.60	0.010	0.04	<0.1	1.4	0.45	0.04	41	0.2	0.04	1.3
1303359	Soil	21.0	28.2	1.36	265.3	0.008	3	1.90	0.004	0.06	0.1	2.9	0.67	0.07	51	0.3	0.04	4.2
1303360	Soil	18.0	20.1	0.75	150.5	0.006	3	1.17	0.003	0.08	<0.1	3.5	0.40	0.09	35	0.2	0.03	3.1
1303361	Soil	12.3	24.4	0.73	166.8	0.010	2	1.44	0.004	0.06	0.2	2.6	0.21	0.09	39	0.4	0.03	4.0
1303362	Soil	13.0	24.0	1.58	140.1	0.010	3	1.45	0.006	0.05	0.2	2.6	0.18	0.07	52	0.3	0.03	4.1
1303363	Soil	13.8	28.7	0.88	140.3	0.013	2	1.71	0.004	0.06	0.2	2.5	0.27	0.05	42	0.3	0.04	5.5
1303364	Soil	14.0	27.9	0.93	182.9	0.012	2	1.65	0.006	0.05	0.2	2.6	0.19	0.07	46	0.4	0.03	4.9
1303365	Soil	14.9	28.7	1.20	153.4	0.014	2	1.64	0.006	0.05	0.2	2.9	0.23	0.03	41	0.3	0.03	4.6
1303366	Soil	11.1	21.0	3.16	123.2	0.014	2	1.25	0.008	0.05	0.1	2.4	0.16	0.05	43	0.2	<0.02	3.3

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303367	Soil	1.07	16.37	26.06	104.0	180	24.0	8.5	1070	2.38	9.5	1.4	2.3	3.0	25.8	0.42	0.68	0.09	41	3.13	0.089
1303368	Soil	1.08	17.09	29.90	159.4	165	22.3	7.0	1671	2.66	9.8	1.6	3.0	2.3	32.9	0.51	0.59	0.08	41	5.62	0.111
1303369	Soil	1.09	19.94	30.62	126.4	157	28.7	9.5	1648	2.81	11.5	1.6	2.7	2.6	20.8	0.44	0.69	0.15	48	1.62	0.113
1303370	Soil	1.00	15.47	23.56	88.6	150	21.9	8.3	1125	2.45	11.3	1.4	2.2	1.8	24.9	0.29	0.65	0.15	46	3.04	0.101
1303371	Soil	1.05	19.60	31.34	126.7	142	21.8	7.7	813	2.60	10.1	1.1	2.0	2.5	22.9	0.35	0.67	0.11	46	3.03	0.082
1303372	Soil	0.92	19.60	17.37	82.2	134	22.4	7.1	660	2.27	8.5	0.9	2.0	2.1	27.3	0.31	0.64	0.09	43	3.28	0.091
1303373	Soil	1.46	24.01	35.64	158.9	118	32.8	9.9	1631	3.22	11.3	1.5	4.5	3.7	18.9	0.64	0.79	0.13	54	0.48	0.112
1303374	Soil	1.38	20.45	44.30	151.0	67	31.8	10.8	1121	3.15	12.2	1.1	5.8	2.4	15.4	0.33	0.83	0.15	55	0.36	0.093
1303375	Soil	0.99	16.33	40.74	84.5	133	20.9	8.2	1406	2.52	11.9	1.4	1.2	1.4	25.8	0.27	0.47	0.15	43	3.63	0.117
1303376	Soil	0.76	13.92	17.48	82.0	105	17.0	7.6	1426	2.03	8.4	0.7	1.8	1.0	26.2	0.40	0.49	0.10	34	6.05	0.129
1303377	Soil	1.27	5.24	20.25	30.9	25	6.5	3.8	911	1.08	8.2	0.4	<0.2	0.7	20.7	0.17	0.17	0.04	12	6.85	0.068
1303378	Soil	0.86	15.05	32.54	120.4	106	21.9	9.3	2061	2.59	11.2	0.7	1.7	1.2	19.2	0.50	0.53	0.16	40	3.94	0.120
1303379	Soil	0.45	5.00	34.36	115.6	45	5.7	2.5	945	0.92	5.8	0.4	0.3	0.3	17.8	0.49	0.15	<0.02	10	6.88	0.086
1303380	Soil	<0.01	2.76	0.32	4.2	10	0.9	0.7	25	0.27	0.2	<0.1	<0.2	<0.1	11.0	<0.01	<0.02	<0.02	9	0.13	0.024
1303381	Soil	0.91	30.25	26.39	104.1	149	31.0	13.6	674	3.12	8.3	2.4	1.7	3.4	28.1	0.26	0.35	0.20	28	1.19	0.070
1303382	Soil	1.76	51.48	30.30	90.9	194	44.6	19.6	1259	4.16	14.8	1.2	5.6	3.6	27.6	0.24	0.65	0.32	27	1.17	0.058
1303383	Soil	0.90	43.69	31.88	114.4	163	35.2	14.2	640	3.06	9.3	1.6	10.1	4.1	51.4	0.32	0.36	0.23	26	3.20	0.084
1303384	Soil	0.94	30.21	24.12	163.6	176	30.7	12.3	419	3.13	8.3	1.1	3.6	2.9	29.9	0.54	0.34	0.35	25	0.80	0.088
1303385	Soil	0.82	24.91	25.50	164.8	114	25.8	11.9	419	3.40	7.7	1.8	1.9	2.5	22.8	0.58	0.26	0.30	25	0.75	0.108
1303386	Soil	0.91	50.53	45.35	172.3	173	36.9	17.7	1072	4.70	10.6	1.3	1.8	4.1	25.8	0.54	0.38	0.30	31	2.10	0.084
1303387	Soil	0.86	28.84	34.04	120.4	173	26.0	13.2	746	3.55	9.3	1.3	1.8	2.8	21.8	0.31	0.30	0.30	30	1.08	0.093
1303388	Soil	0.64	27.64	50.86	215.5	135	25.6	12.9	808	2.79	7.3	1.3	1.4	3.5	26.7	0.43	0.28	0.26	19	3.08	0.082
1303389	Soil	0.61	21.11	36.32	113.9	111	17.8	9.6	695	2.18	6.4	0.9	1.0	2.7	44.5	0.27	0.30	0.15	16	5.65	0.070
1303390	Soil	0.57	28.23	24.64	150.9	78	26.3	11.6	346	2.50	9.4	1.2	4.2	3.3	32.9	0.26	0.42	0.23	24	2.03	0.072
1303391	Soil	0.73	18.27	26.01	166.5	54	26.5	10.4	383	2.82	9.2	1.4	1.5	2.9	14.7	0.21	0.54	0.21	33	0.27	0.069
1303392	Soil	0.83	34.77	421.9	665.1	407	29.0	16.7	750	4.07	19.5	0.9	1.1	3.5	52.5	2.79	1.97	0.28	28	3.14	0.099
1303393	Soil	0.82	24.68	63.52	167.3	211	25.0	13.2	694	3.14	15.5	1.2	1.6	1.2	55.0	0.52	0.88	0.23	33	1.76	0.090
1303394	Soil	0.73	29.65	30.29	152.0	158	28.1	15.1	438	2.98	11.4	0.7	1.1	2.0	124.7	0.38	0.57	0.22	26	4.71	0.077
1303395	Soil	1.85	24.37	94.02	325.6	850	25.3	13.4	900	3.32	41.9	0.9	1.3	2.0	49.6	0.78	6.32	0.24	30	3.55	0.092
1303396	Soil	1.15	37.46	59.12	311.7	510	33.7	14.2	1992	3.77	33.3	1.7	1.5	1.1	52.2	1.24	3.78	0.24	39	1.47	0.204



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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303367	Soil	15.7	22.6	2.05	121.3	0.025	2	1.11	0.010	0.05	0.2	3.4	0.16	0.02	38	0.2	0.03	3.1
1303368	Soil	18.5	20.6	3.25	102.1	0.019	2	1.10	0.009	0.06	0.2	3.2	0.22	0.03	37	0.2	0.02	2.8
1303369	Soil	21.5	27.3	1.20	161.9	0.017	2	1.50	0.006	0.06	0.3	4.2	0.27	0.02	37	0.2	0.05	4.1
1303370	Soil	16.1	25.3	1.98	144.6	0.017	1	1.40	0.008	0.05	0.2	3.3	0.16	0.03	49	0.2	<0.02	4.1
1303371	Soil	16.1	24.0	2.01	117.2	0.019	2	1.33	0.008	0.05	0.3	4.0	0.21	0.03	52	0.4	<0.02	3.7
1303372	Soil	13.7	23.7	2.15	129.2	0.018	2	1.31	0.008	0.05	0.2	3.4	0.14	<0.02	38	0.2	0.04	3.6
1303373	Soil	23.7	33.7	0.67	191.1	0.023	2	1.74	0.007	0.08	0.2	5.4	0.19	<0.02	35	0.4	<0.02	4.7
1303374	Soil	16.4	31.9	0.62	176.9	0.018	2	1.77	0.005	0.07	0.2	3.7	0.22	0.03	19	0.2	0.02	5.6
1303375	Soil	16.3	23.8	2.16	197.4	0.007	3	1.49	0.003	0.06	0.2	3.0	0.25	0.04	35	<0.1	<0.02	4.2
1303376	Soil	9.7	18.6	3.48	112.3	0.009	2	1.07	0.008	0.06	0.1	2.1	0.17	0.04	33	0.3	<0.02	2.7
1303377	Soil	6.5	8.4	3.85	40.4	0.003	3	0.44	0.006	0.06	<0.1	1.2	0.24	0.03	47	0.2	<0.02	1.0
1303378	Soil	13.6	23.8	2.44	118.1	0.010	2	1.47	0.006	0.07	0.1	2.6	0.24	0.06	50	0.4	0.06	3.7
1303379	Soil	5.0	8.0	3.79	43.7	0.002	3	0.44	0.006	0.04	<0.1	0.7	0.20	0.04	32	<0.1	<0.02	0.9
1303380	Soil	0.9	1.4	0.03	15.1	0.013	<1	0.13	0.068	0.04	<0.1	0.3	<0.02	<0.02	7	<0.1	<0.02	0.6
1303381	Soil	11.9	25.1	1.00	117.5	0.003	3	1.34	0.003	0.11	<0.1	4.5	0.13	0.05	55	0.4	0.05	4.0
1303382	Soil	10.6	18.8	0.77	123.0	0.002	3	0.97	0.003	0.10	<0.1	6.6	0.19	0.15	82	0.4	0.07	2.9
1303383	Soil	10.9	19.6	1.79	98.3	0.002	5	1.17	0.004	0.15	<0.1	5.3	0.18	0.04	68	0.4	0.05	3.5
1303384	Soil	9.7	22.2	0.57	95.0	0.002	4	1.26	0.003	0.12	<0.1	4.7	0.11	0.06	64	0.6	<0.02	3.6
1303385	Soil	8.9	23.1	0.53	112.6	0.003	5	1.37	0.002	0.12	<0.1	4.8	0.13	0.07	54	0.4	0.04	3.9
1303386	Soil	11.0	22.1	1.38	80.3	0.003	4	1.15	0.003	0.11	<0.1	7.7	0.18	0.05	59	0.3	0.03	3.0
1303387	Soil	12.4	24.7	0.78	122.5	0.004	4	1.47	0.002	0.09	<0.1	6.1	0.20	0.04	61	0.5	0.04	4.1
1303388	Soil	9.3	19.1	2.06	106.3	0.005	5	1.07	0.005	0.12	<0.1	4.5	0.29	0.05	45	0.4	0.03	3.2
1303389	Soil	8.0	12.7	3.16	55.4	0.005	3	0.79	0.006	0.09	<0.1	3.4	0.16	0.03	31	0.2	0.05	2.0
1303390	Soil	12.6	24.2	1.65	107.0	0.005	5	1.34	0.004	0.14	<0.1	4.4	0.19	0.06	55	0.3	0.04	4.2
1303391	Soil	12.8	25.8	0.47	156.5	0.007	4	1.62	0.002	0.09	0.1	3.6	0.22	<0.02	81	0.1	0.04	4.5
1303392	Soil	10.1	20.7	1.41	120.1	0.003	5	1.19	0.004	0.11	<0.1	5.4	0.32	0.04	911	0.4	0.05	3.3
1303393	Soil	11.7	23.9	0.54	155.3	0.007	3	1.43	0.003	0.10	<0.1	3.6	0.27	0.08	233	0.4	0.05	4.0
1303394	Soil	11.5	20.5	0.85	118.7	0.006	6	1.14	0.005	0.12	<0.1	4.5	0.24	0.05	111	0.5	0.06	2.9
1303395	Soil	10.6	21.4	1.72	137.0	0.004	6	1.33	0.005	0.11	0.1	4.2	0.37	0.07	324	0.4	0.03	3.4
1303396	Soil	13.5	24.7	0.41	200.0	0.009	5	1.48	0.007	0.11	0.2	3.4	0.48	0.10	281	0.8	0.06	4.2



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

WHI12000414.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1303397	Soil	1.04	20.10	54.66	127.9	369	23.8	12.9	1061	3.35	18.7	1.2	1.2	1.8	25.4	0.27	1.40	0.23	46	1.97	0.148
1303398	Soil	0.47	12.28	28.49	108.6	175	9.4	6.2	702	1.69	9.7	0.9	1.4	0.5	27.1	0.51	1.27	0.10	20	6.09	0.106
1303399	Soil	0.74	15.12	31.10	207.7	148	19.2	12.1	781	2.77	12.5	1.1	0.9	1.5	20.7	0.32	0.75	0.21	38	1.42	0.099
1303400	Soil	0.70	14.33	25.05	63.0	152	17.4	9.2	645	2.31	12.2	0.5	1.2	1.4	28.6	0.17	1.00	0.16	32	4.41	0.077
1303401	Soil	1.12	17.53	30.62	89.7	104	26.3	12.6	892	3.85	17.3	0.8	1.7	3.4	15.0	0.23	1.54	0.22	48	0.87	0.053
1303402	Soil	0.89	16.93	24.13	139.4	174	19.2	11.3	957	3.04	14.7	1.4	1.1	0.9	20.3	0.77	1.95	0.19	36	1.36	0.092
1303403	Soil	1.08	23.03	40.94	146.8	256	24.8	14.2	2150	5.78	24.1	1.1	0.9	2.2	22.6	0.83	3.62	0.32	42	0.81	0.062
1303404	Soil	0.93	16.72	26.72	86.3	101	20.4	10.8	802	3.70	13.4	0.8	2.6	2.4	12.1	0.20	1.17	0.19	38	0.35	0.059
1303405	Soil	1.27	21.80	50.02	107.8	68	27.1	12.7	2041	6.16	16.4	1.2	2.3	3.6	11.2	0.41	1.70	0.21	45	0.23	0.057
1303406	Soil	0.92	15.14	38.09	102.9	190	19.4	15.3	3320	4.39	17.6	1.7	0.8	1.1	20.9	1.37	1.86	0.23	47	1.21	0.097
1303407	Soil	1.05	18.23	29.19	106.8	136	20.5	11.8	1611	4.02	9.9	1.1	1.0	1.3	13.0	0.86	0.75	0.21	46	0.38	0.074
1303408	Soil	1.92	15.95	72.71	61.0	56	20.8	11.3	1905	8.26	15.6	0.9	1.4	4.7	5.7	0.33	1.04	0.22	51	0.09	0.040
1303409	Soil	1.11	38.76	106.7	79.0	331	30.8	15.2	2948	12.35	18.7	1.5	1.8	6.4	5.0	0.42	1.53	0.20	36	0.10	0.043
1303410	Soil	0.98	22.00	70.98	235.9	236	22.4	12.1	1385	4.27	13.9	0.9	1.3	1.9	20.8	1.36	1.37	0.18	32	2.80	0.066
1303411	Soil	0.88	26.33	33.74	122.5	130	20.5	11.4	675	3.19	14.3	0.7	2.6	2.7	46.7	0.44	0.92	0.16	31	4.14	0.065
1303412	Soil	0.02	2.89	0.26	3.9	15	0.8	0.8	18	0.25	0.1	<0.1	0.3	<0.1	9.3	<0.01	<0.02	<0.02	8	0.10	0.024



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Project: CAR
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CERTIFICATE OF ANALYSIS

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	Method	1F15																
		Analyte																
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1
1303397	Soil	14.9	25.8	1.02	154.9	0.010	3	1.49	0.006	0.08	0.1	4.3	0.29	0.05	110	0.3	0.03	3.9
1303398	Soil	5.6	11.6	3.51	91.1	0.005	3	0.79	0.009	0.06	<0.1	2.1	0.22	0.07	90	0.3	<0.02	1.9
1303399	Soil	10.6	24.8	0.62	162.3	0.008	4	1.54	0.005	0.08	0.1	3.5	0.24	0.08	128	0.4	0.02	4.7
1303400	Soil	8.2	17.0	2.65	112.4	0.011	3	1.02	0.009	0.05	0.2	3.1	0.19	0.04	101	0.2	0.03	2.6
1303401	Soil	12.2	27.1	0.66	179.7	0.013	2	1.82	0.004	0.07	0.2	4.2	0.24	0.03	77	0.5	0.04	4.8
1303402	Soil	9.3	20.2	0.47	140.8	0.011	3	1.32	0.005	0.06	0.1	2.7	0.21	0.09	152	0.4	<0.02	3.9
1303403	Soil	16.0	23.6	0.42	166.2	0.012	2	1.36	0.004	0.07	0.2	5.3	0.39	0.05	259	0.3	0.07	4.3
1303404	Soil	11.3	20.1	0.38	101.6	0.009	2	1.26	0.003	0.05	0.1	4.1	0.23	0.03	101	0.2	0.05	3.9
1303405	Soil	17.4	24.0	0.34	198.6	0.007	2	1.74	0.002	0.05	0.1	5.5	0.37	0.03	75	0.2	<0.02	4.5
1303406	Soil	12.1	19.3	0.53	211.3	0.012	2	1.30	0.003	0.05	0.2	4.3	0.27	0.05	115	0.2	0.06	4.2
1303407	Soil	10.6	22.3	0.35	197.2	0.014	1	1.41	0.003	0.06	0.2	3.7	0.20	0.04	39	0.2	0.04	5.0
1303408	Soil	13.1	23.8	0.23	207.5	0.013	1	1.59	0.002	0.05	0.2	4.7	0.36	<0.02	47	0.3	0.02	5.1
1303409	Soil	16.5	20.7	0.27	114.7	0.010	1	1.42	0.001	0.04	0.1	12.8	0.32	0.03	162	0.6	0.03	2.8
1303410	Soil	9.9	17.7	1.69	161.6	0.011	3	1.01	0.005	0.06	0.1	4.9	0.20	0.06	134	0.4	0.02	2.7
1303411	Soil	9.8	16.8	2.37	107.2	0.005	3	1.14	0.006	0.08	<0.1	5.3	0.20	0.03	134	0.2	0.05	2.9
1303412	Soil	1.0	0.9	0.02	13.1	0.013	<1	0.13	0.054	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6



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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000414.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1298805	Soil	1.06	37.23	25.52	88.1	39	32.1	13.4	786	3.20	8.0	0.7	5.5	1.4	7.3	0.15	0.52	0.37	38	0.11	0.091
REP 1298805	QC	1.12	37.38	24.82	91.1	42	33.2	13.4	801	3.15	8.0	0.7	5.5	1.4	7.4	0.15	0.54	0.34	37	0.10	0.087
1298813	Soil	1.30	23.99	19.37	97.6	57	25.2	12.0	595	3.34	10.1	1.0	1.0	0.7	11.7	0.25	0.51	0.30	42	0.09	0.104
REP 1298813	QC	1.32	23.82	19.26	98.0	55	25.4	12.2	583	3.34	10.2	1.0	0.6	0.7	11.7	0.23	0.52	0.32	41	0.09	0.106
1298818	Soil	1.23	42.81	18.67	91.5	36	33.9	23.5	388	4.19	10.2	0.8	0.2	4.9	13.2	0.21	0.49	0.33	47	0.05	0.047
REP 1298818	QC	1.17	41.50	18.26	93.1	33	31.6	23.4	383	4.12	10.2	0.8	0.4	4.8	13.2	0.20	0.48	0.32	47	0.05	0.046
1298849	Soil	1.75	109.4	82.37	652.3	324	67.8	50.1	1370	9.20	14.9	1.3	2.6	5.5	11.9	2.41	0.80	0.39	36	0.20	0.083
REP 1298849	QC	1.41	104.1	76.01	620.9	284	65.8	48.1	1393	9.11	13.7	1.1	0.8	5.0	11.3	2.05	0.73	0.36	36	0.20	0.079
1298854	Soil	0.84	35.32	32.40	215.8	212	26.5	14.2	458	2.90	16.5	1.6	1.0	0.8	198.7	0.48	1.50	0.19	29	1.90	0.101
REP 1298854	QC	0.84	35.61	33.21	223.5	198	28.8	14.0	499	2.94	16.2	1.6	0.7	0.9	203.2	0.55	1.57	0.21	29	1.90	0.102
1298875	Soil	0.91	24.29	20.97	113.6	157	20.8	9.4	588	2.44	10.6	1.5	1.4	1.2	186.6	0.53	0.88	0.24	25	6.40	0.139
REP 1298875	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298885	Soil	0.51	71.78	12.48	90.0	54	28.8	12.4	737	2.65	2.3	1.4	1.5	2.7	18.9	0.27	0.28	0.19	27	0.65	0.136
REP 1298885	QC	0.55	73.19	12.89	95.8	54	30.6	12.1	702	2.64	2.0	1.4	0.5	2.9	19.9	0.25	0.32	0.16	27	0.64	0.142
1298890	Soil	0.85	35.68	158.4	345.2	366	25.4	10.4	750	2.64	13.7	3.3	4.2	1.7	29.4	1.17	0.59	0.16	30	0.99	0.103
REP 1298890	QC	0.86	37.93	157.5	360.4	344	25.7	10.9	752	2.68	13.8	3.2	5.2	1.8	29.0	1.17	0.55	0.17	30	1.01	0.113
1298921	Soil	0.95	32.16	28.77	104.2	151	27.6	14.9	665	4.27	9.3	1.3	1.2	3.1	16.1	0.17	0.40	0.33	34	0.28	0.096
REP 1298921	QC	0.93	32.78	28.58	104.6	154	28.6	15.3	669	4.32	9.6	1.3	2.1	3.2	16.5	0.16	0.40	0.33	35	0.27	0.098
1298926	Soil	0.80	35.25	44.17	156.5	210	27.3	11.8	588	3.15	9.9	1.5	2.2	1.1	48.1	0.35	0.56	0.28	28	1.57	0.101
REP 1298926	QC	0.82	35.64	44.49	157.1	204	26.5	12.1	589	3.18	9.8	1.5	2.6	1.2	50.2	0.34	0.58	0.27	28	1.57	0.101
1298957	Soil	0.83	20.18	50.68	222.2	202	18.1	10.0	1139	4.18	15.0	0.6	1.2	1.3	21.1	1.56	1.93	0.15	23	4.06	0.065
REP 1298957	QC	0.84	20.49	49.18	224.2	198	17.6	9.6	1124	4.10	14.5	0.6	0.9	1.3	21.5	1.51	1.88	0.15	23	4.09	0.061
1303179	Soil	0.67	41.79	24.24	130.0	193	34.4	13.3	571	4.16	16.2	1.4	4.8	2.5	80.2	0.47	0.49	0.19	42	1.05	0.086
REP 1303179	QC	0.63	40.30	24.25	128.1	197	34.0	13.3	558	4.05	16.2	1.4	6.7	2.5	77.3	0.45	0.52	0.19	42	1.03	0.088
1303286	Soil	1.08	29.79	36.25	126.4	274	27.9	12.6	502	2.89	17.4	0.5	1.3	0.8	89.9	0.58	0.96	0.17	34	2.92	0.068
REP 1303286	QC	1.05	29.41	36.63	127.4	272	28.1	13.2	511	2.92	17.4	0.5	1.6	0.8	92.1	0.53	1.00	0.20	33	2.94	0.073
1303291	Soil	0.84	32.79	33.11	174.1	298	30.8	14.7	649	3.05	20.0	1.3	2.6	1.5	55.2	0.59	1.89	0.16	39	1.50	0.141
REP 1303291	QC	0.82	32.12	33.50	166.3	301	29.7	13.1	618	2.89	20.1	1.3	3.6	1.5	54.4	0.59	1.80	0.19	37	1.42	0.143



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Project: CAR
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QUALITY CONTROL REPORT

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
1298805	Soil	15.2	35.0	0.78	98.0	0.010	2	1.89	<0.001	0.08	0.1	2.7	0.10	0.05	34	0.5	0.08	5.7
REP 1298805	QC	14.6	33.9	0.77	98.7	0.010	2	1.88	<0.001	0.08	0.1	2.5	0.10	0.05	47	0.3	0.06	5.7
1298813	Soil	11.0	25.6	0.42	125.4	0.008	2	1.60	0.002	0.08	0.1	1.7	0.13	0.04	37	0.3	0.03	4.7
REP 1298813	QC	10.9	25.1	0.42	125.0	0.007	2	1.60	0.002	0.08	<0.1	1.7	0.12	0.04	38	0.4	0.02	4.9
1298818	Soil	9.8	33.0	0.52	82.4	0.012	3	2.24	0.002	0.09	<0.1	5.2	0.16	<0.02	33	0.4	0.03	5.8
REP 1298818	QC	9.8	33.3	0.52	81.8	0.012	3	2.25	0.002	0.09	<0.1	4.9	0.15	<0.02	34	0.3	0.04	5.9
1298849	Soil	12.1	27.4	0.66	72.6	0.005	4	1.95	0.003	0.11	<0.1	14.3	0.38	0.07	97	0.8	0.07	4.3
REP 1298849	QC	10.6	27.4	0.66	64.2	0.005	5	1.96	0.003	0.11	<0.1	13.7	0.35	0.06	73	0.8	0.10	4.1
1298854	Soil	10.9	17.5	0.29	192.0	0.009	4	1.13	0.004	0.07	0.1	4.4	0.14	0.09	145	0.4	<0.02	3.2
REP 1298854	QC	11.6	19.3	0.31	188.9	0.010	4	1.12	0.004	0.07	<0.1	4.0	0.14	0.09	121	0.4	0.03	3.4
1298875	Soil	11.0	14.2	2.08	118.0	0.006	4	0.92	0.004	0.06	<0.1	3.2	0.10	0.04	112	0.6	<0.02	2.2
REP 1298875	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1298885	Soil	24.2	34.3	1.45	424.7	0.008	4	1.84	0.003	0.11	<0.1	5.8	0.10	0.09	35	0.7	0.03	4.8
REP 1298885	QC	26.1	36.4	1.45	455.3	0.008	4	1.84	0.003	0.11	<0.1	6.1	0.11	0.09	46	0.6	<0.02	5.2
1298890	Soil	31.3	31.1	1.04	136.0	0.007	3	1.57	0.003	0.10	<0.1	4.4	0.13	0.06	195	0.7	<0.02	4.1
REP 1298890	QC	30.9	28.7	1.06	131.8	0.007	3	1.60	0.003	0.10	<0.1	4.5	0.13	0.06	201	0.9	0.04	4.2
1298921	Soil	10.7	26.8	0.49	180.4	0.003	3	1.59	0.002	0.12	<0.1	6.1	0.21	0.05	55	0.8	0.04	4.9
REP 1298921	QC	11.0	27.3	0.49	180.3	0.003	5	1.63	0.002	0.12	<0.1	6.1	0.21	0.05	62	0.8	0.04	4.9
1298926	Soil	10.4	22.4	0.44	150.1	0.005	5	1.31	0.004	0.11	<0.1	4.0	0.18	0.09	119	1.2	0.05	4.0
REP 1298926	QC	10.8	22.8	0.46	146.7	0.005	6	1.34	0.004	0.11	<0.1	3.9	0.18	0.09	124	1.0	0.03	4.0
1298957	Soil	7.8	12.4	2.17	97.9	0.005	5	0.67	0.005	0.05	<0.1	3.9	0.22	0.06	137	0.4	<0.02	1.6
REP 1298957	QC	7.7	12.0	2.20	95.2	0.005	5	0.66	0.005	0.05	<0.1	3.8	0.21	0.06	134	0.3	<0.02	1.6
1303179	Soil	21.6	49.7	0.41	110.5	0.006	4	1.09	0.006	0.06	<0.1	7.5	0.20	0.07	682	1.1	<0.02	2.6
REP 1303179	QC	21.4	48.3	0.41	112.3	0.005	5	1.04	0.006	0.06	<0.1	7.4	0.19	0.07	674	1.1	<0.02	2.6
1303286	Soil	14.1	18.3	0.32	137.6	0.010	4	1.07	0.005	0.06	0.1	3.1	0.16	0.07	120	0.5	0.04	2.9
REP 1303286	QC	13.4	18.9	0.33	135.0	0.010	4	1.06	0.005	0.06	0.1	3.1	0.16	0.07	127	0.4	0.04	2.9
1303291	Soil	13.8	24.1	0.48	178.0	0.012	4	1.44	0.005	0.08	0.2	4.3	0.31	0.06	217	0.6	0.05	4.3
REP 1303291	QC	13.3	24.2	0.48	170.1	0.011	4	1.36	0.005	0.08	0.2	4.0	0.31	0.06	219	0.4	0.04	4.0



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		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
1303322	Soil	0.85	45.79	32.19	138.8	194	34.2	14.0	267	3.11	10.2	1.1	2.4	1.3	93.6	0.31	0.71	0.23	32	0.99	0.089
REP 1303322	QC	0.86	44.44	32.08	136.2	172	34.3	14.0	259	3.05	10.0	1.1	1.2	1.3	91.7	0.28	0.69	0.22	32	0.98	0.089
1303327	Soil	0.93	43.60	50.79	144.4	296	34.9	19.8	433	3.75	16.5	0.6	1.5	2.0	76.4	0.47	1.34	0.25	25	2.50	0.065
REP 1303327	QC	0.96	44.38	50.19	146.1	299	35.0	20.3	432	3.76	16.7	0.6	2.0	1.8	77.3	0.51	1.37	0.26	25	2.51	0.066
1303352	Soil	0.31	31.87	10.99	78.6	58	26.0	11.9	365	2.22	6.8	1.4	7.3	4.5	83.4	0.22	0.12	0.14	30	5.14	0.066
REP 1303352	QC	0.29	32.13	10.96	77.9	54	26.6	11.5	369	2.24	6.8	1.4	10.2	4.5	87.1	0.23	0.12	0.15	31	5.23	0.063
1303372	Soil	0.92	19.60	17.37	82.2	134	22.4	7.1	660	2.27	8.5	0.9	2.0	2.1	27.3	0.31	0.64	0.09	43	3.28	0.091
REP 1303372	QC	0.94	20.02	17.93	90.7	139	22.9	7.6	699	2.37	8.8	0.9	2.3	2.4	27.0	0.28	0.59	0.10	45	3.41	0.098
1303412	Soil	0.02	2.89	0.26	3.9	15	0.8	0.8	18	0.25	0.1	<0.1	0.3	<0.1	9.3	<0.01	<0.02	<0.02	8	0.10	0.024
REP 1303412	QC	0.02	2.89	0.23	3.9	10	0.7	0.7	17	0.25	0.4	<0.1	0.3	<0.1	10.0	<0.01	<0.02	<0.02	8	0.10	0.022
Reference Materials																					
STD DS9	Standard	13.81	109.5	118.8	295.4	1941	40.7	7.7	570	2.28	24.0	2.5	118.6	6.4	66.1	2.26	4.97	5.25	39	0.73	0.076
STD DS9	Standard	13.79	108.8	128.4	321.1	1997	39.4	7.7	564	2.24	24.8	2.8	120.6	6.7	67.8	2.44	5.66	5.70	38	0.71	0.081
STD DS9	Standard	13.33	113.2	133.3	329.1	1944	40.7	7.7	599	2.32	25.1	2.9	123.9	6.9	66.7	2.33	5.62	5.82	40	0.72	0.082
STD DS9	Standard	13.68	109.7	119.7	316.0	1854	40.2	7.5	580	2.29	25.2	2.8	120.3	6.4	71.5	2.32	5.56	5.62	42	0.73	0.080
STD DS9	Standard	13.63	105.1	125.4	316.7	1941	41.3	7.7	607	2.40	27.0	2.8	134.0	6.6	71.1	2.66	5.40	6.70	42	0.76	0.084
STD DS9	Standard	12.87	111.8	121.3	301.9	1915	40.8	7.9	565	2.27	25.1	2.8	128.3	6.1	65.2	2.27	5.47	6.28	39	0.70	0.080
STD DS9	Standard	12.88	107.1	124.4	297.1	1826	40.2	7.4	580	2.31	24.8	2.6	116.9	6.6	65.5	2.24	5.01	6.00	43	0.73	0.079
STD DS9	Standard	12.56	107.3	120.1	301.7	1828	39.1	7.4	552	2.27	25.3	2.8	114.9	6.4	77.2	2.43	6.46	7.11	39	0.70	0.083
STD DS9	Standard	12.44	107.1	119.6	297.4	1769	38.4	7.1	551	2.30	24.3	2.7	106.0	6.4	69.9	2.20	5.07	6.75	41	0.74	0.074
STD DS9	Standard	13.61	103.7	130.7	312.8	1943	41.6	7.3	600	2.32	25.2	2.6	127.7	6.2	75.0	2.22	5.59	6.60	40	0.74	0.081
STD DS9	Standard	13.31	112.9	118.6	321.6	1844	42.0	7.8	583	2.34	26.3	2.6	116.0	6.5	68.5	2.39	5.23	6.17	40	0.73	0.083
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	0.1	3	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	0.1	<0.1	3	<0.01	0.4	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Ti ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1
1303322	Soil	10.9	20.8	0.37	100.1	0.006	3	1.14	0.004	0.08	<0.1	4.6	0.13	0.06	90	0.4	0.05	3.2
REP 1303322	QC	11.0	20.6	0.36	101.4	0.006	3	1.15	0.004	0.08	<0.1	4.7	0.13	0.06	78	0.4	<0.02	3.2
1303327	Soil	14.6	12.9	0.18	75.5	0.005	3	0.66	0.003	0.08	<0.1	5.5	0.26	0.04	272	0.4	0.06	1.7
REP 1303327	QC	14.4	12.6	0.18	76.3	0.005	3	0.65	0.003	0.08	<0.1	5.4	0.26	0.04	273	0.4	0.06	1.7
1303352	Soil	22.1	33.0	2.36	40.7	0.003	4	1.62	0.002	0.11	<0.1	4.8	0.08	0.03	32	0.3	0.03	5.1
REP 1303352	QC	23.6	33.8	2.40	43.7	0.003	4	1.63	0.002	0.12	<0.1	4.6	0.08	0.03	18	0.3	<0.02	5.7
1303372	Soil	13.7	23.7	2.15	129.2	0.018	2	1.31	0.008	0.05	0.2	3.4	0.14	<0.02	38	0.2	0.04	3.6
REP 1303372	QC	14.2	24.6	2.21	133.5	0.021	2	1.39	0.009	0.06	0.2	3.7	0.16	<0.02	48	<0.1	0.07	3.8
1303412	Soil	1.0	0.9	0.02	13.1	0.013	<1	0.13	0.054	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6
REP 1303412	QC	1.0	0.9	0.02	14.2	0.013	<1	0.13	0.056	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.5
Reference Materials																		
STD DS9	Standard	12.9	118.2	0.61	295.5	0.112	2	0.96	0.090	0.40	3.0	2.8	5.63	0.16	207	5.4	4.93	4.7
STD DS9	Standard	13.4	118.3	0.60	310.8	0.110	3	0.95	0.092	0.40	3.1	2.6	5.70	0.16	205	5.7	5.25	4.6
STD DS9	Standard	12.8	118.7	0.63	312.0	0.110	2	0.97	0.086	0.40	3.2	2.8	5.67	0.16	208	5.5	5.54	4.9
STD DS9	Standard	13.3	115.1	0.61	309.1	0.106	2	0.97	0.093	0.40	2.9	2.8	5.46	0.16	240	5.1	5.42	4.6
STD DS9	Standard	13.5	118.9	0.65	330.3	0.119	3	1.01	0.088	0.41	3.3	2.8	5.70	0.16	230	5.6	5.42	4.9
STD DS9	Standard	12.3	117.0	0.60	295.8	0.106	3	0.95	0.090	0.40	3.0	2.4	5.48	0.16	221	5.5	5.29	4.4
STD DS9	Standard	13.1	115.6	0.62	287.1	0.109	3	0.99	0.100	0.41	3.0	2.6	5.52	0.16	206	5.2	5.21	4.6
STD DS9	Standard	13.7	113.9	0.61	306.8	0.124	2	0.95	0.081	0.39	3.1	2.5	5.28	0.16	224	5.0	4.83	4.5
STD DS9	Standard	13.7	111.2	0.62	283.9	0.108	3	0.97	0.084	0.39	2.7	2.3	5.13	0.16	193	5.5	4.75	4.4
STD DS9	Standard	13.6	128.7	0.61	291.7	0.107	3	0.96	0.084	0.40	3.2	2.7	6.01	0.17	223	5.6	5.51	5.1
STD DS9	Standard	14.0	119.7	0.62	296.8	0.110	3	0.97	0.085	0.40	3.1	2.4	5.58	0.16	221	5.7	5.33	4.6
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

WHI12000414.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	0.01	0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.02	<0.1	2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000414.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 31, 2012
Report Date: August 21, 2012
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CERTIFICATE OF ANALYSIS

WHI12000496.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-10
P.O. Number: NA-12359
Number of Samples: 40

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

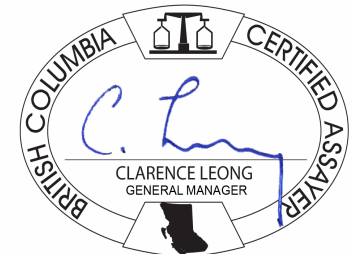
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	40	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	40	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD	4	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000496.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1303482	Rock	1.48	0.04	74.89	8.11	37.1	16	12.2	5.5	393	1.29	0.9	4.1	1.4	0.9	610.4	0.14	0.04	0.12	5	33.87
1303483	Rock	2.50	2.26	103.4	118.8	3429	3616	37.2	6.9	191	18.97	22.2	3.7	0.5	4.2	<0.5	4.40	3.28	0.22	18	0.17
1303484	Rock	2.37	0.58	71.29	105.5	418.6	958	96.7	69.4	5774	5.52	6.0	2.8	<0.2	6.7	21.8	2.67	0.58	0.35	18	0.24
1303485	Rock	2.53	9.65	15.85	7966	2766	391	7.4	1.7	277	25.13	43.7	7.1	<0.2	7.3	51.9	1.14	16.09	<0.02	13	0.37
1303486	Rock	2.03	1.39	1.23	30.12	1224	96	2.4	0.7	82	6.93	49.0	0.8	<0.2	<0.1	15.8	0.18	3.63	<0.02	<2	0.05
1303487	Rock	1.86	1.78	0.76	49.01	4579	57	5.8	1.5	109	24.87	76.1	3.0	<0.2	<0.1	0.8	0.31	5.37	<0.02	5	0.05
1303488	Rock	2.58	1.52	2.95	389.1	7046	532	5.4	1.1	255	31.23	53.9	4.2	<0.2	<0.1	0.8	2.06	11.40	<0.02	7	0.10
1303489	Rock	2.09	0.34	1.18	37.15	3663	106	4.3	0.9	94	18.03	62.6	1.4	<0.2	<0.1	0.9	0.43	1.34	<0.02	4	0.06
1303490	Rock	2.11	1.70	4.78	1621	>10000	1358	3.9	0.9	453	34.18	18.9	4.9	<0.2	<0.1	11.1	4.60	8.91	<0.02	8	0.09
1303491	Rock	1.43	4.47	18.50	4447	>10000	7121	7.9	2.1	408	>40	34.9	5.5	0.8	0.2	6.2	18.54	10.60	<0.02	7	0.08
1303492	Rock	1.49	0.21	62.33	>10000	>10000	5222	6.3	1.1	853	1.32	13.4	1.1	<0.2	0.4	95.3	415.3	6.70	<0.02	7	12.23
1303493	Rock	2.19	0.11	173.8	538.8	427.8	916	130.0	88.9	16	28.77	50.6	<0.1	<0.2	1.1	1.6	1.45	1.47	0.03	10	0.05
1303494	Rock	1.69	0.22	9.18	83.65	197.8	50	11.1	7.5	5498	6.46	3.2	0.6	<0.2	0.5	148.1	0.21	0.17	<0.02	5	19.29
1303495	Rock	2.43	0.24	213.3	270.2	151.6	1550	154.6	158.1	20	28.91	76.1	0.4	13.2	1.3	<0.5	0.14	1.28	0.03	14	0.02
1298561	Rock	1.48	0.26	5.30	79.93	36.0	67	3.8	2.6	680	1.65	2.5	3.2	0.8	2.1	361.0	0.18	0.24	<0.02	7	21.64
1298562	Rock	1.39	0.16	32.01	69.33	221.8	106	4.0	2.3	897	2.40	1.5	3.0	0.5	3.8	248.4	0.77	0.11	<0.02	10	15.11
1298563	Rock	2.01	0.11	4.11	4.58	10.5	37	<0.1	1.0	124	0.25	2.6	5.3	0.4	0.7	545.4	0.18	0.13	<0.02	4	35.98
1298564	Rock	1.20	0.08	3.47	95.82	132.6	23	2.5	2.6	761	1.72	1.5	0.9	0.2	1.7	399.2	0.45	0.08	<0.02	7	22.13
1298565	Rock	1.60	0.38	1.60	9.40	53.9	44	0.6	0.8	204	1.42	8.9	3.8	0.4	0.3	357.9	0.25	0.19	<0.02	2	37.93
1298566	Rock	1.43	0.25	1.40	9.85	12.1	44	0.1	0.6	197	1.22	10.0	2.6	<0.2	0.2	300.2	0.05	0.21	<0.02	2	38.08
1298567	Rock	1.51	1.36	3.78	255.4	3534	283	7.0	4.8	2264	19.70	15.7	2.6	<0.2	0.5	41.9	2.90	1.22	<0.02	5	13.74
1298568	Rock	2.33	0.30	7.75	3394	1664	478	5.5	2.9	1386	1.17	6.5	1.3	<0.2	0.5	142.6	7.88	0.75	<0.02	3	17.34
1298569	Rock	1.99	0.25	0.62	45.47	36.5	25	0.7	0.2	331	0.25	1.0	0.4	<0.2	<0.1	17.4	0.19	0.07	<0.02	<2	5.03
1298570	Rock	1.60	0.91	6.26	35.76	43.4	218	7.8	3.1	262	1.04	2.7	1.7	<0.2	3.0	440.9	0.28	0.12	<0.02	11	13.01
1298571	Rock	1.65	0.27	3.13	53.06	11.4	167	1.0	0.4	68	1.65	7.9	0.5	<0.2	3.5	16.7	0.03	0.28	0.30	8	0.34
1298572	Rock	1.90	0.10	0.80	56.98	259.0	42	0.5	0.3	817	0.21	6.4	1.3	<0.2	<0.1	114.2	3.90	0.34	<0.02	<2	21.59
1298573	Rock	1.28	0.35	42.57	33.27	195.7	91	23.3	12.8	621	2.29	19.4	0.5	<0.2	7.3	54.8	0.27	0.18	0.28	16	0.49
1298574	Rock	1.37	0.11	0.59	116.0	240.7	101	0.8	0.2	752	0.36	1.3	0.9	<0.2	<0.1	31.8	0.94	0.21	<0.02	<2	13.72
1298575	Rock	1.86	0.19	2.34	3.70	10.5	30	0.6	1.2	131	0.39	3.2	7.1	<0.2	0.9	743.4	0.17	0.27	<0.02	3	35.21
1298576	Rock	1.77	0.12	10.74	5.66	25.0	24	8.7	3.3	217	0.77	4.7	3.1	<0.2	2.4	500.4	0.25	0.20	<0.02	11	28.82



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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01	
1303482	Rock	0.004	5.0	2.9	1.23	23.3	<0.001	<1	0.12	0.016	0.02	<0.1	1.4	<0.02	<0.02	<5	0.7	<0.02	0.3		
1303483	Rock	0.062	1.8	14.9	0.19	32.0	<0.001	5	0.95	0.003	0.16	<0.1	4.8	0.08	0.04	4214	1.1	<0.02	3.2		
1303484	Rock	0.044	5.1	14.4	0.38	76.0	0.002	8	2.92	0.002	0.26	<0.1	6.7	0.18	0.07	46	<0.1	<0.02	3.1		
1303485	Rock	0.315	19.3	24.3	0.14	19.4	0.003	<1	0.31	<0.001	<0.01	<0.1	2.3	2.33	0.07	1807	1.2	<0.02	6.1		
1303486	Rock	0.012	0.9	1.8	0.01	3.2	<0.001	<1	0.03	<0.001	<0.01	<0.1	0.4	0.24	<0.02	141	<0.1	<0.02	<0.1		
1303487	Rock	0.012	1.1	1.1	0.02	4.2	<0.001	<1	0.04	0.001	<0.01	<0.1	0.3	0.47	<0.02	335	0.3	<0.02	0.1		
1303488	Rock	0.046	<0.5	0.9	0.05	8.6	<0.001	<1	<0.01	0.001	<0.01	<0.1	0.3	1.58	0.03	2391	0.4	<0.02	0.4		
1303489	Rock	0.031	0.8	1.1	0.03	3.1	<0.001	<1	0.02	<0.001	<0.01	<0.1	0.3	0.26	<0.02	357	0.2	<0.02	<0.1		
1303490	Rock	0.066	1.2	2.2	0.09	11.1	<0.001	<1	0.04	0.001	<0.01	<0.1	0.5	2.88	0.05	8660	0.6	<0.02	0.7	0.19	1.42
1303491	Rock	0.103	1.6	2.5	0.06	4.8	<0.001	<1	0.04	0.002	<0.01	<0.1	0.8	2.61	0.07	34056	2.1	<0.02	2.7	0.54	4.36
1303492	Rock	0.064	0.8	3.6	5.80	23.2	<0.001	1	0.07	0.005	0.03	<0.1	1.4	0.10	0.19	21448	11.0	<0.02	13.6	2.28	11.93
1303493	Rock	0.003	<0.5	5.1	0.16	1.3	<0.001	2	0.57	0.003	0.09	<0.1	1.3	1.66	>10	144	<0.1	<0.02	1.7		
1303494	Rock	0.012	3.0	1.6	7.47	29.3	<0.001	3	0.07	0.012	0.03	<0.1	1.1	0.20	1.24	60	0.3	<0.02	0.4		
1303495	Rock	0.003	0.7	6.1	0.18	1.0	0.001	5	0.68	0.004	0.11	<0.1	2.0	1.51	>10	272	5.3	<0.02	2.0		
1298561	Rock	0.027	7.2	3.2	5.17	17.7	<0.001	2	0.16	0.012	0.08	<0.1	1.6	0.05	0.05	31	0.5	<0.02	0.4		
1298562	Rock	0.027	7.6	4.3	5.70	25.9	<0.001	6	0.22	0.008	0.15	<0.1	2.6	0.04	0.09	133	0.6	<0.02	0.7		
1298563	Rock	0.014	5.4	1.5	0.23	14.5	<0.001	<1	0.07	0.002	0.03	<0.1	0.8	<0.02	<0.02	28	<0.1	0.03	0.1		
1298564	Rock	0.015	7.9	3.3	5.71	15.4	<0.001	2	0.11	0.009	0.05	<0.1	1.4	<0.02	0.06	67	0.1	0.03	0.2		
1298565	Rock	0.007	4.1	0.9	0.17	13.0	<0.001	<1	0.03	0.004	0.01	<0.1	0.5	0.30	<0.02	52	0.3	0.07	0.2		
1298566	Rock	0.004	3.7	0.5	0.11	10.9	<0.001	<1	0.03	0.005	<0.01	<0.1	0.4	0.47	<0.02	27	0.3	<0.02	<0.1		
1298567	Rock	0.087	2.5	1.4	1.74	5.4	<0.001	<1	0.08	0.002	0.02	<0.1	0.9	23.77	7.00	1808	0.3	<0.02	0.6		
1298568	Rock	0.030	1.0	2.4	9.38	10.9	<0.001	<1	0.10	0.005	<0.01	<0.1	1.1	0.38	0.07	5744	<0.1	<0.02	0.5		
1298569	Rock	0.010	<0.5	3.2	2.50	1.8	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.1	0.15	<0.02	332	<0.1	<0.02	<0.1		
1298570	Rock	0.035	8.7	7.0	6.77	19.4	0.001	3	0.26	0.007	0.14	<0.1	2.2	0.06	0.04	94	0.3	<0.02	0.8		
1298571	Rock	0.020	2.8	6.3	0.24	54.2	<0.001	13	0.46	0.006	0.54	<0.1	1.3	0.73	0.51	285	<0.1	<0.02	2.2		
1298572	Rock	0.055	1.2	0.7	11.83	5.6	<0.001	<1	0.03	0.006	<0.01	<0.1	0.2	0.05	<0.02	6581	<0.1	0.03	0.1		
1298573	Rock	0.040	2.8	11.3	0.27	52.6	<0.001	10	0.70	0.004	0.35	<0.1	6.6	1.87	0.04	351	<0.1	0.13	2.2		
1298574	Rock	0.017	0.5	0.6	7.59	2.4	<0.001	<1	<0.01	0.005	<0.01	<0.1	<0.1	0.25	<0.02	633	<0.1	<0.02	<0.1		
1298575	Rock	0.009	3.8	1.6	0.71	1452	<0.001	<1	0.09	0.003	0.05	<0.1	0.9	0.07	0.02	212	<0.1	<0.02	0.2		
1298576	Rock	0.018	13.8	10.3	1.18	127.9	<0.001	<1	0.25	0.010	0.07	<0.1	2.2	0.04	<0.02	80	<0.1	<0.02	0.7		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000496.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1298577	Rock	1.46	0.15	9.67	5.72	46.2	16	13.5	4.5	255	1.87	8.2	2.7	0.5	3.3	380.2	0.13	0.25	<0.02	18	19.29
1298578	Rock	1.61	2.44	1.69	23.26	933.3	53	1.2	0.5	486	0.18	4.3	1.4	<0.2	0.2	124.6	4.65	0.20	<0.02	5	14.38
1298579	Rock	1.71	16.49	2.47	>10000	>10000	102	4.8	1.4	716	14.50	41.9	3.9	<0.2	0.5	154.8	47.46	2.26	<0.02	5	11.09
1298580	Rock	1.96	11.28	17.07	900.1	8547	709	11.2	2.7	653	>40	33.9	4.1	5.3	1.2	71.6	3.81	5.15	0.08	<2	0.30
1298581	Rock	1.98	0.35	22.83	4.23	41.7	28	23.1	8.1	473	1.26	1.7	3.1	2.5	2.0	263.4	0.24	0.16	0.05	5	14.07
1298582	Rock	1.70	0.36	12.39	14.98	30.1	187	12.2	4.2	48	1.34	6.3	0.5	1.6	3.1	7.5	0.07	0.34	0.16	5	0.14
1298583	Rock	1.89	0.57	10.70	16.97	22.7	114	10.7	2.6	58	1.89	8.2	0.4	0.7	2.5	5.9	0.04	0.43	0.11	4	0.07
1298584	Rock	1.72	0.46	10.41	10.24	27.2	127	9.9	3.7	42	1.12	5.6	0.6	0.5	3.2	14.5	0.07	0.24	0.15	7	0.16
1298585	Rock	1.84	0.31	8.22	10.82	8.2	120	5.5	1.7	39	1.34	5.6	0.4	0.3	2.5	2.8	<0.01	0.24	0.11	4	0.02
1298586	Rock	2.30	0.19	9.25	7.74	42.4	79	5.5	2.1	48	1.04	4.5	0.4	1.2	2.9	4.8	0.04	0.14	0.12	3	0.04



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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000496.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1298577	Rock	0.025	12.6	16.3	3.60	280.6	<0.001	2	0.43	0.051	0.10	<0.1	2.8	0.09	<0.02	238	0.5	0.03	1.5	
1298578	Rock	0.023	1.7	1.4	7.74	9.9	<0.001	<1	0.04	0.005	0.01	<0.1	0.3	0.20	<0.02	392	0.1	0.03	0.3	
1298579	Rock	0.041	1.8	2.9	5.76	17.0	<0.001	<1	0.13	0.004	0.03	<0.1	0.9	2.43	0.26	7453	1.8	0.04	1.3	3.11 3.48
1298580	Rock	0.063	1.7	7.2	0.23	27.7	<0.001	3	0.18	<0.001	0.07	<0.1	1.4	8.97	0.07	4883	0.3	0.04	1.3	
1298581	Rock	0.022	8.4	11.2	6.86	2090	0.001	2	0.32	0.023	0.13	<0.1	2.4	0.09	0.06	60	0.5	<0.02	1.0	
1298582	Rock	0.005	4.2	8.9	0.12	113.6	<0.001	6	0.45	0.004	0.23	<0.1	1.1	0.05	0.45	21	0.4	<0.02	1.3	
1298583	Rock	0.032	3.9	12.8	0.11	32.7	<0.001	6	0.50	0.005	0.19	<0.1	0.9	0.04	0.80	21	0.3	<0.02	1.4	
1298584	Rock	0.059	4.9	9.1	0.11	62.0	<0.001	7	0.46	0.004	0.23	<0.1	1.1	0.05	0.33	17	0.3	<0.02	1.4	
1298585	Rock	0.003	3.4	9.6	0.08	31.2	<0.001	5	0.33	0.004	0.18	<0.1	0.7	0.04	0.48	13	0.2	<0.02	1.2	
1298586	Rock	0.004	4.6	9.4	0.11	72.5	<0.001	5	0.40	0.004	0.17	<0.1	0.8	0.03	0.05	11	<0.1	<0.02	1.3	



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Project: CAR
Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000496.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1303494	Rock	1.69	0.22	9.18	83.65	197.8	50	11.1	7.5	5498	6.46	3.2	0.6	<0.2	0.5	148.1	0.21	0.17	<0.02	5	19.29
REP 1303494	QC		0.18	7.59	74.99	171.2	34	10.0	6.8	5246	5.91	3.0	0.6	<0.2	0.5	142.0	0.23	0.15	<0.02	5	18.39
1298577	Rock	1.46	0.15	9.67	5.72	46.2	16	13.5	4.5	255	1.87	8.2	2.7	0.5	3.3	380.2	0.13	0.25	<0.02	18	19.29
REP 1298577	QC		0.14	9.80	6.46	46.8	23	12.4	4.7	255	1.86	8.1	2.8	<0.2	3.5	374.3	0.16	0.24	<0.02	18	19.02
1298582	Rock	1.70	0.36	12.39	14.98	30.1	187	12.2	4.2	48	1.34	6.3	0.5	1.6	3.1	7.5	0.07	0.34	0.16	5	0.14
REP 1298582	QC		0.33	11.69	14.83	28.1	180	11.4	4.0	45	1.29	6.1	0.4	0.8	3.0	6.9	0.06	0.34	0.15	5	0.10
1298586	Rock	2.30	0.19	9.25	7.74	42.4	79	5.5	2.1	48	1.04	4.5	0.4	1.2	2.9	4.8	0.04	0.14	0.12	3	0.04
REP 1298586	QC		0.19	9.05	7.55	41.7	77	5.6	2.1	49	1.05	4.6	0.4	0.4	2.8	4.9	0.05	0.14	0.12	4	0.04
Core Reject Duplicates																					
1298568	Rock	2.33	0.30	7.75	3394	1664	478	5.5	2.9	1386	1.17	6.5	1.3	<0.2	0.5	142.6	7.88	0.75	<0.02	3	17.34
DUP 1298568	QC		0.31	8.44	3624	1736	477	5.4	2.8	1375	1.28	7.0	1.4	<0.2	0.6	135.4	8.36	0.81	<0.02	3	17.04
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard		13.01	109.2	128.1	338.6	2009	40.1	7.1	572	2.29	24.0	2.4	121.8	5.6	71.8	2.20	5.30	6.25	36	0.70
STD DS9	Standard		13.94	108.6	121.7	299.9	1800	42.0	7.7	564	2.33	25.5	2.9	109.8	6.8	82.4	2.24	4.93	5.32	40	0.72
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	0.06	0.05	1.7	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.22	3.41	4.45	44.7	50	2.5	4.0	569	1.99	0.5	1.9	2.0	6.5	85.5	0.03	0.05	0.17	37	0.60
G1-WHI	Prep Blank		0.17	2.71	3.21	42.8	23	2.8	3.8	606	2.11	8.9	1.8	2.6	6.3	83.0	0.02	0.03	0.07	37	0.52



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Project: CAR
Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000496.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Pb	Zn
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
Pulp Duplicates																				
1303494	Rock	0.012	3.0	1.6	7.47	29.3	<0.001	3	0.07	0.012	0.03	<0.1	1.1	0.20	1.24	60	0.3	<0.02	0.4	
REP 1303494	QC	0.012	2.9	1.4	7.14	28.2	<0.001	2	0.06	0.012	0.03	<0.1	1.0	0.13	0.90	95	0.3	<0.02	0.4	
1298577	Rock	0.025	12.6	16.3	3.60	280.6	<0.001	2	0.43	0.051	0.10	<0.1	2.8	0.09	<0.02	238	0.5	0.03	1.5	
REP 1298577	QC	0.024	13.1	16.4	3.58	283.2	0.001	4	0.43	0.051	0.10	<0.1	2.9	0.10	<0.02	242	0.5	<0.02	1.5	
1298582	Rock	0.005	4.2	8.9	0.12	113.6	<0.001	6	0.45	0.004	0.23	<0.1	1.1	0.05	0.45	21	0.4	<0.02	1.3	
REP 1298582	QC	0.005	4.1	8.4	0.12	114.2	<0.001	6	0.42	0.004	0.22	<0.1	1.0	0.05	0.44	19	0.4	<0.02	1.2	
1298586	Rock	0.004	4.6	9.4	0.11	72.5	<0.001	5	0.40	0.004	0.17	<0.1	0.8	0.03	0.05	11	<0.1	<0.02	1.3	
REP 1298586	QC	0.004	4.6	9.9	0.11	70.7	<0.001	5	0.44	0.004	0.17	<0.1	0.9	0.03	0.06	12	<0.1	<0.02	1.2	
Core Reject Duplicates																				
1298568	Rock	0.030	1.0	2.4	9.38	10.9	<0.001	<1	0.10	0.005	<0.01	<0.1	1.1	0.38	0.07	5744	<0.1	<0.02	0.5	
DUP 1298568	QC	0.032	1.0	2.6	9.11	10.7	<0.001	1	0.11	0.005	<0.01	<0.1	1.3	0.43	0.07	5231	0.3	0.04	0.5	
Reference Materials																				
STD CDN-ME-9	Standard																		<0.02	<0.01
STD CDN-ME-14	Standard																		0.51	3.38
STD DS9	Standard	0.086	11.0	117.8	0.61	313.4	0.107	3	0.91	0.078	0.39	3.1	2.3	5.90	0.17	232	5.6	5.26	4.7	
STD DS9	Standard	0.078	15.0	115.2	0.62	286.2	0.118	2	0.96	0.084	0.40	2.6	2.4	4.97	0.15	187	5.2	4.91	4.7	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD CDN-ME-9 Expected																				0.0125
STD CDN-ME-14 Expected																			0.495	3.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.02	<0.01
Prep Wash																				
G1-WHI	Prep Blank	0.069	16.4	6.4	0.51	164.1	0.134	3	1.01	0.133	0.50	<0.1	2.7	0.34	<0.02	<5	0.2	0.02	5.3	
G1-WHI	Prep Blank	0.073	15.4	5.8	0.48	160.0	0.125	1	0.96	0.119	0.49	<0.1	2.3	0.31	<0.02	<5	<0.1	<0.02	5.2	



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 31, 2012
Report Date: August 15, 2012
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CERTIFICATE OF ANALYSIS

WHI12000497.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-9
P.O. Number: NA-12359
Number of Samples: 305

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	305	Dry at 60C			WHI
SS80	304	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	305	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	304	Saving all or part of Soil Reject			WHI
7TD	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1298959	Soil	1.25	17.52	400.9	2495	352	19.3	13.0	2559	5.69	23.8	0.9	3.9	3.3	17.1	15.88	3.28	0.30	43	0.79	0.063
1298960	Soil	2.02	20.87	127.5	227.9	835	24.2	12.0	2541	4.50	36.6	0.9	3.0	1.8	41.3	1.65	6.20	0.14	34	10.87	0.050
1298961	Soil	1.41	32.63	24.89	117.7	73	41.4	15.0	880	4.16	20.5	3.2	4.5	4.4	10.0	0.33	1.71	0.28	43	0.12	0.064
1298962	Soil	1.08	29.61	45.94	135.3	134	30.7	16.5	1245	5.41	18.4	0.9	2.0	3.8	19.3	0.45	1.82	0.24	29	2.16	0.062
1298963	Soil	1.03	20.95	21.54	89.4	104	25.6	12.2	657	3.40	10.7	0.7	3.0	1.0	16.3	0.30	0.93	0.24	42	0.78	0.090
1298964	Soil	0.91	18.48	46.19	119.4	86	22.8	10.9	799	3.73	14.9	0.7	1.7	2.5	25.3	0.88	1.66	0.20	33	3.54	0.050
1298965	Soil	1.03	25.64	40.56	122.7	211	26.7	13.1	1008	3.98	15.2	0.8	2.7	2.8	19.7	0.45	1.69	0.24	39	1.44	0.085
1298966	Soil	0.90	17.58	80.38	906.0	253	17.7	11.0	1709	4.62	16.3	0.8	1.5	1.7	41.2	3.08	1.78	0.15	25	7.43	0.062
1298967	Soil	1.01	19.79	60.54	161.8	243	21.0	11.9	1807	5.21	20.7	0.9	1.7	2.8	15.5	0.80	2.93	0.19	32	2.30	0.061
1298968	Soil	1.19	18.43	61.89	168.2	212	22.4	13.7	2434	6.55	22.2	0.8	1.5	2.5	10.7	0.94	3.71	0.24	36	0.84	0.063
1298969	Soil	2.16	26.30	69.99	242.0	286	16.4	15.6	2265	6.21	26.0	0.7	1.4	0.7	8.6	1.06	3.97	0.22	24	0.15	0.070
1298970	Soil	2.04	29.94	69.52	178.7	654	30.4	17.1	1823	5.26	33.4	1.3	3.4	3.3	23.3	0.96	6.04	0.26	36	1.57	0.128
1298971	Soil	0.45	6.14	30.53	91.6	147	8.1	4.2	1786	2.01	10.1	0.5	0.9	0.3	24.5	0.61	2.77	0.06	16	12.92	0.089
1298972	Soil	0.93	10.81	50.73	197.5	242	15.3	8.3	1599	2.80	17.8	1.4	1.5	0.9	30.2	0.72	3.40	0.16	38	6.04	0.196
1298973	Soil	1.03	15.24	44.55	98.4	150	21.4	12.1	1350	3.42	18.2	1.2	1.4	1.0	19.5	0.29	2.11	0.24	50	1.01	0.121
1298974	Soil	0.78	8.66	59.56	207.6	220	12.3	6.6	3271	3.31	67.7	1.2	0.7	0.5	34.0	1.26	23.65	0.12	28	9.71	0.159
1298975	Soil	0.76	12.11	40.47	151.0	332	14.6	7.1	5031	3.84	28.9	0.8	1.3	0.9	40.1	1.42	6.87	0.09	21	9.67	0.111
1298976	Soil	1.31	25.21	38.04	132.7	373	24.9	11.5	1008	3.48	25.4	1.3	2.0	1.6	29.1	0.26	2.45	0.23	38	1.21	0.181
1298977	Soil	0.95	20.06	38.39	147.8	245	21.9	12.3	1161	3.97	17.4	0.8	1.8	2.0	16.2	0.51	1.88	0.19	33	2.00	0.069
1298978	Soil	0.56	11.29	57.88	174.7	95	12.2	7.5	1521	4.24	9.4	0.6	0.5	1.8	9.6	0.56	0.83	0.19	33	0.83	0.071
1298979	Soil	0.90	26.41	38.01	117.0	193	23.0	12.9	1405	5.58	20.9	0.8	1.7	3.9	16.7	0.32	1.90	0.20	30	1.71	0.049
1298980	Soil	0.82	18.55	34.88	89.7	167	16.9	10.0	898	4.25	12.2	0.7	1.4	1.6	17.6	0.23	0.93	0.25	39	1.63	0.080
1298981	Soil	1.19	11.43	25.59	117.2	80	7.7	5.1	827	3.54	9.9	0.8	<0.2	1.0	47.9	0.46	0.84	0.10	21	11.54	0.027
1298982	Soil	0.97	29.72	36.31	78.1	271	23.1	11.9	950	5.86	19.1	0.8	1.6	2.1	11.9	0.71	1.18	0.21	31	0.71	0.067
1298983	Soil	0.83	20.99	33.58	92.5	107	17.2	12.8	1480	4.86	14.0	0.6	1.5	1.9	10.8	0.33	1.02	0.27	33	0.99	0.057
1298984	Soil	1.06	20.91	39.05	88.0	158	24.4	14.5	1625	4.92	18.9	0.9	1.6	2.5	13.9	0.29	1.14	0.20	35	1.07	0.079
1298985	Soil	0.99	27.17	45.09	165.3	192	24.9	13.1	1310	4.09	19.9	0.7	1.7	2.3	19.8	0.79	2.04	0.20	34	2.30	0.074
1298986	Soil	0.46	16.84	53.57	53.8	191	11.5	9.8	1894	4.55	13.5	0.3	0.6	1.6	22.8	0.33	1.10	0.13	13	7.39	0.042
1298987	Soil	0.71	14.82	40.96	110.5	195	18.1	11.0	1366	3.68	15.1	0.8	1.3	1.0	20.7	0.68	1.29	0.22	34	2.70	0.110
1298988	Soil	1.03	18.80	33.63	156.8	166	22.3	11.7	984	4.10	16.4	1.8	1.3	1.4	14.1	0.87	1.67	0.22	36	0.88	0.070

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
			0.5	0.5	0.01	0.5	0.001			1	0.01	0.001	0.01		5	0.1	0.02	0.1	0.01
1298959	Soil		10.9	26.6	0.40	215.2	0.005	2	2.24	0.002	0.06	0.2	4.9	0.38	0.02	489	0.5	0.07	4.6
1298960	Soil		17.0	11.9	6.13	134.3	0.001	4	0.38	0.009	0.03	0.1	7.6	0.47	0.03	229	1.0	<0.02	0.6
1298961	Soil		17.2	30.7	0.52	209.7	0.013	3	2.20	0.003	0.08	0.2	5.8	0.30	<0.02	60	1.0	0.05	4.7
1298962	Soil		13.6	22.3	1.36	308.8	0.002	4	1.76	0.003	0.08	<0.1	5.9	0.32	0.03	83	0.5	0.02	3.2
1298963	Soil		13.2	24.7	0.77	218.1	0.009	3	1.60	0.005	0.06	0.2	2.7	0.22	0.02	70	0.4	0.05	4.9
1298964	Soil		9.9	21.3	2.22	154.4	0.007	4	1.54	0.005	0.06	0.2	4.0	0.24	0.02	111	0.5	0.04	3.6
1298965	Soil		13.8	21.3	0.99	201.2	0.008	3	1.34	0.006	0.06	0.2	5.3	0.24	<0.02	112	0.6	0.05	3.9
1298966	Soil		9.8	14.6	4.33	170.4	0.003	8	0.89	0.009	0.05	0.1	4.9	0.31	0.03	210	0.6	<0.02	1.8
1298967	Soil		14.7	22.3	1.40	213.9	0.005	4	1.60	0.003	0.06	0.1	7.1	0.36	0.03	110	0.6	<0.02	2.7
1298968	Soil		13.8	20.1	0.64	292.7	0.005	3	1.44	0.002	0.06	0.1	6.1	0.39	0.02	130	0.4	0.04	3.5
1298969	Soil		7.6	11.2	0.11	114.9	0.006	1	0.61	0.002	0.04	0.1	3.4	0.60	0.03	179	0.6	0.03	2.1
1298970	Soil		14.3	23.7	0.78	342.5	0.005	3	1.86	0.003	0.08	0.2	6.5	0.82	0.03	210	0.6	0.08	3.7
1298971	Soil		4.6	8.6	7.69	92.6	0.007	1	0.68	0.009	0.02	<0.1	1.1	0.10	0.03	88	0.5	<0.02	1.5
1298972	Soil		9.7	19.3	3.39	144.1	0.012	3	1.45	0.008	0.05	0.2	2.8	0.22	0.05	190	0.5	0.03	3.7
1298973	Soil		12.9	27.7	0.56	201.6	0.012	1	1.83	0.004	0.05	0.1	3.1	0.26	0.06	102	0.5	0.09	5.5
1298974	Soil		8.0	14.8	5.36	373.2	0.009	2	1.20	0.011	0.03	0.9	1.8	0.14	0.05	132	0.7	0.05	2.9
1298975	Soil		7.5	12.4	5.70	285.0	0.009	3	0.94	0.011	0.04	0.2	2.1	0.23	0.03	185	0.6	<0.02	2.2
1298976	Soil		14.6	22.4	0.62	226.1	0.008	2	1.44	0.005	0.07	0.2	4.5	0.63	0.04	233	0.7	0.08	4.2
1298977	Soil		15.1	21.5	1.26	180.7	0.008	4	1.21	0.004	0.07	0.1	5.0	0.22	0.03	94	0.4	0.03	3.3
1298978	Soil		13.0	18.2	0.54	197.9	0.004	3	1.14	0.002	0.06	<0.1	4.8	0.23	0.04	55	0.4	0.03	2.8
1298979	Soil		15.3	20.3	1.12	226.4	0.002	4	1.33	0.003	0.08	<0.1	8.2	0.29	<0.02	125	0.7	0.04	3.1
1298980	Soil		11.5	19.9	0.92	227.3	0.006	4	1.27	0.004	0.06	0.1	4.8	0.27	0.04	81	0.5	0.06	3.6
1298981	Soil		5.4	8.4	6.78	91.2	0.004	12	0.24	0.013	0.04	<0.1	3.2	0.39	0.03	74	0.4	<0.02	0.7
1298982	Soil		15.3	20.7	0.41	175.0	0.003	3	1.28	0.002	0.08	<0.1	6.3	0.23	0.04	87	0.5	0.02	3.0
1298983	Soil		13.2	19.1	0.60	177.4	0.004	2	1.01	0.002	0.06	<0.1	6.3	0.25	0.03	64	0.4	0.04	2.7
1298984	Soil		17.1	25.0	0.82	194.8	0.007	3	1.76	0.003	0.06	0.2	5.9	0.23	0.03	78	0.5	0.04	3.5
1298985	Soil		15.4	19.3	1.47	289.9	0.008	4	1.17	0.005	0.09	0.1	5.7	0.29	0.02	129	0.6	0.08	3.3
1298986	Soil		5.0	6.1	4.19	94.8	<0.001	2	0.22	0.006	0.03	<0.1	5.8	0.37	0.04	59	0.4	0.04	0.4
1298987	Soil		12.9	20.6	1.50	205.0	0.007	6	1.33	0.006	0.07	<0.1	3.5	0.25	0.07	96	0.6	0.02	3.3
1298988	Soil		14.2	23.7	0.65	232.0	0.010	3	1.31	0.004	0.06	0.1	4.5	0.24	0.04	80	0.4	0.07	3.7

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Project: CAR
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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298989	Soil			1.19	20.38	30.34	123.1	151	28.5	11.8	1137	4.53	16.6	0.8	2.4	2.0	12.3	0.63	1.57	0.23	41	0.44	0.062
1298990	Rock Pulp			0.01	2.79	0.21	4.3	12	0.7	0.9	20	0.29	0.5	<0.1	<0.2	<0.1	11.3	<0.01	<0.02	<0.02	9	0.12	0.027
1298991	Soil			0.52	7.61	68.38	515.8	79	8.2	4.1	661	1.13	12.0	0.3	0.8	0.2	32.3	1.28	1.49	0.05	11	13.90	0.052
1298992	Soil			0.69	43.30	43.47	152.0	178	32.7	19.0	701	3.97	16.8	0.6	1.0	1.3	125.8	0.61	0.63	0.26	24	4.26	0.074
1298993	Soil			0.90	27.15	45.52	191.0	264	25.1	13.8	899	2.99	25.2	1.0	1.9	0.9	84.9	0.94	2.41	0.22	35	2.55	0.107
1298994	Soil			1.27	17.66	39.99	200.6	251	25.9	12.4	1328	3.66	26.1	1.5	1.6	1.7	26.8	0.53	3.66	0.24	51	0.99	0.102
1298995	Soil			1.08	12.89	50.49	236.2	305	18.8	9.2	1535	3.56	17.9	1.4	2.2	0.8	33.1	1.10	6.49	0.32	48	1.85	0.094
1298996	Soil			1.26	25.65	61.50	207.9	457	26.0	11.6	1209	3.42	22.8	3.3	2.6	0.6	35.6	1.15	4.31	0.33	42	1.83	0.168
1298997	Soil			1.21	31.73	52.69	165.8	320	34.2	15.2	1021	3.41	25.1	1.2	2.5	3.2	32.1	0.43	2.95	0.28	38	1.23	0.078
1298998	Soil			1.24	27.93	48.11	193.0	213	29.4	14.0	719	3.54	22.0	2.0	1.8	1.3	29.7	0.59	2.80	0.33	43	1.04	0.121
1298999	Soil			1.15	29.51	49.72	150.7	249	32.2	16.5	1321	3.72	17.5	1.4	1.6	2.8	34.1	0.44	3.07	0.27	37	1.75	0.107
1299000	Soil			1.10	24.88	36.88	121.2	152	24.2	11.6	524	2.93	16.1	1.1	2.2	2.1	35.9	0.31	1.76	0.28	38	1.95	0.087
1303181	Soil			0.55	36.86	18.65	112.7	67	27.7	19.8	787	4.07	9.8	0.8	0.8	1.7	21.6	0.14	0.41	0.35	21	0.36	0.205
1303182	Soil			1.00	22.08	26.94	77.8	175	19.0	10.1	419	3.95	10.1	0.9	1.9	0.4	12.0	0.19	0.59	0.35	34	0.16	0.140
1303183	Soil			0.89	24.08	44.96	194.7	141	25.6	11.7	431	2.78	12.3	1.5	0.6	1.5	45.2	0.82	0.39	0.34	14	1.63	0.139
1303184	Soil			1.42	20.56	29.44	317.6	147	32.5	16.2	982	3.36	13.5	1.1	0.4	1.0	47.0	1.26	0.53	0.21	20	5.01	0.173
1303185	Soil			0.75	21.16	43.17	121.1	110	23.6	10.5	445	2.83	12.7	1.0	0.9	2.9	34.9	0.23	0.39	0.31	16	0.69	0.142
1303186	Soil			1.11	23.38	34.89	136.0	120	29.5	14.8	1070	3.29	13.2	1.1	1.6	2.6	66.9	0.68	0.45	0.27	20	3.75	0.147
1303187	Soil			2.05	23.56	29.86	122.9	119	25.0	13.1	908	3.25	12.3	1.4	1.4	0.3	25.5	0.29	0.48	0.35	29	0.50	0.218
1303188	Soil			1.99	33.46	33.85	108.0	187	33.0	19.7	1243	3.91	11.8	1.2	0.9	1.8	29.1	0.48	0.52	0.34	29	0.34	0.182
1303189	Soil			0.91	40.68	29.43	83.4	90	28.3	33.8	2143	4.88	5.6	1.1	7.7	1.7	9.7	0.29	0.45	0.59	33	0.27	0.153
1303190	Soil			0.83	34.98	92.47	457.1	257	28.2	12.5	695	3.29	74.3	3.5	1.5	1.4	75.8	0.89	3.38	0.29	43	1.37	0.149
1303191	Soil			0.54	28.12	20.07	114.9	79	26.1	10.0	567	3.07	5.7	1.6	6.3	2.4	17.4	0.39	0.25	0.23	35	0.51	0.080
1303192	Soil			0.96	25.53	23.23	135.8	40	33.9	13.1	749	3.22	9.8	2.1	3.1	3.1	14.3	0.41	0.57	0.29	49	0.19	0.062
1303193	Soil			0.71	32.61	22.38	101.9	29	37.8	14.4	571	3.30	7.6	1.4	2.1	4.8	11.0	0.19	0.36	0.24	43	0.36	0.047
1303194	Soil			1.62	18.10	25.23	88.5	1025	23.6	10.5	411	2.46	12.7	1.3	2.5	3.3	16.7	0.31	0.39	0.17	23	0.37	0.048
1303195	Soil			0.81	28.63	72.32	104.5	40	34.2	19.7	808	3.29	7.0	0.9	0.8	6.0	8.1	0.17	0.28	0.35	27	0.27	0.028
1303196	Soil			1.10	19.66	48.98	131.7	45	22.5	19.7	1539	3.71	8.6	0.7	<0.2	1.7	10.4	0.14	0.43	0.41	36	0.45	0.077
1303197	Soil			1.04	23.09	47.85	91.2	93	28.4	19.5	1358	3.58	8.8	1.0	0.5	2.0	9.5	0.14	0.42	0.37	30	0.35	0.108
1303198	Soil			1.02	24.41	33.80	97.7	44	23.5	14.2	788	3.32	6.7	1.0	0.6	1.7	9.5	0.17	0.33	0.36	31	0.35	0.094



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02
1298989	Soil	17.1	26.1	0.54	163.9	0.013	2	1.64	0.004	0.06	0.2	5.0	0.27	0.03	94	0.6	0.07	4.1	
1298990	Rock Pulp	1.0	1.3	0.03	13.8	0.014	<1	0.14	0.067	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.7	
1298991	Soil	3.4	7.3	7.49	59.2	0.005	3	0.42	0.018	0.03	<0.1	0.8	0.30	0.04	58	0.4	0.03	1.2	
1298992	Soil	17.1	16.0	0.39	109.8	0.005	4	0.84	0.004	0.09	<0.1	5.4	0.72	0.05	248	0.7	0.09	2.3	
1298993	Soil	14.2	22.2	0.40	194.3	0.014	4	1.26	0.006	0.07	0.2	4.0	0.26	0.08	185	0.9	0.08	3.8	
1298994	Soil	15.5	31.1	0.51	243.4	0.021	1	1.87	0.005	0.06	0.3	3.9	0.32	0.05	161	0.7	0.03	5.7	
1298995	Soil	14.6	25.0	0.78	191.8	0.015	2	1.65	0.005	0.05	0.1	2.3	0.20	0.07	216	0.3	0.07	4.7	
1298996	Soil	18.0	26.3	0.75	188.3	0.011	2	1.59	0.005	0.06	0.2	1.9	0.22	0.11	339	0.8	0.04	4.6	
1298997	Soil	17.9	24.0	0.83	166.7	0.011	3	1.40	0.006	0.07	0.2	4.8	0.25	0.03	124	0.5	0.03	4.0	
1298998	Soil	12.9	28.7	0.52	195.4	0.010	2	1.66	0.004	0.08	0.1	3.3	0.24	0.07	170	0.6	0.06	4.9	
1298999	Soil	18.6	25.2	1.09	179.3	0.012	3	1.59	0.006	0.07	0.1	4.6	0.23	0.03	104	0.1	0.06	3.8	
1299000	Soil	13.8	23.8	0.99	156.9	0.010	2	1.41	0.005	0.07	0.1	4.0	0.26	0.04	100	0.3	0.04	4.4	
1303181	Soil	5.2	24.1	0.42	92.2	0.003	6	1.38	0.001	0.17	<0.1	1.5	0.12	0.05	30	0.3	0.06	5.1	
1303182	Soil	9.4	23.5	0.26	68.5	0.007	3	1.19	0.002	0.12	<0.1	0.8	0.14	0.08	67	0.6	<0.02	5.7	
1303183	Soil	9.8	12.8	0.25	128.2	0.003	5	0.94	0.007	0.12	<0.1	2.8	0.11	0.18	74	0.5	0.03	2.3	
1303184	Soil	11.6	11.1	2.50	91.8	0.005	5	0.94	0.006	0.08	<0.1	5.3	0.16	0.09	48	0.5	0.06	1.9	
1303185	Soil	10.1	14.0	0.25	125.4	0.004	3	0.86	0.005	0.13	<0.1	2.9	0.13	0.13	57	0.4	0.03	2.6	
1303186	Soil	12.4	14.1	1.17	122.8	0.005	5	1.00	0.009	0.10	<0.1	4.8	0.13	0.10	50	0.5	0.04	2.5	
1303187	Soil	7.3	19.7	0.31	178.2	0.002	3	1.32	0.006	0.12	<0.1	0.5	0.19	0.12	44	0.3	0.06	4.1	
1303188	Soil	11.5	23.5	0.38	145.3	0.004	4	1.58	0.012	0.14	<0.1	2.0	0.24	0.17	66	0.8	0.07	4.3	
1303189	Soil	8.2	29.8	0.43	100.8	0.007	5	1.89	0.003	0.16	<0.1	1.7	0.13	0.09	29	0.5	0.08	5.7	
1303190	Soil	13.0	27.4	0.34	191.1	0.005	4	1.64	0.004	0.13	0.1	6.8	1.06	0.08	1102	1.0	0.08	5.0	
1303191	Soil	30.5	28.6	0.41	185.2	0.004	1	1.18	0.002	0.13	<0.1	4.5	0.14	0.04	22	0.5	<0.02	3.9	
1303192	Soil	34.6	40.6	0.89	308.1	0.015	3	2.41	0.003	0.10	<0.1	5.6	0.20	0.03	81	0.4	0.03	6.2	
1303193	Soil	28.3	43.6	1.17	140.6	0.008	4	2.18	0.001	0.14	<0.1	4.7	0.19	<0.02	21	0.3	0.02	6.0	
1303194	Soil	30.9	19.0	0.41	106.9	0.005	3	0.92	0.002	0.12	<0.1	6.8	0.30	0.03	89	1.3	<0.02	2.6	
1303195	Soil	15.2	27.3	0.49	143.9	0.004	4	1.75	0.002	0.18	<0.1	4.8	0.18	<0.02	187	0.1	0.05	5.1	
1303196	Soil	8.3	26.0	0.39	160.4	0.008	4	1.38	0.004	0.18	<0.1	2.6	0.27	0.03	37	<0.1	0.04	5.9	
1303197	Soil	12.9	27.0	0.40	144.1	0.007	4	1.51	0.003	0.18	0.1	3.0	0.15	0.04	11	0.4	0.07	5.0	
1303198	Soil	10.1	26.8	0.37	140.3	0.006	3	1.61	0.003	0.21	<0.1	2.8	0.18	0.04	15	<0.1	0.07	5.7	

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303199	Soil			0.98	19.12	64.19	121.1	37	27.9	12.9	792	3.02	8.9	1.2	0.8	3.1	14.3	0.14	0.41	0.31	32	0.47	0.065
1303200	Soil			1.60	20.32	34.04	110.5	45	23.3	11.6	537	3.67	11.5	0.9	1.1	1.0	11.4	0.23	0.71	0.38	53	0.37	0.053
1298634	Soil			0.63	40.24	22.02	93.7	216	31.0	12.3	385	3.17	11.5	1.7	6.6	3.3	34.9	0.19	0.52	0.26	27	1.01	0.075
1298635	Soil			2.66	4.94	195.4	2635	201	11.1	12.9	4660	10.99	17.9	3.0	<0.2	1.2	57.4	2.71	1.65	<0.02	4	10.05	0.055
1298636	Soil			6.70	265.7	>10000	>10000	3752	115.2	55.0	1454	20.80	101.2	22.4	1.0	8.0	52.0	22.52	4.84	1.62	39	5.20	0.347
1298637	Soil			0.36	1.55	219.0	3105	53	7.3	9.2	1715	4.90	7.4	2.9	0.3	0.3	65.4	2.68	1.14	<0.02	3	14.15	0.109
1298638	Soil			0.61	25.16	18.74	93.2	70	32.0	12.6	345	2.52	3.6	1.1	3.4	5.9	56.2	0.18	0.33	0.22	24	2.26	0.073
1346601	Soil			0.74	17.09	19.78	85.7	49	20.6	7.6	213	3.13	9.8	0.9	1.6	2.4	17.4	0.08	0.54	0.25	45	0.41	0.105
1346602	Soil			0.79	25.73	23.40	96.5	42	32.4	12.7	412	3.00	11.4	0.9	1.5	4.8	21.6	0.12	0.88	0.21	40	0.25	0.076
1346603	Soil			0.91	17.10	26.19	94.4	58	24.6	10.8	555	3.33	11.6	0.8	2.1	2.8	16.4	0.25	0.75	0.25	49	0.48	0.067
1346604	Soil			1.45	34.46	45.57	112.4	238	36.0	24.2	2011	7.60	16.8	1.1	1.5	4.3	19.5	0.56	1.77	0.23	38	0.75	0.080
1346605	Soil			0.90	31.25	23.99	117.3	188	30.6	11.1	597	3.43	12.6	0.7	3.4	4.6	23.6	0.50	1.15	0.22	41	0.96	0.085
1346606	Soil			0.98	21.15	25.62	93.0	87	24.1	9.9	662	3.80	13.1	0.6	3.8	1.4	11.0	0.34	1.47	0.19	36	0.22	0.076
1346607	Soil			1.11	11.91	18.83	78.7	41	22.1	11.5	541	3.13	12.5	0.9	2.1	1.7	13.2	0.12	0.75	0.25	54	0.35	0.082
1346608	Soil			1.06	27.83	61.66	261.1	197	25.6	15.6	1314	4.58	19.9	0.7	1.7	1.6	16.4	1.98	2.25	0.22	36	1.55	0.079
1346609	Soil			1.02	20.92	41.72	135.4	123	23.5	12.4	1135	4.09	17.2	0.7	1.9	1.7	19.7	0.65	1.55	0.18	37	2.20	0.063
1346610	Soil			0.56	19.08	22.60	69.3	130	11.5	5.7	1260	4.91	9.7	0.4	0.8	1.1	39.3	0.44	0.67	0.06	20	9.02	0.030
1346611	Soil			1.32	22.31	24.21	140.4	82	24.3	14.5	2193	4.55	13.8	1.2	1.9	1.2	10.8	0.55	1.05	0.21	41	0.46	0.079
1346612	Soil			1.28	20.85	64.27	246.2	551	22.1	10.7	2208	3.54	30.8	2.0	2.3	0.7	43.1	0.99	5.60	0.19	44	3.13	0.136
1346613	Soil			1.35	15.50	42.34	166.2	145	21.7	9.6	732	3.17	16.3	2.2	3.3	1.0	38.6	0.60	1.44	0.26	59	1.76	0.270
1346614	Soil			1.23	21.29	37.21	199.7	230	23.9	11.1	2070	3.99	21.8	1.6	<0.2	0.9	25.9	1.55	2.49	0.23	42	1.55	0.131
1346615	Soil			0.05	3.15	0.38	3.7	15	0.9	0.8	18	0.26	0.5	<0.1	0.4	<0.1	10.4	<0.01	<0.02	<0.02	8	0.10	0.024
1346616	Soil			1.13	24.95	17.29	58.1	129	20.4	11.5	571	3.53	9.9	0.7	1.4	0.2	10.5	0.10	0.54	0.22	35	0.11	0.206
1346617	Soil			0.93	25.58	15.22	66.5	70	20.9	10.3	284	3.43	9.0	0.7	0.6	0.3	12.5	0.10	0.41	0.24	33	0.15	0.119
1346618	Soil			1.38	20.26	19.77	91.3	36	23.0	13.9	937	3.90	13.2	0.8	1.4	0.3	10.0	0.19	0.64	0.24	52	0.08	0.103
1346619	Soil			0.97	31.38	21.09	103.5	35	29.2	16.3	861	3.89	13.6	1.0	3.3	1.6	18.1	0.16	0.71	0.23	37	0.27	0.095
1346620	Soil			1.02	63.40	22.67	107.8	151	38.7	18.0	617	3.17	15.7	1.8	2.0	5.2	30.7	0.32	0.52	0.26	29	0.46	0.099
1346621	Soil			0.93	22.93	16.04	91.5	118	30.0	12.6	750	3.23	10.9	0.9	2.4	2.3	20.0	0.22	0.61	0.16	38	0.35	0.054
1346622	Soil			0.94	22.59	15.15	88.0	34	24.4	10.8	311	3.10	11.2	0.9	2.6	1.3	13.8	0.19	0.48	0.19	42	0.22	0.076
1346623	Soil			0.98	21.31	16.52	88.3	44	26.8	12.7	443	3.31	11.5	0.6	1.6	1.4	11.7	0.14	0.51	0.20	40	0.17	0.071



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Method Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%	
1303199	Soil		14.1	25.8	0.49	128.4	0.008	4	1.49	0.003	0.16	<0.1	3.5	0.16	0.02	19	0.2	<0.02	4.7		
1303200	Soil		12.3	32.8	0.50	149.4	0.017	2	1.71	0.004	0.16	0.2	2.2	0.18	0.03	28	0.3	0.08	7.4		
1298634	Soil		23.3	28.0	0.75	76.7	0.004	7	1.21	0.002	0.19	<0.1	5.1	0.20	0.07	65	0.5	<0.02	3.9		
1298635	Soil		4.3	2.9	6.99	10.9	<0.001	1	0.11	0.007	0.03	<0.1	4.2	26.20	0.27	1127	0.2	0.05	0.6		
1298636	Soil		4.1	33.8	3.55	20.7	0.003	<1	1.87	0.003	0.02	<0.1	15.2	8.13	0.16	>50000	<0.1	<0.02	5.7	1.62	1.32
1298637	Soil		3.5	1.9	10.64	16.9	<0.001	<1	0.04	0.009	<0.01	<0.1	3.9	15.37	0.03	1795	<0.1	<0.02	0.3		
1298638	Soil		32.1	37.9	2.07	170.2	0.009	6	1.34	0.007	0.17	<0.1	7.0	0.15	0.03	70	0.5	<0.02	4.1		
1346601	Soil		12.8	27.9	0.53	236.1	0.009	2	1.91	0.003	0.07	0.2	3.4	0.24	0.03	48	<0.1	0.03	5.6		
1346602	Soil		18.0	25.0	0.49	150.3	0.022	1	1.43	0.005	0.06	0.2	4.4	0.15	<0.02	59	0.1	0.05	4.1		
1346603	Soil		15.6	28.0	0.63	215.6	0.016	2	1.76	0.005	0.07	0.2	4.0	0.23	<0.02	42	<0.1	0.02	5.3		
1346604	Soil		19.2	21.9	0.65	217.1	0.016	2	1.16	0.005	0.07	0.2	7.5	0.46	0.03	182	0.4	<0.02	3.3		
1346605	Soil		18.3	25.6	0.80	197.7	0.025	3	1.34	0.008	0.07	0.2	5.3	0.16	<0.02	95	0.1	0.02	3.6		
1346606	Soil		12.7	21.5	0.35	148.7	0.007	2	1.33	0.003	0.06	0.1	3.8	0.21	<0.02	84	0.6	<0.02	3.8		
1346607	Soil		13.1	30.0	0.56	242.6	0.015	2	1.87	0.004	0.06	0.2	3.3	0.21	0.03	21	0.4	<0.02	5.9		
1346608	Soil		13.1	19.7	1.02	189.0	0.007	4	1.18	0.004	0.08	<0.1	4.7	0.26	0.04	122	0.6	<0.02	2.8		
1346609	Soil		13.0	21.0	1.47	161.3	0.008	3	1.41	0.004	0.07	0.2	4.4	0.23	0.03	87	0.6	<0.02	3.4		
1346610	Soil		5.2	6.8	6.51	55.6	<0.001	11	0.33	0.013	0.06	<0.1	3.4	0.28	0.06	98	0.4	<0.02	0.8		
1346611	Soil		12.9	22.9	0.37	185.0	0.009	2	1.46	0.003	0.09	<0.1	4.5	0.28	0.04	56	0.7	<0.02	3.9		
1346612	Soil		15.6	22.4	1.20	268.1	0.010	2	1.51	0.006	0.05	0.2	2.6	0.26	0.09	375	0.7	<0.02	4.1		
1346613	Soil		14.6	28.4	0.31	166.3	0.017	1	2.10	0.005	0.05	0.2	3.2	0.28	0.07	97	0.7	<0.02	5.4		
1346614	Soil		14.9	23.6	0.65	245.7	0.009	3	1.48	0.004	0.06	0.2	3.0	0.27	0.05	123	0.9	0.04	4.0		
1346615	Soil		1.1	1.3	0.02	13.4	0.013	<1	0.14	0.054	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6		
1346616	Soil		7.1	23.8	0.31	70.6	0.004	2	1.36	0.002	0.10	<0.1	0.5	0.11	0.10	32	0.5	<0.02	4.4		
1346617	Soil		6.2	22.4	0.37	77.4	0.004	2	1.29	0.002	0.13	<0.1	1.1	0.08	0.05	17	0.4	0.03	4.9		
1346618	Soil		11.5	30.0	0.39	113.2	0.009	1	1.90	0.002	0.08	0.1	1.1	0.15	0.04	21	0.4	<0.02	5.9		
1346619	Soil		10.4	24.8	0.44	153.0	0.005	2	1.61	0.003	0.10	<0.1	3.0	0.13	0.03	26	0.2	<0.02	4.9		
1346620	Soil		15.0	25.3	0.68	169.5	0.017	3	1.35	0.009	0.09	<0.1	5.2	0.08	0.03	35	0.3	<0.02	3.9		
1346621	Soil		13.8	24.3	0.55	143.3	0.009	2	1.51	0.005	0.07	0.1	4.1	0.11	0.02	43	0.5	<0.02	3.7		
1346622	Soil		16.5	32.9	0.98	142.2	0.008	2	1.89	0.002	0.08	0.1	2.8	0.12	0.03	32	0.4	<0.02	5.7		
1346623	Soil		14.2	31.0	0.93	118.3	0.007	2	1.76	0.002	0.09	<0.1	2.6	0.11	0.03	22	0.6	<0.02	5.4		

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1346624	Soil			0.90	23.49	13.23	88.6	50	27.8	10.4	356	2.79	10.2	0.9	21.4	1.6	12.9	0.18	0.41	0.19	40	0.20	0.073
1346625	Soil			1.37	21.83	13.55	104.5	487	19.0	7.2	136	1.73	11.8	6.3	5.6	3.0	691.2	0.45	0.36	0.09	44	8.24	0.062
1346626	Soil			1.04	21.09	13.75	86.6	222	24.1	8.4	263	2.28	9.4	3.5	4.3	1.9	53.0	0.34	0.46	0.13	38	1.28	0.056
1346627	Soil			1.04	22.48	18.51	109.8	287	25.8	9.2	321	2.49	10.8	3.8	4.5	1.9	30.3	0.42	0.58	0.15	36	0.64	0.063
1346628	Soil			0.85	22.52	29.26	140.3	383	18.6	5.5	171	1.91	7.9	6.5	3.7	0.8	46.3	0.59	0.51	0.11	25	1.60	0.118
1346629	Soil			1.30	20.70	18.08	78.9	396	23.3	7.7	205	2.38	9.9	3.0	6.0	1.6	34.5	0.29	0.50	0.15	32	1.04	0.070
1346630	Soil			1.28	28.14	18.71	98.2	58	37.3	15.5	738	3.51	11.7	0.8	2.8	3.2	21.4	0.20	0.66	0.23	45	0.38	0.066
1346631	Soil			1.14	33.55	26.02	133.5	108	39.0	16.8	600	3.68	11.1	0.8	3.3	4.4	20.2	0.29	0.59	0.22	40	0.45	0.046
1346632	Soil			1.24	24.10	17.58	109.0	38	32.0	13.7	442	3.45	11.0	0.6	3.2	1.3	8.3	0.25	0.74	0.21	39	0.07	0.081
1346633	Soil			1.15	18.17	14.21	89.1	39	23.2	9.5	347	2.94	8.4	0.6	1.2	0.5	9.0	0.25	0.49	0.19	38	0.07	0.078
1346634	Soil			1.13	14.80	13.66	71.1	26	16.5	7.4	311	2.65	8.2	0.5	2.5	0.2	7.5	0.22	0.45	0.24	37	0.05	0.066
1346635	Soil			0.50	21.00	21.07	137.7	157	53.6	18.2	1221	3.07	4.1	0.7	1.2	5.6	18.1	0.13	0.19	0.26	11	0.27	0.056
1346636	Soil			1.52	5.96	45.17	235.9	84	18.2	7.8	2851	2.82	15.4	1.8	0.4	1.0	29.3	0.20	0.28	0.07	23	8.74	0.119
1346637	Soil			1.88	16.34	70.73	185.1	80	27.6	11.1	4076	4.05	13.1	2.5	0.9	1.7	12.9	0.50	0.66	0.22	51	1.46	0.099
1346638	Soil			1.53	14.71	39.35	165.1	93	22.9	9.4	2392	3.99	11.0	2.2	0.7	1.0	10.2	0.77	0.57	0.18	41	1.17	0.103
1346639	Soil			1.24	11.56	40.77	388.8	80	16.0	8.6	2566	3.82	9.1	1.2	0.8	1.0	10.6	1.79	0.48	0.21	43	1.86	0.075
1346640	Soil			0.92	23.96	21.99	111.4	177	29.0	11.5	734	3.02	9.5	0.8	3.4	3.2	10.9	0.22	0.56	0.19	30	1.00	0.035
1346641	Soil			1.21	17.72	33.63	166.4	142	24.6	9.8	1397	3.58	11.5	2.0	0.8	1.3	13.1	0.39	0.61	0.21	39	0.72	0.097
1346642	Soil			1.15	17.68	43.28	129.4	95	22.3	10.7	2013	3.27	9.8	2.1	2.9	1.6	17.9	0.62	0.67	0.28	37	2.46	0.087
1346643	Soil			1.06	16.15	33.20	111.0	102	21.7	10.9	1087	3.17	9.6	2.0	1.6	1.3	15.1	0.39	0.70	0.32	44	0.99	0.121
1346644	Soil			0.02	3.32	0.31	3.1	14	0.6	0.8	23	0.25	0.4	<0.1	0.7	<0.1	11.2	<0.01	<0.02	<0.02	8	0.11	0.027
1303413	Soil			0.85	21.40	43.63	95.8	324	20.1	11.0	796	2.65	16.0	0.9	0.7	1.7	66.3	0.26	3.74	0.20	27	6.29	0.082
1303414	Soil			1.48	32.50	59.28	177.5	86	31.6	15.9	495	3.73	18.4	1.5	0.7	3.4	22.7	0.44	1.65	0.27	33	0.77	0.106
1303415	Soil			1.35	23.95	54.60	239.9	312	26.5	15.1	1517	3.75	33.4	1.6	1.1	2.1	23.5	0.77	5.90	0.29	46	1.86	0.179
1303416	Soil			1.15	25.72	91.92	203.0	257	24.8	12.4	1451	3.35	39.8	1.4	1.4	2.8	37.0	1.33	9.58	0.21	31	4.10	0.174
1303417	Soil			1.22	22.93	138.6	260.3	116	21.8	13.2	1081	3.92	33.9	1.1	0.5	2.7	19.2	1.29	7.62	0.24	37	1.02	0.111
1303418	Soil			0.98	15.36	50.76	124.3	95	17.3	7.7	854	3.74	18.5	0.8	2.6	2.3	16.1	1.29	4.25	0.19	33	1.60	0.042
1303419	Soil			1.18	25.29	36.14	128.4	174	26.9	14.9	2347	7.46	25.3	1.4	1.4	3.6	12.4	0.57	4.66	0.23	37	0.29	0.056
1303420	Soil			1.26	16.88	29.89	125.6	74	17.1	10.3	1161	4.04	12.9	0.9	1.3	1.8	10.5	0.64	1.49	0.29	43	0.20	0.076
1303421	Soil			1.14	21.91	35.78	79.7	150	22.1	11.2	1106	5.27	16.8	1.3	0.8	2.7	15.9	0.28	2.27	0.27	42	0.45	0.060



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			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
			0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1346624	Soil		17.4	36.3	1.30	108.9	0.007	4	1.86	0.003	0.09	0.1	2.9	0.12	0.03	16	0.6	<0.02	6.0
1346625	Soil		11.6	33.5	2.41	43.6	0.007	4	1.70	0.004	0.13	<0.1	3.6	0.22	0.06	103	0.6	<0.02	4.8
1346626	Soil		19.4	28.1	1.23	109.4	0.013	4	1.47	0.005	0.12	<0.1	3.5	0.13	0.05	96	0.6	<0.02	4.5
1346627	Soil		21.2	26.8	0.89	100.4	0.011	3	1.41	0.004	0.10	<0.1	3.9	0.13	0.04	85	0.7	<0.02	4.1
1346628	Soil		20.3	20.2	0.80	102.3	0.005	4	1.23	0.005	0.09	<0.1	2.1	0.11	0.11	119	0.8	<0.02	3.5
1346629	Soil		21.1	23.4	0.83	96.9	0.008	3	1.32	0.003	0.10	<0.1	3.8	0.14	0.05	107	0.7	<0.02	3.8
1346630	Soil		12.7	30.5	0.57	224.5	0.010	2	1.93	0.004	0.09	0.1	4.6	0.16	<0.02	20	0.6	<0.02	5.0
1346631	Soil		14.1	27.4	0.53	192.0	0.005	3	2.01	0.003	0.11	<0.1	5.3	0.16	<0.02	41	0.8	<0.02	4.4
1346632	Soil		10.6	27.1	0.40	100.2	0.007	<1	1.78	0.002	0.07	0.1	2.5	0.13	0.03	36	0.7	0.02	4.9
1346633	Soil		10.4	24.7	0.37	102.1	0.007	<1	1.61	0.003	0.07	<0.1	1.6	0.14	0.03	17	0.6	<0.02	5.2
1346634	Soil		10.2	23.1	0.25	81.5	0.006	<1	1.27	0.001	0.07	0.1	0.9	0.14	0.03	16	0.4	<0.02	4.8
1346635	Soil		4.3	12.7	0.22	56.6	<0.001	2	0.84	0.003	0.09	<0.1	4.6	0.12	0.02	49	0.3	<0.02	1.7
1346636	Soil		13.5	14.3	6.11	97.2	0.004	1	1.53	0.009	0.03	<0.1	2.6	0.49	0.05	27	0.3	<0.02	2.1
1346637	Soil		12.4	30.8	1.09	154.0	0.008	2	2.17	0.004	0.08	0.1	4.1	0.85	0.06	42	0.4	<0.02	5.4
1346638	Soil		10.1	24.9	0.70	191.3	0.008	1	1.76	0.003	0.05	<0.1	2.9	0.23	0.07	56	0.5	0.04	4.2
1346639	Soil		9.0	20.6	1.01	156.7	0.009	2	1.53	0.003	0.06	0.1	2.3	0.53	0.06	42	0.5	0.02	4.2
1346640	Soil		13.8	21.3	0.88	102.0	0.006	2	1.20	0.004	0.06	0.1	4.7	0.12	0.03	155	0.3	<0.02	3.1
1346641	Soil		14.2	27.4	0.50	133.9	0.007	1	1.66	0.003	0.06	<0.1	4.1	0.20	0.05	61	0.2	0.04	4.0
1346642	Soil		10.9	21.3	1.60	116.9	0.010	2	1.40	0.003	0.06	0.1	2.6	0.18	0.04	47	0.2	0.03	3.9
1346643	Soil		12.7	25.4	0.54	123.8	0.013	1	1.62	0.003	0.06	0.1	2.5	0.16	0.07	56	0.2	0.04	4.8
1346644	Soil		1.3	0.9	0.02	13.8	0.016	<1	0.15	0.055	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6
1303413	Soil		9.0	14.8	3.56	93.9	0.005	2	0.99	0.010	0.06	0.1	3.2	0.25	0.03	113	0.2	0.02	2.3
1303414	Soil		17.1	26.3	0.40	133.2	0.003	1	1.79	0.002	0.05	0.1	6.0	0.19	0.04	84	0.3	<0.02	3.5
1303415	Soil		17.9	25.5	1.08	213.6	0.009	2	1.72	0.003	0.07	0.2	4.7	0.32	0.05	144	0.4	<0.02	4.6
1303416	Soil		16.4	18.5	2.25	135.7	0.006	2	1.17	0.005	0.06	0.3	4.8	0.33	0.03	182	<0.1	0.05	2.5
1303417	Soil		9.6	19.6	0.52	159.0	0.004	2	1.43	0.002	0.07	0.2	3.6	0.31	0.04	130	0.2	0.02	3.8
1303418	Soil		10.3	17.6	1.10	134.9	0.010	1	1.10	0.004	0.04	0.2	2.9	0.27	0.02	210	0.2	<0.02	3.4
1303419	Soil		16.8	21.2	0.36	224.5	0.007	<1	1.29	0.002	0.05	0.1	6.3	0.54	0.03	170	0.4	0.02	3.2
1303420	Soil		9.5	21.9	0.32	127.4	0.010	1	1.31	0.002	0.06	0.1	2.6	0.23	0.04	38	0.2	0.03	4.7
1303421	Soil		13.8	22.1	0.35	147.2	0.008	1	1.42	0.002	0.05	0.2	4.4	0.21	0.03	132	0.3	0.03	4.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303422	Soil	1.20	25.46	51.69	116.1	159	23.8	13.7	2327	5.36	18.3	1.4	1.5	2.3	15.7	0.74	2.65	0.29	40	0.35	0.095
1303423	Soil	0.53	16.14	42.97	25.8	30	8.1	9.2	780	3.74	8.6	0.3	<0.2	3.5	1.1	0.08	0.81	0.21	17	0.05	0.023
1303424	Soil	0.87	17.93	49.08	98.8	137	17.5	11.7	1807	3.97	22.7	0.7	0.9	2.8	12.0	0.88	4.55	0.22	33	1.79	0.051
1303425	Soil	0.82	27.24	41.13	70.1	250	25.9	13.6	1413	3.75	13.3	0.6	1.4	3.4	18.3	0.30	1.43	0.18	25	2.72	0.048
1303426	Soil	1.28	21.08	48.18	120.5	104	21.4	13.9	1269	3.78	14.8	1.3	0.5	1.3	17.6	0.37	1.13	0.25	41	0.80	0.102
1303427	Soil	1.30	28.06	34.68	85.7	103	34.1	13.1	1270	4.75	12.0	1.0	1.5	4.2	17.1	0.27	1.55	0.22	39	1.25	0.047
1303428	Soil	0.46	10.72	29.92	8.2	274	5.8	2.2	1388	6.85	7.5	1.1	<0.2	0.5	52.7	0.08	1.08	<0.02	14	15.37	0.020
1303429	Soil	1.07	22.71	41.76	123.8	180	23.0	12.8	1328	3.84	16.1	0.9	0.8	1.9	18.7	0.58	1.96	0.23	37	1.68	0.063
1303430	Soil	1.01	20.87	40.21	194.0	154	22.1	13.5	1243	3.77	14.5	1.0	1.6	1.3	14.2	1.15	2.01	0.27	41	0.82	0.092
1303431	Soil	1.27	19.65	26.05	93.3	33	19.6	11.4	484	3.15	12.8	1.0	0.6	2.2	12.7	0.37	1.12	0.28	42	0.16	0.056
1303432	Soil	1.00	25.14	23.62	118.7	103	26.1	12.4	713	3.45	12.4	1.1	0.7	1.4	15.0	0.52	1.21	0.22	37	0.37	0.075
1303433	Soil	1.00	31.16	27.13	120.7	64	32.3	14.0	409	3.40	14.4	1.1	0.8	2.4	14.9	0.40	1.26	0.23	36	0.15	0.092
1303434	Soil	1.69	16.64	22.44	93.7	73	16.7	11.9	994	3.08	12.6	1.1	<0.2	1.7	9.2	0.58	0.93	0.34	52	0.10	0.064
1303435	Soil	1.68	29.90	77.57	259.1	119	36.3	16.0	1830	5.70	27.4	1.3	1.9	3.2	11.8	0.92	4.44	0.24	40	0.31	0.068
1303436	Soil	1.07	30.68	32.86	132.5	225	32.7	13.6	803	3.36	15.3	1.2	1.6	2.9	19.3	0.53	1.94	0.22	36	0.56	0.078
1303437	Soil	0.86	32.16	30.65	124.0	95	32.1	15.4	469	3.14	12.6	0.8	1.4	4.8	15.6	0.21	1.51	0.20	36	0.23	0.038
1303438	Soil	1.28	37.47	42.37	127.0	302	27.4	14.4	728	3.19	22.5	1.5	1.6	1.4	28.1	0.30	4.12	0.26	35	1.53	0.149
1303439	Soil	2.05	17.07	33.42	69.3	219	11.3	6.4	824	2.47	20.6	1.9	0.6	0.7	15.9	0.30	2.57	0.15	23	1.96	0.087
1303440	Soil	1.07	20.91	31.26	70.3	81	23.3	12.7	651	3.38	12.3	1.2	1.2	2.8	15.3	0.15	1.26	0.24	43	0.84	0.063
1303441	Soil	1.12	42.06	39.29	167.2	232	28.7	13.5	527	2.91	26.3	5.4	1.6	1.1	36.6	0.29	3.26	0.24	30	1.51	0.134
1303442	Soil	1.22	28.56	75.20	227.1	495	27.2	12.5	1097	3.04	27.2	2.7	1.5	1.1	61.8	0.88	7.21	0.23	37	2.77	0.182
1303443	Soil	0.93	19.48	38.97	150.3	301	18.8	9.1	1555	2.76	23.9	2.1	1.2	0.5	40.7	0.74	5.76	0.19	34	4.85	0.172
1303444	Soil	0.03	3.34	0.49	3.7	17	0.8	0.7	23	0.22	0.6	<0.1	<0.2	<0.1	11.8	<0.01	<0.02	<0.02	7	0.11	0.026
1303445	Soil	1.15	28.17	38.13	136.8	104	25.0	13.0	858	3.06	13.0	1.0	1.5	0.8	48.5	0.66	1.40	0.26	39	1.39	0.117
1303446	Soil	1.01	31.76	78.62	331.2	563	33.6	13.1	1195	3.07	17.5	1.4	3.0	0.9	32.5	1.58	1.02	0.24	41	2.33	0.227
1303447	Soil	1.44	35.96	63.77	165.3	1411	26.1	11.9	>10000	12.94	109.2	1.1	3.4	2.6	82.7	0.78	8.05	0.21	11	6.27	0.118
1303448	Soil	1.23	19.15	143.2	889.7	125	19.5	9.4	2077	4.12	10.0	1.8	0.6	1.4	25.4	1.33	0.30	0.18	21	7.17	0.123
1303449	Soil	1.13	13.89	25.87	109.7	114	23.8	10.7	1094	3.18	12.8	1.2	0.8	0.9	12.1	0.69	0.89	0.23	49	0.86	0.060
1303450	Soil	1.29	16.32	21.31	102.2	234	29.3	11.6	739	2.87	15.9	1.1	2.6	2.1	24.5	0.38	1.32	0.29	46	1.21	0.056
1346501	Soil	1.50	18.30	61.05	204.7	66	23.0	10.4	1413	3.53	13.9	1.7	0.6	0.7	5.8	0.33	0.44	0.25	36	0.20	0.095

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			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
1303422	Soil		15.6	19.6	0.30	234.8	0.009	<1	1.28	0.002	0.05	0.1	5.3	0.26	0.04	92	0.3	0.04	3.4	
1303423	Soil		7.3	7.9	0.04	55.9	0.001	<1	0.47	<0.001	0.04	<0.1	2.3	0.11	<0.02	31	<0.1	<0.02	0.9	
1303424	Soil		11.1	15.1	1.14	114.2	0.007	1	0.99	0.002	0.04	0.2	4.9	0.24	0.02	79	0.1	0.03	2.6	
1303425	Soil		11.2	15.1	1.69	93.6	0.009	2	0.79	0.004	0.04	0.1	5.9	0.13	0.03	69	0.1	<0.02	2.0	
1303426	Soil		9.2	22.3	0.41	204.1	0.011	1	1.21	0.002	0.05	0.1	2.3	0.14	0.05	56	0.3	0.05	3.9	
1303427	Soil		18.1	24.3	1.05	209.7	0.017	3	1.31	0.006	0.05	0.2	5.2	0.21	<0.02	66	0.4	0.04	3.4	
1303428	Soil		4.2	3.5	8.41	44.7	0.001	35	0.08	0.012	0.01	<0.1	1.5	0.14	<0.02	63	0.2	<0.02	0.2	
1303429	Soil		14.7	20.7	0.98	229.3	0.010	2	1.19	0.004	0.06	0.1	3.9	0.15	0.03	57	0.3	0.07	3.1	
1303430	Soil		12.2	23.2	0.48	168.4	0.013	3	1.28	0.004	0.06	0.2	2.9	0.18	0.07	73	0.4	0.04	3.6	
1303431	Soil		12.2	23.7	0.32	133.8	0.011	<1	1.38	0.002	0.05	0.2	2.9	0.14	0.02	34	0.1	0.04	4.4	
1303432	Soil		13.3	22.3	0.42	147.6	0.010	1	1.33	0.004	0.05	0.1	3.0	0.16	0.03	48	0.1	0.03	3.9	
1303433	Soil		16.3	26.0	0.41	87.9	0.010	<1	1.49	0.002	0.05	0.1	3.5	0.15	<0.02	57	0.5	<0.02	3.8	
1303434	Soil		13.7	24.7	0.25	103.5	0.016	<1	1.36	0.001	0.04	0.2	2.7	0.14	<0.02	44	0.3	0.04	5.5	
1303435	Soil		15.5	22.8	0.42	211.6	0.009	<1	1.52	0.002	0.05	0.2	4.7	0.39	<0.02	94	0.4	0.05	3.8	
1303436	Soil		17.3	25.2	0.55	148.1	0.017	1	1.28	0.006	0.06	0.2	4.4	0.17	<0.02	161	0.3	0.05	3.7	
1303437	Soil		14.6	24.7	0.46	112.2	0.013	1	1.41	0.004	0.06	0.1	4.6	0.15	<0.02	60	0.2	0.04	4.1	
1303438	Soil		14.0	22.9	0.74	153.8	0.010	3	1.23	0.004	0.07	0.1	3.8	0.28	0.06	201	0.7	0.04	3.6	
1303439	Soil		6.5	11.2	0.86	101.4	0.005	1	0.68	0.003	0.03	<0.1	2.1	0.22	0.06	88	0.3	<0.02	2.0	
1303440	Soil		11.5	26.3	0.69	180.7	0.004	<1	1.81	0.002	0.05	0.1	4.8	0.17	0.02	51	0.2	<0.02	5.2	
1303441	Soil		11.3	20.0	0.38	152.5	0.006	2	1.16	0.004	0.06	<0.1	2.8	0.38	0.09	250	0.6	0.05	3.4	
1303442	Soil		14.0	22.5	1.01	162.8	0.010	1	1.32	0.006	0.05	0.1	2.6	0.27	0.08	324	0.7	0.03	3.7	
1303443	Soil		10.4	17.9	2.12	141.0	0.010	2	1.14	0.006	0.04	0.1	1.4	0.16	0.10	241	0.4	0.04	3.2	
1303444	Soil		1.3	0.8	0.02	13.6	0.014	<1	0.14	0.058	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6	
1303445	Soil		14.9	23.0	0.29	183.7	0.010	<1	1.26	0.003	0.05	0.1	2.5	0.16	0.09	100	0.4	0.07	4.0	
1303446	Soil		22.3	26.0	0.71	186.0	0.009	4	1.97	0.004	0.08	0.1	2.9	0.46	0.11	377	0.9	0.05	4.9	
1303447	Soil		9.6	9.9	3.01	226.4	0.010	4	0.66	0.007	0.06	0.1	4.1	0.60	0.02	450	0.6	0.06	3.0	
1303448	Soil		12.8	18.0	4.22	100.8	0.006	4	1.12	0.007	0.09	<0.1	2.8	1.08	0.05	67	0.3	<0.02	3.5	
1303449	Soil		12.1	25.8	0.53	154.7	0.018	1	1.73	0.002	0.04	0.2	2.2	0.20	0.04	66	0.1	<0.02	5.8	
1303450	Soil		15.1	28.9	0.72	172.6	0.023	2	1.65	0.006	0.05	0.3	3.5	0.19	0.03	74	0.3	0.07	4.8	
1346501	Soil		13.3	26.2	0.33	120.8	0.008	3	1.65	<0.001	0.10	<0.1	1.9	0.46	0.05	42	<0.1	0.07	5.8	

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346502	Soil	1.04	15.35	67.88	214.9	525	13.2	7.4	3643	3.59	22.8	1.0	0.8	0.5	36.4	1.58	5.94	0.09	20	8.77	0.094	
1346503	Soil	2.01	18.24	505.6	1176	194	27.3	10.7	4707	6.05	14.8	2.8	0.4	2.6	17.6	2.16	0.35	0.18	22	3.56	0.182	
1346504	Soil	0.65	6.62	150.3	686.6	62	9.3	4.3	1454	2.62	5.1	1.1	<0.2	1.4	27.9	1.26	0.13	0.06	7	10.27	0.055	
1346505	Soil	1.04	16.27	97.43	267.5	45	28.2	12.0	2296	3.29	11.1	1.5	0.3	2.2	7.7	0.50	0.41	0.18	30	0.24	0.098	
1346506	Soil	0.63	6.31	760.5	1439	58	11.6	4.9	1810	4.29	6.2	1.2	<0.2	1.5	35.0	1.51	0.13	0.07	6	12.55	0.066	
1346507	Soil	0.86	38.70	62.45	113.5	67	29.8	17.1	902	3.42	7.0	1.6	1.9	2.9	8.1	0.12	0.30	0.30	24	0.17	0.059	
1346508	Soil	0.46	31.29	123.0	95.4	38	19.7	16.6	1175	3.06	5.8	1.3	0.2	2.9	9.4	0.21	0.23	0.31	15	0.16	0.092	
1346509	Soil	1.03	25.87	166.9	179.1	21	25.9	16.0	1508	3.62	10.2	0.9	7.1	2.2	9.9	0.22	0.38	0.28	30	0.12	0.070	
1346510	Soil	0.36	13.95	263.8	70.2	278	4.8	4.0	74	5.38	57.4	<0.1	<0.2	1.5	4.4	<0.01	2.02	0.29	6	0.06	0.014	
1346511	Soil	0.58	30.02	20.15	88.3	51	27.1	9.2	228	2.48	10.3	1.5	1.8	2.9	15.8	0.20	0.31	0.18	30	0.48	0.073	
1346512	Soil	0.83	44.24	18.47	83.0	52	26.2	11.2	557	2.59	5.9	1.7	2.8	1.9	20.3	0.19	0.35	0.19	30	0.66	0.121	
1346513	Soil	0.89	18.54	10.81	87.2	54	22.0	9.0	471	2.59	3.2	0.7	0.3	0.9	10.1	0.09	0.26	0.23	34	0.20	0.071	
1346514	Soil	0.77	18.29	14.91	104.2	34	25.9	11.2	427	3.05	4.8	0.8	0.7	1.2	11.1	0.15	0.20	0.19	29	0.31	0.074	
1346515	Soil	0.60	29.27	65.49	127.8	207	29.1	10.5	630	2.93	16.3	5.6	6.6	3.3	22.1	0.33	0.28	0.17	37	0.61	0.098	
1346516	Soil	0.48	28.14	18.19	105.6	99	36.5	11.4	338	2.73	7.4	2.8	2.9	4.7	10.3	0.30	0.24	0.13	26	0.22	0.055	
1346517	Soil	0.80	21.62	20.41	93.6	46	23.2	9.6	505	3.10	9.5	1.6	1.5	0.6	8.4	0.15	0.34	0.19	36	0.13	0.077	
1346518	Soil	0.59	25.28	36.84	169.0	296	25.3	8.5	185	2.55	7.9	3.0	3.0	2.6	40.1	0.43	0.37	0.18	22	0.94	0.074	
1346519	Soil	1.08	19.89	22.16	128.8	205	22.7	8.0	271	2.50	10.0	4.3	1.1	1.8	41.1	0.39	0.50	0.14	25	1.29	0.133	
1346520	Soil	0.97	18.69	28.33	155.5	138	26.9	14.5	1147	3.33	8.9	3.1	1.1	1.6	24.7	0.40	0.48	0.15	34	0.67	0.118	
1346521	Soil	1.00	32.94	26.30	83.9	91	27.8	11.5	710	2.86	8.7	1.5	0.2	2.0	11.4	0.14	0.38	0.21	34	0.23	0.073	
1346522	Soil	0.97	22.02	24.29	112.9	81	34.2	12.7	762	3.04	9.1	1.2	2.0	3.1	10.6	0.19	0.47	0.17	37	0.15	0.065	
1346523	Soil	1.01	15.46	19.81	81.5	45	23.2	8.5	469	2.79	8.7	1.0	4.1	1.2	9.7	0.18	0.43	0.18	41	0.21	0.071	
1346524	Soil	0.96	15.19	19.63	93.2	65	21.7	8.5	697	2.78	7.9	1.3	1.1	1.3	9.7	0.23	0.36	0.17	37	0.28	0.110	
1346525	Soil	1.03	19.31	20.11	98.6	169	27.0	8.1	860	2.53	8.5	1.4	1.7	1.9	18.5	0.42	0.53	0.14	38	0.59	0.109	
1346526	Soil	0.74	13.11	21.29	96.9	81	18.2	6.5	227	2.78	5.7	1.0	1.4	1.4	11.3	0.09	0.27	0.19	34	0.45	0.083	
1346527	Soil	1.04	17.98	91.94	188.9	286	26.7	9.1	1203	2.66	11.6	1.5	1.8	1.9	19.4	0.55	0.56	0.17	39	2.63	0.178	
1346528	Soil	1.17	18.74	61.69	158.1	171	24.6	10.2	2377	3.13	10.2	1.4	2.2	2.1	21.9	1.02	0.51	0.13	34	3.25	0.130	
1346529	Soil	1.28	20.71	26.69	112.1	134	32.5	10.1	1041	2.84	11.1	1.3	0.4	2.1	17.3	0.40	0.61	0.15	47	0.43	0.122	
1346530	Soil	0.86	16.04	17.11	85.2	62	26.5	8.6	436	2.81	8.7	1.0	0.7	2.0	11.8	0.11	0.39	0.13	40	0.27	0.092	
1346531	Soil	1.55	19.98	44.00	164.8	134	32.3	10.1	1950	3.04	12.6	1.8	1.6	1.7	17.7	0.63	0.66	0.13	42	1.61	0.117	

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
			0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1346502	Soil		7.5	10.5	4.96	201.7	0.008	2	0.78	0.008	0.04	0.1	1.9	0.23	0.05	307	0.5	0.03	1.9
1346503	Soil		22.4	24.0	2.10	153.9	0.006	3	1.73	0.003	0.10	<0.1	4.5	1.65	0.05	90	0.6	0.03	3.9
1346504	Soil		5.0	7.2	6.13	41.6	0.003	2	0.39	0.006	0.07	<0.1	1.8	0.87	<0.02	36	<0.1	<0.02	1.4
1346505	Soil		24.5	22.8	0.45	123.6	0.010	3	1.62	0.001	0.08	0.2	3.7	0.38	0.02	18	<0.1	<0.02	4.4
1346506	Soil		6.1	7.5	7.66	50.6	0.005	2	0.45	0.009	0.06	<0.1	1.9	1.81	<0.02	26	0.3	<0.02	1.5
1346507	Soil		9.6	24.0	0.38	138.8	0.006	2	1.44	0.002	0.15	<0.1	5.9	0.20	<0.02	28	<0.1	<0.02	4.5
1346508	Soil		5.4	11.6	0.14	78.1	0.002	2	0.76	0.003	0.13	<0.1	6.7	0.26	0.02	35	<0.1	<0.02	2.6
1346509	Soil		8.0	23.5	0.33	127.0	0.007	1	1.38	0.001	0.10	0.1	3.3	0.25	0.03	14	<0.1	0.03	4.9
1346510	Soil		0.9	2.8	0.04	123.2	<0.001	2	0.19	0.005	0.22	<0.1	1.9	0.32	0.46	47	<0.1	<0.02	0.9
1346511	Soil		22.5	32.0	1.09	142.9	0.013	2	1.60	0.003	0.07	0.1	5.3	0.09	0.04	17	0.2	<0.02	5.1
1346512	Soil		18.2	31.4	1.03	452.9	0.009	2	1.51	0.002	0.07	<0.1	4.7	0.11	0.07	49	0.4	<0.02	5.2
1346513	Soil		22.2	31.2	0.94	287.3	0.008	2	1.47	<0.001	0.09	<0.1	1.3	0.11	0.04	24	<0.1	0.03	7.2
1346514	Soil		19.2	30.9	0.88	175.6	0.006	1	1.52	<0.001	0.09	<0.1	1.8	0.08	0.03	24	0.2	0.04	5.8
1346515	Soil		38.5	39.3	1.60	131.1	0.008	2	2.38	<0.001	0.08	<0.1	6.6	0.11	0.04	62	0.3	<0.02	6.4
1346516	Soil		29.1	32.9	1.45	95.3	0.006	2	1.96	<0.001	0.08	<0.1	5.0	0.08	<0.02	27	<0.1	<0.02	5.5
1346517	Soil		15.5	27.9	0.75	98.0	0.006	2	1.69	<0.001	0.08	<0.1	1.2	0.11	0.04	31	<0.1	<0.02	6.2
1346518	Soil		16.4	20.7	0.78	104.4	0.005	4	1.14	0.002	0.09	<0.1	3.5	0.16	0.06	80	0.3	0.03	3.9
1346519	Soil		13.9	16.4	0.46	85.1	0.009	3	0.98	0.004	0.07	0.1	3.1	0.08	0.05	44	0.3	0.07	2.9
1346520	Soil		19.1	22.7	0.40	203.4	0.009	2	1.51	0.003	0.06	0.2	2.9	0.12	0.05	58	<0.1	0.03	3.6
1346521	Soil		13.6	23.2	0.42	240.3	0.005	<1	1.52	0.001	0.06	<0.1	3.0	0.16	0.03	36	0.2	0.03	4.8
1346522	Soil		16.7	27.0	0.44	178.5	0.012	2	1.76	0.002	0.07	0.2	3.6	0.14	0.02	32	<0.1	0.03	4.4
1346523	Soil		11.6	23.2	0.41	141.6	0.011	<1	1.48	0.002	0.06	0.2	2.2	0.15	0.03	18	0.3	0.03	4.4
1346524	Soil		11.7	23.5	0.41	156.2	0.008	<1	1.48	0.002	0.06	0.2	2.3	0.16	0.04	11	<0.1	0.02	4.5
1346525	Soil		17.4	22.1	0.42	163.8	0.019	1	1.16	0.007	0.06	0.3	3.1	0.14	0.05	44	0.3	0.02	3.8
1346526	Soil		9.9	24.2	0.42	109.6	0.009	<1	1.39	0.003	0.06	0.1	2.6	0.16	0.03	13	0.2	<0.02	4.6
1346527	Soil		15.8	26.8	1.70	152.3	0.019	2	1.39	0.008	0.06	0.2	3.3	0.16	0.03	81	<0.1	0.04	4.3
1346528	Soil		14.2	22.2	2.04	195.6	0.012	2	1.37	0.006	0.07	0.1	3.6	0.49	0.04	39	0.1	0.04	3.9
1346529	Soil		16.4	28.1	0.52	196.2	0.019	1	1.65	0.006	0.06	0.2	3.4	0.18	0.02	28	0.1	0.02	5.0
1346530	Soil		14.0	27.8	0.55	182.0	0.011	<1	1.67	0.003	0.06	0.2	3.2	0.13	<0.02	30	<0.1	<0.02	4.9
1346531	Soil		18.2	26.1	1.21	183.8	0.018	1	1.59	0.006	0.06	0.2	3.3	0.24	0.03	24	0.3	0.02	4.5



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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346532	Soil	1.16	14.24	51.46	148.8	199	24.0	7.7	1158	2.92	10.5	1.6	2.4	1.2	16.5	0.46	0.67	0.22	43	1.96	0.108
1346533	Soil	1.21	11.62	24.46	71.3	149	17.2	6.7	1697	2.06	8.4	1.5	2.8	1.0	33.0	0.34	0.47	0.16	34	5.57	0.143
1346534	Soil	1.57	14.22	38.39	102.3	92	28.6	10.2	4211	3.12	11.6	2.3	2.9	1.7	12.2	0.42	0.61	0.22	37	0.95	0.111
1346535	Soil	1.32	14.67	70.71	276.5	123	22.2	8.4	3124	2.95	10.1	1.1	3.3	1.5	27.7	1.19	0.65	0.16	36	4.70	0.107
1346536	Soil	1.49	10.61	48.97	160.6	129	18.6	6.7	2100	2.57	9.3	1.9	1.2	0.7	23.9	0.64	0.49	0.16	34	5.53	0.128
1346537	Soil	0.96	12.30	68.15	331.3	145	23.9	9.3	1385	2.91	9.9	1.0	2.1	2.2	20.1	0.63	0.56	0.20	43	2.69	0.089
1346538	Soil	1.06	9.80	52.51	209.3	109	14.7	6.8	2579	2.74	8.6	1.0	0.9	0.9	29.5	0.77	0.38	0.13	27	9.43	0.120
1346539	Soil	1.46	13.83	58.69	175.0	174	24.0	10.5	2911	3.56	12.7	1.3	1.9	1.2	13.6	0.49	0.65	0.23	44	1.58	0.117
1346540	Soil	1.52	11.32	270.9	397.5	61	20.2	9.1	4929	4.25	10.9	1.3	0.9	1.3	10.7	1.48	0.50	0.19	40	1.52	0.121
1346541	Soil	1.34	11.00	26.46	188.2	50	23.5	9.1	1291	3.10	9.6	1.1	1.7	1.1	10.4	0.43	0.59	0.23	45	0.36	0.113
1346551	Soil	1.06	15.09	20.98	105.0	229	23.4	10.6	1709	3.60	14.1	2.0	1.1	1.5	28.1	0.26	1.09	0.21	48	3.45	0.124
1346552	Soil	1.29	27.76	38.48	162.5	199	24.5	12.9	638	3.10	18.5	2.1	2.0	1.1	35.2	0.32	1.92	0.28	42	1.43	0.146
1346553	Soil	1.52	47.44	38.16	103.4	273	30.1	14.6	1463	4.04	20.5	1.6	2.7	1.3	33.3	0.24	1.76	0.26	32	1.69	0.119
1346554	Soil	1.04	20.84	21.46	89.6	30	27.7	12.4	392	3.04	9.6	0.6	1.4	3.2	12.4	0.12	0.79	0.21	38	0.24	0.049
1346555	Soil	0.55	14.23	19.28	67.6	162	19.3	8.8	451	2.76	9.5	0.9	2.1	1.3	18.7	0.13	0.58	0.18	40	1.42	0.136
1346556	Soil	1.01	22.17	19.85	174.9	142	24.8	10.4	387	2.92	8.7	1.2	3.9	1.3	17.1	1.06	0.85	0.19	36	0.75	0.099
1346557	Soil	1.08	31.89	17.23	93.5	20	33.4	15.2	531	3.22	9.3	0.7	2.5	4.5	13.3	0.13	0.77	0.19	39	0.15	0.065
1346558	Soil	0.78	22.16	17.38	116.6	113	21.9	10.4	1202	3.84	8.6	0.6	1.3	1.7	20.7	1.02	0.87	0.15	31	2.74	0.077
1346559	Soil	0.89	16.44	18.63	69.5	105	25.3	10.8	551	3.21	11.3	0.7	2.4	3.0	12.8	0.12	0.94	0.22	43	0.24	0.051
1346560	Soil	0.74	13.78	38.49	267.9	156	12.5	6.5	845	3.72	12.3	0.6	1.2	1.0	33.0	2.30	2.59	0.10	22	8.41	0.046
1346561	Soil	1.14	19.54	20.40	98.0	154	27.1	13.5	641	3.21	11.7	1.2	2.5	2.2	13.5	0.32	0.96	0.24	45	0.50	0.049
1346562	Soil	1.19	18.76	39.51	237.0	94	21.3	14.2	1520	4.19	15.5	1.4	0.7	1.4	12.4	0.82	0.96	0.35	54	0.79	0.065
1346563	Soil	1.01	18.07	31.15	138.7	86	19.1	10.9	951	3.43	25.3	0.7	0.8	1.3	16.7	0.54	4.41	0.28	41	2.02	0.058
1346564	Soil	1.54	15.39	35.79	139.1	139	21.2	13.1	2508	6.93	17.5	1.5	1.2	1.8	7.1	0.91	2.73	0.28	47	0.23	0.091
1346565	Soil	1.23	20.23	21.54	88.7	140	32.9	13.7	639	3.44	13.2	1.0	2.3	3.2	11.9	0.17	1.08	0.22	46	0.24	0.039
1346566	Soil	1.00	28.04	21.17	95.8	44	33.2	14.0	514	2.92	12.7	0.9	3.0	4.0	17.7	0.14	1.65	0.19	39	0.31	0.086
1346567	Soil	0.83	19.04	21.87	107.9	171	28.5	10.2	335	2.88	11.7	1.3	2.4	3.1	19.2	0.16	1.22	0.19	41	0.52	0.088
1346568	Soil	1.16	32.97	32.32	133.8	188	33.6	15.0	598	3.31	15.7	1.4	3.5	3.8	15.6	0.23	1.94	0.23	39	0.37	0.046
1346569	Soil	0.02	2.86	0.22	4.0	12	0.7	0.9	18	0.29	0.5	<0.1	<0.2	<0.1	9.0	<0.01	<0.02	<0.02	9	0.10	0.025
1346570	Soil	0.96	32.43	17.34	88.9	50	35.9	15.0	640	3.70	9.8	0.8	1.1	3.6	12.8	0.12	0.56	0.28	33	0.23	0.090



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			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
			0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1346532	Soil		15.2	27.9	1.35	105.8	0.014	3	1.52	0.006	0.06	0.2	2.9	0.22	0.05	54	0.5	0.04	4.1
1346533	Soil		13.3	18.7	3.13	118.8	0.009	2	1.13	0.007	0.04	0.2	2.2	0.17	0.04	35	0.3	0.03	3.2
1346534	Soil		27.3	29.6	0.73	160.9	0.009	3	2.29	0.002	0.05	0.2	4.1	0.24	0.05	49	0.6	0.05	3.7
1346535	Soil		15.7	20.4	2.77	156.8	0.015	2	1.31	0.007	0.05	0.2	2.9	0.21	0.03	39	0.4	0.03	3.0
1346536	Soil		16.0	19.6	3.32	110.5	0.008	3	1.24	0.007	0.06	0.1	2.0	0.29	0.06	55	0.4	0.03	2.8
1346537	Soil		15.6	25.4	1.73	158.2	0.017	3	1.39	0.008	0.05	0.2	3.6	0.20	0.03	50	0.2	0.02	4.1
1346538	Soil		12.2	14.8	5.09	111.2	0.007	2	0.94	0.007	0.04	0.1	2.0	0.18	0.03	45	0.4	0.02	2.3
1346539	Soil		18.6	27.4	1.01	175.1	0.011	2	1.64	0.005	0.06	0.1	2.7	0.27	0.06	63	0.4	0.05	4.3
1346540	Soil		17.4	25.4	0.95	178.4	0.007	3	2.08	0.002	0.05	0.1	2.8	0.33	0.07	42	0.4	0.05	4.1
1346541	Soil		13.7	28.8	0.44	158.0	0.011	2	2.19	0.002	0.06	0.2	2.4	0.21	0.06	38	0.3	0.05	5.3
1346551	Soil		10.8	27.1	1.91	191.8	0.011	2	1.71	0.006	0.06	0.2	3.4	0.29	0.05	98	0.4	0.05	4.8
1346552	Soil		11.4	23.7	0.42	191.5	0.007	3	1.49	0.003	0.09	0.2	3.6	0.40	0.07	122	0.5	0.04	4.9
1346553	Soil		13.9	18.7	0.74	187.1	0.005	2	1.11	0.003	0.08	0.1	4.3	0.34	0.05	198	0.8	0.05	3.3
1346554	Soil		11.3	25.5	0.50	143.2	0.008	2	1.52	0.003	0.06	0.2	3.4	0.16	<0.02	23	0.1	0.02	4.9
1346555	Soil		10.5	23.3	0.87	196.6	0.007	2	1.61	0.004	0.05	0.1	2.9	0.16	0.05	59	0.3	0.03	4.7
1346556	Soil		11.2	25.7	0.51	204.9	0.009	3	1.39	0.005	0.07	0.1	3.2	0.13	0.07	85	0.6	0.04	4.2
1346557	Soil		17.1	26.9	0.52	109.1	0.024	3	1.46	0.003	0.06	0.1	5.0	0.14	<0.02	45	0.3	0.05	4.5
1346558	Soil		12.4	19.1	1.66	209.1	0.009	6	0.88	0.007	0.06	0.1	5.3	0.16	0.05	74	0.5	0.04	2.3
1346559	Soil		14.9	27.3	0.47	217.8	0.013	2	1.52	0.004	0.05	0.2	4.5	0.19	<0.02	64	0.3	0.02	4.6
1346560	Soil		5.8	11.9	4.64	170.7	0.004	10	0.48	0.009	0.04	<0.1	3.1	0.27	0.04	130	0.5	<0.02	1.4
1346561	Soil		15.2	28.5	0.59	204.9	0.018	2	1.46	0.006	0.06	0.2	3.8	0.17	0.02	50	0.3	0.05	4.7
1346562	Soil		13.3	30.3	0.52	191.5	0.013	4	1.69	0.003	0.08	0.1	4.0	0.28	0.05	60	0.3	0.03	5.2
1346563	Soil		10.0	25.0	1.21	156.3	0.007	5	1.39	0.004	0.07	0.1	3.5	0.19	0.04	48	0.4	0.03	4.0
1346564	Soil		14.5	23.8	0.25	238.0	0.006	1	1.23	0.001	0.05	0.2	5.2	0.40	0.03	96	0.3	0.05	2.8
1346565	Soil		15.7	29.0	0.56	213.8	0.016	2	1.62	0.005	0.06	0.2	4.7	0.22	<0.02	49	0.3	0.04	4.7
1346566	Soil		15.8	25.6	0.51	156.2	0.020	2	1.56	0.004	0.05	0.2	3.7	0.17	<0.02	37	0.3	0.04	4.3
1346567	Soil		14.8	28.8	0.55	184.6	0.014	2	1.62	0.005	0.06	0.2	4.3	0.24	<0.02	92	0.3	0.03	4.6
1346568	Soil		14.9	27.7	0.52	185.5	0.011	2	1.52	0.004	0.07	0.2	5.1	0.22	<0.02	171	0.4	0.04	4.5
1346569	Soil		1.1	1.3	0.02	13.6	0.014	<1	0.14	0.058	0.04	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	0.6
1346570	Soil		12.7	30.2	0.72	175.4	0.004	3	1.90	0.003	0.10	<0.1	4.4	0.14	0.02	46	0.2	0.04	5.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346571	Soil	0.83	26.84	14.89	63.6	62	26.0	11.9	477	2.93	9.2	3.3	1.2	1.8	26.7	0.10	0.40	0.25	34	0.72	0.147	
1346572	Soil	0.75	41.33	23.49	103.7	101	32.8	11.8	575	3.04	11.0	4.3	1.8	2.4	17.7	0.13	0.39	0.32	29	0.48	0.162	
1346573	Soil	0.64	30.57	13.36	92.2	63	32.9	11.3	370	2.80	9.4	3.8	2.4	2.8	18.8	0.14	0.42	0.23	31	0.48	0.096	
1346574	Soil	0.94	32.19	26.14	93.4	88	29.1	11.2	538	2.87	6.9	1.9	0.7	1.8	25.0	0.20	0.47	0.29	37	0.74	0.072	
1346575	Soil	0.76	21.34	18.13	76.1	62	25.6	10.3	387	2.89	7.2	1.4	1.9	2.3	20.4	0.22	0.39	0.23	38	0.68	0.069	
1346576	Soil	0.70	20.31	18.26	112.8	184	29.4	10.1	370	2.91	7.8	1.7	1.8	2.3	10.7	0.17	0.41	0.20	31	0.23	0.079	
1346577	Soil	0.77	15.47	13.59	90.4	82	23.1	7.7	276	2.45	6.3	1.6	4.9	0.7	8.7	0.17	0.34	0.26	35	0.12	0.077	
1346578	Soil	1.77	23.79	15.28	77.4	465	21.6	9.7	444	1.82	8.0	3.6	6.6	2.3	116.6	0.49	0.37	0.16	25	5.09	0.095	
1346579	Soil	1.14	23.21	18.93	84.0	181	29.6	13.0	565	3.04	10.1	2.1	2.9	2.8	43.9	0.29	0.58	0.22	34	1.66	0.055	
1346580	Soil	1.21	21.94	21.18	96.1	60	29.9	13.9	787	3.65	10.2	0.9	1.1	1.8	18.9	0.17	0.64	0.25	44	0.45	0.075	
1346581	Soil	1.23	23.01	21.74	99.5	46	29.0	13.6	658	3.55	9.6	1.4	0.8	2.0	22.0	0.22	0.61	0.26	41	0.50	0.094	
1346582	Soil	0.95	17.40	13.88	131.2	61	23.7	11.3	481	2.96	7.8	0.6	0.6	1.4	10.9	0.26	0.45	0.25	29	0.21	0.067	
1346583	Soil	1.14	16.10	20.66	106.3	62	24.2	10.7	506	3.12	8.7	1.5	1.6	0.9	9.5	0.25	0.53	0.25	38	0.14	0.090	
1346584	Soil	1.27	19.30	19.12	82.9	53	23.5	11.3	599	3.25	9.2	0.9	9.1	1.1	21.0	0.23	0.56	0.24	41	0.49	0.080	
1346585	Soil	1.20	24.49	19.00	102.9	210	33.8	14.3	701	3.17	11.4	1.0	3.8	3.1	22.5	0.29	0.76	0.22	41	0.39	0.097	
1346586	Soil	1.12	23.07	20.76	90.3	173	30.5	14.6	726	3.41	11.3	1.0	1.5	2.3	23.6	0.22	0.72	0.23	36	0.54	0.098	
1346587	Soil	0.35	23.79	22.73	77.8	138	26.3	10.2	174	2.71	3.4	0.8	0.3	4.2	18.5	0.04	0.17	0.28	8	0.13	0.021	
1346588	Soil	1.06	19.31	26.48	113.3	247	29.9	10.2	1378	3.46	9.2	1.7	1.2	1.7	17.4	0.20	0.54	0.20	34	0.59	0.100	
1346589	Soil	0.92	11.13	61.58	87.8	267	17.0	6.7	659	1.93	11.9	0.9	0.4	1.0	24.3	0.20	0.31	0.13	10	7.03	0.094	
1346590	Soil	0.87	18.25	21.37	82.6	131	22.3	9.7	558	2.33	7.9	0.8	1.4	1.7	28.9	0.37	0.58	0.13	27	4.21	0.085	
1346591	Soil	0.87	10.19	40.85	138.2	112	15.8	9.0	1516	2.32	7.6	1.6	0.5	0.6	20.0	0.66	0.46	0.16	36	5.77	0.116	
1346592	Soil	0.95	13.86	33.97	110.0	180	23.2	9.3	673	2.58	8.7	1.3	1.9	1.5	18.0	0.36	0.58	0.17	36	2.83	0.086	
1346593	Soil	1.07	15.30	29.40	122.9	138	23.6	10.6	881	2.95	9.7	0.9	1.3	1.7	16.6	0.46	0.63	0.19	38	2.24	0.075	
1346594	Soil	1.26	13.57	124.5	235.7	52	22.8	10.4	1897	3.54	10.1	1.9	0.4	1.1	11.0	0.70	0.54	0.20	42	0.78	0.141	
1346595	Soil	1.47	12.28	23.77	96.6	12	16.4	10.1	781	2.96	9.1	0.6	0.6	0.4	8.3	0.18	0.56	0.24	50	0.16	0.058	
1346596	Soil	1.42	13.50	26.83	102.7	24	18.6	10.6	714	3.08	9.5	0.8	0.5	1.0	15.1	0.35	0.59	0.23	45	0.39	0.068	
1346597	Soil	1.16	13.69	68.23	597.8	136	18.4	7.3	1137	2.90	8.1	1.4	1.7	0.9	17.6	1.12	0.46	0.16	31	2.99	0.122	
1346598	Soil	1.27	11.09	18.69	99.2	28	16.2	8.4	546	2.79	8.2	0.6	1.9	0.6	8.2	0.18	0.46	0.24	46	0.19	0.062	
1346599	Soil	<0.01	2.86	0.26	3.9	9	0.6	0.8	18	0.26	0.6	<0.1	<0.2	<0.1	10.0	<0.01	<0.02	<0.02	9	0.10	0.025	
1346600	Soil	1.03	40.15	20.19	77.6	318	30.4	21.9	1025	3.02	10.0	2.3	1.0	0.6	28.3	0.16	0.56	0.22	24	0.21	0.299	



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Method Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
1346571	Soil		10.8	28.9	0.65	166.1	0.006	2	1.76	0.002	0.09	0.1	3.8	0.13	0.07	30	0.3	0.04	5.6
1346572	Soil		15.8	33.0	0.80	173.1	0.005	2	2.04	0.002	0.10	<0.1	5.3	0.14	0.08	33	0.5	0.03	5.5
1346573	Soil		20.6	32.9	0.86	220.5	0.008	2	1.74	0.003	0.08	0.1	5.2	0.11	0.03	27	0.4	0.03	5.2
1346574	Soil		12.6	28.9	0.63	160.9	0.008	2	1.74	0.003	0.07	0.1	3.0	0.13	0.04	33	0.3	0.03	5.5
1346575	Soil		14.7	30.7	0.92	189.3	0.007	2	1.79	0.002	0.07	0.1	3.9	0.13	0.04	36	0.4	<0.02	5.8
1346576	Soil		20.8	34.7	1.20	102.1	0.005	2	1.91	<0.001	0.09	<0.1	3.3	0.14	0.02	44	0.4	0.03	5.5
1346577	Soil		14.0	31.8	0.82	110.1	0.007	2	1.71	<0.001	0.06	0.1	1.4	0.13	0.03	27	0.2	0.03	5.7
1346578	Soil		16.0	23.2	2.80	54.3	0.006	6	0.80	0.007	0.11	<0.1	3.4	0.21	0.08	148	1.0	0.03	2.9
1346579	Soil		15.7	23.5	0.84	136.5	0.008	2	1.34	0.003	0.06	0.1	4.0	0.13	0.04	81	0.3	0.05	3.9
1346580	Soil		10.2	26.4	0.46	160.1	0.007	2	1.80	<0.001	0.06	0.2	3.1	0.15	0.04	26	0.2	0.02	5.1
1346581	Soil		8.7	24.4	0.42	175.4	0.006	2	1.75	<0.001	0.06	0.1	2.9	0.15	0.04	32	0.3	0.06	4.9
1346582	Soil		7.8	21.4	0.45	103.3	0.006	2	1.30	<0.001	0.06	<0.1	2.0	0.07	0.02	28	0.2	0.05	3.9
1346583	Soil		12.3	24.6	0.36	126.3	0.006	2	1.63	<0.001	0.06	0.1	2.1	0.15	0.04	34	0.3	0.03	4.5
1346584	Soil		9.8	23.2	0.37	139.8	0.007	2	1.53	<0.001	0.06	0.1	2.1	0.15	0.03	29	0.2	0.05	5.0
1346585	Soil		16.8	29.0	0.58	173.3	0.017	2	1.59	0.005	0.07	0.2	4.4	0.15	0.02	59	0.3	0.04	4.2
1346586	Soil		13.1	23.4	0.53	159.8	0.007	2	1.49	0.003	0.06	0.1	4.3	0.14	0.03	50	0.4	0.04	3.9
1346587	Soil		2.3	8.2	0.22	43.6	<0.001	1	0.65	<0.001	0.06	<0.1	3.3	0.09	<0.02	46	0.3	<0.02	1.4
1346588	Soil		14.8	24.6	0.46	206.7	0.006	2	1.69	0.002	0.06	0.1	4.0	0.17	0.06	58	0.5	0.03	3.4
1346589	Soil		4.2	9.0	3.51	29.4	0.002	3	0.41	0.006	0.06	<0.1	2.2	0.40	0.04	45	0.4	0.03	0.8
1346590	Soil		9.6	16.9	2.45	99.6	0.012	2	0.87	0.007	0.05	0.2	2.8	0.10	0.04	48	0.3	0.04	2.7
1346591	Soil		9.1	20.1	3.00	137.5	0.012	2	1.08	0.006	0.05	0.1	1.6	0.13	0.04	32	0.3	0.02	3.1
1346592	Soil		11.3	23.3	1.80	113.9	0.015	2	1.21	0.007	0.05	0.2	2.8	0.12	0.04	56	0.3	0.03	3.5
1346593	Soil		12.2	24.3	1.55	118.9	0.013	2	1.36	0.005	0.05	0.2	3.3	0.13	0.03	62	0.4	0.05	3.8
1346594	Soil		13.6	27.1	0.62	141.2	0.008	2	1.95	0.001	0.05	0.1	2.8	0.40	0.06	35	0.3	0.03	4.4
1346595	Soil		9.4	23.3	0.34	163.7	0.010	<1	1.35	0.001	0.05	0.2	1.2	0.17	0.02	14	0.2	0.05	5.8
1346596	Soil		8.6	23.1	0.42	124.8	0.012	2	1.57	<0.001	0.05	0.2	2.1	0.17	0.04	43	0.3	0.04	5.2
1346597	Soil		10.2	20.4	1.63	106.8	0.010	2	1.15	0.005	0.05	0.1	2.1	0.43	0.08	43	0.3	0.04	3.3
1346598	Soil		8.3	21.9	0.36	134.6	0.009	<1	1.36	0.001	0.05	0.2	1.4	0.18	0.02	25	0.2	0.03	5.5
1346599	Soil		1.1	1.1	0.02	14.0	0.014	<1	0.15	0.055	0.04	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	0.7
1346600	Soil		16.6	23.6	0.32	143.4	0.004	2	1.60	0.005	0.08	<0.1	1.9	0.14	0.12	116	0.7	0.03	4.2

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346645	Soil	0.96	21.40	17.60	99.8	101	26.7	13.1	445	3.29	10.1	0.9	1.5	1.8	14.3	0.20	0.43	0.23	27	0.24	0.101
1346646	Soil	0.92	25.73	17.49	79.1	124	29.0	14.0	565	3.11	7.4	1.2	1.0	2.3	22.1	0.15	0.32	0.24	24	0.52	0.077
1346647	Soil	1.03	25.95	15.20	80.9	103	30.8	13.0	692	3.12	9.5	0.7	0.9	1.3	21.2	0.14	0.52	0.21	32	0.37	0.103
1346648	Soil	1.01	24.72	18.59	70.6	80	21.4	11.1	401	3.03	8.2	0.9	1.0	1.9	20.7	0.08	0.34	0.24	31	0.15	0.111
1346649	Soil	0.69	24.14	17.75	85.6	378	30.9	14.6	1293	3.06	7.0	1.2	0.7	1.5	54.3	0.28	0.30	0.16	16	1.22	0.164
1346650	Soil	0.90	24.69	18.51	83.4	187	31.6	12.5	732	3.28	8.3	0.7	1.3	2.6	25.6	0.17	0.41	0.21	26	0.53	0.081
1346651	Soil	1.17	14.26	17.53	87.3	175	20.2	11.2	615	3.55	13.0	0.8	0.8	4.0	12.7	0.17	0.64	0.23	40	0.11	0.098
1346652	Soil	1.04	19.80	17.37	80.4	154	17.4	10.0	735	2.54	8.2	1.0	0.2	0.3	20.6	0.25	0.43	0.24	26	0.29	0.170
1346653	Soil	1.38	22.31	18.28	77.3	133	21.8	11.9	621	3.76	10.4	0.8	0.6	0.7	10.3	0.15	0.50	0.28	30	0.04	0.156
1346654	Soil	1.42	27.86	23.44	99.7	58	27.1	20.0	1088	3.78	11.8	1.1	0.9	0.8	14.8	0.28	0.45	0.29	27	0.13	0.219
1346655	Soil	1.37	39.91	18.77	106.3	112	35.3	17.4	483	3.31	11.6	1.1	1.6	4.5	26.7	0.31	0.61	0.21	29	0.38	0.105
1346656	Soil	0.72	32.75	22.78	88.0	88	28.9	12.2	391	2.66	7.2	0.9	12.0	3.4	18.7	0.20	0.39	0.18	28	0.44	0.077
1346658	Soil	0.84	19.81	16.57	104.6	243	23.1	9.2	1136	2.34	8.4	3.9	6.5	1.3	51.3	0.70	0.48	0.18	27	1.34	0.096
1346659	Soil	0.94	21.21	17.22	85.0	67	29.2	11.8	533	3.62	10.7	2.0	2.9	2.2	17.4	0.14	0.70	0.24	33	0.41	0.050
1346660	Soil	1.12	13.65	11.59	90.0	117	24.1	7.4	357	2.54	8.3	1.8	2.3	0.6	13.2	0.24	0.57	0.22	36	0.24	0.107
1346661	Soil	0.83	14.22	14.59	73.5	168	23.8	8.0	419	2.91	7.6	2.6	2.0	2.2	34.1	0.33	0.50	0.19	31	1.24	0.110
1346662	Soil	0.93	13.05	13.73	71.5	83	19.9	7.8	493	2.62	8.2	1.6	1.5	0.9	24.0	0.23	0.54	0.23	38	0.72	0.153
1346663	Soil	1.25	10.46	12.50	81.0	25	13.6	5.8	485	2.51	6.8	0.9	0.8	0.3	10.2	0.11	0.46	0.25	42	0.15	0.136
1346664	Soil	1.03	19.57	17.06	84.7	78	26.7	10.6	538	3.03	10.1	1.5	2.0	1.4	33.8	0.18	0.64	0.22	31	0.94	0.070
1346665	Soil	0.71	22.97	23.47	186.1	165	29.5	11.1	385	2.84	8.3	1.1	1.2	2.7	34.5	0.36	0.52	0.27	18	1.10	0.078
1346666	Soil	0.81	17.72	14.19	207.9	118	24.6	9.5	577	2.92	8.5	2.1	1.5	1.1	27.9	0.38	0.49	0.22	29	0.65	0.114
1346667	Soil	1.12	19.91	18.78	112.4	32	29.5	12.4	665	3.62	11.0	0.7	1.2	2.4	9.1	0.29	0.70	0.21	28	0.12	0.087
1346668	Soil	0.94	12.17	11.55	86.2	72	15.9	5.6	306	2.40	6.8	0.6	1.3	0.5	18.0	0.16	0.45	0.23	33	0.31	0.076
1346669	Soil	0.63	18.79	22.24	92.2	164	22.9	7.9	446	3.10	5.0	0.7	1.0	2.4	25.3	0.12	0.28	0.30	12	0.44	0.060
1346670	Soil	0.90	15.04	18.62	97.4	36	21.2	9.6	505	3.31	7.9	0.6	1.0	1.9	15.4	0.19	0.45	0.27	26	0.33	0.050
1346671	Soil	0.40	18.11	19.72	58.4	135	16.1	5.5	161	2.66	3.1	0.7	1.1	3.5	12.1	0.04	0.19	0.27	6	0.23	0.030
1346672	Soil	0.64	21.53	20.74	88.7	213	25.5	10.9	751	2.73	5.2	0.6	3.2	2.2	22.1	0.14	0.33	0.22	15	2.01	0.065
1346673	Soil	0.86	9.27	19.04	73.6	71	12.4	6.4	1694	2.20	5.5	1.0	0.4	0.6	17.6	0.38	0.28	0.16	24	3.97	0.103
1346674	Soil	1.32	18.91	78.15	73.8	208	27.0	9.1	3498	3.82	12.0	3.1	1.7	2.5	23.5	0.50	0.43	0.17	24	4.49	0.169
1346680	Soil	0.82	19.05	11.72	58.9	247	21.4	6.5	300	2.41	6.1	0.8	1.7	1.6	43.2	0.07	0.31	0.20	19	0.75	0.154

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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1346645	Soil	7.9	21.7	0.39	110.4	0.004	2	1.43	0.002	0.06	<0.1	3.4	0.11	0.04	50	0.4	0.03	4.0	
1346646	Soil	7.0	22.5	0.47	94.9	0.004	1	1.32	0.002	0.07	<0.1	4.1	0.10	0.04	91	0.4	0.04	3.9	
1346647	Soil	8.6	23.9	0.45	132.6	0.006	2	1.36	0.003	0.06	0.2	2.6	0.13	0.04	42	0.3	0.03	4.3	
1346648	Soil	7.5	22.6	0.33	147.6	0.003	1	1.52	0.003	0.09	0.1	2.8	0.16	0.08	53	0.4	0.05	4.7	
1346649	Soil	6.5	15.6	0.28	141.6	0.003	3	1.08	0.009	0.11	<0.1	3.1	0.17	0.16	127	0.6	0.03	3.0	
1346650	Soil	7.7	20.2	0.37	124.7	0.004	2	1.29	0.003	0.07	0.1	3.9	0.12	0.04	75	0.4	0.03	3.8	
1346651	Soil	9.8	24.9	0.32	111.7	0.008	<1	1.81	<0.001	0.05	0.2	3.2	0.15	0.03	39	0.5	0.05	5.0	
1346652	Soil	6.2	18.7	0.23	134.2	0.005	2	0.96	0.004	0.09	0.1	1.2	0.12	0.06	52	0.2	0.06	4.0	
1346653	Soil	5.2	22.8	0.31	79.5	0.004	1	1.33	0.002	0.08	<0.1	1.2	0.13	0.06	51	0.4	0.04	4.9	
1346654	Soil	5.8	23.2	0.44	87.7	0.004	2	1.46	0.003	0.09	<0.1	1.5	0.11	0.07	42	0.4	0.07	4.7	
1346655	Soil	10.2	21.6	0.53	97.1	0.016	1	1.17	0.006	0.06	0.1	4.3	0.09	0.03	57	0.4	0.02	3.5	
1346656	Soil	18.8	31.4	1.07	114.7	0.012	2	1.44	0.004	0.06	0.1	5.3	0.07	0.02	28	0.5	0.04	4.5	
1346658	Soil	14.6	20.7	0.71	162.5	0.007	4	1.28	0.004	0.06	<0.1	3.3	0.10	0.07	844	0.6	0.03	3.9	
1346659	Soil	8.3	22.7	0.53	160.6	0.004	2	1.80	0.002	0.06	0.1	3.4	0.15	<0.02	31	0.3	0.05	4.4	
1346660	Soil	10.6	21.6	0.40	112.6	0.008	2	1.68	0.003	0.05	0.2	1.8	0.16	0.03	42	0.4	0.03	4.9	
1346661	Soil	15.7	23.0	0.55	117.3	0.005	2	1.83	0.004	0.05	0.2	5.3	0.12	0.05	62	0.4	0.03	3.8	
1346662	Soil	9.8	23.1	0.35	176.7	0.009	1	1.62	0.004	0.05	0.2	2.8	0.16	0.05	54	0.3	0.03	4.8	
1346663	Soil	6.1	19.2	0.27	157.2	0.006	2	1.42	0.002	0.05	0.2	1.1	0.16	0.06	21	0.2	0.03	5.8	
1346664	Soil	7.5	21.4	0.46	135.8	0.008	2	1.36	0.003	0.06	0.2	3.2	0.12	0.05	47	0.3	0.04	4.1	
1346665	Soil	8.6	15.6	0.37	83.3	0.003	3	0.89	0.003	0.06	<0.1	4.0	0.11	0.02	71	0.5	0.05	2.5	
1346666	Soil	8.7	21.9	0.44	123.9	0.009	2	1.49	0.003	0.06	0.1	3.1	0.13	0.06	77	0.6	0.03	4.1	
1346667	Soil	7.9	22.3	0.42	100.0	0.007	2	1.66	0.001	0.05	0.1	3.4	0.11	0.02	58	0.3	0.04	3.9	
1346668	Soil	6.9	18.9	0.30	129.3	0.008	2	1.24	0.002	0.05	0.2	1.7	0.14	0.04	41	0.4	0.04	4.9	
1346669	Soil	4.1	12.5	0.22	73.4	0.002	2	0.81	0.002	0.07	<0.1	3.9	0.14	0.04	50	0.3	0.02	2.4	
1346670	Soil	4.9	16.5	0.35	59.3	0.005	1	1.05	0.002	0.06	0.1	2.8	0.11	<0.02	25	0.2	0.04	3.7	
1346671	Soil	2.6	8.4	0.17	56.3	<0.001	2	0.55	0.002	0.07	<0.1	3.7	0.12	0.06	40	0.2	0.03	1.6	
1346672	Soil	6.0	11.8	1.03	86.6	0.004	4	0.53	0.004	0.08	<0.1	3.6	0.21	0.09	51	0.3	0.04	1.5	
1346673	Soil	4.4	14.7	1.87	132.8	0.005	2	1.07	0.005	0.04	<0.1	1.8	0.14	0.07	53	0.3	0.03	3.1	
1346674	Soil	14.3	20.0	2.54	150.8	0.004	3	1.92	0.003	0.05	<0.1	4.8	0.58	0.04	63	0.5	0.05	3.2	
1346680	Soil	5.0	16.7	0.38	118.7	0.003	2	1.19	0.005	0.07	<0.1	3.4	0.13	0.08	100	0.4	0.03	3.5	

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CERTIFICATE OF ANALYSIS

WHI12000497.1

Method Analyte	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346681	Soil	1.11	19.93	28.34	99.5	231	28.6	12.3	918	3.41	13.7	0.8	1.7	2.3	42.4	0.27	1.16	0.20	32	1.65	0.104
1346682	Soil	1.05	12.56	12.46	69.8	51	22.0	6.7	272	2.59	9.6	0.8	1.3	0.8	15.4	0.11	0.63	0.23	42	0.31	0.072
1346683	Soil	1.17	24.36	22.63	110.5	130	31.4	12.6	770	3.59	16.6	0.8	1.6	2.5	17.5	0.31	1.36	0.22	36	0.29	0.077
1346684	Soil	0.87	15.17	12.40	75.6	181	27.4	9.0	451	2.75	9.9	0.7	1.7	1.9	22.7	0.14	0.65	0.19	35	0.63	0.065
1346685	Soil	1.04	16.14	14.84	91.2	133	26.2	9.9	749	3.13	9.6	1.1	4.3	1.8	17.4	0.32	0.63	0.20	38	0.52	0.072
1346686	Soil	0.74	12.94	13.88	97.9	108	16.5	8.3	467	2.25	13.3	8.1	3.4	1.0	62.6	0.52	0.40	0.16	34	1.59	0.090
1346687	Soil	0.83	19.96	13.45	130.5	310	20.1	8.0	425	2.21	11.6	11.8	3.2	0.8	81.5	0.80	0.48	0.16	29	1.89	0.120
1346688	Soil	0.80	24.03	14.56	83.8	178	25.5	10.7	669	2.60	9.5	4.0	3.3	1.4	51.0	0.33	0.52	0.18	29	1.06	0.075
1346689	Soil	0.95	16.06	13.31	125.1	196	21.9	9.7	392	2.45	8.6	5.2	4.1	2.2	30.2	0.42	0.45	0.15	29	0.74	0.059
1346690	Soil	1.05	20.91	14.77	90.0	114	23.2	9.9	549	2.68	9.6	5.6	2.5	1.0	44.6	0.28	0.59	0.20	34	1.19	0.089
1346691	Soil	1.12	21.40	14.44	66.4	311	20.8	11.9	957	2.49	11.6	13.8	3.2	0.7	122.4	0.31	0.52	0.22	35	2.18	0.154
1346692	Soil	1.22	10.29	13.58	217.0	38	17.6	6.6	196	2.70	8.8	1.1	1.1	2.1	21.3	1.02	0.53	0.21	47	0.59	0.030
1346693	Soil	2.42	11.24	35.25	1320	334	16.4	7.4	734	4.06	14.5	4.5	2.3	0.9	132.2	4.05	0.36	0.07	11	5.67	0.099
1346694	Soil	1.25	16.85	18.68	135.9	71	26.3	11.3	410	3.60	12.4	2.3	1.3	2.2	22.5	0.31	0.72	0.19	32	0.73	0.062
1346695	Soil	1.18	26.40	16.66	661.0	145	34.1	12.1	580	3.16	11.4	2.8	3.2	1.7	26.6	1.11	0.83	0.21	34	0.75	0.052
1346696	Soil	0.63	19.14	20.63	99.2	160	23.5	8.5	397	2.91	5.7	0.8	0.7	2.4	34.6	0.18	0.32	0.28	14	0.55	0.062
1346697	Soil	0.66	22.44	24.08	109.0	168	27.0	9.7	441	3.21	5.8	0.9	2.1	2.8	30.2	0.15	0.30	0.31	13	0.38	0.048
1346698	Soil	0.79	15.54	15.48	121.2	150	20.3	9.6	584	2.66	7.5	1.6	2.9	0.9	48.0	0.37	0.40	0.23	27	1.06	0.095
1346699	Soil	0.93	25.79	24.16	118.4	149	31.4	12.8	665	2.73	9.4	1.1	0.3	3.1	40.9	0.30	0.63	0.25	30	0.85	0.065
1346700	Soil	0.71	20.46	18.72	102.5	94	26.1	13.6	336	2.79	14.1	1.0	1.3	2.9	34.8	0.29	0.97	0.21	30	0.60	0.077
1346901	Soil	0.95	28.68	8.16	44.6	105	40.4	11.8	382	2.04	8.9	1.4	2.7	5.5	79.7	0.32	0.64	0.11	42	2.67	0.096
1346902	Soil	0.80	28.89	8.03	44.9	105	39.2	10.8	384	2.03	8.6	1.3	3.3	5.2	77.4	0.27	0.66	0.11	43	2.65	0.087
1346903	Soil	0.84	27.50	7.58	44.9	97	40.3	9.4	376	2.01	8.3	1.3	4.7	4.9	75.1	0.28	0.64	0.10	42	2.61	0.080
1298639	Soil	1.14	10.61	6.44	97.3	34	26.6	4.4	225	1.17	5.8	1.1	<0.2	0.9	109.1	0.95	0.34	<0.02	16	17.50	0.057
1298640	Soil	1.34	9.72	6.52	125.0	49	27.9	3.8	210	1.12	8.3	1.1	1.4	0.6	65.2	1.50	0.52	0.04	22	15.85	0.064
1298641	Soil	1.13	7.80	6.73	109.4	46	22.8	3.1	232	0.89	5.9	1.0	<0.2	0.4	62.4	1.34	0.37	0.02	18	16.74	0.058
1298642	Soil	1.10	6.09	5.00	106.7	29	23.4	2.3	156	0.74	5.5	1.3	0.6	0.8	74.2	1.70	0.35	<0.02	13	19.06	0.045
1298643	Soil	1.04	6.21	6.00	91.9	36	21.8	2.9	156	0.95	5.8	1.6	<0.2	1.5	76.0	1.24	0.33	0.05	13	18.81	0.051
1298644	Soil	1.93	8.27	10.03	49.3	38	24.0	5.1	161	2.08	9.7	1.0	0.9	5.2	146.8	0.61	0.32	0.07	9	16.09	0.082
1298645	Soil	0.98	15.53	4.40	379.7	23	82.2	3.3	182	0.45	4.7	2.6	0.7	0.8	57.0	5.26	0.58	<0.02	22	28.95	0.049



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Project: CAR
 Report Date: August 15, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
1346681	Soil		12.9	21.9	0.85	200.4	0.008	2	1.63	0.004	0.05	0.2	5.3	0.14	0.02	118	0.4	0.03	3.5
1346682	Soil		9.9	25.1	0.48	154.6	0.010	1	1.71	0.003	0.04	0.2	2.2	0.17	0.02	35	0.3	0.05	5.6
1346683	Soil		12.1	24.8	0.44	175.1	0.006	2	1.74	0.003	0.06	0.2	4.6	0.17	<0.02	104	0.4	0.05	4.2
1346684	Soil		12.5	25.9	0.70	211.7	0.009	2	1.58	0.004	0.05	0.2	3.8	0.13	0.03	50	0.5	0.03	5.0
1346685	Soil		17.6	27.9	0.69	421.7	0.012	2	1.63	0.003	0.05	0.2	5.1	0.13	0.02	72	0.6	0.04	5.2
1346686	Soil		12.4	22.2	0.64	142.7	0.012	2	1.46	0.004	0.05	0.1	3.2	0.14	0.08	92	0.6	0.02	4.5
1346687	Soil		14.4	20.8	0.56	186.6	0.013	4	1.26	0.006	0.06	<0.1	3.1	0.20	0.10	150	1.0	0.02	3.7
1346688	Soil		16.9	25.3	0.85	125.1	0.009	2	1.48	0.002	0.06	0.1	3.9	0.12	0.05	102	0.5	0.03	4.9
1346689	Soil		11.5	23.1	1.02	85.0	0.010	3	1.36	0.002	0.09	<0.1	4.3	0.12	0.04	92	0.4	0.02	4.4
1346690	Soil		11.7	22.8	0.57	160.7	0.010	3	1.42	0.003	0.05	0.1	3.3	0.15	0.06	69	0.5	0.02	4.7
1346691	Soil		14.7	23.5	0.47	206.1	0.010	3	1.45	0.004	0.04	0.2	2.8	0.14	0.12	199	1.2	0.04	4.7
1346692	Soil		10.0	23.2	0.48	100.9	0.009	2	1.72	0.001	0.04	0.2	2.7	0.16	<0.02	33	0.2	0.03	6.3
1346693	Soil		11.6	7.7	2.57	74.0	0.003	3	0.32	0.006	0.05	<0.1	2.3	0.21	0.08	307	0.8	<0.02	1.1
1346694	Soil		11.1	23.9	0.53	114.2	0.005	2	1.75	0.002	0.05	0.1	4.3	0.15	0.03	56	0.4	0.05	4.5
1346695	Soil		10.3	23.0	0.60	135.5	0.014	2	1.42	0.005	0.07	0.2	3.7	0.20	0.02	79	0.6	0.04	4.3
1346696	Soil		4.7	12.7	0.24	82.5	0.002	2	0.85	0.002	0.06	<0.1	3.6	0.13	0.04	63	0.5	0.02	2.5
1346697	Soil		5.0	13.0	0.24	81.0	0.002	2	0.85	0.002	0.06	<0.1	4.2	0.13	0.03	81	0.4	0.03	2.5
1346698	Soil		7.2	19.5	0.38	122.5	0.007	3	1.23	0.004	0.06	<0.1	2.5	0.12	0.08	80	0.5	0.03	3.6
1346699	Soil		13.0	21.3	0.50	122.8	0.009	4	1.23	0.006	0.08	<0.1	3.8	0.12	0.04	58	0.3	0.04	3.3
1346700	Soil		12.0	23.7	0.50	97.7	0.011	3	1.21	0.005	0.06	0.1	3.4	0.08	0.03	76	0.6	<0.02	3.3
1346901	Soil		13.9	48.9	0.88	201.6	0.084	3	1.06	0.033	0.11	0.2	3.7	0.09	0.04	34	0.5	<0.02	3.5
1346902	Soil		13.4	45.8	0.88	196.9	0.084	2	1.02	0.031	0.11	0.2	3.8	0.08	0.04	35	<0.1	0.03	3.7
1346903	Soil		13.6	39.2	0.87	171.1	0.079	2	1.07	0.031	0.10	0.3	3.7	0.08	0.04	46	0.2	<0.02	3.7
1298639	Soil		16.1	6.6	6.66	843.8	0.003	5	0.31	0.008	0.08	<0.1	1.3	0.41	0.04	26	0.3	0.03	0.9
1298640	Soil		12.6	10.1	6.61	279.2	0.004	4	0.40	0.008	0.05	<0.1	1.1	0.41	0.04	22	0.2	<0.02	1.0
1298641	Soil		11.3	11.3	7.13	988.2	0.004	5	0.35	0.008	0.04	<0.1	0.8	0.27	0.06	20	0.3	0.05	0.9
1298642	Soil		9.1	6.4	7.97	1035	0.003	4	0.25	0.008	0.04	<0.1	0.9	0.32	0.04	8	0.2	0.03	0.6
1298643	Soil		13.9	5.5	7.03	294.8	0.003	4	0.25	0.008	0.07	<0.1	1.0	0.23	0.03	11	<0.1	0.03	0.7
1298644	Soil		20.9	5.7	2.10	170.3	0.002	10	0.33	0.006	0.17	<0.1	1.9	0.29	0.22	21	<0.1	0.05	1.1
1298645	Soil		7.3	4.2	6.23	60.7	0.002	1	0.24	0.005	0.04	<0.1	1.3	0.58	<0.02	31	0.3	0.05	0.5



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1298646	Soil	2.44	22.38	9.21	621.5	64	169.9	5.2	250	1.44	16.2	3.0	0.6	1.4	41.4	7.26	1.33	0.06	54	13.60	0.118
1298647	Soil	2.28	21.14	12.83	344.4	58	92.4	6.7	292	1.74	16.4	2.8	0.6	1.8	43.8	2.46	1.17	0.08	44	14.27	0.122
1298648	Soil	2.15	3.25	3.94	13.1	17	10.2	3.2	128	0.64	8.0	0.6	<0.2	0.7	53.7	0.12	0.53	<0.02	10	20.54	0.041
1298649	Soil	1.42	15.55	8.45	154.0	44	43.3	4.5	176	1.39	17.8	1.2	<0.2	2.2	112.7	2.04	0.63	0.03	23	16.79	0.072
1298650	Soil	4.54	5.90	6.05	29.5	39	11.1	3.8	176	1.34	11.0	1.5	<0.2	1.9	82.0	0.17	0.55	<0.02	16	14.00	0.062



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1298646	Soil	16.8	13.2	6.83	126.4	0.003	3	0.80	0.006	0.05	<0.1	2.0	0.79	0.03	36	0.6	0.05	1.3	
1298647	Soil	17.1	12.9	7.16	179.9	0.003	2	0.66	0.007	0.07	<0.1	2.4	0.59	0.03	37	0.3	0.02	1.3	
1298648	Soil	5.8	7.6	10.29	54.3	0.001	2	0.14	0.005	0.03	<0.1	1.1	0.25	<0.02	10	0.2	0.05	0.2	
1298649	Soil	16.2	11.6	6.50	134.2	0.002	4	0.44	0.007	0.08	<0.1	2.0	0.48	0.04	36	0.3	0.05	1.1	
1298650	Soil	20.1	7.5	6.33	59.1	0.002	2	0.26	0.009	0.04	<0.1	2.1	0.22	0.03	7	0.4	<0.02	0.7	



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QUALITY CONTROL REPORT

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1298970	Soil	2.04	29.94	69.52	178.7	654	30.4	17.1	1823	5.26	33.4	1.3	3.4	3.3	23.3	0.96	6.04	0.26	36	1.57	0.128
REP 1298970	QC	2.03	28.99	67.23	168.1	604	30.3	16.6	1795	5.20	32.4	1.3	2.1	3.3	22.9	0.97	5.71	0.25	37	1.44	0.122
1298982	Soil	0.97	29.72	36.31	78.1	271	23.1	11.9	950	5.86	19.1	0.8	1.6	2.1	11.9	0.71	1.18	0.21	31	0.71	0.067
REP 1298982	QC	1.01	29.64	36.34	80.1	277	23.0	11.8	988	5.82	19.4	0.8	1.9	2.2	12.0	0.68	1.18	0.22	31	0.74	0.067
1303186	Soil	1.11	23.38	34.89	136.0	120	29.5	14.8	1070	3.29	13.2	1.1	1.6	2.6	66.9	0.68	0.45	0.27	20	3.75	0.147
REP 1303186	QC	1.10	23.18	42.67	140.6	126	30.2	14.9	1055	3.26	13.1	1.0	1.1	2.5	66.4	0.59	0.45	0.26	20	3.81	0.147
1303198	Soil	1.02	24.41	33.80	97.7	44	23.5	14.2	788	3.32	6.7	1.0	0.6	1.7	9.5	0.17	0.33	0.36	31	0.35	0.094
REP 1303198	QC	1.06	23.91	33.13	92.6	44	23.9	13.8	788	3.31	6.7	0.9	<0.2	1.8	9.3	0.18	0.31	0.38	30	0.31	0.092
1298636	Soil	6.70	265.7	>10000	>10000	3752	115.2	55.0	1454	20.80	101.2	22.4	1.0	8.0	52.0	22.52	4.84	1.62	39	5.20	0.347
REP 1298636	QC																				
1346615	Soil	0.05	3.15	0.38	3.7	15	0.9	0.8	18	0.26	0.5	<0.1	0.4	<0.1	10.4	<0.01	<0.02	<0.02	8	0.10	0.024
REP 1346615	QC	0.03	3.17	0.31	3.6	11	0.8	0.9	16	0.26	0.2	<0.1	<0.2	<0.1	10.0	<0.01	<0.02	<0.02	8	0.11	0.025
1346629	Soil	1.30	20.70	18.08	78.9	396	23.3	7.7	205	2.38	9.9	3.0	6.0	1.6	34.5	0.29	0.50	0.15	32	1.04	0.070
REP 1346629	QC	1.29	20.90	17.23	79.9	373	24.2	8.0	211	2.38	9.9	2.9	3.7	1.6	33.4	0.36	0.52	0.13	32	1.05	0.069
1303421	Soil	1.14	21.91	35.78	79.7	150	22.1	11.2	1106	5.27	16.8	1.3	0.8	2.7	15.9	0.28	2.27	0.27	42	0.45	0.060
REP 1303421	QC	1.23	22.53	35.94	78.4	159	21.8	11.2	1108	5.25	17.1	1.4	1.3	2.8	16.4	0.30	2.30	0.26	42	0.45	0.061
1303433	Soil	1.00	31.16	27.13	120.7	64	32.3	14.0	409	3.40	14.4	1.1	0.8	2.4	14.9	0.40	1.26	0.23	36	0.15	0.092
REP 1303433	QC	1.06	31.73	27.56	120.6	63	33.4	14.3	423	3.42	14.7	1.1	1.8	2.5	15.3	0.37	1.24	0.22	36	0.15	0.094
1346507	Soil	0.86	38.70	62.45	113.5	67	29.8	17.1	902	3.42	7.0	1.6	1.9	2.9	8.1	0.12	0.30	0.30	24	0.17	0.059
REP 1346507	QC	0.84	38.99	63.56	112.0	68	29.3	16.6	891	3.34	6.9	1.6	1.9	2.9	8.1	0.15	0.32	0.31	24	0.15	0.058
1346519	Soil	1.08	19.89	22.16	128.8	205	22.7	8.0	271	2.50	10.0	4.3	1.1	1.8	41.1	0.39	0.50	0.14	25	1.29	0.133
REP 1346519	QC	1.00	20.06	22.75	126.0	198	23.6	8.2	248	2.52	9.7	4.2	1.2	1.9	39.4	0.44	0.49	0.13	25	1.29	0.140
1346552	Soil	1.29	27.76	38.48	162.5	199	24.5	12.9	638	3.10	18.5	2.1	2.0	1.1	35.2	0.32	1.92	0.28	42	1.43	0.146
REP 1346552	QC	1.29	28.64	38.28	170.1	187	25.4	13.2	640	3.21	18.8	2.1	1.5	1.1	34.1	0.28	2.11	0.27	41	1.40	0.151
1346564	Soil	1.54	15.39	35.79	139.1	139	21.2	13.1	2508	6.93	17.5	1.5	1.2	1.8	7.1	0.91	2.73	0.28	47	0.23	0.091
REP 1346564	QC	1.57	15.19	35.65	139.1	129	21.0	13.2	2541	7.06	17.3	1.5	0.8	1.9	7.4	0.87	2.77	0.27	48	0.23	0.091
1346588	Soil	1.06	19.31	26.48	113.3	247	29.9	10.2	1378	3.46	9.2	1.7	1.2	1.7	17.4	0.20	0.54	0.20	34	0.59	0.100
REP 1346588	QC	1.02	19.13	26.19	109.8	250	29.9	10.2	1329	3.44	8.9	1.7	1.4	1.6	17.3	0.18	0.56	0.20	35	0.58	0.101

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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000497.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01	
Pulp Duplicates																				
1298970	Soil	14.3	23.7	0.78	342.5	0.005	3	1.86	0.003	0.08	0.2	6.5	0.82	0.03	210	0.6	0.08	3.7		
REP 1298970	QC	14.3	22.5	0.75	327.8	0.005	3	1.91	0.003	0.08	0.2	6.5	0.80	0.03	206	0.7	0.09	3.8		
1298982	Soil	15.3	20.7	0.41	175.0	0.003	3	1.28	0.002	0.08	<0.1	6.3	0.23	0.04	87	0.5	0.02	3.0		
REP 1298982	QC	15.6	21.2	0.41	180.5	0.003	3	1.27	0.002	0.08	0.1	6.5	0.23	0.04	64	0.5	0.04	3.1		
1303186	Soil	12.4	14.1	1.17	122.8	0.005	5	1.00	0.009	0.10	<0.1	4.8	0.13	0.10	50	0.5	0.04	2.5		
REP 1303186	QC	12.3	13.7	1.21	126.1	0.005	4	1.00	0.009	0.11	<0.1	4.2	0.14	0.10	102	0.3	0.03	2.3		
1303198	Soil	10.1	26.8	0.37	140.3	0.006	3	1.61	0.003	0.21	<0.1	2.8	0.18	0.04	15	<0.1	0.07	5.7		
REP 1303198	QC	9.9	27.8	0.35	138.6	0.006	4	1.61	0.003	0.21	<0.1	2.7	0.16	0.04	13	<0.1	0.04	5.8		
1298636	Soil	4.1	33.8	3.55	20.7	0.003	<1	1.87	0.003	0.02	<0.1	15.2	8.13	0.16	>50000	<0.1	<0.02	5.7	1.62	1.32
REP 1298636	QC																		1.62	1.31
1346615	Soil	1.1	1.3	0.02	13.4	0.013	<1	0.14	0.054	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6		
REP 1346615	QC	1.1	1.1	0.02	13.8	0.013	<1	0.15	0.051	0.04	<0.1	0.3	<0.02	<0.02	<5	0.1	<0.02	0.6		
1346629	Soil	21.1	23.4	0.83	96.9	0.008	3	1.32	0.003	0.10	<0.1	3.8	0.14	0.05	107	0.7	<0.02	3.8		
REP 1346629	QC	20.6	23.0	0.84	95.3	0.008	4	1.33	0.003	0.10	0.4	3.7	0.14	0.05	111	0.7	<0.02	3.7		
1303421	Soil	13.8	22.1	0.35	147.2	0.008	1	1.42	0.002	0.05	0.2	4.4	0.21	0.03	132	0.3	0.03	4.1		
REP 1303421	QC	14.5	22.7	0.35	146.5	0.008	<1	1.47	0.002	0.05	0.1	4.6	0.22	0.03	139	0.3	0.04	4.2		
1303433	Soil	16.3	26.0	0.41	87.9	0.010	<1	1.49	0.002	0.05	0.1	3.5	0.15	<0.02	57	0.5	<0.02	3.8		
REP 1303433	QC	16.3	25.9	0.41	84.9	0.010	<1	1.52	0.002	0.05	0.1	3.6	0.15	<0.02	56	0.4	0.04	3.8		
1346507	Soil	9.6	24.0	0.38	138.8	0.006	2	1.44	0.002	0.15	<0.1	5.9	0.20	<0.02	28	<0.1	<0.02	4.5		
REP 1346507	QC	9.1	24.0	0.34	139.7	0.006	2	1.41	0.002	0.15	<0.1	5.8	0.21	<0.02	21	<0.1	0.04	4.6		
1346519	Soil	13.9	16.4	0.46	85.1	0.009	3	0.98	0.004	0.07	0.1	3.1	0.08	0.05	44	0.3	0.07	2.9		
REP 1346519	QC	14.3	17.3	0.47	87.8	0.009	3	0.98	0.004	0.07	<0.1	3.1	0.08	0.05	54	0.2	<0.02	2.8		
1346552	Soil	11.4	23.7	0.42	191.5	0.007	3	1.49	0.003	0.09	0.2	3.6	0.40	0.07	122	0.5	0.04	4.9		
REP 1346552	QC	11.9	24.6	0.43	189.0	0.011	4	1.49	0.003	0.09	0.2	3.8	0.42	0.08	116	0.7	0.04	4.8		
1346564	Soil	14.5	23.8	0.25	238.0	0.006	1	1.23	0.001	0.05	0.2	5.2	0.40	0.03	96	0.3	0.05	2.8		
REP 1346564	QC	14.6	24.0	0.25	242.9	0.006	2	1.27	0.001	0.06	0.2	5.3	0.39	0.03	84	0.3	0.04	3.0		
1346588	Soil	14.8	24.6	0.46	206.7	0.006	2	1.69	0.002	0.06	0.1	4.0	0.17	0.06	58	0.5	0.03	3.4		
REP 1346588	QC	14.9	24.7	0.46	208.3	0.006	2	1.66	0.002	0.06	0.1	4.0	0.17	0.06	57	0.4	0.03	3.3		

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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

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		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
1346600	Soil	1.03	40.15	20.19	77.6	318	30.4	21.9	1025	3.02	10.0	2.3	1.0	0.6	28.3	0.16	0.56	0.22	24	0.21	0.299
REP 1346600	QC	1.00	39.79	20.48	81.5	338	30.3	22.0	1023	3.07	10.2	2.2	1.8	0.6	28.1	0.18	0.60	0.20	25	0.21	0.304
1346669	Soil	0.63	18.79	22.24	92.2	164	22.9	7.9	446	3.10	5.0	0.7	1.0	2.4	25.3	0.12	0.28	0.30	12	0.44	0.060
REP 1346669	QC	0.64	19.20	22.22	91.4	157	22.9	8.1	445	3.19	5.2	0.7	1.5	2.5	25.7	0.11	0.26	0.29	13	0.43	0.056
1346686	Soil	0.74	12.94	13.88	97.9	108	16.5	8.3	467	2.25	13.3	8.1	3.4	1.0	62.6	0.52	0.40	0.16	34	1.59	0.090
REP 1346686	QC	0.78	13.19	14.47	106.8	114	17.6	8.4	481	2.29	13.9	8.6	3.2	1.0	64.4	0.54	0.42	0.18	34	1.60	0.089
1298643	Soil	1.04	6.21	6.00	91.9	36	21.8	2.9	156	0.95	5.8	1.6	<0.2	1.5	76.0	1.24	0.33	0.05	13	18.81	0.051
REP 1298643	QC	1.07	6.36	5.96	92.0	27	22.9	2.9	156	0.95	6.2	1.6	1.3	1.5	78.7	1.25	0.34	0.03	14	19.11	0.051
1298650	Soil	4.54	5.90	6.05	29.5	39	11.1	3.8	176	1.34	11.0	1.5	<0.2	1.9	82.0	0.17	0.55	<0.02	16	14.00	0.062
REP 1298650	QC	4.67	5.60	6.07	30.1	44	11.4	3.8	186	1.39	11.1	1.6	<0.2	1.9	82.6	0.18	0.56	0.02	17	14.40	0.064
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard	13.30	103.8	122.8	318.7	1942	40.6	7.8	624	2.34	26.4	2.6	126.7	6.1	70.7	2.48	5.41	6.58	38	0.74	0.085
STD DS9	Standard	14.25	105.1	128.3	315.9	1959	41.9	7.8	604	2.38	24.7	2.7	123.5	6.3	74.6	2.21	5.58	6.32	40	0.76	0.083
STD DS9	Standard	12.60	100.3	128.1	318.3	1920	42.5	7.1	600	2.25	24.3	2.3	120.2	5.4	69.5	2.16	5.29	6.00	35	0.70	0.087
STD DS9	Standard	12.93	106.8	130.2	310.4	1937	42.2	8.2	589	2.29	23.8	2.6	115.7	5.5	63.8	2.19	4.98	6.28	38	0.71	0.083
STD DS9	Standard	13.71	118.7	126.9	306.2	1818	43.7	8.6	575	2.32	24.4	3.0	118.7	7.1	71.9	2.42	6.24	6.88	40	0.71	0.079
STD DS9	Standard	13.20	108.1	126.4	301.2	1792	41.3	7.7	572	2.38	24.8	2.9	113.4	7.0	74.9	2.34	5.19	6.98	42	0.76	0.078
STD DS9	Standard	14.05	104.8	134.2	309.6	1913	39.7	7.5	578	2.38	26.2	3.0	120.0	7.4	81.6	2.48	5.94	7.78	40	0.71	0.085
STD DS9	Standard	12.83	110.7	120.3	304.6	1740	43.3	8.1	586	2.31	24.5	2.6	107.2	6.3	58.5	2.26	4.12	4.94	40	0.74	0.080
STD DS9	Standard	13.99	115.6	118.6	319.0	1959	43.6	8.0	609	2.38	26.8	2.6	118.3	6.0	69.4	2.38	5.15	6.13	40	0.76	0.084
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
BLK	Blank	<0.01	0.06	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.14	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000497.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	7TD Pb %	7TD Zn %
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01
1346600	Soil	16.6	23.6	0.32	143.4	0.004	2	1.60	0.005	0.08	<0.1	1.9	0.14	0.12	116	0.7	0.03	4.2		
REP 1346600	QC	17.1	23.5	0.32	145.9	0.007	3	1.60	0.005	0.09	0.1	2.1	0.15	0.12	114	0.6	0.06	4.4		
1346669	Soil	4.1	12.5	0.22	73.4	0.002	2	0.81	0.002	0.07	<0.1	3.9	0.14	0.04	50	0.3	0.02	2.4		
REP 1346669	QC	4.1	12.7	0.23	73.4	0.002	2	0.86	0.002	0.07	<0.1	3.7	0.13	0.04	52	0.4	0.03	2.4		
1346686	Soil	12.4	22.2	0.64	142.7	0.012	2	1.46	0.004	0.05	0.1	3.2	0.14	0.08	92	0.6	0.02	4.5		
REP 1346686	QC	13.1	22.4	0.65	149.9	0.013	3	1.49	0.004	0.05	0.1	3.4	0.15	0.08	87	0.7	<0.02	4.8		
1298643	Soil	13.9	5.5	7.03	294.8	0.003	4	0.25	0.008	0.07	<0.1	1.0	0.23	0.03	11	<0.1	0.03	0.7		
REP 1298643	QC	14.5	5.2	7.01	312.5	0.002	5	0.26	0.008	0.07	<0.1	1.0	0.24	0.03	19	0.2	0.04	0.8		
1298650	Soil	20.1	7.5	6.33	59.1	0.002	2	0.26	0.009	0.04	<0.1	2.1	0.22	0.03	7	0.4	<0.02	0.7		
REP 1298650	QC	20.6	7.3	6.67	57.3	0.002	3	0.26	0.009	0.04	<0.1	2.2	0.22	0.04	<5	0.3	0.05	0.7		
Reference Materials																				
STD CDN-ME-9	Standard																		<0.02	0.01
STD CDN-ME-14	Standard																		0.51	3.28
STD DS9	Standard	13.2	121.4	0.63	320.2	0.107	3	0.98	0.089	0.40	3.2	2.7	5.90	0.16	230	5.7	5.77	5.0		
STD DS9	Standard	14.1	120.6	0.64	322.9	0.113	3	1.00	0.091	0.41	3.4	2.6	5.85	0.17	214	5.8	5.18	4.9		
STD DS9	Standard	10.0	119.2	0.61	314.6	0.107	3	0.91	0.082	0.39	3.2	2.6	5.74	0.16	230	5.6	5.24	4.9		
STD DS9	Standard	11.6	119.4	0.61	297.8	0.102	4	0.96	0.082	0.39	3.1	2.3	5.80	0.17	218	5.4	5.18	4.7		
STD DS9	Standard	14.3	117.9	0.62	297.5	0.128	2	0.96	0.087	0.40	2.8	2.3	5.19	0.16	204	5.3	4.54	4.5		
STD DS9	Standard	15.1	114.6	0.65	302.3	0.116	3	1.02	0.098	0.42	2.8	2.4	5.49	0.17	207	5.0	4.98	4.7		
STD DS9	Standard	16.2	109.8	0.64	332.9	0.115	3	1.10	0.088	0.45	2.8	2.7	5.56	0.16	205	5.3	5.59	4.9		
STD DS9	Standard	12.8	113.7	0.62	285.1	0.105	2	0.89	0.121	0.44	2.9	2.6	5.24	0.16	205	5.2	5.21	4.9		
STD DS9	Standard	14.3	116.7	0.63	302.1	0.113	3	0.99	0.083	0.40	3.3	2.6	5.63	0.17	223	5.1	5.22	4.8		
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59		
STD CDN-ME-9 Expected																			0.0125	
STD CDN-ME-14 Expected																			0.495	3.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		



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 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000497.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	0.04	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.01	0.02	<0.1	6	<0.1	<0.1	2	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				



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Project: CAR
 Report Date: August 15, 2012

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QUALITY CONTROL REPORT

WHI12000497.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	7TD		
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pb	Zn	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	%	
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.01	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	0.2			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank																			<0.02	<0.01



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 02, 2012
Report Date: August 14, 2012
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CERTIFICATE OF ANALYSIS

WHI12000521.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-6
P.O. Number: NA-12359
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	315	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	320	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	315	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

WHI12000521.1

Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298701	Soil			1.24	15.48	69.40	203.7	130	20.3	7.9	909	2.67	9.7	0.6	3.3	1.1	24.6	0.53	0.67	0.22	39	3.57	0.092
1298702	Soil			1.10	15.22	241.0	2239	149	19.5	8.0	4141	5.63	12.1	1.1	2.6	2.2	24.3	4.19	0.47	0.18	31	5.77	0.099
1298703	Soil			1.23	11.99	320.4	600.4	169	16.6	6.7	3247	4.37	10.0	1.0	1.8	1.0	28.5	1.92	0.44	0.13	33	6.97	0.126
1298704	Soil			1.31	16.95	45.03	506.8	186	22.1	8.3	1523	3.40	11.9	1.1	2.1	1.6	21.7	1.03	0.66	0.19	45	2.21	0.124
1298705	Soil			1.40	12.18	28.80	92.2	165	17.6	7.1	1765	2.25	9.4	1.4	1.4	1.1	32.7	0.30	0.50	0.13	37	5.64	0.147
1298706	Soil			1.34	18.68	33.54	106.4	154	23.1	9.1	1371	3.10	11.6	1.3	2.6	1.8	25.9	0.30	0.69	0.19	44	3.12	0.105
1298707	Soil			1.31	18.89	26.49	83.4	181	24.7	9.8	1443	3.15	10.7	1.0	2.5	2.6	29.9	0.37	0.78	0.18	44	3.48	0.083
1298708	Soil			0.86	14.05	23.45	74.3	129	16.9	6.8	1273	2.11	8.6	1.6	1.5	1.4	39.8	0.24	0.48	0.13	36	6.94	0.109
1298709	Soil			1.07	14.56	68.45	265.5	225	18.6	7.3	1655	2.94	8.2	1.6	2.0	1.3	30.0	0.73	0.57	0.13	35	5.76	0.113
1298710	Soil			1.26	11.36	247.1	446.7	299	11.8	5.4	2020	4.45	8.9	1.2	1.4	0.9	32.3	1.00	0.62	0.08	27	8.17	0.079
1298711	Soil			1.96	7.05	528.3	1210	151	8.1	3.4	4677	10.86	6.3	2.4	<0.2	0.5	33.0	1.49	0.25	0.06	15	9.65	0.114
1298712	Soil			2.00	7.10	540.2	3576	154	12.3	6.2	4152	8.89	9.1	2.3	<0.2	1.6	42.1	4.17	0.33	0.07	9	10.74	0.107
1298713	Soil			1.11	22.46	69.52	213.8	358	20.9	9.0	468	2.84	8.2	3.6	1.5	1.9	57.0	0.42	0.52	0.23	21	1.55	0.148
1298714	Soil			1.42	27.50	32.50	130.2	268	25.4	9.8	293	2.66	8.9	3.3	6.8	3.5	83.7	0.39	0.47	0.19	31	1.62	0.112
1298715	Soil			1.42	30.85	37.48	153.3	459	29.3	9.8	392	3.26	10.5	5.7	4.9	2.9	57.6	0.30	0.57	0.23	31	1.08	0.150
1298716	Soil			1.00	22.32	22.99	101.6	390	21.1	7.2	228	2.23	7.0	4.3	3.2	1.4	79.0	0.25	0.37	0.18	26	1.52	0.130
1298717	Soil			0.97	27.51	21.84	122.6	380	29.8	10.4	279	2.80	7.5	2.8	7.4	3.5	28.2	0.29	0.36	0.19	41	0.60	0.094
1298718	Soil			0.76	28.57	18.03	103.9	237	30.7	10.4	248	2.72	7.2	1.7	7.7	5.6	30.5	0.21	0.23	0.15	39	0.94	0.088
1298719	Soil			0.72	25.44	14.90	85.5	96	27.9	11.5	530	2.75	6.3	1.4	3.2	2.7	26.2	0.20	0.48	0.20	28	0.69	0.074
1298720	Soil			0.35	31.13	12.44	98.5	63	30.9	11.0	243	2.59	3.3	2.1	6.5	3.7	37.2	0.24	0.20	0.15	31	0.81	0.073
1298721	Soil			0.55	58.41	33.57	149.7	128	34.1	27.3	1288	3.48	10.7	1.4	1.3	3.8	29.4	0.09	0.54	0.28	23	0.47	0.193
1298722	Soil			0.46	29.72	23.52	113.0	79	42.0	14.7	323	3.12	3.1	1.3	1.7	5.4	23.7	0.17	0.24	0.29	18	0.61	0.099
1298723	Soil			0.58	38.17	19.94	113.4	64	44.7	14.6	441	3.21	5.1	1.2	6.3	5.5	18.5	0.14	0.24	0.29	22	0.52	0.078
1298724	Soil			1.92	35.50	29.45	113.3	149	34.7	15.9	528	3.82	9.9	2.6	0.9	4.0	39.4	0.18	0.52	0.33	24	0.68	0.149
1298725	Soil			0.91	28.97	35.24	133.3	124	29.2	10.7	284	3.02	10.7	1.9	1.3	2.8	40.9	0.30	0.42	0.31	14	0.94	0.110
1298726	Soil			2.08	46.42	200.8	2028	254	47.6	17.7	1209	8.59	10.4	0.8	0.6	3.8	25.3	8.43	0.47	0.36	27	0.51	0.133
1298727	Soil			1.72	54.88	44.49	263.2	151	40.1	21.1	649	5.73	12.2	0.6	1.2	1.5	11.5	0.37	0.64	0.37	30	0.03	0.073
1298728	Soil			3.44	51.85	43.84	175.9	113	57.4	20.3	679	4.54	18.6	0.9	1.6	1.2	8.2	1.00	0.96	0.33	36	0.07	0.084
1298729	Soil			1.60	36.95	49.90	303.5	64	33.2	16.9	475	5.13	13.7	0.5	0.4	1.8	11.1	0.40	0.64	0.34	37	0.11	0.057
1298730	Soil			1.32	22.52	18.44	71.3	33	20.2	9.1	233	2.78	10.1	0.3	1.9	2.6	6.2	0.05	0.57	0.25	53	0.02	0.034

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000521.1

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298701	Soil	12.9	22.4	2.36	124.5	0.009	4	1.29	0.009	0.07	0.2	2.3	0.17	<0.02	36	0.4	0.02	3.1
1298702	Soil	14.0	18.3	3.63	174.5	0.008	3	1.04	0.010	0.07	0.2	3.6	2.46	<0.02	101	0.6	0.03	2.6
1298703	Soil	12.7	17.0	4.45	131.0	0.008	3	1.14	0.009	0.05	0.1	2.3	0.22	<0.02	56	0.4	0.03	2.5
1298704	Soil	15.8	24.5	1.47	149.4	0.014	3	1.42	0.009	0.05	0.2	3.0	0.27	0.03	61	0.4	0.03	3.8
1298705	Soil	13.5	19.4	3.63	104.6	0.010	3	1.22	0.009	0.05	0.2	2.2	0.20	<0.02	50	0.5	0.02	2.8
1298706	Soil	18.7	25.1	2.15	127.5	0.013	3	1.44	0.008	0.06	0.2	3.3	0.22	<0.02	55	0.4	0.04	3.6
1298707	Soil	17.8	22.4	2.35	162.3	0.019	3	1.26	0.013	0.06	0.3	3.7	0.26	<0.02	45	0.4	0.03	3.4
1298708	Soil	15.3	17.3	4.52	93.7	0.011	3	1.16	0.011	0.06	0.1	2.5	0.17	<0.02	46	0.4	0.04	2.5
1298709	Soil	10.5	17.7	3.82	107.7	0.009	2	1.17	0.009	0.06	<0.1	2.4	0.34	<0.02	48	0.4	0.02	2.7
1298710	Soil	6.5	11.2	5.62	63.6	0.009	3	0.77	0.009	0.05	<0.1	1.7	2.31	<0.02	62	0.4	0.02	1.6
1298711	Soil	5.5	8.2	6.90	93.4	0.005	2	0.35	0.012	0.03	<0.1	1.1	4.63	<0.02	75	0.7	<0.02	0.8
1298712	Soil	5.7	6.6	7.64	121.5	0.003	4	0.30	0.014	0.10	<0.1	1.9	4.79	<0.02	145	0.7	0.04	0.8
1298713	Soil	11.1	17.2	0.34	68.1	0.003	7	0.85	0.004	0.11	<0.1	3.9	0.14	0.09	108	0.5	0.02	2.4
1298714	Soil	20.0	25.6	1.23	72.3	0.008	6	1.31	0.004	0.15	<0.1	4.5	0.20	0.03	120	0.6	0.04	4.0
1298715	Soil	19.2	26.8	0.71	88.3	0.005	7	1.36	0.003	0.15	<0.1	5.6	0.19	0.05	108	0.6	0.03	3.9
1298716	Soil	14.8	23.2	0.74	75.5	0.005	6	1.21	0.003	0.13	<0.1	3.4	0.15	0.08	109	0.6	0.03	3.6
1298717	Soil	26.1	42.4	2.05	131.2	0.008	6	2.10	0.003	0.16	<0.1	5.6	0.18	0.04	46	0.5	<0.02	6.8
1298718	Soil	27.7	48.1	2.68	65.0	0.008	5	2.20	0.002	0.16	<0.1	6.6	0.15	<0.02	55	0.4	0.02	6.9
1298719	Soil	23.2	28.8	0.99	586.5	0.007	3	1.46	0.003	0.09	<0.1	5.6	0.08	0.03	50	0.3	0.03	4.3
1298720	Soil	25.8	46.3	2.48	184.1	0.006	4	2.25	<0.001	0.13	<0.1	6.8	0.11	0.04	27	0.4	<0.02	6.7
1298721	Soil	9.8	30.7	0.80	151.3	0.002	4	1.82	0.001	0.16	<0.1	6.4	0.20	0.03	59	0.2	0.05	5.2
1298722	Soil	22.8	36.0	1.26	149.8	0.003	4	1.78	0.002	0.14	<0.1	7.3	0.09	0.04	25	0.3	0.02	5.4
1298723	Soil	23.9	41.9	1.41	188.7	0.006	4	1.95	0.002	0.13	<0.1	7.9	0.09	0.02	24	0.3	0.04	5.8
1298724	Soil	5.8	21.6	0.60	137.2	0.002	5	1.48	0.005	0.14	<0.1	4.8	0.15	0.09	62	0.5	0.04	4.4
1298725	Soil	5.5	16.4	0.34	104.8	0.002	5	0.91	0.004	0.13	<0.1	4.0	0.13	0.12	61	0.5	0.05	2.6
1298726	Soil	12.2	17.1	0.19	112.4	0.001	5	0.80	0.005	0.12	<0.1	12.2	0.17	0.05	166	0.9	0.08	1.8
1298727	Soil	9.4	17.8	0.12	67.0	0.002	3	0.74	0.001	0.10	<0.1	5.4	0.24	0.04	71	0.4	0.07	2.9
1298728	Soil	14.4	22.1	0.19	80.5	0.006	2	1.06	0.001	0.09	<0.1	4.8	1.19	0.03	83	0.5	0.07	3.5
1298729	Soil	12.0	23.8	0.26	105.6	0.005	3	1.02	0.001	0.12	<0.1	4.2	0.22	0.03	23	0.3	0.07	3.9
1298730	Soil	13.0	18.1	0.06	53.7	0.005	2	0.71	0.001	0.09	<0.1	2.8	0.17	<0.02	29	0.2	0.06	5.2

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Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1298731	Rock Pulp	0.03	3.08	0.79	4.8	11	1.2	1.1	22	0.33	0.5	<0.1	<0.2	<0.1	11.7	<0.01	<0.02	<0.02	12	0.11	0.025
1298732	Soil	1.07	41.82	33.59	66.2	155	48.4	26.2	1011	6.60	14.3	0.6	1.2	2.8	8.3	0.12	0.71	0.27	52	0.03	0.052
1298733	Soil	1.53	51.36	30.37	215.3	136	46.6	23.0	621	5.61	13.7	0.5	1.3	3.9	10.9	0.43	0.63	0.29	40	0.16	0.067
1298734	Soil	1.37	30.19	24.85	112.0	98	26.3	11.7	396	3.73	10.4	0.6	0.9	0.3	5.8	0.17	0.63	0.26	31	0.03	0.085
1298735	Soil	1.43	32.20	16.94	74.1	75	25.2	13.3	420	4.15	10.6	0.5	0.8	3.1	8.5	0.10	0.70	0.29	38	0.04	0.038
1298736	Soil	0.91	73.02	28.50	98.5	123	31.2	23.3	512	6.57	6.6	0.5	0.9	2.8	11.5	0.10	0.39	0.30	40	0.02	0.052
1298737	Soil	1.04	88.48	29.07	94.2	98	29.7	17.7	296	6.77	6.8	0.6	2.2	3.2	11.7	0.10	0.47	0.35	38	0.02	0.051
1298738	Soil	1.21	46.99	29.10	104.3	99	25.0	20.3	967	5.82	6.8	0.6	4.3	1.9	7.6	0.21	0.64	0.36	46	0.03	0.078
1298739	Soil	0.82	66.14	30.46	128.6	54	44.9	42.0	1152	5.94	24.3	0.4	1.3	2.2	13.3	0.14	0.55	0.32	43	0.05	0.032
1298740	Soil	1.89	22.51	22.14	100.2	48	20.6	12.3	524	3.41	9.3	0.6	1.7	2.9	8.1	0.22	0.83	0.29	46	0.05	0.039
1298741	Soil	1.37	36.31	20.86	74.4	118	19.9	16.3	614	3.92	7.3	0.6	1.4	1.0	6.5	0.14	0.67	0.27	42	0.04	0.046
1298742	Soil	1.26	36.00	19.11	80.9	52	21.3	11.1	268	4.00	7.0	0.4	1.9	2.4	7.4	0.11	0.65	0.25	39	0.03	0.034
1298743	Soil	2.00	21.96	16.09	87.0	59	16.4	13.1	822	5.50	8.7	0.6	1.2	3.1	6.0	0.12	0.95	0.33	66	0.04	0.063
1298744	Soil	1.59	36.97	17.82	68.4	44	21.3	10.8	288	4.41	7.6	0.5	2.2	2.9	6.8	0.09	0.78	0.27	52	0.04	0.034
1298745	Soil	1.35	34.60	16.80	77.0	49	25.0	28.1	691	3.79	7.4	0.5	4.4	2.2	5.6	0.11	0.75	0.27	41	0.04	0.036
1298746	Soil	1.02	21.50	22.66	148.6	172	22.4	8.3	254	2.39	8.3	0.8	2.7	1.3	46.3	0.52	0.83	0.19	33	0.74	0.066
1298747	Soil	1.23	26.84	21.27	113.3	212	25.9	9.7	266	2.85	10.1	0.6	1.5	2.1	86.9	0.48	0.87	0.19	36	0.94	0.038
1298748	Soil	1.28	27.86	26.90	124.9	191	27.8	11.8	424	2.85	11.7	1.1	2.5	2.1	161.4	0.48	1.02	0.20	37	2.20	0.120
1298749	Soil	1.16	28.88	15.99	103.1	208	31.5	11.1	361	2.79	13.0	1.1	3.3	2.3	77.1	0.31	0.98	0.22	46	0.84	0.099
1298750	Soil	1.23	20.56	31.01	131.2	190	22.6	9.3	387	2.44	12.7	0.6	1.9	1.1	154.3	0.61	1.12	0.18	37	7.24	0.087
1298751	Soil	1.29	29.42	27.82	126.9	216	28.3	11.2	405	2.96	13.3	0.6	3.9	1.7	104.6	0.57	1.02	0.21	39	3.20	0.088
1298752	Soil	0.95	38.37	30.13	68.6	134	26.9	14.5	290	2.89	24.9	0.8	2.8	2.2	310.9	0.22	1.19	0.24	14	13.20	0.064
1298753	Soil	0.65	40.29	47.27	98.5	224	30.3	15.8	307	3.12	13.6	0.5	1.2	2.3	59.2	0.17	0.68	0.36	12	1.59	0.042
1298754	Soil	0.68	38.86	53.25	105.0	365	26.4	15.8	542	3.58	20.7	0.6	1.0	2.7	147.7	0.24	2.35	0.28	13	7.11	0.056
1298755	Soil	0.93	30.34	56.35	133.0	360	22.6	12.7	718	3.24	21.5	0.6	1.0	1.0	51.9	0.52	2.52	0.23	17	4.27	0.072
1298756	Soil	1.02	33.53	84.03	230.4	500	26.0	14.2	1115	3.36	37.0	1.1	1.6	1.0	61.7	1.11	5.52	0.26	27	2.30	0.138
1298757	Soil	0.95	26.13	57.33	407.5	333	22.0	11.6	571	2.62	29.1	2.2	2.2	1.2	65.3	1.33	4.46	0.22	30	1.69	0.183
1298758	Soil	0.83	30.02	48.27	268.2	270	25.3	12.5	539	2.59	30.4	1.9	2.2	1.3	61.6	0.88	4.10	0.22	28	1.62	0.176
1298759	Soil	0.71	27.94	26.46	151.1	205	25.1	11.6	414	2.61	15.4	1.1	1.5	1.6	52.1	0.41	1.75	0.20	28	1.69	0.113
1298760	Soil	0.74	29.43	28.43	142.2	194	24.9	12.4	490	2.73	15.4	1.5	1.8	1.2	52.0	0.38	1.83	0.21	29	1.66	0.103

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298731	Rock Pulp	1.1	2.4	0.03	16.0	0.018	<1	0.16	0.086	0.06	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.7
1298732	Soil	10.6	25.7	0.22	44.3	0.005	2	0.79	0.001	0.06	<0.1	8.2	0.15	<0.02	39	0.3	0.04	2.4
1298733	Soil	13.9	31.2	0.32	64.4	0.005	3	1.00	0.002	0.08	<0.1	8.9	0.18	<0.02	64	0.3	0.05	3.2
1298734	Soil	8.8	19.5	0.14	45.3	0.004	2	0.77	0.001	0.09	<0.1	1.2	0.22	0.05	29	0.3	0.05	3.6
1298735	Soil	6.7	23.3	0.17	53.6	0.008	2	1.16	0.001	0.07	0.1	4.0	0.14	0.02	51	0.4	0.03	4.1
1298736	Soil	2.4	33.6	0.31	52.2	0.003	3	1.86	<0.001	0.11	<0.1	8.8	0.19	0.03	31	0.4	0.04	5.9
1298737	Soil	3.6	36.3	0.37	46.2	0.006	3	1.84	<0.001	0.09	<0.1	10.0	0.18	0.03	27	0.4	0.05	5.5
1298738	Soil	5.1	35.1	0.33	54.6	0.009	3	1.95	<0.001	0.09	<0.1	5.7	0.12	0.04	53	0.5	0.03	6.7
1298739	Soil	3.1	27.2	0.09	53.4	0.003	2	0.76	<0.001	0.08	<0.1	9.2	0.39	<0.02	43	0.2	0.02	3.7
1298740	Soil	9.2	29.6	0.25	62.7	0.021	2	1.54	0.002	0.08	0.2	3.3	0.14	<0.02	51	0.4	0.04	4.8
1298741	Soil	6.5	25.8	0.26	54.6	0.012	2	1.52	0.001	0.08	<0.1	3.4	0.13	0.04	38	0.3	0.03	4.7
1298742	Soil	7.0	25.3	0.28	39.5	0.016	2	1.35	0.001	0.05	0.1	3.5	0.09	<0.02	30	0.3	0.03	5.0
1298743	Soil	9.9	32.6	0.23	63.8	0.017	2	1.77	<0.001	0.07	0.1	2.9	0.14	0.02	34	0.5	0.04	8.0
1298744	Soil	8.4	27.6	0.28	49.6	0.014	2	1.57	0.001	0.05	0.1	4.3	0.13	<0.02	31	0.3	0.03	6.5
1298745	Soil	7.7	26.1	0.32	48.0	0.019	2	1.58	0.002	0.05	0.2	4.0	0.12	<0.02	31	0.4	0.04	5.0
1298746	Soil	12.1	22.1	0.36	123.0	0.014	2	1.22	0.006	0.05	0.1	3.3	0.09	0.03	65	0.3	0.05	3.2
1298747	Soil	12.3	23.8	0.39	176.8	0.015	2	1.20	0.008	0.05	0.1	4.4	0.10	0.03	77	0.3	0.03	3.6
1298748	Soil	15.3	22.7	0.38	137.3	0.020	3	1.20	0.009	0.07	0.1	4.2	0.14	0.03	76	0.4	0.02	3.4
1298749	Soil	16.7	30.5	0.49	180.0	0.024	2	1.55	0.010	0.07	0.2	4.7	0.14	0.03	100	0.3	0.03	4.6
1298750	Soil	11.2	21.2	0.39	147.3	0.016	4	1.31	0.008	0.07	0.2	2.8	0.12	0.05	71	0.4	0.05	3.3
1298751	Soil	17.3	24.6	0.46	143.4	0.017	3	1.21	0.008	0.06	0.2	4.3	0.12	0.04	81	0.5	0.05	3.5
1298752	Soil	10.4	9.1	0.26	70.7	0.004	3	0.38	0.005	0.08	<0.1	3.9	0.48	0.05	302	1.0	0.08	1.3
1298753	Soil	14.0	10.0	0.08	66.3	0.001	3	0.37	0.002	0.10	<0.1	4.6	0.24	0.05	281	0.5	0.11	1.3
1298754	Soil	10.6	8.9	0.44	65.2	0.002	4	0.36	0.003	0.11	<0.1	4.7	0.39	0.05	363	0.5	0.08	1.2
1298755	Soil	10.4	12.5	1.56	79.5	0.002	5	0.48	0.005	0.09	<0.1	3.9	0.47	0.06	261	0.6	0.06	1.4
1298756	Soil	12.8	16.3	0.77	128.4	0.004	5	0.80	0.006	0.09	0.1	4.0	0.71	0.09	431	0.8	0.06	2.4
1298757	Soil	11.4	19.3	0.27	139.5	0.005	4	1.07	0.005	0.07	0.2	3.7	0.50	0.08	333	0.6	0.06	3.1
1298758	Soil	11.6	18.0	0.31	130.8	0.005	4	1.01	0.005	0.07	0.1	3.5	0.52	0.08	318	0.6	0.04	2.9
1298759	Soil	9.7	18.7	0.57	120.9	0.005	3	1.17	0.005	0.07	0.1	3.4	0.30	0.05	201	0.4	0.03	3.1
1298760	Soil	9.7	20.5	0.39	147.9	0.004	3	1.21	0.004	0.08	0.1	3.3	0.29	0.07	211	0.5	0.04	3.4

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298761	Soil			0.77	27.88	30.01	148.7	270	23.9	11.7	509	2.59	18.2	1.2	2.1	1.3	43.9	0.48	2.21	0.21	31	1.28	0.114
1298762	Soil			0.95	27.33	27.10	106.8	135	29.9	12.7	668	3.07	12.4	0.7	1.9	3.3	47.2	0.40	1.26	0.20	35	2.34	0.080
1298763	Soil			0.71	26.94	26.13	122.6	202	23.4	11.0	468	2.62	14.2	1.2	1.5	1.2	39.8	0.56	1.62	0.20	29	1.62	0.097
1298764	Soil			0.75	21.77	33.00	129.6	179	20.9	10.6	836	2.54	16.9	0.9	1.1	1.3	51.7	0.58	2.08	0.17	25	5.30	0.144
1298765	Soil			0.62	20.44	37.29	99.4	94	16.6	9.0	396	2.36	16.6	0.6	0.8	1.8	77.3	0.32	3.09	0.12	15	8.10	0.077
1298766	Soil			0.97	25.63	50.87	130.2	165	24.8	12.0	415	3.37	22.9	0.9	0.6	2.6	39.5	0.25	2.26	0.21	28	2.27	0.104
1298767	Soil			0.88	21.87	36.00	102.6	148	20.3	9.4	378	2.92	18.4	0.8	1.2	2.3	76.2	0.23	1.54	0.16	23	5.25	0.102
1298768	Rock Pulp			0.06	2.87	1.05	4.8	12	2.3	1.0	22	0.34	0.3	<0.1	<0.2	<0.1	10.1	<0.01	0.03	<0.02	11	0.11	0.024
1298769	Soil			0.78	11.49	13.48	82.3	32	34.0	12.5	444	3.12	3.9	0.9	2.8	3.8	13.5	0.10	0.46	0.19	32	0.16	0.057
1298770	Soil			0.96	50.62	15.08	80.2	126	30.8	10.7	351	2.69	6.1	1.5	8.6	5.1	14.4	0.20	0.56	0.18	35	0.25	0.032
1298771	Soil			0.83	11.38	13.78	91.5	52	27.6	9.8	361	2.59	4.7	1.3	3.5	3.0	18.5	0.26	0.51	0.18	33	0.45	0.076
1298772	Soil			0.51	23.68	16.49	98.8	71	27.0	10.3	371	2.61	5.7	1.4	4.0	3.3	22.8	0.35	0.35	0.13	35	0.55	0.051
1298773	Soil			1.06	28.17	14.71	87.4	183	25.6	9.1	383	2.43	12.0	4.5	8.1	1.7	43.6	0.63	0.69	0.19	41	0.95	0.070
1298774	Soil			0.85	24.81	14.52	89.3	146	26.1	8.8	448	2.42	9.6	4.1	2.6	2.2	34.3	0.46	0.49	0.16	37	0.67	0.052
1298775	Soil			1.18	17.43	12.11	66.8	212	20.5	6.8	296	2.09	7.6	1.6	2.6	1.9	25.4	0.39	0.57	0.15	39	0.47	0.060
1298776	Soil			1.04	16.23	15.33	92.2	240	20.5	10.0	547	2.41	9.9	3.4	2.5	0.9	65.0	0.43	0.71	0.21	49	1.15	0.092
1298777	Soil			1.30	22.39	13.36	85.2	260	19.5	8.2	416	2.01	8.6	3.2	4.3	0.9	133.0	0.41	0.47	0.13	36	2.42	0.083
1298778	Soil			1.08	37.02	15.68	92.0	294	26.4	9.7	253	2.29	9.7	2.7	12.7	2.8	56.9	0.36	0.53	0.15	30	1.39	0.073
1298779	Soil			2.31	28.03	42.97	235.6	430	24.0	9.3	281	1.96	10.6	4.6	7.5	1.8	98.8	0.72	0.65	0.15	17	3.31	0.107
1298780	Soil			0.58	12.53	45.34	26.8	282	5.4	1.7	86	2.59	4.4	0.4	1.5	6.7	18.5	0.05	0.22	0.39	9	0.17	0.032
1298781	Soil			0.83	29.13	44.58	154.4	266	33.2	13.1	988	2.72	6.6	1.6	2.3	3.9	20.9	0.44	0.44	0.19	18	2.30	0.063
1298782	Soil			1.02	7.44	89.25	109.8	144	10.0	4.1	982	1.47	6.8	1.3	1.0	1.6	59.2	0.44	0.26	0.06	13	12.47	0.083
1298783	Soil			1.06	16.80	80.72	385.6	239	19.5	8.0	2140	3.08	10.6	2.2	2.1	0.6	18.9	1.15	0.73	0.17	44	1.93	0.156
1298784	Soil			0.90	17.55	78.74	440.6	240	19.6	8.4	1864	2.99	10.0	1.8	1.2	0.6	13.2	1.17	0.73	0.21	44	1.30	0.134
1298785	Soil			0.99	11.65	63.77	206.7	179	13.4	5.4	2400	2.05	7.5	2.6	1.9	0.7	33.7	0.80	0.56	0.10	28	8.15	0.123
1298788	Soil			0.91	16.92	33.72	129.3	147	17.9	7.1	1127	2.25	8.3	1.6	1.0	1.9	28.3	0.35	0.59	0.12	34	5.62	0.081
1298790	Soil			1.00	16.37	31.29	210.9	213	23.5	8.9	1187	2.87	11.3	1.2	3.6	2.0	17.8	0.45	0.67	0.19	44	1.30	0.090
1298791	Soil			1.05	21.33	29.50	218.4	157	21.8	8.1	969	2.82	9.9	1.0	5.1	1.8	20.7	0.51	0.73	0.17	40	1.38	0.110
1298792	Soil			1.11	19.49	36.49	215.8	152	21.8	8.0	1129	2.90	10.5	1.2	3.6	1.6	14.7	0.44	0.70	0.18	44	0.86	0.116
1298793	Soil			1.03	17.75	21.88	103.9	157	19.4	7.2	792	2.42	9.0	1.2	2.0	1.4	15.4	0.27	0.65	0.18	40	1.00	0.105

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Project: CAR
 Report Date: August 14, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298761	Soil	10.4	20.5	0.35	140.1	0.005	3	1.26	0.004	0.08	<0.1	3.5	0.35	0.07	241	0.6	0.07	3.4
1298762	Soil	11.4	22.2	1.11	157.5	0.007	3	1.44	0.006	0.11	<0.1	4.1	0.16	<0.02	138	0.3	0.03	3.6
1298763	Soil	9.6	20.1	0.58	174.2	0.004	3	1.22	0.005	0.07	0.1	3.1	0.26	0.06	182	0.4	0.03	3.4
1298764	Soil	9.1	16.0	2.48	186.6	0.004	4	0.95	0.006	0.07	0.1	3.2	0.25	0.05	192	0.5	0.03	2.5
1298765	Soil	6.1	10.9	3.45	410.2	0.001	3	0.61	0.005	0.05	<0.1	4.1	0.16	0.03	133	0.2	<0.02	1.5
1298766	Soil	13.4	19.1	0.97	142.3	0.002	3	1.04	0.003	0.07	<0.1	5.9	0.23	0.03	111	0.2	<0.02	2.8
1298767	Soil	14.6	16.3	2.16	70.6	0.001	2	1.00	0.004	0.05	<0.1	5.5	0.16	0.03	75	0.2	<0.02	2.3
1298768	Rock Pulp	1.0	4.2	0.03	15.0	0.017	<1	0.14	0.073	0.05	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.7
1298769	Soil	23.7	35.6	1.02	511.3	0.007	2	1.78	0.003	0.09	<0.1	4.1	0.12	0.03	25	0.5	0.04	5.2
1298770	Soil	23.7	34.5	1.17	419.5	0.012	2	1.74	0.006	0.07	0.2	6.1	0.10	<0.02	41	0.3	0.03	5.3
1298771	Soil	25.3	34.5	1.35	323.2	0.011	3	1.79	0.005	0.09	0.1	5.1	0.12	0.04	34	0.3	0.03	5.2
1298772	Soil	26.0	43.3	1.97	78.4	0.011	3	1.94	0.004	0.07	<0.1	5.4	0.09	0.04	43	0.4	<0.02	6.3
1298773	Soil	26.7	31.8	1.32	132.4	0.010	3	1.76	0.002	0.07	<0.1	3.4	0.13	0.06	79	0.3	<0.02	5.0
1298774	Soil	24.5	40.1	1.56	109.9	0.012	4	1.69	0.001	0.07	<0.1	3.8	0.10	0.05	84	0.5	<0.02	5.6
1298775	Soil	19.3	26.5	0.83	108.4	0.011	3	1.35	0.002	0.05	0.2	3.3	0.11	0.04	48	0.3	<0.02	3.9
1298776	Soil	16.3	27.3	0.48	191.8	0.014	3	1.52	0.004	0.05	0.1	2.4	0.15	0.07	64	0.3	0.03	4.6
1298777	Soil	22.3	26.1	0.83	87.5	0.007	6	1.20	0.002	0.12	<0.1	2.3	0.18	0.08	77	0.6	0.04	3.3
1298778	Soil	23.1	23.4	0.76	79.6	0.007	7	1.15	0.002	0.17	<0.1	4.0	0.19	0.04	73	0.3	<0.02	3.5
1298779	Soil	18.1	14.2	1.26	59.6	0.003	5	0.64	0.004	0.13	<0.1	3.1	0.30	0.04	177	0.4	0.05	1.8
1298780	Soil	5.4	9.0	0.07	106.5	0.001	7	0.23	0.007	0.40	<0.1	2.3	0.34	0.75	128	<0.1	0.05	1.7
1298781	Soil	8.6	12.8	1.41	104.7	0.007	5	0.81	0.005	0.12	0.1	4.4	0.36	0.13	113	<0.1	<0.02	1.5
1298782	Soil	6.2	8.2	7.97	44.4	0.008	3	0.35	0.012	0.04	<0.1	1.5	0.38	<0.02	33	0.2	0.02	0.9
1298783	Soil	13.1	21.5	1.02	170.7	0.008	4	1.42	0.005	0.05	0.1	1.5	0.32	0.13	83	0.5	0.04	3.4
1298784	Soil	12.5	22.9	0.74	182.3	0.009	3	1.49	0.005	0.05	<0.1	1.5	0.32	0.10	45	0.6	<0.02	3.8
1298785	Soil	11.4	12.9	5.34	94.9	0.010	2	0.83	0.009	0.03	0.1	1.4	0.24	0.05	31	0.4	<0.02	1.7
1298788	Soil	12.7	17.4	3.80	94.7	0.017	2	1.09	0.009	0.05	0.2	2.6	0.24	0.02	45	0.1	0.03	2.6
1298790	Soil	19.3	26.0	1.01	151.2	0.016	2	1.47	0.005	0.05	0.3	3.5	0.22	0.04	62	0.2	0.05	4.0
1298791	Soil	16.3	24.5	1.01	149.5	0.017	3	1.33	0.007	0.07	0.2	3.2	0.20	0.05	52	0.3	<0.02	3.7
1298792	Soil	16.0	27.7	0.68	144.1	0.013	3	1.48	0.004	0.06	0.3	3.1	0.32	0.07	53	0.2	0.03	4.3
1298793	Soil	15.3	23.8	0.75	144.3	0.013	2	1.38	0.005	0.05	0.2	2.8	0.17	0.06	41	0.2	<0.02	3.9

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Project: CAR
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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298794	Soil			1.16	13.61	22.93	113.5	111	19.2	8.3	2038	2.76	11.0	1.1	1.7	0.9	10.1	0.34	0.76	0.18	46	0.62	0.084
1298795	Soil			0.98	17.26	26.00	117.9	152	20.2	8.2	1451	2.43	9.8	1.0	3.4	1.7	25.0	0.34	0.67	0.15	38	4.06	0.104
1298796	Soil			0.96	16.81	23.92	137.9	114	16.7	7.8	2013	2.57	8.7	2.6	1.0	0.7	17.2	0.74	0.65	0.17	41	1.60	0.143
1298797	Soil			1.02	17.45	63.76	262.0	141	20.3	9.5	2796	3.04	12.7	1.2	1.4	1.4	17.5	0.66	0.52	0.21	29	2.68	0.116
1298798	Soil			0.78	13.08	35.43	157.6	88	16.1	6.3	1278	2.32	8.0	0.8	1.6	1.3	22.4	0.42	0.41	0.14	28	3.90	0.091
1298799	Soil			0.73	14.71	35.95	155.6	94	17.0	7.6	1659	2.83	9.5	0.8	0.9	1.3	10.2	0.37	0.55	0.19	33	0.89	0.093
1298800	Soil			0.77	9.59	25.70	81.6	75	13.1	6.4	1616	1.97	7.1	0.6	0.4	1.5	22.6	0.21	0.42	0.13	28	5.44	0.103
1298801	Soil			0.73	5.12	21.49	30.9	20	5.4	3.1	765	1.05	6.0	0.6	0.5	1.6	36.8	0.09	0.15	0.08	8	11.88	0.075
1298802	Soil			0.78	6.76	31.47	15.5	42	6.6	4.1	667	1.13	7.1	0.6	0.2	1.6	42.9	0.08	0.08	0.09	9	11.38	0.049
1298803	Rock Pulp			<0.01	2.94	0.25	3.6	11	0.7	0.9	19	0.25	0.2	<0.1	<0.2	<0.1	9.6	<0.01	<0.02	<0.02	8	0.11	0.023
1303921	Soil			0.70	31.51	22.19	84.1	45	26.9	15.9	844	3.21	5.0	1.0	2.3	4.6	6.9	0.10	0.53	0.32	27	0.08	0.036
1303922	Soil			0.64	12.86	101.9	218.4	147	13.2	6.9	1609	2.08	7.1	1.1	1.6	0.5	18.7	1.10	0.41	0.15	25	5.17	0.234
1303923	Soil			0.41	8.15	27.34	77.3	72	7.0	4.3	677	1.10	4.9	0.5	0.3	1.8	42.6	0.32	0.21	0.09	10	12.07	0.071
1303924	Soil			0.83	10.03	91.35	623.1	214	10.8	5.0	2035	2.66	7.5	1.2	1.0	0.7	34.7	1.82	0.38	0.12	18	7.60	0.112
1303925	Soil			0.75	12.67	217.9	1442	127	9.6	4.6	3437	4.21	7.9	1.3	1.1	1.0	36.7	1.68	0.28	0.08	14	8.82	0.094
1303926	Soil			1.12	17.30	194.5	811.8	216	20.8	8.7	3216	4.23	12.5	1.8	2.6	1.1	14.7	1.94	0.54	0.20	36	1.57	0.153
1303927	Soil			1.06	20.79	66.66	365.0	169	22.3	9.3	2726	3.88	12.3	2.1	2.5	1.3	19.3	0.76	0.68	0.20	37	1.53	0.162
1303928	Soil			0.73	9.80	38.77	67.4	71	11.0	4.5	701	1.46	7.0	1.4	0.9	2.6	58.7	0.10	0.15	0.08	10	13.19	0.050
1303929	Soil			1.09	13.45	45.50	115.5	158	14.5	6.7	2116	2.66	8.7	1.8	4.0	0.9	27.6	0.37	0.33	0.17	22	7.25	0.139
1303930	Soil			1.18	14.73	38.43	98.8	206	17.9	7.3	1296	2.73	8.8	1.3	2.1	1.1	18.1	0.24	0.40	0.20	28	2.27	0.143
1303931	Soil			1.03	11.84	25.09	62.7	141	13.1	5.4	1740	2.02	6.4	1.5	1.7	1.0	32.8	0.29	0.29	0.13	24	8.65	0.140
1303932	Soil			1.15	15.72	27.81	112.0	104	23.9	9.0	1108	2.74	7.2	1.1	1.5	1.4	10.7	0.26	0.48	0.24	26	0.28	0.083
1303933	Soil			1.19	24.05	61.97	258.8	400	27.7	11.1	821	3.47	9.4	3.5	3.4	2.5	24.9	0.66	0.58	0.21	27	1.00	0.108
1303934	Soil			1.32	15.52	16.69	84.5	245	18.8	8.7	528	2.64	9.1	2.1	1.9	0.9	48.6	0.36	0.50	0.17	30	1.91	0.123
1303935	Soil			1.76	15.77	16.25	99.9	373	21.3	8.5	544	2.46	9.5	3.9	8.8	2.3	49.5	0.55	0.42	0.11	24	1.35	0.134
1303936	Soil			1.88	14.43	15.48	87.4	234	17.5	7.5	581	2.24	8.2	3.9	2.0	0.6	46.2	0.59	0.45	0.14	33	1.06	0.117
1303937	Soil			1.86	19.47	18.71	77.2	490	24.3	9.3	278	2.28	9.8	2.1	3.7	2.0	28.8	0.33	0.49	0.12	27	0.66	0.043
1303938	Soil			1.21	19.31	15.30	99.4	290	21.3	8.6	469	2.08	8.4	4.4	3.9	0.9	67.9	0.50	0.45	0.12	35	1.52	0.089
1303939	Soil			0.79	21.73	14.92	82.7	363	20.5	7.6	344	2.06	8.7	4.8	6.2	0.8	89.5	0.31	0.38	0.13	37	1.20	0.103
1303940	Soil			1.03	16.40	16.04	79.6	370	21.9	7.8	409	2.31	9.0	2.9	3.4	1.3	48.6	0.47	0.42	0.12	43	0.98	0.083



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1298794	Soil	13.9	24.8	0.53	178.1	0.012	2	1.44	0.002	0.04	0.3	2.1	0.19	0.06	42	0.4	0.05	4.2
1298795	Soil	14.7	21.2	2.63	130.0	0.016	2	1.26	0.008	0.05	0.2	3.0	0.20	0.04	47	0.3	<0.02	3.3
1298796	Soil	14.2	21.7	0.82	153.8	0.010	3	1.35	0.004	0.05	0.1	2.0	0.19	0.11	25	0.3	0.08	3.8
1298797	Soil	18.2	19.2	1.71	157.1	0.006	4	1.12	0.004	0.09	<0.1	3.2	0.32	0.06	59	0.2	0.03	2.8
1298798	Soil	14.8	18.8	2.50	87.6	0.007	2	1.06	0.005	0.06	0.1	2.7	0.16	0.05	46	0.4	0.06	2.7
1298799	Soil	17.1	21.8	0.61	108.3	0.006	3	1.24	0.002	0.07	<0.1	2.8	0.26	0.07	46	0.4	<0.02	3.3
1298800	Soil	11.8	17.4	3.54	114.0	0.006	4	1.20	0.006	0.07	0.1	2.5	0.28	0.06	49	<0.1	<0.02	2.8
1298801	Soil	5.4	6.3	7.53	31.7	0.002	3	0.32	0.014	0.08	<0.1	1.8	0.40	<0.02	14	0.3	<0.02	0.8
1298802	Soil	5.8	7.6	7.07	29.8	<0.001	3	0.27	0.013	0.08	<0.1	2.3	0.31	0.02	20	<0.1	0.03	0.7
1298803	Rock Pulp	1.0	0.8	0.02	14.5	0.013	<1	0.14	0.069	0.05	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.5
1303921	Soil	7.1	25.7	0.41	116.7	0.007	2	1.33	0.003	0.17	0.1	4.7	0.18	<0.02	17	<0.1	0.04	4.4
1303922	Soil	8.2	15.9	2.90	127.1	0.006	3	1.11	0.004	0.06	<0.1	1.4	0.34	0.09	77	0.4	<0.02	2.7
1303923	Soil	7.1	8.3	7.72	36.5	0.004	3	0.34	0.012	0.07	<0.1	2.1	0.31	<0.02	59	0.2	<0.02	1.0
1303924	Soil	8.4	11.8	4.86	84.9	0.003	3	0.81	0.006	0.05	<0.1	1.6	0.41	0.05	154	0.3	<0.02	1.9
1303925	Soil	7.3	10.3	5.76	190.2	0.004	3	0.65	0.007	0.06	<0.1	1.8	1.64	0.03	147	0.4	<0.02	1.7
1303926	Soil	17.0	24.2	0.94	139.2	0.008	3	1.51	0.004	0.06	0.1	2.7	0.60	0.10	88	0.5	0.03	4.1
1303927	Soil	19.1	23.7	0.97	145.1	0.009	3	1.40	0.004	0.07	0.2	2.9	0.69	0.07	64	0.5	0.06	4.1
1303928	Soil	5.3	8.6	7.99	28.3	0.002	3	0.24	0.017	0.07	<0.1	2.1	0.31	<0.02	17	0.2	<0.02	0.7
1303929	Soil	8.4	13.3	4.62	85.9	0.005	5	0.79	0.008	0.08	<0.1	2.1	0.68	0.06	56	0.5	0.03	1.9
1303930	Soil	9.5	19.8	1.23	106.1	0.006	4	1.16	0.003	0.06	<0.1	2.3	0.43	0.10	52	0.3	<0.02	3.0
1303931	Soil	8.4	14.1	5.48	73.4	0.007	3	0.87	0.008	0.05	0.1	2.1	0.20	0.03	48	0.3	<0.02	2.1
1303932	Soil	8.3	18.0	0.27	83.7	0.007	2	0.91	0.002	0.08	0.1	2.8	0.22	0.08	29	0.3	<0.02	2.9
1303933	Soil	12.7	21.2	0.77	97.3	0.008	4	1.23	0.003	0.09	0.1	4.4	0.39	0.08	113	0.4	<0.02	3.4
1303934	Soil	19.5	21.2	0.81	95.4	0.006	2	1.18	0.003	0.06	<0.1	2.7	0.11	0.07	73	0.4	<0.02	3.3
1303935	Soil	28.2	18.0	0.43	67.7	0.006	3	0.99	0.002	0.08	0.1	4.1	0.13	0.03	68	0.5	0.02	2.6
1303936	Soil	19.6	21.0	0.35	104.3	0.009	2	1.27	0.001	0.05	0.1	2.5	0.16	0.08	79	0.5	0.03	3.7
1303937	Soil	17.2	21.3	0.58	85.8	0.007	2	1.06	0.002	0.09	<0.1	3.3	0.19	0.03	89	0.5	<0.02	3.4
1303938	Soil	19.9	26.6	0.87	84.8	0.010	4	1.26	0.003	0.09	<0.1	2.6	0.14	0.08	119	0.6	<0.02	4.2
1303939	Soil	20.8	29.4	0.80	107.3	0.008	3	1.35	0.002	0.07	<0.1	2.5	0.14	0.10	141	0.8	<0.02	4.7
1303940	Soil	24.6	31.9	1.14	103.0	0.012	2	1.76	0.001	0.07	0.1	4.2	0.15	0.05	86	0.5	0.02	5.2

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Project: CAR
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CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303941	Soil	0.64	21.66	11.69	76.1	51	31.6	11.7	368	2.63	10.9	1.5	3.0	4.0	8.6	0.12	0.27	0.12	36	0.19	0.046
1303942	Soil	0.44	22.54	8.93	88.6	76	28.5	10.2	303	2.56	6.4	1.9	3.8	2.8	23.8	0.21	0.24	0.11	37	0.64	0.051
1303943	Soil	0.47	22.13	8.65	82.4	60	24.9	10.6	331	2.28	6.0	1.4	4.9	2.7	28.1	0.28	0.25	0.11	32	1.01	0.070
1303944	Soil	0.57	20.87	11.66	89.3	98	26.8	11.6	362	2.41	6.6	1.0	5.1	6.0	25.4	0.28	0.17	0.09	27	1.04	0.065
1303945	Soil	0.47	24.66	10.47	79.2	72	28.9	10.0	232	2.49	3.7	0.9	4.1	4.6	16.0	0.09	0.27	0.11	27	0.38	0.073
1303946	Soil	0.37	25.65	9.93	90.9	54	40.2	14.2	261	2.93	2.3	0.7	1.2	5.3	12.3	0.07	0.27	0.29	22	0.36	0.059
1303947	Soil	0.50	42.03	16.45	95.8	68	37.5	13.5	477	2.88	4.8	1.1	10.6	3.3	13.9	0.11	0.31	0.27	24	0.40	0.070
1303948	Soil	0.67	28.10	25.48	74.6	106	29.2	20.9	807	3.71	8.2	1.0	1.3	2.6	31.7	0.06	0.34	0.22	16	0.13	0.154
1303949	Soil	0.70	25.75	26.72	109.8	134	29.6	14.3	550	3.28	11.1	0.7	0.9	2.8	28.3	0.12	0.30	0.23	11	0.73	0.116
1303950	Soil	0.75	20.68	29.71	96.1	140	26.5	12.9	510	2.91	8.2	1.0	1.1	2.2	28.6	0.09	0.30	0.19	16	0.84	0.138
1303951	Soil	1.06	24.67	15.83	99.9	120	34.6	14.9	575	3.13	8.8	0.8	1.9	3.1	21.3	0.17	0.49	0.18	27	0.37	0.121
1303952	Soil	9.79	66.39	88.80	323.7	176	65.9	19.5	293	6.19	17.3	1.1	2.1	2.6	10.6	0.52	0.59	0.30	17	0.10	0.046
1303953	Soil	1.25	32.17	21.42	105.6	67	30.7	15.3	359	3.98	7.1	0.5	1.2	1.3	6.4	0.11	0.51	0.24	38	0.03	0.064
1303954	Soil	1.17	35.67	23.74	89.5	44	32.0	19.9	509	5.22	10.5	0.4	1.2	3.7	4.7	0.09	0.51	0.30	37	0.02	0.038
1303955	Soil	1.28	21.66	16.52	59.6	103	22.6	12.9	355	4.18	7.1	0.4	0.7	2.7	5.4	0.08	0.58	0.22	48	0.05	0.046
1303956	Soil	1.22	22.59	16.54	60.1	41	22.3	11.7	398	3.51	8.7	0.4	1.3	1.4	5.7	0.05	0.50	0.23	39	0.08	0.053
1303957	Soil	1.29	31.35	12.53	96.2	32	24.3	11.5	106	2.93	14.2	0.3	0.9	2.6	4.8	0.05	0.43	0.17	19	0.02	0.020
1303958	Soil	1.34	18.21	13.27	72.9	87	25.5	11.5	402	3.10	9.2	0.8	2.2	4.2	7.3	0.12	0.67	0.18	46	0.06	0.035
1303959	Soil	1.24	24.92	18.79	87.7	64	22.7	12.0	377	3.66	8.5	0.5	1.5	1.6	8.0	0.10	0.61	0.21	43	0.05	0.058
1303960	Soil	0.88	47.76	21.74	86.5	69	40.7	24.5	516	4.56	11.2	0.5	1.9	3.2	12.2	0.11	0.53	0.25	31	0.14	0.054
1303961	Soil	1.14	31.89	16.73	79.8	44	26.6	14.8	574	3.76	8.4	0.6	1.5	2.2	9.5	0.09	0.52	0.19	43	0.10	0.071
1303962	Soil	0.75	30.88	32.50	272.6	193	29.5	12.8	238	3.02	10.0	1.3	1.2	0.6	137.8	0.92	0.76	0.17	22	1.10	0.114
1303963	Soil	0.53	38.41	74.28	217.9	242	28.6	22.4	427	3.37	10.7	0.3	1.0	0.9	106.6	0.36	0.97	0.18	13	4.74	0.043
1303964	Soil	0.61	25.52	39.83	97.1	152	23.6	14.7	405	3.01	7.9	0.6	1.2	0.8	100.6	0.24	0.47	0.16	22	2.70	0.069
1303965	Soil	0.91	51.87	52.51	247.0	308	36.9	19.7	603	4.35	11.4	1.3	5.0	2.2	42.2	0.84	0.98	0.55	33	0.78	0.078
1303966	Soil	0.97	32.04	32.56	192.9	76	26.9	16.4	583	3.81	14.9	0.9	2.7	2.3	40.0	0.61	1.13	0.37	43	0.71	0.066
1303967	Soil	0.69	48.27	74.05	468.0	125	32.8	17.1	353	3.47	64.1	1.5	2.6	2.8	210.9	0.74	5.98	0.32	24	5.70	0.126
1303968	Soil	0.58	35.74	32.22	220.4	161	28.0	12.9	479	2.67	24.9	2.0	1.7	0.7	210.9	0.58	1.56	0.36	30	3.68	0.132
1303969	Soil	0.87	38.41	79.68	468.1	202	28.1	14.0	413	2.85	21.1	1.4	4.0	0.6	115.4	0.98	1.39	0.31	25	2.61	0.109
1303970	Soil	0.79	43.34	51.70	377.8	205	33.7	16.5	486	3.59	44.1	1.3	4.0	1.0	93.1	0.55	2.86	0.27	32	2.10	0.122

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303941	Soil	17.8	45.7	1.73	80.1	0.007	3	2.11	<0.001	0.08	<0.1	4.0	0.15	0.02	36	0.4	<0.02	6.7
1303942	Soil	22.1	47.7	1.91	74.4	0.007	4	2.00	<0.001	0.08	<0.1	5.0	0.10	0.04	59	0.6	<0.02	6.9
1303943	Soil	19.4	37.9	1.90	74.1	0.011	4	1.72	0.002	0.08	<0.1	4.5	0.08	0.05	29	0.6	<0.02	5.8
1303944	Soil	26.5	40.0	1.68	70.5	0.005	2	1.33	0.002	0.09	<0.1	6.5	0.08	<0.02	43	1.6	<0.02	4.7
1303945	Soil	21.8	37.3	1.46	368.4	0.011	3	1.57	0.002	0.09	0.1	6.2	0.07	0.02	19	0.6	<0.02	5.4
1303946	Soil	24.6	37.6	1.31	105.4	0.008	4	1.73	0.002	0.11	<0.1	8.0	0.06	0.02	19	0.2	0.03	6.0
1303947	Soil	20.7	37.0	1.16	168.9	0.009	3	1.67	0.001	0.11	<0.1	6.1	0.09	0.03	20	0.4	0.03	5.5
1303948	Soil	5.4	22.3	0.43	77.9	0.003	3	1.31	0.010	0.17	<0.1	2.5	0.17	0.23	47	0.5	0.05	4.3
1303949	Soil	7.8	14.0	0.23	84.4	0.002	4	0.80	0.004	0.13	<0.1	4.3	0.19	0.12	140	0.6	0.06	2.4
1303950	Soil	6.8	17.6	0.28	121.3	0.002	3	1.12	0.004	0.12	<0.1	3.2	0.14	0.14	71	0.6	0.03	3.4
1303951	Soil	12.1	23.5	0.47	155.7	0.013	2	1.24	0.006	0.09	0.1	4.7	0.14	0.04	76	0.4	0.03	3.9
1303952	Soil	7.8	10.7	0.04	55.6	<0.001	2	0.56	<0.001	0.07	<0.1	8.1	0.23	0.03	197	1.1	0.07	1.5
1303953	Soil	8.3	21.9	0.20	59.7	0.004	1	1.02	<0.001	0.09	<0.1	3.7	0.17	0.02	48	0.2	0.02	4.2
1303954	Soil	8.1	28.8	0.42	66.5	0.003	3	1.60	<0.001	0.09	<0.1	4.5	0.18	<0.02	35	0.3	0.06	5.8
1303955	Soil	7.6	29.4	0.37	61.7	0.007	2	1.53	<0.001	0.08	0.1	3.6	0.15	0.03	58	0.3	0.05	6.0
1303956	Soil	7.2	22.4	0.31	93.8	0.004	2	1.29	<0.001	0.07	<0.1	3.2	0.15	0.03	17	0.2	0.05	5.0
1303957	Soil	6.5	10.4	0.04	31.4	0.002	1	0.38	<0.001	0.06	<0.1	4.1	0.35	<0.02	39	0.8	0.05	1.7
1303958	Soil	10.8	28.0	0.38	104.0	0.010	1	1.68	<0.001	0.07	0.2	4.4	0.21	<0.02	50	0.3	0.03	5.6
1303959	Soil	7.1	26.2	0.32	67.6	0.009	1	1.41	<0.001	0.08	0.1	3.6	0.19	0.04	39	0.3	0.02	5.6
1303960	Soil	8.0	23.2	0.39	98.3	0.005	2	1.10	<0.001	0.07	<0.1	6.7	0.15	<0.02	40	0.2	0.07	3.8
1303961	Soil	7.1	27.1	0.29	142.9	0.003	2	1.69	<0.001	0.10	0.1	5.3	0.28	0.03	35	0.4	0.04	5.6
1303962	Soil	10.6	16.4	0.22	289.6	0.003	3	0.88	0.001	0.07	<0.1	3.1	0.10	0.07	118	0.6	<0.02	2.6
1303963	Soil	6.2	10.8	0.20	58.6	0.002	3	0.48	0.002	0.07	<0.1	4.8	0.13	0.06	170	0.5	0.06	1.4
1303964	Soil	8.2	15.8	0.23	95.0	0.004	2	0.94	0.002	0.06	<0.1	4.8	0.12	0.07	149	0.5	0.06	2.6
1303965	Soil	11.9	22.6	0.36	148.1	0.010	5	1.21	0.005	0.11	0.1	7.7	0.18	0.04	145	0.6	0.05	3.5
1303966	Soil	11.0	25.4	0.34	130.0	0.011	4	1.47	0.005	0.11	0.1	4.7	0.21	0.05	94	0.4	0.07	4.9
1303967	Soil	6.9	16.1	0.23	75.8	0.005	6	0.72	0.005	0.10	0.2	5.4	0.28	0.04	661	0.2	0.08	2.6
1303968	Soil	10.8	18.5	0.42	156.5	0.006	6	1.10	0.006	0.09	0.1	3.0	0.31	0.12	386	0.7	0.03	3.2
1303969	Soil	10.1	18.4	0.30	162.7	0.005	7	0.93	0.004	0.10	<0.1	3.1	0.23	0.12	240	0.4	0.06	2.7
1303970	Soil	15.8	21.5	0.30	169.2	0.007	5	1.12	0.005	0.10	0.1	4.8	0.39	0.08	232	0.6	0.08	3.1

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303971	Soil			0.85	35.12	55.65	267.8	294	30.1	14.4	533	3.00	27.2	1.6	1.5	1.0	88.0	0.63	3.14	0.25	34	1.78	0.120
1303972	Soil			0.88	36.14	60.01	296.8	318	30.3	13.1	505	2.85	18.9	1.3	0.5	1.0	88.6	0.52	1.64	0.22	34	1.80	0.135
1303973	Soil			1.10	45.18	40.80	137.4	265	31.5	15.6	478	3.01	34.8	2.3	3.2	1.4	63.4	0.32	2.51	0.25	22	1.83	0.097
1303974	Soil			0.88	34.55	45.92	330.4	287	25.4	11.5	450	3.00	29.0	1.7	0.4	0.5	133.2	0.82	2.90	0.25	31	2.69	0.152
1303975	Soil			0.89	31.98	42.61	198.7	253	27.1	12.2	441	3.18	26.3	1.9	<0.2	0.5	65.6	0.54	2.47	0.20	32	1.79	0.121
1303976	Soil			0.55	43.98	43.02	157.4	133	31.1	19.3	582	3.47	15.4	0.8	1.0	3.5	242.8	0.53	1.16	0.10	22	9.75	0.073
1303977	Soil			1.11	48.09	75.77	248.2	365	35.9	18.9	1081	4.07	49.2	1.7	1.2	1.5	61.6	0.87	5.46	0.24	30	1.36	0.127
1303978	Soil			0.85	36.36	53.58	209.4	317	30.8	17.7	916	3.56	30.7	1.4	1.1	1.3	56.3	0.66	3.01	0.21	34	1.54	0.120
1303979	Soil			1.25	41.63	53.33	148.2	338	30.3	16.0	700	3.43	27.3	2.1	1.7	1.7	59.1	0.31	2.29	0.25	33	1.50	0.133
1303980	Soil			1.06	32.73	38.47	112.1	226	26.7	14.1	605	3.04	22.3	1.8	2.4	1.3	60.9	0.29	1.47	0.69	33	1.48	0.125
1303981	Soil			0.68	33.39	31.17	178.9	207	27.1	13.4	515	2.90	15.5	1.3	1.3	1.6	59.1	0.56	1.68	0.33	30	1.75	0.115
1303982	Soil			1.00	33.45	44.95	242.3	133	29.9	13.9	645	3.74	20.4	1.1	1.4	3.5	44.6	0.52	1.99	0.17	31	2.01	0.074
1303983	Soil			0.81	38.11	33.44	153.9	327	25.1	12.3	439	2.98	15.0	2.9	2.0	1.2	43.4	0.64	1.83	0.24	39	1.95	0.199
1303984	Soil			0.63	28.58	38.52	188.0	94	24.5	11.9	504	2.70	12.5	1.2	1.3	3.6	47.0	0.41	0.82	0.13	19	4.51	0.072
1303985	Soil			0.95	27.87	47.49	150.7	215	21.1	11.4	691	3.31	17.6	0.9	1.4	2.0	45.2	0.72	1.55	0.12	27	4.58	0.073
1303986	Soil			0.79	29.71	57.58	152.0	180	17.9	9.6	547	2.64	16.2	0.6	0.2	2.7	79.9	0.61	1.56	0.02	13	9.77	0.063
1303987	Soil			0.75	23.83	40.10	158.2	111	16.0	9.2	567	2.48	13.3	0.6	0.7	2.4	77.7	0.57	1.53	<0.02	14	10.07	0.058
1303988	Soil			1.01	22.48	65.28	118.4	158	17.3	11.7	1248	4.61	23.6	0.8	1.0	2.7	24.4	0.45	2.84	0.11	32	2.55	0.092
1303989	Soil			1.04	13.83	25.71	512.3	146	11.6	7.9	862	2.83	12.4	0.8	3.5	2.1	47.7	1.01	1.37	0.02	16	8.92	0.073
1303990	Soil			0.96	17.46	18.94	104.7	43	26.7	12.2	358	3.28	11.5	0.6	5.4	3.9	16.1	0.28	0.87	0.10	41	0.30	0.063
1303991	Soil			0.78	29.32	36.37	147.6	191	25.2	11.4	545	3.26	19.0	0.9	1.4	2.5	57.7	0.35	1.86	0.13	35	3.20	0.096
1303992	Soil			0.98	16.67	20.07	77.9	111	20.6	9.5	553	2.92	10.4	1.5	0.6	1.7	39.7	0.28	0.78	0.18	56	1.37	0.120
1303993	Soil			0.79	26.94	32.27	205.6	116	23.6	11.9	688	3.32	18.5	0.8	1.0	2.7	30.0	0.69	1.97	0.09	33	1.70	0.107
1303994	Soil			0.79	47.20	44.15	83.4	66	29.4	21.0	1368	3.51	9.2	1.2	1.1	3.5	9.4	0.09	0.47	0.28	19	0.42	0.085
1303995	Soil			1.45	5.68	41.19	63.1	54	5.5	2.8	852	1.12	10.4	0.5	<0.2	0.9	40.3	0.32	0.13	<0.02	6	12.35	0.097
1303996	Soil			0.67	12.38	45.93	157.3	106	15.3	7.0	1679	1.96	9.0	0.7	1.9	0.7	28.7	0.50	0.40	0.06	26	7.59	0.155
1303997	Soil			0.99	14.05	36.86	166.5	145	18.9	7.8	1359	2.45	10.2	1.0	0.3	0.9	26.3	0.71	0.65	0.08	37	4.76	0.161
1303998	Soil			0.71	11.03	34.28	144.1	95	14.6	5.4	1017	1.80	7.9	0.8	<0.2	1.4	35.2	0.42	0.43	<0.02	25	8.77	0.130
1303999	Soil			1.01	13.66	28.74	198.8	100	19.9	9.7	1263	3.15	11.6	1.2	0.9	0.8	17.2	0.55	0.66	0.14	53	1.32	0.178
1304000	Soil			1.11	14.50	44.87	180.6	108	17.0	6.4	1149	2.25	9.1	0.8	<0.2	1.4	32.1	0.56	0.59	0.05	30	6.66	0.122



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303971	Soil	15.4	22.6	0.37	163.6	0.013	8	1.20	0.008	0.11	<0.1	3.9	0.40	0.10	211	0.7	0.10	3.6
1303972	Soil	15.4	22.0	0.35	161.6	0.012	7	1.23	0.008	0.09	0.1	4.1	0.32	0.11	146	0.8	0.04	3.8
1303973	Soil	14.6	15.2	0.22	149.0	0.005	7	0.85	0.005	0.12	0.1	3.9	0.69	0.10	243	0.8	0.05	2.4
1303974	Soil	15.8	20.0	0.38	154.9	0.006	8	1.16	0.006	0.09	<0.1	2.5	0.59	0.13	260	0.5	0.06	3.2
1303975	Soil	16.6	20.6	0.35	150.5	0.007	5	1.18	0.005	0.09	0.2	2.6	0.37	0.11	216	0.6	0.04	3.3
1303976	Soil	9.8	14.6	0.54	74.7	0.005	4	0.87	0.006	0.10	<0.1	5.1	0.16	0.03	124	0.4	0.03	2.7
1303977	Soil	18.8	18.7	0.32	168.2	0.007	5	1.07	0.005	0.12	0.1	5.2	0.71	0.08	365	0.9	0.05	3.1
1303978	Soil	15.4	21.6	0.32	175.2	0.007	5	1.31	0.006	0.12	0.1	4.9	0.44	0.10	256	0.7	0.10	3.9
1303979	Soil	16.2	20.5	0.30	174.9	0.008	5	1.26	0.006	0.11	<0.1	4.3	0.59	0.10	261	1.3	0.09	3.9
1303980	Soil	12.9	21.6	0.36	182.5	0.008	4	1.28	0.006	0.09	0.2	3.7	0.43	0.10	200	0.6	0.04	4.2
1303981	Soil	11.6	21.5	0.47	168.9	0.008	7	1.29	0.006	0.12	0.1	4.2	0.39	0.09	206	0.8	0.06	4.1
1303982	Soil	15.2	19.4	0.96	119.2	0.008	4	1.20	0.007	0.10	<0.1	5.1	0.25	0.04	104	0.4	0.04	3.3
1303983	Soil	12.6	25.9	0.74	239.6	0.010	4	1.54	0.008	0.10	0.2	3.6	0.44	0.12	245	1.4	<0.02	4.7
1303984	Soil	9.2	17.8	2.56	79.9	0.005	4	0.97	0.008	0.13	<0.1	4.3	0.25	0.07	62	0.5	<0.02	3.0
1303985	Soil	10.4	14.5	2.47	103.2	0.007	3	0.92	0.010	0.08	0.1	4.3	0.26	0.06	158	0.4	<0.02	2.6
1303986	Soil	8.0	8.2	5.52	53.2	0.004	3	0.40	0.014	0.08	<0.1	3.7	0.32	0.03	197	0.3	0.03	1.1
1303987	Soil	7.1	7.7	5.47	52.9	0.004	3	0.44	0.014	0.08	<0.1	3.4	0.29	0.03	126	0.2	<0.02	1.1
1303988	Soil	12.7	14.0	1.33	149.9	0.007	2	0.95	0.006	0.07	0.1	5.4	0.28	0.04	77	0.1	<0.02	2.5
1303989	Soil	8.8	9.3	5.11	156.3	0.006	2	0.56	0.012	0.05	<0.1	2.4	0.15	0.02	95	0.2	0.04	1.6
1303990	Soil	14.1	23.1	0.45	125.4	0.017	1	1.44	0.005	0.07	0.2	2.9	0.13	<0.02	40	0.3	0.07	4.2
1303991	Soil	16.0	20.0	1.37	156.1	0.011	4	1.20	0.008	0.09	0.2	4.6	0.21	0.05	173	0.6	0.08	3.2
1303992	Soil	12.3	29.4	0.50	220.2	0.024	1	1.57	0.007	0.07	0.2	3.9	0.25	0.08	67	0.5	<0.02	6.5
1303993	Soil	14.1	19.5	0.97	131.8	0.010	2	1.20	0.008	0.09	0.1	4.4	0.20	0.04	143	0.6	0.06	3.5
1303994	Soil	9.3	22.8	0.41	165.2	0.007	4	1.39	0.007	0.22	<0.1	6.7	0.27	0.05	38	0.4	0.04	5.0
1303995	Soil	4.3	6.1	7.34	40.4	0.003	2	0.31	0.012	0.06	<0.1	1.2	0.62	0.04	40	0.4	<0.02	0.9
1303996	Soil	10.1	16.3	4.47	109.6	0.011	2	1.04	0.011	0.07	0.1	1.6	0.30	0.07	37	0.8	<0.02	2.8
1303997	Soil	13.9	20.8	2.78	156.0	0.013	2	1.35	0.011	0.06	0.2	2.2	0.18	0.08	68	0.3	0.02	3.4
1303998	Soil	10.8	14.8	5.31	85.5	0.014	1	0.88	0.013	0.06	0.2	2.1	0.17	0.03	50	0.2	0.05	2.2
1303999	Soil	16.4	29.8	0.75	226.6	0.013	2	1.87	0.007	0.06	0.2	2.3	0.20	0.11	44	0.3	0.06	5.6
1304000	Soil	12.8	16.7	3.99	102.6	0.015	4	1.04	0.013	0.07	0.2	2.6	0.19	0.06	17	0.4	<0.02	3.0

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1303201	Soil	1.18	108.9	33.03	119.2	34	62.6	84.2	876	6.05	14.2	0.9	6.8	3.9	10.6	0.20	0.67	0.34	39	0.06	0.042
1303202	Soil	1.09	39.99	20.42	93.9	92	28.9	20.5	628	4.37	11.9	0.6	3.9	1.2	12.1	0.22	0.70	0.28	38	0.18	0.058
1303203	Soil	1.00	25.35	46.08	313.0	189	24.1	11.9	547	3.26	12.9	1.0	3.8	0.7	113.2	2.01	1.04	0.27	37	1.90	0.130
1303204	Soil	0.79	24.51	34.59	183.4	140	23.3	10.9	287	2.46	13.4	0.8	2.7	1.2	331.0	0.52	1.05	0.14	23	8.10	0.088
1303205	Soil	0.90	20.86	27.10	210.7	145	20.4	8.8	300	2.19	14.9	1.0	3.9	0.7	365.3	0.59	1.09	0.14	27	7.90	0.107
1303206	Soil	1.12	31.40	37.37	308.2	241	31.2	12.2	466	3.00	14.1	0.8	2.9	1.4	48.1	0.86	1.11	0.22	36	1.19	0.104
1303207	Soil	1.02	25.76	33.81	116.1	233	21.6	11.9	472	2.42	16.1	0.5	2.3	0.7	359.4	0.48	0.95	0.18	23	13.42	0.084
1303208	Soil	0.96	26.35	55.31	182.9	383	23.1	11.7	707	2.76	28.3	0.7	2.2	0.6	158.4	0.56	2.27	0.17	24	10.27	0.121
1303209	Soil	1.14	49.09	43.18	144.2	304	35.7	18.2	565	3.48	21.1	0.9	2.3	1.0	152.6	0.51	1.43	0.27	21	6.12	0.123
1303210	Soil	0.49	43.87	51.53	114.9	283	31.5	18.2	353	3.14	23.3	0.8	1.3	2.1	451.3	0.27	1.52	0.25	11	13.53	0.077
1303211	Soil	1.08	50.20	46.16	135.5	232	33.8	18.8	433	3.45	36.9	0.8	<0.2	2.4	340.9	0.39	2.59	0.35	15	10.84	0.086
1303212	Soil	0.93	38.67	63.73	288.7	178	35.5	21.0	1246	3.26	66.2	1.2	3.7	1.8	224.6	0.83	8.72	0.24	25	9.63	0.129
1303213	Soil	1.30	34.11	80.75	256.9	735	30.9	15.6	758	3.53	39.1	1.1	2.4	2.0	88.2	0.88	7.10	0.26	31	4.24	0.119
1303214	Soil	0.90	29.98	59.02	218.8	316	23.8	12.7	683	2.83	33.2	1.8	1.6	0.9	101.6	0.75	4.02	0.21	28	4.38	0.230
1303215	Soil	0.38	39.19	32.34	267.5	227	28.1	12.6	446	2.69	14.6	1.2	2.3	1.6	65.9	0.74	2.19	0.22	30	2.02	0.113
1303216	Soil	0.66	27.75	44.10	376.5	252	25.4	12.6	400	2.65	20.8	1.2	2.2	1.4	62.2	1.09	2.36	0.19	29	2.44	0.145
1303217	Soil	0.78	32.53	35.73	382.1	230	28.0	12.7	955	2.92	15.4	1.1	2.6	1.9	56.4	1.14	1.61	0.20	33	2.10	0.112
1303218	Soil	1.11	31.86	22.51	112.7	169	33.2	13.6	596	3.01	11.7	0.7	2.8	2.6	71.5	0.52	1.18	0.19	36	3.52	0.082
1303219	Soil	1.14	21.25	50.49	160.8	306	22.9	11.3	1096	3.83	27.7	1.7	9.4	1.4	71.6	0.71	4.08	0.21	40	4.34	0.238
1303220	Soil	0.82	21.04	34.19	116.0	160	18.2	8.9	620	2.39	21.1	0.7	0.7	1.0	59.1	0.66	2.62	0.13	28	6.00	0.120
1303221	Soil	0.75	21.45	34.04	144.2	137	18.0	10.6	460	2.25	21.0	0.7	1.2	1.2	77.5	0.71	3.46	0.13	23	7.10	0.123
1303222	Soil	1.06	39.06	33.51	142.7	123	27.7	14.9	568	3.08	21.5	0.6	1.6	3.3	57.4	0.49	2.04	0.16	21	6.20	0.097
1303223	Soil	1.26	34.78	22.35	124.7	162	29.3	13.5	573	2.98	20.8	0.6	2.5	3.4	39.4	0.49	2.15	0.17	31	3.93	0.106
1303224	Soil	0.99	36.26	34.78	184.8	214	28.9	15.7	424	3.15	20.8	1.1	1.9	1.3	37.9	0.62	2.55	0.21	30	1.37	0.121
1303225	Soil	0.92	30.59	26.30	156.5	158	27.9	13.0	540	3.09	17.3	0.8	3.1	1.6	42.2	0.58	1.59	0.18	31	2.23	0.110
1303226	Rock Pulp	0.03	3.41	0.20	4.3	21	0.9	0.9	20	0.32	0.3	<0.1	<0.2	<0.1	11.6	<0.01	<0.02	<0.02	10	0.14	0.026
1303227	Soil	1.39	16.26	34.12	115.0	50	21.8	9.4	755	3.03	12.0	1.1	1.2	1.2	12.1	0.23	0.80	0.23	53	1.48	0.078
1303228	Soil	0.56	30.13	12.72	103.4	51	33.6	11.8	295	2.66	6.4	1.8	5.9	6.3	24.9	0.17	0.24	0.12	29	1.04	0.070
1303229	Soil	0.38	34.29	13.13	104.1	37	34.3	11.7	312	2.61	3.4	1.1	6.3	5.1	21.1	0.26	0.20	0.12	25	0.79	0.070
1303230	Soil	0.83	33.24	13.23	80.2	71	28.9	13.0	210	2.35	8.9	1.7	9.5	6.1	37.6	0.20	0.33	0.12	32	1.71	0.070



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303201	Soil	7.2	30.9	0.42	64.1	0.024	2	1.45	0.003	0.07	0.1	8.6	0.19	<0.02	18	0.3	0.04	4.7
1303202	Soil	7.2	27.5	0.35	67.2	0.015	1	1.37	0.002	0.08	0.1	4.4	0.14	0.04	46	0.1	0.03	4.5
1303203	Soil	15.0	24.7	0.31	191.3	0.012	4	1.40	0.004	0.07	0.1	3.5	0.12	0.09	134	0.3	0.03	3.8
1303204	Soil	8.2	13.8	0.39	174.6	0.010	2	0.78	0.006	0.06	0.1	2.9	0.10	0.05	64	0.3	<0.02	2.1
1303205	Soil	9.5	15.2	0.32	100.4	0.012	4	0.84	0.007	0.06	0.2	2.3	0.11	0.07	78	0.5	<0.02	2.4
1303206	Soil	15.5	24.8	0.48	131.8	0.017	4	1.19	0.007	0.08	0.2	4.3	0.13	0.06	105	0.5	0.05	3.6
1303207	Soil	10.8	12.1	0.37	124.2	0.007	5	0.72	0.007	0.09	0.1	3.0	0.33	0.09	133	1.0	0.06	1.7
1303208	Soil	10.3	13.5	0.98	104.4	0.007	6	0.77	0.009	0.10	0.1	2.4	0.27	0.10	147	0.7	0.09	1.9
1303209	Soil	14.1	12.7	0.33	112.3	0.006	6	0.71	0.006	0.12	0.1	4.1	0.40	0.09	298	1.2	0.09	2.0
1303210	Soil	11.4	6.3	0.20	68.4	0.003	4	0.32	0.005	0.11	<0.1	4.6	0.30	0.08	249	0.7	0.06	0.8
1303211	Soil	13.4	8.9	0.26	72.5	0.005	5	0.40	0.006	0.11	<0.1	5.3	0.45	0.08	234	1.1	0.10	1.1
1303212	Soil	10.8	16.4	0.59	142.6	0.005	5	1.17	0.004	0.16	0.2	4.5	0.88	0.05	173	0.6	0.04	2.9
1303213	Soil	13.6	19.0	0.86	122.4	0.012	4	1.07	0.008	0.13	0.3	5.1	0.54	0.05	219	0.7	0.07	2.9
1303214	Soil	12.6	16.4	0.96	143.2	0.006	5	0.98	0.006	0.09	0.2	3.3	0.51	0.10	204	0.8	0.08	2.7
1303215	Soil	11.0	21.1	0.43	147.5	0.006	3	1.20	0.005	0.08	0.2	3.9	0.33	0.08	206	0.7	0.03	3.4
1303216	Soil	11.3	19.8	0.65	136.8	0.007	4	1.10	0.005	0.08	0.1	3.6	0.45	0.08	254	0.7	0.07	3.2
1303217	Soil	11.8	22.1	0.65	222.9	0.006	3	1.29	0.005	0.08	0.1	4.3	0.29	0.06	201	0.4	0.04	3.7
1303218	Soil	11.6	24.7	1.32	218.9	0.014	3	1.34	0.009	0.11	0.2	4.2	0.16	0.03	142	0.1	<0.02	3.7
1303219	Soil	17.1	22.7	1.87	165.7	0.011	3	1.45	0.006	0.06	0.2	5.1	0.27	0.06	321	0.4	0.05	3.3
1303220	Soil	10.1	15.9	2.98	286.8	0.008	3	0.86	0.008	0.07	0.1	3.6	0.28	0.06	230	0.4	<0.02	2.3
1303221	Soil	9.4	13.2	2.84	264.4	0.006	3	0.72	0.007	0.07	0.1	3.9	0.24	0.05	231	0.4	<0.02	1.9
1303222	Soil	11.2	12.7	3.44	127.7	0.005	3	0.66	0.007	0.09	<0.1	5.4	0.47	0.03	285	0.2	0.02	1.8
1303223	Soil	14.0	18.7	2.25	184.2	0.015	3	0.92	0.009	0.09	0.2	5.2	0.36	0.03	255	0.2	0.05	2.8
1303224	Soil	11.7	20.1	0.42	259.3	0.007	3	1.10	0.004	0.08	0.2	4.3	0.49	0.08	282	0.6	0.04	3.2
1303225	Soil	11.4	19.7	0.89	195.9	0.007	4	1.18	0.005	0.09	0.1	4.3	0.36	0.06	206	0.7	0.03	3.4
1303226	Rock Pulp	1.0	1.0	0.03	14.5	0.016	<1	0.15	0.063	0.05	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.7
1303227	Soil	11.9	27.6	1.07	173.2	0.015	2	1.79	0.004	0.07	0.2	2.7	0.46	0.04	53	0.2	0.07	6.5
1303228	Soil	29.7	47.1	2.75	75.7	0.010	4	2.05	0.002	0.14	<0.1	6.4	0.07	0.03	34	0.6	0.03	6.7
1303229	Soil	29.9	44.3	2.61	118.9	0.008	5	2.02	0.003	0.14	<0.1	7.0	0.08	0.04	48	0.5	<0.02	6.4
1303230	Soil	23.5	39.0	2.51	60.9	0.010	4	1.77	0.003	0.14	<0.1	4.6	0.10	<0.02	45	0.5	0.02	5.7



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1303231	Soil			2.92	27.76	18.78	102.4	467	27.5	10.7	306	2.25	12.5	4.5	6.8	5.7	95.1	0.30	0.57	0.15	29	3.72	0.123
1303232	Soil			1.67	20.44	23.42	224.3	253	24.1	10.2	306	2.06	10.8	3.9	7.4	3.1	186.2	0.96	0.62	0.11	25	7.31	0.145
1303233	Soil			1.36	24.24	15.60	87.0	229	32.8	11.0	395	3.14	11.6	1.1	1.4	3.0	14.0	0.35	0.85	0.20	39	0.18	0.092
1303234	Soil			0.71	43.56	52.74	198.4	362	47.0	20.7	678	3.74	12.9	1.0	1.8	3.8	35.6	0.22	0.73	0.42	20	0.85	0.084
1303235	Soil			0.86	32.31	248.3	817.3	2152	42.2	17.5	786	3.55	14.2	0.8	1.7	5.8	25.3	4.87	3.53	0.36	17	0.37	0.065
1303236	Soil			1.05	22.42	81.41	110.0	424	18.3	6.5	158	3.08	9.1	0.5	1.2	3.4	9.7	0.14	0.44	0.43	10	0.11	0.031
1303237	Soil			1.42	15.29	417.3	2879	552	19.8	8.2	2535	6.48	10.9	1.3	11.1	1.4	25.6	4.66	0.91	0.24	40	5.51	0.099
1303238	Soil			1.36	18.71	188.2	575.3	288	24.9	9.2	1761	4.25	11.6	1.5	6.3	1.6	18.5	1.30	0.94	0.20	48	3.45	0.107
1303239	Soil			0.76	8.90	48.34	179.4	160	12.7	4.9	1819	1.67	5.3	1.9	2.2	0.8	38.2	0.80	0.35	0.10	27	11.56	0.111
1303240	Soil			1.30	17.76	87.56	300.6	264	23.8	9.3	2189	3.30	12.7	1.5	4.6	1.7	24.7	0.79	0.64	0.19	43	4.43	0.120
1303241	Soil			1.32	19.66	48.02	254.2	152	28.4	12.0	1669	3.62	10.7	1.5	2.0	1.0	12.5	0.97	0.77	0.24	52	0.73	0.122
1303242	Soil			0.98	13.64	24.15	125.8	145	17.7	6.4	1512	2.03	7.5	1.1	1.1	0.8	31.8	0.47	0.46	0.11	27	8.44	0.124
1303243	Soil			1.35	17.46	48.19	388.3	170	24.3	9.5	2289	3.80	10.9	1.0	5.0	1.7	21.9	1.13	0.70	0.13	42	3.59	0.095
1303244	Soil			1.69	18.53	61.95	516.9	150	25.2	9.4	2784	4.72	13.4	1.1	2.4	2.1	14.7	1.23	0.72	0.13	44	1.77	0.077
1303245	Soil			1.63	15.65	41.64	508.1	185	28.3	9.9	2521	3.84	13.4	0.9	4.0	2.4	16.8	1.90	0.76	0.15	47	2.26	0.069
1303246	Soil			1.08	15.74	32.90	180.4	152	22.2	9.3	1733	2.56	10.1	1.0	1.0	1.2	26.7	0.68	0.57	0.12	38	5.30	0.117
1303247	Soil			0.46	9.66	22.38	83.3	106	12.1	5.6	1460	1.45	6.4	0.9	1.1	0.8	44.2	0.38	0.29	0.05	19	11.31	0.101
1303248	Soil			0.70	9.32	22.43	107.1	104	13.7	6.0	1541	1.59	6.9	0.8	0.8	0.9	38.5	0.65	0.36	0.08	22	10.59	0.102
1303249	Soil			0.45	9.55	92.04	208.2	102	14.4	6.4	1201	1.90	7.1	0.7	0.9	2.0	40.8	0.71	0.30	0.06	20	10.88	0.056
1303250	Soil			0.88	13.70	50.87	133.6	117	21.4	9.4	1418	2.43	9.0	0.9	0.9	1.8	26.0	0.55	0.51	0.11	33	5.95	0.123
1303251	Soil			1.12	11.22	35.82	85.0	84	16.1	7.2	1003	2.17	9.5	0.7	0.5	1.2	21.8	0.35	0.45	0.10	25	5.41	0.160
1303252	Soil			1.18	10.08	24.27	109.4	50	17.3	7.8	1344	2.35	10.6	0.8	0.9	1.2	21.8	0.49	0.44	0.12	36	5.79	0.173
1303253	Soil			0.62	7.26	35.07	110.5	53	8.4	4.0	1346	1.10	8.0	1.0	<0.2	1.1	39.4	0.47	0.15	<0.02	9	13.38	0.238
1303254	Soil			1.16	6.07	29.80	101.5	46	7.8	3.8	1225	1.32	7.5	1.0	1.1	0.7	40.2	0.47	0.17	0.03	13	11.87	0.438
1303255	Soil			1.19	9.25	44.09	131.1	65	12.1	5.3	1476	1.84	9.8	0.9	0.3	0.7	34.5	0.62	0.27	0.06	20	9.59	0.340
1303256	Rock Pulp			<0.01	2.66	0.17	3.7	13	0.7	0.8	19	0.29	0.4	<0.1	<0.2	<0.1	10.1	<0.01	<0.02	<0.02	9	0.13	0.025
1300385	Soil			0.75	37.78	40.30	133.2	42	35.9	22.8	1861	3.95	8.9	1.0	2.5	4.3	11.6	0.24	0.33	0.35	25	0.46	0.079
1300386	Soil			1.01	32.86	33.00	110.2	75	27.5	20.6	1845	4.02	11.6	1.3	1.2	1.5	9.2	0.19	0.52	0.36	33	0.37	0.143
1300387	Soil			1.15	25.81	31.69	125.9	64	26.2	15.1	1332	3.87	10.7	1.2	1.1	0.9	8.4	0.26	0.55	0.34	36	0.25	0.119
1300388	Soil			1.21	26.62	47.10	180.5	84	28.8	13.2	1426	4.57	14.9	1.4	1.2	2.4	10.3	0.31	0.63	0.28	37	0.35	0.108



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1303231	Soil	19.8	24.8	2.44	57.8	0.013	6	1.30	0.008	0.26	<0.1	5.1	0.33	0.03	132	0.7	<0.02	4.2
1303232	Soil	16.3	14.7	1.41	74.7	0.014	4	0.75	0.010	0.10	0.2	3.6	0.22	0.05	127	0.7	0.02	2.0
1303233	Soil	13.8	27.0	0.52	102.9	0.022	2	1.48	0.004	0.09	0.2	3.4	0.12	0.04	48	0.3	0.06	4.3
1303234	Soil	11.9	18.3	0.26	81.0	0.003	7	0.78	0.003	0.14	<0.1	5.6	0.14	0.04	90	0.6	0.08	2.2
1303235	Soil	8.6	15.4	0.23	77.5	0.005	5	0.60	0.006	0.17	<0.1	5.1	0.14	0.19	165	0.3	0.06	1.9
1303236	Soil	3.0	7.5	0.05	53.0	0.002	2	0.31	0.002	0.12	<0.1	3.3	0.20	0.05	162	0.4	0.06	1.0
1303237	Soil	13.0	19.5	3.49	139.1	0.018	3	1.14	0.011	0.04	0.2	2.8	1.14	<0.02	159	0.4	0.02	3.0
1303238	Soil	15.3	22.6	2.21	132.8	0.024	4	1.24	0.008	0.05	0.2	2.9	0.58	0.06	61	0.4	<0.02	3.5
1303239	Soil	8.6	12.2	7.15	70.8	0.014	3	0.67	0.010	0.04	<0.1	1.6	0.17	0.04	25	0.2	<0.02	1.5
1303240	Soil	19.3	23.5	2.75	134.8	0.018	3	1.31	0.008	0.05	0.3	3.3	0.45	0.06	57	0.3	<0.02	3.3
1303241	Soil	20.1	32.3	0.66	214.3	0.018	3	1.78	0.005	0.06	0.2	2.8	0.33	0.09	50	0.4	0.09	5.2
1303242	Soil	13.2	18.3	5.25	85.9	0.013	4	1.03	0.009	0.04	0.1	1.8	0.13	0.07	44	0.2	<0.02	2.4
1303243	Soil	19.3	23.6	2.30	146.1	0.021	3	1.32	0.008	0.05	0.2	3.3	0.32	0.05	47	0.2	0.03	3.8
1303244	Soil	21.9	26.7	1.25	129.4	0.021	2	1.31	0.007	0.05	0.4	3.8	0.29	0.05	58	0.3	0.03	3.5
1303245	Soil	24.4	28.6	1.61	237.2	0.026	1	1.40	0.009	0.05	0.5	3.6	0.25	0.04	78	0.2	0.02	4.1
1303246	Soil	16.9	22.4	3.31	123.9	0.021	4	1.20	0.008	0.06	0.3	2.6	0.21	0.06	62	<0.1	<0.02	3.3
1303247	Soil	12.0	11.3	6.95	68.5	0.009	3	0.62	0.008	0.04	0.2	1.9	0.13	0.04	20	<0.1	0.03	1.5
1303248	Soil	12.2	13.7	6.55	85.0	0.010	4	0.80	0.008	0.05	<0.1	2.0	0.12	0.04	33	0.2	0.03	1.7
1303249	Soil	10.7	12.0	6.72	62.5	0.009	2	0.64	0.008	0.05	<0.1	2.8	0.18	<0.02	29	0.2	<0.02	1.7
1303250	Soil	16.4	22.7	3.82	123.6	0.014	2	1.23	0.008	0.07	0.2	3.3	0.21	0.05	18	0.5	0.02	3.5
1303251	Soil	15.1	17.8	3.25	78.5	0.009	4	0.95	0.008	0.09	0.2	2.3	0.29	0.06	48	0.1	<0.02	2.4
1303252	Soil	14.0	23.4	3.52	150.0	0.015	3	1.72	0.006	0.06	0.2	2.6	0.34	0.06	46	0.5	<0.02	4.1
1303253	Soil	7.0	7.9	8.24	53.8	0.004	5	0.43	0.010	0.08	<0.1	1.3	0.44	0.02	65	0.2	<0.02	1.0
1303254	Soil	11.8	11.3	6.88	61.3	0.004	6	0.80	0.009	0.10	<0.1	1.4	0.37	0.06	63	0.3	<0.02	1.6
1303255	Soil	12.6	15.8	5.70	76.9	0.006	4	1.08	0.008	0.07	<0.1	1.8	0.36	0.06	55	0.2	0.04	2.2
1303256	Rock Pulp	1.2	0.8	0.02	14.8	0.015	<1	0.15	0.062	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6
1300385	Soil	7.9	30.1	0.68	218.3	0.008	1	1.59	0.005	0.14	0.1	5.2	0.15	<0.02	23	<0.1	<0.02	6.5
1300386	Soil	9.0	33.0	0.52	194.3	0.009	2	1.73	0.004	0.13	0.2	3.9	0.17	0.05	40	0.4	0.05	6.4
1300387	Soil	9.5	32.8	0.41	157.7	0.010	<1	1.54	0.004	0.12	0.2	3.0	0.20	0.05	11	<0.1	0.03	6.5
1300388	Soil	11.6	28.7	0.44	191.8	0.010	2	1.52	0.003	0.12	0.2	4.6	0.31	0.05	41	0.1	<0.02	5.2



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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300389	Soil	1.02	15.57	40.11	249.4	69	19.6	7.3	744	3.29	9.9	1.2	0.3	0.6	8.8	0.28	0.49	0.22	35	0.32	0.128
1300390	Soil	0.89	18.27	36.17	156.0	102	22.2	9.1	972	3.04	8.6	1.3	0.6	1.8	13.8	0.42	0.46	0.21	30	1.51	0.122
1300391	Soil	0.70	19.71	143.4	315.7	254	31.8	11.3	3741	3.50	10.5	2.6	0.3	2.7	12.4	3.07	0.50	0.29	27	2.91	0.146
1300392	Soil	0.89	16.61	33.14	99.3	110	32.0	10.7	901	3.95	11.1	3.2	2.3	1.9	10.7	0.25	0.60	0.23	37	0.43	0.107
1300393	Soil	0.93	36.03	68.35	157.8	233	34.1	14.8	2283	3.84	11.9	1.9	2.3	4.4	22.1	0.65	0.59	0.30	31	2.09	0.090
1300394	Soil	0.93	14.79	22.73	97.6	187	21.2	9.4	555	3.01	8.8	1.0	1.0	0.8	7.4	0.21	0.44	0.23	35	0.09	0.077
1300395	Soil	0.81	24.92	31.77	113.5	128	30.4	13.0	901	3.32	8.4	1.6	1.4	4.3	9.9	0.36	0.41	0.25	25	0.16	0.056
1300396	Soil	0.90	21.40	27.29	113.9	176	26.4	9.0	706	2.83	9.3	1.5	2.4	2.5	19.6	0.36	0.47	0.20	28	1.15	0.081
1300397	Soil	0.81	21.82	87.96	419.6	294	26.1	10.6	730	3.57	9.1	1.0	2.1	2.8	14.3	0.83	0.54	0.22	16	0.45	0.077
1300398	Soil	0.81	27.46	24.32	215.2	370	27.0	9.9	610	2.36	10.1	2.7	2.5	1.2	44.1	0.64	0.53	0.14	32	1.52	0.105
1300399	Soil	1.10	19.35	32.67	149.6	311	22.4	9.3	682	2.48	11.1	9.3	7.8	1.0	57.4	0.72	0.57	0.14	34	1.69	0.132
1300400	Soil	1.16	15.46	18.18	77.6	548	15.8	7.2	541	2.07	9.0	7.2	2.3	0.6	91.5	0.57	0.42	0.12	28	1.98	0.164
1300401	Soil	1.21	22.93	16.26	90.8	354	21.4	8.9	417	2.13	9.8	4.2	6.6	1.0	81.8	0.47	0.46	0.30	39	1.45	0.122
1300402	Soil	0.92	28.59	14.24	79.2	189	27.7	9.2	300	2.36	9.0	2.1	7.4	3.0	14.4	0.29	0.46	0.21	28	0.37	0.083
1300403	Soil	0.65	24.95	16.08	95.9	61	28.1	9.0	412	2.46	12.8	1.9	4.4	3.1	13.4	0.28	0.29	0.18	38	0.24	0.074
1300404	Soil	0.88	22.62	20.27	107.7	203	25.2	9.2	427	2.58	12.7	2.3	3.2	2.5	21.0	0.40	0.39	0.21	41	0.39	0.116
1300405	Soil	0.41	24.79	11.56	86.0	58	29.7	11.0	255	2.60	7.2	1.2	5.0	4.6	11.7	0.16	0.25	0.16	35	0.25	0.045
1300406	Soil	0.48	24.07	12.43	93.8	30	30.8	10.8	311	2.80	7.1	1.6	6.0	3.2	16.0	0.15	0.29	0.17	41	0.33	0.070
1300407	Soil	0.46	27.87	19.48	107.8	40	29.0	10.1	399	2.68	9.7	2.4	5.4	2.8	16.1	0.29	0.31	0.17	39	0.37	0.078
1300408	Soil	0.40	27.81	14.50	88.0	26	35.8	11.9	386	2.82	5.8	0.8	6.9	4.8	9.7	0.10	0.25	0.16	28	0.19	0.055
1300409	Soil	0.38	58.13	13.40	98.2	35	34.0	11.5	369	2.86	4.0	0.9	3.6	3.7	21.8	0.31	0.22	0.21	24	0.78	0.077
1300410	Soil	0.20	14.78	9.61	93.3	24	38.6	13.5	458	2.86	2.0	0.6	5.9	3.8	22.3	0.20	0.19	0.24	19	0.77	0.061
1300411	Soil	0.29	23.55	30.29	90.4	27	41.1	13.3	388	2.84	4.7	1.9	2.4	3.9	18.0	0.13	0.22	0.28	23	0.62	0.063
1300412	Soil	0.90	26.64	14.41	76.6	61	24.8	8.7	414	2.89	6.7	0.5	3.9	2.5	5.7	0.10	0.43	0.24	34	0.07	0.063
1300413	Soil	0.58	25.69	63.90	264.6	106	29.8	13.5	271	3.04	14.8	0.7	2.6	5.7	31.2	0.30	0.22	0.19	6	1.14	0.133
1300414	Soil	0.60	23.66	43.37	187.4	112	28.1	12.5	538	3.07	13.4	0.6	3.4	2.9	26.6	0.24	0.27	0.21	11	1.31	0.120
1300415	Soil	1.70	21.52	20.13	85.0	34	23.5	9.6	230	3.97	7.8	0.5	3.0	4.0	25.9	0.16	0.47	0.26	31	0.68	0.065
1300416	Soil	2.02	29.22	22.66	89.7	33	26.9	15.6	481	3.95	10.2	0.7	1.8	3.5	9.1	0.16	0.69	0.27	37	0.07	0.091
1300417	Soil	12.01	70.67	71.92	316.0	571	52.9	25.2	2864	4.46	21.9	2.1	11.4	3.8	34.6	2.06	1.43	0.31	26	2.55	0.058
1300418	Soil	1.63	31.71	23.42	93.0	47	25.3	15.6	666	4.00	10.1	0.7	3.0	4.0	6.8	0.15	0.68	0.29	37	0.08	0.058

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300389	Soil	11.5	24.1	0.35	117.6	0.009	2	1.32	0.002	0.09	0.2	2.0	0.36	0.05	22	0.2	0.04	4.5
1300390	Soil	11.7	22.9	1.01	118.8	0.008	2	1.25	0.003	0.09	0.1	3.3	0.25	0.04	25	<0.1	0.03	3.7
1300391	Soil	22.0	23.2	1.76	153.3	0.009	3	1.68	0.003	0.08	0.1	5.1	0.73	0.05	32	<0.1	<0.02	2.5
1300392	Soil	18.7	25.4	0.38	175.4	0.011	3	1.72	0.002	0.08	0.2	3.5	0.31	0.04	41	0.2	0.06	4.0
1300393	Soil	15.0	26.6	1.44	172.6	0.009	4	1.44	0.005	0.14	0.2	6.5	0.46	0.05	95	<0.1	0.07	4.4
1300394	Soil	12.9	24.6	0.38	108.2	0.012	1	1.47	0.002	0.07	0.2	2.0	0.26	0.04	20	0.4	0.03	4.9
1300395	Soil	19.4	22.6	0.38	156.0	0.005	2	1.42	0.002	0.10	0.1	5.4	0.27	0.03	36	<0.1	0.05	3.6
1300396	Soil	17.4	23.9	0.88	98.8	0.011	2	1.20	0.003	0.08	0.1	3.9	0.22	0.03	53	0.4	0.06	3.5
1300397	Soil	10.7	13.3	0.35	71.6	0.004	2	0.71	0.003	0.13	<0.1	3.4	0.29	0.08	111	0.2	0.06	2.1
1300398	Soil	25.5	32.9	1.10	102.1	0.009	4	1.43	0.002	0.10	0.1	3.6	0.19	0.10	135	0.7	0.04	4.5
1300399	Soil	24.7	26.3	0.73	137.4	0.010	3	1.41	0.004	0.10	0.1	3.0	0.31	0.10	118	0.7	<0.02	4.5
1300400	Soil	23.2	21.5	0.35	88.4	0.009	3	1.07	0.004	0.07	<0.1	2.3	0.17	0.14	111	0.5	0.04	2.9
1300401	Soil	23.1	27.9	0.97	107.9	0.009	6	1.43	0.003	0.08	0.1	2.2	0.16	0.09	139	0.7	0.03	4.3
1300402	Soil	27.6	26.1	0.70	98.1	0.008	5	1.31	0.002	0.08	<0.1	4.7	0.16	0.02	61	0.2	0.04	3.8
1300403	Soil	26.0	43.0	1.62	87.6	0.009	5	1.99	<0.001	0.08	<0.1	3.2	0.14	0.02	38	0.2	<0.02	5.9
1300404	Soil	25.0	41.9	1.47	112.9	0.009	4	1.89	0.001	0.09	<0.1	3.7	0.16	0.04	90	0.5	<0.02	5.9
1300405	Soil	27.2	44.8	1.98	78.5	0.009	4	2.11	0.001	0.10	<0.1	4.8	0.15	<0.02	39	0.3	0.03	6.4
1300406	Soil	27.1	49.6	2.10	110.2	0.011	4	2.37	0.001	0.09	<0.1	4.6	0.12	0.02	25	0.4	<0.02	7.6
1300407	Soil	25.5	47.8	1.85	129.3	0.010	4	2.16	0.002	0.08	<0.1	4.6	0.14	0.03	30	0.5	0.03	6.8
1300408	Soil	28.8	44.6	1.53	192.6	0.006	4	2.04	0.001	0.10	<0.1	3.9	0.11	<0.02	17	0.5	<0.02	6.1
1300409	Soil	30.0	39.6	1.35	185.5	0.006	5	1.88	0.003	0.11	<0.1	6.9	0.10	0.05	43	0.3	<0.02	5.7
1300410	Soil	27.4	36.1	1.35	204.8	0.004	5	1.83	0.003	0.10	<0.1	6.7	0.07	0.04	31	<0.1	<0.02	5.5
1300411	Soil	24.0	36.8	1.13	82.4	0.006	4	1.85	0.003	0.10	<0.1	6.0	0.09	0.04	35	0.2	0.04	5.6
1300412	Soil	17.4	30.6	0.59	76.4	0.010	3	1.60	0.002	0.11	0.1	2.1	0.15	0.03	30	0.2	0.03	6.8
1300413	Soil	11.7	7.0	0.13	41.0	0.002	4	0.44	0.004	0.12	<0.1	4.8	0.15	0.04	150	0.5	0.03	1.1
1300414	Soil	11.8	10.5	0.16	81.2	0.002	5	0.71	0.004	0.13	<0.1	4.7	0.18	0.06	175	0.5	0.05	1.6
1300415	Soil	6.6	25.6	0.51	102.9	0.008	5	1.61	0.008	0.14	<0.1	3.0	0.17	0.09	38	0.4	0.08	6.1
1300416	Soil	7.8	26.8	0.51	67.7	0.009	4	1.76	0.002	0.11	0.1	3.0	0.19	0.03	44	0.6	0.06	5.7
1300417	Soil	5.5	11.9	1.50	98.1	0.003	4	0.68	0.004	0.12	<0.1	6.3	0.27	0.06	394	0.7	0.05	2.0
1300418	Soil	9.5	27.8	0.49	83.2	0.007	6	1.94	0.002	0.13	0.1	3.2	0.20	0.02	58	0.3	0.03	6.6



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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300419	Soil			0.94	61.88	23.21	77.5	67	32.4	21.2	1215	3.94	5.4	1.3	6.5	3.2	8.4	0.10	0.34	0.31	26	0.09	0.118
1300420	Soil			1.49	39.33	24.92	91.0	101	36.8	21.0	789	3.57	11.1	0.9	4.2	4.8	20.9	0.14	0.51	0.24	24	0.53	0.089
1300421	Soil			1.31	27.28	20.20	71.9	42	25.1	13.7	698	3.48	8.6	1.0	1.9	3.2	13.1	0.05	0.38	0.26	40	0.25	0.111
1300422	Soil			1.08	34.21	23.49	85.6	55	30.4	14.7	520	3.87	9.6	0.7	1.6	3.4	13.4	0.14	0.46	0.24	35	0.20	0.069
1300423	Soil			1.20	35.74	34.07	84.4	50	32.4	19.0	635	4.11	11.5	0.9	0.5	3.2	15.4	0.06	0.54	0.35	38	0.16	0.072
1300424	Soil			1.16	38.30	23.95	90.2	173	31.8	17.7	809	3.76	9.7	1.1	0.9	3.8	15.6	0.10	0.44	0.39	37	0.20	0.096
1300425	Soil			1.09	25.59	16.75	95.9	107	29.2	12.6	463	3.11	10.4	1.2	2.1	3.5	17.3	0.11	0.52	0.23	41	0.30	0.094
1300426	Soil			1.35	30.18	28.31	109.5	34	28.3	17.2	619	3.78	12.7	0.6	2.0	2.3	14.1	0.15	0.62	0.29	40	0.10	0.076
1300427	Soil			1.10	38.81	53.42	270.1	183	32.3	14.4	461	3.45	15.5	0.9	3.5	1.9	41.7	0.78	0.78	0.24	27	1.23	0.110
1300428	Soil			1.07	68.78	39.25	170.5	179	46.6	25.2	639	4.29	12.6	0.7	1.8	5.8	29.1	0.39	0.60	0.28	29	0.65	0.096
1300429	Soil			0.95	46.55	44.05	113.8	71	35.9	18.2	588	4.40	10.7	0.6	31.8	4.2	17.5	0.20	0.42	0.26	25	0.54	0.071
1300430	Soil			1.01	57.34	31.54	121.5	119	43.0	27.5	709	4.95	12.3	0.8	0.5	5.8	22.8	0.19	0.45	0.29	30	0.43	0.089
1300431	Soil			0.73	33.45	35.80	401.8	166	30.4	14.5	552	3.50	22.9	0.6	3.2	2.5	48.0	1.01	0.92	0.20	31	2.24	0.087
1300432	Soil			0.69	33.96	25.13	117.4	109	28.8	13.5	354	3.70	11.3	1.5	0.7	2.7	76.0	0.25	0.49	0.21	29	0.99	0.077
1300433	Soil			1.29	56.39	34.30	195.6	193	43.2	19.1	455	3.94	46.6	0.6	0.6	2.2	108.3	0.46	1.34	0.29	20	5.23	0.066
1300434	Soil			0.75	43.51	65.00	286.2	414	32.5	19.4	608	3.63	28.7	1.2	1.9	1.4	86.6	0.43	1.57	0.24	32	1.34	0.093
1300435	Soil			0.76	28.46	24.05	137.4	168	24.6	12.9	663	2.75	13.4	1.1	1.4	1.2	69.1	0.44	0.79	0.16	29	3.30	0.096
1300436	Soil			0.80	31.81	47.61	297.5	318	28.5	14.0	498	3.06	19.4	0.9	0.6	1.4	62.5	0.72	1.40	0.21	35	1.33	0.123
1300437	Soil			0.97	38.89	28.84	112.1	156	33.2	18.5	629	3.77	16.7	1.0	14.3	3.3	36.4	0.29	1.18	0.35	33	0.83	0.068
1300438	Soil			0.97	26.02	19.27	90.8	189	28.8	13.9	669	3.15	13.5	1.0	8.2	2.8	45.8	0.29	0.82	0.37	35	1.99	0.053
1300439	Soil			0.85	33.14	24.07	112.4	200	30.0	15.2	634	3.28	12.7	1.0	8.9	2.0	36.7	0.32	0.84	0.31	35	0.95	0.076
1300440	Soil			0.85	33.79	27.97	125.9	223	28.4	14.1	565	3.07	12.5	1.5	7.2	2.3	75.5	0.47	0.88	0.26	27	3.11	0.134
1300441	Soil			0.92	36.87	39.69	179.5	497	30.3	15.8	662	3.38	24.2	1.3	6.7	1.8	45.4	0.41	3.09	0.25	29	1.37	0.083
1300442	Soil			0.78	25.50	48.33	165.5	194	25.2	15.4	465	3.28	30.8	1.5	2.8	2.5	27.1	0.65	3.99	0.25	27	2.13	0.097
1300443	Soil			0.64	27.52	27.03	101.4	122	24.8	12.8	491	2.99	12.4	0.9	4.0	2.4	38.6	0.26	1.26	0.18	26	3.19	0.080
1300444	Soil			0.51	21.10	21.95	92.0	124	17.7	9.4	528	2.16	10.0	0.7	3.8	1.3	54.8	0.32	0.96	0.13	19	7.02	0.097
1300445	Soil			0.88	26.36	31.17	231.4	161	24.5	11.8	528	2.89	14.9	1.2	5.0	1.9	87.8	0.77	1.38	0.18	29	3.49	0.104
1300446	Soil			0.56	17.24	26.79	76.7	125	13.7	7.8	442	1.75	14.8	0.5	3.3	1.2	56.3	0.24	1.39	0.09	21	8.71	0.067
1300447	Soil			0.76	22.75	22.53	97.6	168	22.4	11.5	775	2.56	12.2	0.8	2.3	1.4	39.9	0.43	1.07	0.16	34	3.52	0.099
1300448	Soil			0.89	29.98	35.40	119.1	144	23.8	12.4	601	2.50	17.6	0.7	3.1	2.7	71.8	0.57	2.93	0.12	25	6.97	0.087



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300419	Soil	7.6	26.1	0.49	77.0	0.005	5	1.73	0.002	0.14	<0.1	3.6	0.16	0.05	23	0.3	0.03	5.5
1300420	Soil	9.8	21.1	0.53	90.7	0.008	5	1.20	0.005	0.11	<0.1	4.2	0.12	0.05	38	0.2	0.04	3.7
1300421	Soil	8.2	28.9	0.55	266.8	0.005	4	2.11	0.003	0.12	<0.1	4.3	0.25	0.04	30	0.2	0.03	6.5
1300422	Soil	9.1	26.6	0.43	160.4	0.005	3	1.57	0.002	0.12	<0.1	5.5	0.22	0.03	39	0.3	0.04	5.1
1300423	Soil	9.4	27.2	0.49	190.9	0.007	3	1.65	0.002	0.10	0.1	5.0	0.16	0.03	32	0.3	0.09	5.1
1300424	Soil	8.9	29.6	0.50	202.6	0.004	5	1.84	0.003	0.16	0.1	6.2	0.21	0.04	81	0.5	<0.02	5.8
1300425	Soil	15.2	29.2	0.53	189.7	0.013	3	1.77	0.005	0.10	0.2	4.3	0.18	0.02	44	0.4	0.03	5.2
1300426	Soil	9.9	25.6	0.42	93.4	0.011	3	1.31	0.002	0.09	0.2	3.2	0.18	0.02	41	0.5	0.03	5.5
1300427	Soil	9.5	21.1	0.48	140.3	0.006	5	1.32	0.005	0.12	<0.1	4.3	0.13	0.06	119	0.7	0.03	3.7
1300428	Soil	11.2	25.3	0.66	117.2	0.011	6	1.28	0.005	0.15	<0.1	7.0	0.20	0.03	87	0.3	0.06	4.0
1300429	Soil	9.5	25.7	0.54	93.1	0.004	4	1.31	0.001	0.12	<0.1	5.6	0.14	0.03	25	0.2	0.09	3.8
1300430	Soil	9.9	27.0	0.55	136.8	0.005	5	1.56	0.003	0.13	<0.1	7.7	0.14	<0.02	65	0.2	0.04	4.6
1300431	Soil	11.0	20.7	0.52	117.6	0.009	4	1.24	0.005	0.10	<0.1	5.0	0.13	0.03	170	0.4	0.04	3.3
1300432	Soil	10.3	24.8	0.43	178.1	0.003	4	1.57	0.003	0.10	<0.1	5.7	0.20	0.04	93	0.4	<0.02	4.6
1300433	Soil	16.9	14.2	0.23	113.8	0.004	5	0.69	0.004	0.11	<0.1	6.3	1.68	0.06	880	0.8	0.03	2.1
1300434	Soil	14.1	22.9	0.31	184.6	0.006	4	1.30	0.004	0.10	0.1	5.4	0.45	0.07	365	0.8	0.07	3.8
1300435	Soil	10.3	19.3	1.12	150.1	0.006	5	1.24	0.005	0.09	<0.1	3.7	0.26	0.07	152	0.5	<0.02	3.3
1300436	Soil	14.0	21.7	0.39	148.1	0.010	4	1.32	0.006	0.10	0.1	4.3	0.29	0.06	210	0.5	0.04	3.8
1300437	Soil	13.4	24.2	0.54	154.7	0.007	6	1.55	0.003	0.10	0.1	5.4	0.20	0.03	120	<0.1	0.09	4.3
1300438	Soil	15.6	24.3	0.90	148.2	0.017	5	1.22	0.008	0.07	0.2	4.2	0.17	0.03	104	0.4	0.07	3.7
1300439	Soil	13.7	26.3	0.50	155.5	0.011	4	1.45	0.004	0.08	0.2	4.6	0.27	0.05	127	0.6	0.06	4.4
1300440	Soil	11.4	19.4	1.06	111.7	0.006	8	1.15	0.005	0.11	<0.1	4.6	0.26	0.05	145	0.2	0.05	3.3
1300441	Soil	10.5	22.2	0.37	166.0	0.005	6	1.28	0.004	0.12	<0.1	5.1	0.55	0.07	232	0.8	0.08	3.5
1300442	Soil	12.0	18.9	0.94	112.4	0.006	5	1.16	0.003	0.11	0.2	4.9	0.47	0.05	255	0.3	0.04	3.1
1300443	Soil	9.3	19.1	1.65	108.9	0.006	5	1.13	0.005	0.11	<0.1	4.5	0.22	0.05	143	0.3	0.05	3.1
1300444	Soil	6.6	14.8	3.61	82.9	0.005	6	0.85	0.008	0.10	<0.1	3.0	0.17	0.05	86	0.4	<0.02	2.4
1300445	Soil	12.1	20.4	1.02	134.6	0.007	5	1.15	0.005	0.10	<0.1	4.2	0.24	0.04	126	0.4	0.05	3.2
1300446	Soil	7.5	11.2	4.63	86.2	0.008	4	0.65	0.010	0.07	<0.1	2.7	0.19	0.03	179	0.3	<0.02	1.7
1300447	Soil	11.1	21.7	1.70	172.5	0.015	6	1.20	0.007	0.08	0.2	3.3	0.17	0.05	171	0.4	0.04	3.4
1300448	Soil	10.4	14.9	3.24	136.5	0.011	5	0.92	0.008	0.10	0.1	3.9	0.20	0.02	214	0.3	0.03	2.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
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CERTIFICATE OF ANALYSIS

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300449	Soil	1.74	36.83	21.82	93.9	173	24.5	13.8	584	3.12	16.9	0.8	2.8	2.0	40.3	0.32	0.86	0.20	38	1.82	0.068
1300450	Soil	0.88	23.43	48.04	90.1	119	20.7	12.3	1591	3.88	32.9	1.0	0.4	2.8	46.2	0.33	5.36	0.11	21	6.85	0.047
1300451	Soil	0.68	19.82	58.35	53.9	148	14.9	10.6	1287	3.25	16.5	0.7	1.2	1.0	54.3	0.20	1.42	0.07	11	10.52	0.049
1300452	Soil	0.96	23.27	47.09	77.7	115	18.6	11.5	1163	3.66	20.4	0.5	1.2	2.5	45.6	0.32	2.70	0.10	12	10.40	0.041
1300453	Soil	0.80	29.40	28.82	111.7	135	25.9	12.3	674	3.07	11.9	0.7	3.4	2.3	36.7	0.53	1.16	0.14	31	3.21	0.085
1300454	Soil	0.82	26.73	54.63	126.7	183	23.9	11.8	702	3.06	19.8	0.8	2.9	2.3	45.1	1.01	2.54	0.14	33	4.06	0.086
1300455	Soil	0.86	19.18	49.04	66.5	165	17.7	11.5	1953	3.76	20.0	1.2	1.5	1.2	40.7	0.51	1.71	0.13	24	6.34	0.084
1300456	Soil	0.97	24.64	27.21	106.1	203	26.0	12.0	661	2.87	16.0	1.2	2.9	1.8	81.7	0.57	1.39	0.15	34	3.37	0.130
1300457	Soil	0.37	17.99	17.33	71.6	8	39.2	21.7	553	4.12	1.8	0.9	7.9	7.1	6.8	0.02	0.69	0.31	35	0.10	0.021
1300458	Soil	0.89	14.40	37.17	193.6	48	21.2	8.4	1000	2.97	9.8	0.9	1.0	1.8	13.9	0.58	0.49	0.21	36	2.01	0.086
1300459	Soil	1.17	14.63	60.24	353.4	92	24.1	7.5	1576	3.59	12.5	1.4	2.3	1.3	14.1	0.61	0.53	0.18	45	1.04	0.115
1300460	Soil	1.80	17.27	108.9	742.5	169	26.7	10.2	4145	4.94	16.2	1.7	2.0	1.3	15.3	0.85	0.71	0.18	48	1.31	0.124
1300461	Soil	2.03	11.43	81.96	250.7	76	12.4	6.0	3944	3.56	13.8	1.0	1.7	0.7	11.8	0.58	0.26	0.07	18	1.84	0.082
1300462	Soil	1.03	15.84	32.87	251.1	138	20.1	7.7	1579	2.49	8.3	1.0	0.9	2.0	45.3	0.69	0.59	0.08	30	7.46	0.104
1300463	Soil	1.09	18.55	53.40	371.6	145	21.2	8.0	1693	3.26	8.9	1.2	4.9	2.6	32.4	0.80	0.55	0.09	33	6.01	0.103
1300464	Soil	1.37	17.82	111.1	1124	170	21.9	8.5	2129	4.54	11.3	1.5	3.0	1.7	23.1	2.04	0.59	0.14	38	2.59	0.131
1300465	Soil	0.98	16.50	49.47	684.6	138	18.1	7.3	1341	2.94	8.4	1.2	4.0	2.3	37.6	1.72	0.50	0.07	28	7.50	0.115
1300466	Soil	1.20	19.93	48.52	196.3	153	20.6	9.5	2644	2.87	10.3	2.6	3.2	0.9	32.7	0.81	0.49	0.15	31	4.94	0.202
1300467	Soil	0.94	11.43	88.13	270.9	215	15.0	5.7	1259	2.20	7.2	1.2	1.5	2.0	39.7	0.71	0.31	0.10	13	9.20	0.092
1300468	Soil	1.60	13.89	399.7	869.8	359	13.5	5.8	3668	5.55	9.9	1.7	1.6	1.2	34.5	1.91	0.49	0.10	13	8.91	0.142



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300449	Soil	13.1	19.9	0.54	195.8	0.011	5	1.22	0.005	0.08	0.2	4.5	0.33	0.05	138	0.4	0.05	3.9
1300450	Soil	12.2	11.4	4.04	116.7	0.005	4	0.79	0.014	0.08	0.2	6.1	0.24	0.03	136	0.4	0.05	1.7
1300451	Soil	5.0	5.1	5.61	51.5	0.002	7	0.28	0.016	0.08	<0.1	3.6	0.39	0.04	82	0.3	<0.02	0.8
1300452	Soil	4.6	7.5	5.76	55.5	0.003	5	0.35	0.010	0.09	<0.1	4.2	0.43	0.25	152	0.2	0.03	1.0
1300453	Soil	12.9	19.8	1.74	126.4	0.015	6	1.11	0.008	0.11	0.1	4.1	0.16	0.04	152	<0.1	<0.02	3.2
1300454	Soil	13.1	19.8	2.16	174.6	0.019	5	1.11	0.010	0.08	0.2	4.5	0.20	0.03	209	0.4	0.05	3.5
1300455	Soil	9.1	12.3	3.42	134.1	0.008	4	0.78	0.012	0.06	<0.1	4.1	0.39	0.06	258	0.2	0.03	1.8
1300456	Soil	14.8	20.2	1.21	142.5	0.017	5	1.15	0.009	0.09	0.1	4.4	0.16	0.05	140	0.4	0.07	3.0
1300457	Soil	3.1	33.0	0.39	456.9	0.015	6	1.29	0.005	0.29	0.2	5.4	0.17	<0.02	<5	<0.1	0.08	4.8
1300458	Soil	9.7	24.9	1.29	167.1	0.012	3	1.60	0.004	0.10	0.2	3.0	0.30	0.03	62	<0.1	0.04	5.1
1300459	Soil	13.9	29.9	0.74	189.6	0.016	3	1.92	0.003	0.07	0.2	3.5	0.51	0.06	56	0.2	0.04	5.4
1300460	Soil	17.7	32.3	0.95	207.9	0.019	2	1.86	0.005	0.07	0.2	3.5	1.04	0.07	97	0.5	<0.02	5.3
1300461	Soil	9.9	14.1	1.01	147.3	0.008	3	0.85	0.002	0.05	<0.1	2.0	0.84	0.04	57	0.2	<0.02	2.0
1300462	Soil	13.1	19.2	4.26	128.3	0.024	5	1.02	0.012	0.07	0.1	3.0	0.21	0.03	37	0.3	0.03	2.7
1300463	Soil	14.4	20.2	3.59	112.2	0.025	3	1.13	0.009	0.06	0.2	3.4	0.40	0.02	42	0.2	0.05	3.1
1300464	Soil	14.8	24.4	1.57	142.1	0.018	3	1.32	0.006	0.06	0.1	3.6	0.74	0.07	56	0.3	0.06	4.0
1300465	Soil	13.5	17.8	4.35	81.6	0.018	2	0.96	0.009	0.06	0.2	3.4	0.28	0.03	50	0.2	0.03	2.4
1300466	Soil	17.7	21.6	2.71	137.0	0.012	6	1.20	0.007	0.08	0.1	2.5	0.56	0.09	49	0.4	0.04	3.4
1300467	Soil	6.3	8.4	5.18	57.1	0.004	6	0.48	0.007	0.13	<0.1	2.0	0.64	0.08	93	0.3	0.04	1.3
1300468	Soil	7.6	9.3	4.92	97.1	0.005	5	0.62	0.007	0.09	<0.1	2.2	2.91	0.04	160	0.5	<0.02	1.5



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QUALITY CONTROL REPORT

WHI12000521.1

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1298735	Soil	1.43	32.20	16.94	74.1	75	25.2	13.3	420	4.15	10.6	0.5	0.8	3.1	8.5	0.10	0.70	0.29	38	0.04	0.038
REP 1298735	QC	1.36	32.30	16.76	74.7	75	25.2	13.3	416	4.15	10.6	0.5	1.3	3.0	8.6	0.09	0.68	0.29	38	0.04	0.038
1298736	Soil	0.91	73.02	28.50	98.5	123	31.2	23.3	512	6.57	6.6	0.5	0.9	2.8	11.5	0.10	0.39	0.30	40	0.02	0.052
REP 1298736	QC	0.86	73.58	28.48	97.6	123	31.9	23.6	517	6.57	6.6	0.5	1.1	2.8	11.0	0.09	0.38	0.30	40	0.02	0.051
1298771	Soil	0.83	11.38	13.78	91.5	52	27.6	9.8	361	2.59	4.7	1.3	3.5	3.0	18.5	0.26	0.51	0.18	33	0.45	0.076
REP 1298771	QC	0.78	11.10	13.55	87.7	51	27.6	9.6	348	2.52	4.3	1.2	3.9	2.9	18.4	0.28	0.50	0.18	33	0.43	0.072
1298772	Soil	0.51	23.68	16.49	98.8	71	27.0	10.3	371	2.61	5.7	1.4	4.0	3.3	22.8	0.35	0.35	0.13	35	0.55	0.051
REP 1298772	QC	0.54	23.41	16.64	98.1	71	27.7	10.4	372	2.64	5.8	1.4	2.1	3.3	22.9	0.36	0.36	0.13	36	0.55	0.051
1303927	Soil	1.06	20.79	66.66	365.0	169	22.3	9.3	2726	3.88	12.3	2.1	2.5	1.3	19.3	0.76	0.68	0.20	37	1.53	0.162
REP 1303927	QC	1.13	21.59	69.17	365.4	187	22.9	9.2	2787	3.91	12.2	2.1	2.4	1.4	20.4	0.83	0.67	0.21	38	1.54	0.163
1303928	Soil	0.73	9.80	38.77	67.4	71	11.0	4.5	701	1.46	7.0	1.4	0.9	2.6	58.7	0.10	0.15	0.08	10	13.19	0.050
REP 1303928	QC	0.68	9.44	38.24	62.0	73	11.2	4.4	677	1.47	6.6	1.4	0.4	2.5	56.0	0.13	0.16	0.08	10	13.20	0.050
1303963	Soil	0.53	38.41	74.28	217.9	242	28.6	22.4	427	3.37	10.7	0.3	1.0	0.9	106.6	0.36	0.97	0.18	13	4.74	0.043
REP 1303963	QC	0.53	36.44	72.24	211.6	244	27.3	21.7	398	3.32	10.5	0.3	1.1	0.8	101.7	0.35	0.94	0.17	13	4.55	0.041
1303964	Soil	0.61	25.52	39.83	97.1	152	23.6	14.7	405	3.01	7.9	0.6	1.2	0.8	100.6	0.24	0.47	0.16	22	2.70	0.069
REP 1303964	QC	0.63	25.89	38.61	97.3	152	24.2	14.8	419	3.05	7.9	0.6	1.7	0.8	99.9	0.24	0.45	0.16	23	2.73	0.069
1303976	Soil	0.55	43.98	43.02	157.4	133	31.1	19.3	582	3.47	15.4	0.8	1.0	3.5	242.8	0.53	1.16	0.10	22	9.75	0.073
REP 1303976	QC	0.63	45.22	44.18	165.1	136	32.5	19.3	581	3.50	15.1	0.9	1.1	3.8	243.0	0.48	1.18	0.11	22	9.61	0.074
1303988	Soil	1.01	22.48	65.28	118.4	158	17.3	11.7	1248	4.61	23.6	0.8	1.0	2.7	24.4	0.45	2.84	0.11	32	2.55	0.092
REP 1303988	QC	1.06	22.83	64.61	126.4	157	17.3	12.1	1240	4.62	24.5	0.8	1.0	2.9	25.3	0.57	2.69	0.10	32	2.54	0.089
1303212	Soil	0.93	38.67	63.73	288.7	178	35.5	21.0	1246	3.26	66.2	1.2	3.7	1.8	224.6	0.83	8.72	0.24	25	9.63	0.129
REP 1303212	QC	0.97	38.90	63.52	283.7	178	34.5	20.5	1244	3.25	65.4	1.1	1.9	1.8	225.6	0.89	8.79	0.23	25	9.59	0.128
1303224	Soil	0.99	36.26	34.78	184.8	214	28.9	15.7	424	3.15	20.8	1.1	1.9	1.3	37.9	0.62	2.55	0.21	30	1.37	0.121
REP 1303224	QC	0.99	36.87	34.60	186.9	209	28.7	15.4	434	3.16	21.3	1.1	1.6	1.3	39.1	0.59	2.46	0.21	31	1.37	0.119
1303248	Soil	0.70	9.32	22.43	107.1	104	13.7	6.0	1541	1.59	6.9	0.8	0.8	0.9	38.5	0.65	0.36	0.08	22	10.59	0.102
REP 1303248	QC	0.68	9.82	22.43	112.1	117	14.3	6.0	1545	1.58	6.5	0.9	1.3	0.8	39.7	0.70	0.31	0.08	23	10.65	0.099
1300388	Soil	1.21	26.62	47.10	180.5	84	28.8	13.2	1426	4.57	14.9	1.4	1.2	2.4	10.3	0.31	0.63	0.28	37	0.35	0.108
REP 1300388	QC	1.01	26.71	46.99	179.8	71	27.9	12.7	1412	4.52	14.5	1.4	1.4	2.3	10.3	0.35	0.64	0.29	37	0.35	0.112

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Client: **Rackla Metals Inc.**
 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 14, 2012

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QUALITY CONTROL REPORT

WHI12000521.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
1298735	Soil	6.7	23.3	0.17	53.6	0.008	2	1.16	0.001	0.07	0.1	4.0	0.14	0.02	51	0.4	0.03	4.1
REP 1298735	QC	6.7	23.8	0.17	52.8	0.009	2	1.16	0.001	0.07	0.1	4.0	0.14	0.02	48	0.3	0.06	4.1
1298736	Soil	2.4	33.6	0.31	52.2	0.003	3	1.86	<0.001	0.11	<0.1	8.8	0.19	0.03	31	0.4	0.04	5.9
REP 1298736	QC	2.4	34.6	0.30	52.3	0.003	3	1.85	<0.001	0.11	<0.1	8.7	0.19	0.03	36	0.3	0.02	6.0
1298771	Soil	25.3	34.5	1.35	323.2	0.011	3	1.79	0.005	0.09	0.1	5.1	0.12	0.04	34	0.3	0.03	5.2
REP 1298771	QC	25.3	33.6	1.32	318.2	0.011	2	1.77	0.005	0.09	0.1	5.1	0.12	0.04	28	0.3	0.03	5.2
1298772	Soil	26.0	43.3	1.97	78.4	0.011	3	1.94	0.004	0.07	<0.1	5.4	0.09	0.04	43	0.4	<0.02	6.3
REP 1298772	QC	25.4	43.1	1.94	77.5	0.011	3	1.94	0.004	0.07	<0.1	5.4	0.08	0.04	42	0.4	0.03	6.4
1303927	Soil	19.1	23.7	0.97	145.1	0.009	3	1.40	0.004	0.07	0.2	2.9	0.69	0.07	64	0.5	0.06	4.1
REP 1303927	QC	20.0	24.2	0.98	146.6	0.009	3	1.44	0.004	0.07	0.1	3.0	0.70	0.07	65	0.2	0.05	4.0
1303928	Soil	5.3	8.6	7.99	28.3	0.002	3	0.24	0.017	0.07	<0.1	2.1	0.31	<0.02	17	0.2	<0.02	0.7
REP 1303928	QC	5.2	8.1	7.97	28.9	0.002	2	0.24	0.017	0.07	<0.1	2.2	0.29	<0.02	28	0.2	<0.02	0.7
1303963	Soil	6.2	10.8	0.20	58.6	0.002	3	0.48	0.002	0.07	<0.1	4.8	0.13	0.06	170	0.5	0.06	1.4
REP 1303963	QC	6.2	10.2	0.19	58.7	0.002	3	0.44	0.002	0.07	<0.1	4.8	0.13	0.06	159	0.4	0.04	1.4
1303964	Soil	8.2	15.8	0.23	95.0	0.004	2	0.94	0.002	0.06	<0.1	4.8	0.12	0.07	149	0.5	0.06	2.6
REP 1303964	QC	8.1	16.2	0.22	96.4	0.004	2	0.94	0.002	0.06	<0.1	5.0	0.11	0.07	165	0.5	0.03	2.5
1303976	Soil	9.8	14.6	0.54	74.7	0.005	4	0.87	0.006	0.10	<0.1	5.1	0.16	0.03	124	0.4	0.03	2.7
REP 1303976	QC	10.4	15.8	0.54	78.6	0.005	5	0.88	0.006	0.11	<0.1	5.6	0.18	0.03	135	0.7	0.03	2.5
1303988	Soil	12.7	14.0	1.33	149.9	0.007	2	0.95	0.006	0.07	0.1	5.4	0.28	0.04	77	0.1	<0.02	2.5
REP 1303988	QC	12.5	14.4	1.31	149.6	0.008	1	0.95	0.005	0.07	<0.1	5.0	0.29	0.04	108	0.3	0.06	2.9
1303212	Soil	10.8	16.4	0.59	142.6	0.005	5	1.17	0.004	0.16	0.2	4.5	0.88	0.05	173	0.6	0.04	2.9
REP 1303212	QC	10.7	16.9	0.59	138.7	0.005	4	1.17	0.004	0.15	0.2	4.4	0.86	0.05	178	0.5	0.06	3.0
1303224	Soil	11.7	20.1	0.42	259.3	0.007	3	1.10	0.004	0.08	0.2	4.3	0.49	0.08	282	0.6	0.04	3.2
REP 1303224	QC	11.9	21.4	0.42	259.4	0.007	3	1.10	0.004	0.08	0.1	4.4	0.50	0.08	271	0.7	0.04	3.4
1303248	Soil	12.2	13.7	6.55	85.0	0.010	4	0.80	0.008	0.05	<0.1	2.0	0.12	0.04	33	0.2	0.03	1.7
REP 1303248	QC	12.5	15.4	6.60	84.7	0.011	4	0.80	0.008	0.06	0.1	2.1	0.13	0.04	41	0.3	0.04	1.8
1300388	Soil	11.6	28.7	0.44	191.8	0.010	2	1.52	0.003	0.12	0.2	4.6	0.31	0.05	41	0.1	<0.02	5.2
REP 1300388	QC	11.6	29.3	0.44	193.4	0.010	3	1.50	0.003	0.12	0.2	4.4	0.31	0.06	23	0.1	0.03	5.0

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Project: CAR
Report Date: August 14, 2012

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI12000521.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300412	Soil	0.90	26.64	14.41	76.6	61	24.8	8.7	414	2.89	6.7	0.5	3.9	2.5	5.7	0.10	0.43	0.24	34	0.07	0.063
REP 1300412	QC	0.88	26.45	14.48	75.7	55	23.9	8.8	405	2.88	6.3	0.5	7.5	2.6	5.5	0.10	0.43	0.25	33	0.06	0.057
1300423	Soil	1.20	35.74	34.07	84.4	50	32.4	19.0	635	4.11	11.5	0.9	0.5	3.2	15.4	0.06	0.54	0.35	38	0.16	0.072
REP 1300423	QC	1.18	35.28	32.72	83.5	51	32.1	18.3	636	4.15	11.3	0.9	3.5	3.2	16.0	0.08	0.53	0.38	40	0.18	0.071
1300448	Soil	0.89	29.98	35.40	119.1	144	23.8	12.4	601	2.50	17.6	0.7	3.1	2.7	71.8	0.57	2.93	0.12	25	6.97	0.087
REP 1300448	QC	0.85	29.45	35.93	117.0	146	23.3	12.3	606	2.53	16.9	0.7	5.0	2.6	71.5	0.57	2.94	0.12	25	6.87	0.084
1300460	Soil	1.80	17.27	108.9	742.5	169	26.7	10.2	4145	4.94	16.2	1.7	2.0	1.3	15.3	0.85	0.71	0.18	48	1.31	0.124
REP 1300460	QC	1.88	17.55	109.9	751.3	192	28.3	10.2	4119	4.92	16.2	1.7	0.9	1.4	15.0	0.85	0.69	0.17	48	1.31	0.125
Reference Materials																					
STD DS9	Standard	13.13	106.6	124.1	309.4	1877	39.3	7.4	573	2.19	24.4	2.8	122.6	6.4	65.0	2.33	6.07	5.90	37	0.70	0.082
STD DS9	Standard	13.09	100.8	125.9	305.8	1937	39.5	7.7	575	2.19	24.8	2.5	114.8	5.9	72.1	2.30	5.33	6.31	38	0.69	0.081
STD DS9	Standard	14.03	107.1	129.3	314.5	1958	41.7	7.9	615	2.40	26.3	2.7	132.2	6.4	78.3	2.33	5.77	6.39	42	0.76	0.085
STD DS9	Standard	13.63	97.29	128.2	311.5	2001	41.2	8.1	594	2.27	22.8	2.3	124.6	5.5	72.5	2.08	5.06	5.19	38	0.71	0.078
STD DS9	Standard	13.10	106.1	119.9	304.5	1847	40.2	7.8	580	2.21	24.4	2.5	129.7	5.9	62.4	2.40	5.33	5.88	39	0.69	0.078
STD DS9	Standard	13.74	109.9	131.5	313.1	1943	40.9	7.6	577	2.30	25.5	2.8	124.7	6.3	68.7	2.40	5.62	5.27	40	0.72	0.082
STD DS9	Standard	12.35	98.16	117.7	299.7	1925	40.1	7.6	553	2.23	25.3	2.3	126.1	5.4	60.6	2.33	5.33	5.65	38	0.68	0.081
STD DS9	Standard	12.33	104.6	127.4	305.4	1887	41.9	8.0	579	2.27	25.4	2.5	125.3	5.6	59.5	2.17	5.39	6.33	37	0.69	0.080
STD DS9	Standard	13.12	112.6	119.6	314.8	1882	41.0	7.7	579	2.24	25.3	2.5	120.7	5.7	63.5	2.32	5.31	5.78	37	0.71	0.084
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	4	0.2	<0.1	1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	0.04	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: CAR
 Report Date: August 14, 2012

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI12000521.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300412	Soil	17.4	30.6	0.59	76.4	0.010	3	1.60	0.002	0.11	0.1	2.1	0.15	0.03	30	0.2	0.03	6.8
REP 1300412	QC	16.9	29.0	0.58	76.9	0.010	3	1.57	0.002	0.11	0.1	2.2	0.13	0.03	29	0.3	0.03	6.6
1300423	Soil	9.4	27.2	0.49	190.9	0.007	3	1.65	0.002	0.10	0.1	5.0	0.16	0.03	32	0.3	0.09	5.1
REP 1300423	QC	9.9	28.0	0.49	195.2	0.007	3	1.75	0.002	0.11	0.1	4.8	0.23	0.03	40	0.3	0.11	5.3
1300448	Soil	10.4	14.9	3.24	136.5	0.011	5	0.92	0.008	0.10	0.1	3.9	0.20	0.02	214	0.3	0.03	2.5
REP 1300448	QC	10.3	15.4	3.17	142.1	0.010	4	0.93	0.008	0.10	0.1	3.7	0.20	0.02	223	0.4	0.03	2.6
1300460	Soil	17.7	32.3	0.95	207.9	0.019	2	1.86	0.005	0.07	0.2	3.5	1.04	0.07	97	0.5	<0.02	5.3
REP 1300460	QC	17.5	31.3	0.95	210.0	0.018	2	1.85	0.005	0.06	0.2	3.6	1.04	0.07	84	0.4	0.05	5.3
Reference Materials																		
STD DS9	Standard	13.8	111.6	0.58	295.1	0.110	4	0.94	0.101	0.40	2.8	2.6	5.42	0.16	196	4.6	4.95	4.5
STD DS9	Standard	12.5	114.3	0.59	306.8	0.103	3	0.95	0.088	0.39	3.0	2.3	5.67	0.16	211	5.2	5.02	4.6
STD DS9	Standard	14.5	125.9	0.66	330.6	0.113	3	1.06	0.089	0.44	3.2	2.7	6.05	0.16	235	5.6	5.46	5.0
STD DS9	Standard	11.6	129.4	0.59	307.6	0.106	3	0.94	0.093	0.40	3.1	2.6	5.82	0.16	248	5.8	5.44	4.9
STD DS9	Standard	12.1	116.8	0.59	291.5	0.103	3	0.92	0.085	0.38	3.1	2.3	5.75	0.16	229	5.3	5.37	4.6
STD DS9	Standard	13.8	114.4	0.61	309.6	0.107	3	0.93	0.087	0.39	3.4	2.3	5.93	0.17	192	5.3	5.30	4.8
STD DS9	Standard	12.9	114.1	0.61	290.8	0.099	3	0.88	0.083	0.38	3.1	2.3	5.67	0.16	248	5.1	5.43	4.6
STD DS9	Standard	10.9	117.1	0.59	284.0	0.099	2	0.96	0.097	0.41	3.0	2.4	5.83	0.17	219	5.5	4.96	4.4
STD DS9	Standard	11.8	117.4	0.60	293.3	0.103	3	0.96	0.100	0.41	3.1	2.5	5.70	0.16	217	5.5	5.53	4.6
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	0.04	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 02, 2012
Report Date: August 21, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI12000522.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-11
P.O. Number: NA-12359
Number of Samples: 320

SAMPLE DISPOSAL

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

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

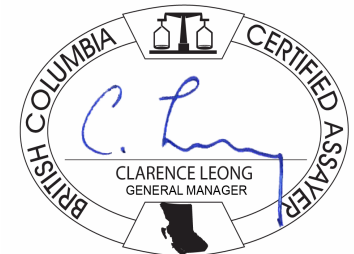
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	314	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	320	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	314	Saving all or part of Soil Reject			WHI
7TD	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000522.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
613887	Soil	0.58	22.86	81.32	452.4	372	25.9	13.8	744	3.47	8.3	0.8	2.8	5.4	22.8	1.87	0.70	0.45	10	0.89	0.048
613888	Soil	0.94	11.65	46.92	491.2	111	19.0	7.2	2021	2.52	7.8	1.0	1.9	1.1	23.6	1.45	0.43	0.16	28	5.05	0.108
613889	Soil	0.79	4.38	779.6	>10000	89	2.3	1.9	4486	14.86	4.1	2.5	<0.2	0.8	29.4	27.44	0.11	0.02	<2	9.28	0.100
613890	Soil	2.04	1.98	263.3	1422	29	0.7	0.9	2282	7.74	6.6	1.5	<0.2	0.4	29.9	2.34	0.10	<0.02	<2	13.28	0.057
613891	Soil	1.84	18.42	15.12	141.2	167	32.1	10.6	578	2.49	20.0	1.7	2.2	0.9	67.4	0.98	0.90	0.28	59	3.23	0.144
613892	Soil	2.25	20.15	13.92	112.7	149	34.7	10.1	418	2.16	33.2	1.6	1.7	1.5	339.9	0.82	0.99	0.21	59	9.50	0.139
613893	Soil	1.34	16.12	8.63	79.6	105	24.8	7.8	314	1.63	27.4	1.3	1.1	0.9	167.2	0.50	0.64	0.14	40	12.83	0.090
613894	Soil	0.91	8.57	5.85	41.0	47	15.5	5.0	187	1.19	75.9	0.9	0.2	0.9	147.6	0.25	0.46	0.10	28	17.43	0.041
613895	Soil	2.13	12.74	6.21	45.2	52	27.8	6.2	100	1.04	99.4	2.7	<0.2	1.3	125.5	0.23	0.47	0.08	20	19.83	0.038
613896	Soil	1.76	9.93	7.69	34.4	51	16.5	5.3	148	1.26	236.3	1.0	0.2	1.1	107.9	0.24	0.40	0.10	18	16.41	0.032
613897	Soil	0.71	7.49	4.78	20.0	34	10.5	3.7	127	0.82	26.1	0.9	<0.2	1.1	98.6	0.12	0.21	0.05	12	18.20	0.020
613898	Soil	0.91	9.30	6.83	38.6	51	15.3	4.7	136	1.14	48.2	1.0	<0.2	1.0	88.5	0.22	0.38	0.08	21	16.18	0.042
613899	Soil	0.70	9.31	7.91	44.8	78	14.6	5.6	288	1.35	10.9	0.6	1.0	0.8	56.4	0.28	0.37	0.10	24	11.06	0.042
613900	Soil	0.43	2.58	1.76	11.7	21	5.8	1.8	91	0.34	5.3	0.7	<0.2	0.4	59.3	0.16	0.14	<0.02	6	20.39	0.015
1346051	Soil	1.05	11.16	9.68	54.5	101	19.8	7.1	258	1.79	13.9	0.6	0.3	2.6	65.8	0.25	0.48	0.11	25	9.43	0.055
1346052	Soil	1.19	18.49	4.06	122.4	48	32.3	19.9	1102	4.45	22.9	0.6	0.7	2.6	40.1	0.19	0.38	0.04	72	10.59	0.090
1346053	Soil	1.16	20.07	11.98	83.7	61	23.0	17.4	655	4.38	15.3	0.5	1.5	3.1	19.1	0.14	0.57	0.11	81	0.47	0.094
1346054	Soil	0.37	55.13	5.95	75.7	78	28.5	20.3	568	4.22	4.3	0.3	1.4	1.2	26.0	0.17	0.21	0.05	113	1.49	0.088
1346055	Soil	1.01	26.50	11.52	79.1	105	25.6	12.9	385	2.74	6.6	0.5	1.5	1.9	102.2	0.40	0.50	0.17	49	6.79	0.075
1346056	Soil	0.84	16.25	11.31	58.0	96	17.9	6.6	180	1.77	6.9	0.4	0.9	1.2	52.4	0.24	0.44	0.12	27	10.06	0.051
1346057	Soil	0.68	28.94	17.52	96.8	317	35.4	13.2	311	3.29	6.4	1.1	1.6	3.6	26.4	0.23	0.49	0.23	32	0.64	0.086
1346058	Soil	0.41	17.61	19.33	76.4	79	31.3	13.2	208	3.34	3.8	0.5	<0.2	2.8	10.9	0.08	0.28	0.24	23	0.34	0.049
1346059	Soil	0.54	23.87	23.61	106.8	197	35.0	11.7	195	3.19	6.4	0.4	1.8	3.4	19.2	0.15	0.38	0.25	21	0.37	0.051
1346060	Soil	0.80	11.11	14.20	48.0	68	23.2	9.6	259	1.93	23.1	0.5	0.4	2.0	65.4	0.11	0.66	0.19	20	8.60	0.028
1346061	Soil	1.08	13.41	9.86	49.2	75	18.4	6.7	255	1.57	11.1	0.5	0.5	1.0	59.9	0.30	0.47	0.13	20	10.78	0.036
1346062	Soil	2.05	18.48	19.50	48.4	97	27.9	9.5	182	2.20	14.6	0.6	0.3	1.4	61.8	0.35	0.57	0.21	17	10.32	0.026
1346063	Soil	1.12	21.34	17.98	35.9	95	25.0	9.7	152	2.50	17.1	1.0	1.2	2.0	73.7	0.29	0.50	0.23	12	11.09	0.017
1346064	Soil	1.33	9.68	9.21	45.6	48	22.5	8.2	317	1.58	13.8	0.4	<0.2	1.5	89.1	0.25	0.42	0.12	15	12.72	0.035
1346065	Soil	0.87	9.55	6.99	47.0	72	15.2	5.5	228	1.39	8.3	0.6	2.1	1.8	59.7	0.32	0.77	0.08	27	10.06	0.043
1346066	Soil	1.18	12.59	12.77	66.0	141	21.3	8.1	365	2.06	11.6	0.6	1.4	1.1	48.2	0.44	0.78	0.16	32	7.30	0.047



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
613887	Soil	4.0	8.6	0.45	71.7	0.001	4	0.43	0.004	0.16	<0.1	3.6	0.23	0.18	144	0.4	0.05	1.5	
613888	Soil	10.9	18.5	3.07	109.6	0.010	3	1.07	0.008	0.05	0.2	2.0	0.20	<0.02	31	0.3	<0.02	2.6	
613889	Soil	4.6	2.4	5.39	18.4	<0.001	1	0.07	0.006	0.02	<0.1	1.0	15.70	0.13	370	0.8	<0.02	0.4	1.47
613890	Soil	2.4	1.8	7.68	22.8	<0.001	2	0.05	0.007	<0.01	<0.1	0.6	8.19	<0.02	217	0.4	<0.02	0.2	
613891	Soil	14.2	26.0	0.46	189.2	0.012	4	1.43	0.007	0.06	0.2	2.1	0.29	0.08	61	0.5	0.05	4.1	
613892	Soil	16.2	21.7	0.83	155.3	0.014	9	1.15	0.007	0.11	0.1	2.8	0.54	0.05	51	0.4	0.06	3.5	
613893	Soil	10.5	16.3	2.11	119.5	0.011	8	0.85	0.009	0.09	0.1	2.0	0.35	0.04	39	0.5	0.03	2.3	
613894	Soil	6.9	13.0	4.88	72.3	0.005	6	0.48	0.008	0.10	<0.1	1.8	0.33	<0.02	26	0.2	<0.02	1.5	
613895	Soil	5.1	9.9	5.71	48.1	0.003	5	0.39	0.009	0.08	<0.1	1.6	0.80	<0.02	44	0.5	0.02	1.1	
613896	Soil	6.0	11.4	7.31	48.1	0.005	4	0.43	0.009	0.06	<0.1	1.9	0.56	<0.02	19	0.4	<0.02	1.3	
613897	Soil	4.3	7.2	6.92	46.6	0.005	4	0.29	0.010	0.06	<0.1	1.4	0.19	<0.02	24	0.3	0.02	0.8	
613898	Soil	6.3	10.3	7.13	60.8	0.005	4	0.60	0.009	0.08	<0.1	1.8	0.32	0.02	20	0.4	<0.02	1.4	
613899	Soil	8.5	14.2	5.78	85.8	0.010	3	0.79	0.007	0.06	<0.1	1.8	0.14	0.03	28	0.4	<0.02	1.9	
613900	Soil	2.7	3.7	10.21	23.5	0.006	1	0.14	0.007	0.02	<0.1	0.6	0.10	<0.02	6	0.3	<0.02	0.4	
1346051	Soil	10.0	14.8	4.04	83.1	0.017	3	0.74	0.011	0.06	0.1	2.5	0.16	<0.02	36	0.3	<0.02	1.9	
1346052	Soil	41.2	24.5	2.29	74.5	0.003	3	0.46	0.004	0.05	<0.1	10.5	0.81	0.04	35	0.4	<0.02	2.3	
1346053	Soil	24.3	23.5	0.69	98.0	0.021	4	1.66	0.006	0.09	0.1	9.2	0.14	0.03	50	0.2	<0.02	6.8	
1346054	Soil	22.3	33.6	1.94	147.9	0.009	8	2.60	0.003	0.14	<0.1	14.6	0.09	0.05	40	0.3	0.03	8.5	
1346055	Soil	12.0	16.4	3.34	168.8	0.054	8	1.21	0.010	0.13	<0.1	5.1	0.13	0.05	40	0.7	0.04	3.6	
1346056	Soil	8.1	12.9	5.23	132.0	0.016	4	0.77	0.007	0.08	<0.1	3.3	0.18	0.02	20	0.4	0.06	2.2	
1346057	Soil	11.4	22.8	0.52	165.7	0.009	4	1.57	0.004	0.16	<0.1	6.4	0.12	0.03	62	0.6	0.09	4.5	
1346058	Soil	6.3	20.3	0.46	127.6	0.005	5	1.62	0.002	0.19	<0.1	4.1	0.13	0.02	22	0.5	0.17	5.3	
1346059	Soil	9.0	21.0	0.42	136.4	0.005	4	1.38	0.003	0.15	<0.1	5.1	0.11	0.04	52	0.5	0.39	4.5	
1346060	Soil	5.5	14.4	4.54	150.3	0.006	4	0.48	0.007	0.09	<0.1	2.2	0.46	0.03	36	0.4	0.09	1.6	
1346061	Soil	7.9	12.2	5.30	160.5	0.005	5	0.61	0.007	0.08	<0.1	2.0	0.20	0.03	18	0.2	0.03	1.4	
1346062	Soil	8.7	12.5	4.87	129.6	0.003	4	0.43	0.008	0.10	<0.1	2.7	0.30	0.04	46	0.3	0.06	1.2	
1346063	Soil	9.7	9.5	5.14	316.2	0.003	3	0.31	0.008	0.10	<0.1	2.9	0.32	0.04	33	0.3	0.03	0.9	
1346064	Soil	8.4	12.1	5.64	128.9	0.005	7	0.60	0.009	0.14	<0.1	2.4	0.23	0.03	18	0.4	<0.02	1.5	
1346065	Soil	7.7	12.3	4.87	87.5	0.018	2	0.65	0.010	0.05	0.1	2.0	0.10	<0.02	26	0.3	<0.02	1.7	
1346066	Soil	10.3	19.2	3.70	155.7	0.012	3	0.98	0.007	0.07	0.1	2.5	0.15	0.04	52	0.3	0.02	2.7	

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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346067	Soil	1.09	19.03	11.06	69.2	163	26.9	9.2	368	2.18	12.2	0.6	7.8	3.7	40.8	0.33	0.91	0.13	37	4.86	0.069
1346068	Soil	0.92	9.42	9.45	46.6	68	15.2	6.4	309	1.44	10.8	0.6	0.3	1.2	74.0	0.43	0.81	0.09	21	12.60	0.049
1346069	Soil	0.96	23.60	11.70	77.3	132	22.7	9.9	344	2.41	12.3	0.5	0.6	1.1	44.0	0.30	0.49	0.11	40	6.92	0.072
1346070	Rock Pulp	0.04	3.08	0.21	4.6	25	0.7	0.8	21	0.27	0.4	<0.1	<0.2	<0.1	11.1	<0.01	<0.02	<0.02	9	0.14	0.029
1346071	Soil	0.76	38.85	9.34	73.9	39	30.2	24.1	862	5.67	8.1	0.4	<0.2	2.3	13.3	0.05	0.35	0.07	138	0.38	0.077
1346072	Soil	0.72	23.21	5.83	40.3	92	37.0	8.7	360	1.85	7.7	0.9	2.7	3.7	57.4	0.24	0.58	0.08	39	2.44	0.074
1346073	Soil	1.33	25.42	25.52	83.3	124	27.4	11.6	458	2.64	17.3	1.3	2.8	5.3	67.7	0.32	0.66	0.20	28	5.12	0.064
1346074	Soil	1.05	16.53	14.59	78.3	78	19.9	7.9	263	2.06	15.0	1.0	1.1	3.2	76.6	0.23	0.45	0.15	25	9.28	0.061
1346075	Soil	1.39	17.78	16.73	61.7	81	23.0	9.7	468	2.11	18.6	1.2	1.9	3.0	88.0	0.24	0.56	0.16	34	8.51	0.064
1346076	Soil	0.73	6.76	5.92	25.9	39	9.9	4.0	151	0.99	7.6	1.0	<0.2	1.5	100.5	0.08	0.22	0.07	21	15.51	0.036
1346077	Soil	1.51	22.84	20.03	97.8	146	26.3	11.4	608	2.61	18.2	1.3	3.9	1.2	87.4	0.53	0.72	0.22	43	3.90	0.087
1346078	Soil	1.09	14.00	10.83	53.3	76	16.6	7.6	342	1.72	12.0	1.1	2.0	1.7	110.1	0.30	0.50	0.12	31	10.80	0.062
1346079	Soil	1.58	19.27	17.32	84.7	132	25.3	10.8	504	2.22	17.9	1.2	2.8	1.3	152.3	0.52	0.73	0.19	44	5.94	0.082
1346080	Soil	1.00	11.36	9.61	43.6	71	14.5	5.7	297	1.45	12.7	1.3	1.2	1.1	140.2	0.27	0.40	0.10	30	14.39	0.059
1346081	Soil	2.29	16.58	13.37	80.5	119	21.6	7.2	313	2.07	20.2	1.3	0.6	1.6	193.0	0.44	0.68	0.14	47	7.92	0.103
1346082	Soil	2.12	14.82	12.47	73.8	93	21.2	8.3	420	1.99	17.2	1.5	2.4	1.4	129.1	0.56	0.69	0.13	43	11.51	0.106
1346083	Soil	1.26	4.66	3.47	17.6	20	7.7	2.7	74	0.74	15.6	1.8	<0.2	1.1	179.8	0.04	0.27	<0.02	26	21.54	0.050
1346084	Soil	1.96	14.14	10.09	68.8	92	19.2	7.2	307	1.66	17.2	1.3	1.0	1.0	175.4	0.34	0.67	0.13	44	10.69	0.085
1346085	Soil	1.76	9.53	5.87	36.2	50	16.3	5.7	152	1.11	11.0	1.5	0.3	2.4	156.3	0.16	0.43	0.06	24	16.01	0.053
1346086	Soil	1.91	19.38	13.81	71.4	121	22.9	8.4	344	2.07	14.8	1.4	1.1	1.8	128.9	0.39	0.68	0.16	37	8.49	0.077
1346087	Soil	3.28	22.61	19.24	112.0	168	39.8	11.3	457	3.00	33.4	2.8	1.4	2.9	179.2	0.49	1.03	0.22	76	6.10	0.185
1346088	Soil	2.12	17.80	12.89	69.7	94	26.4	9.4	374	2.31	22.6	1.8	1.2	2.1	112.7	0.47	0.73	0.16	52	7.94	0.119
1346089	Soil	1.69	19.71	17.59	95.8	131	25.1	9.4	449	2.46	21.7	1.4	0.6	1.4	87.4	0.54	0.78	0.18	45	5.75	0.105
1346090	Soil	1.46	20.33	17.29	81.2	127	22.6	9.7	475	2.37	18.3	1.4	1.8	1.5	73.3	0.44	0.68	0.18	38	6.93	0.076
1346091	Soil	1.22	21.30	20.22	77.5	96	22.1	10.4	492	2.39	15.4	1.3	1.8	2.7	71.1	0.34	0.63	0.16	31	7.71	0.069
1346092	Soil	1.33	34.81	27.87	115.9	134	32.7	13.5	723	3.08	17.3	2.6	2.6	3.7	49.2	0.41	0.75	0.24	34	1.56	0.089
1346093	Soil	0.79	20.60	17.93	64.1	124	27.2	10.3	395	2.49	8.7	2.1	2.4	4.9	57.0	0.11	0.47	0.20	28	3.62	0.061
1346094	Soil	4.66	9.45	16.04	74.4	114	22.9	3.2	109	1.56	19.0	2.6	0.9	4.1	259.3	0.63	1.38	0.17	64	13.96	0.114
1346095	Soil	3.66	12.48	8.89	77.4	97	22.5	7.6	306	1.94	24.8	1.8	1.0	1.1	295.3	0.40	0.78	0.10	67	12.74	0.108
1346096	Soil	2.59	15.53	11.21	70.7	80	22.2	5.4	198	1.61	29.8	1.6	0.7	1.5	345.0	0.26	0.74	0.15	58	10.76	0.118

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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.01	
1346067	Soil	13.1	20.6	2.66	170.1	0.032	2	0.96	0.012	0.07	0.2	3.4	0.13	<0.02	56	0.2	0.03	2.9	
1346068	Soil	8.4	13.3	6.29	94.7	0.008	2	0.64	0.008	0.06	<0.1	2.2	0.13	0.02	30	0.3	0.02	1.5	
1346069	Soil	11.9	17.8	3.62	151.1	0.012	4	1.08	0.007	0.12	0.1	4.1	0.22	0.04	38	0.4	0.07	3.0	
1346070	Rock Pulp	1.1	0.8	0.03	14.8	0.014	<1	0.15	0.064	0.04	<0.1	0.2	<0.02	<0.02	8	<0.1	<0.02	0.6	
1346071	Soil	21.0	36.1	1.64	192.8	0.007	5	2.97	<0.001	0.14	<0.1	12.1	0.11	0.02	17	0.3	0.02	9.5	
1346072	Soil	10.3	36.8	0.82	154.3	0.067	1	0.95	0.028	0.09	0.2	3.3	0.07	0.04	29	0.3	0.03	3.5	
1346073	Soil	19.3	22.4	2.35	125.2	0.012	5	1.21	0.008	0.12	0.1	4.8	0.26	0.02	31	<0.1	0.03	2.9	
1346074	Soil	12.8	17.9	4.42	83.1	0.013	4	0.98	0.010	0.10	<0.1	3.3	0.18	<0.02	36	<0.1	0.03	2.4	
1346075	Soil	12.9	19.8	3.84	92.0	0.013	5	1.05	0.009	0.11	<0.1	3.2	0.54	<0.02	30	0.2	0.03	2.5	
1346076	Soil	7.3	10.4	5.67	45.2	0.012	4	0.40	0.010	0.06	<0.1	1.6	0.18	<0.02	13	<0.1	<0.02	1.1	
1346077	Soil	16.4	27.1	1.59	136.6	0.010	6	1.36	0.007	0.12	0.1	3.1	0.33	0.06	53	0.3	0.04	3.8	
1346078	Soil	11.5	16.5	3.72	79.7	0.014	5	0.91	0.010	0.09	0.1	2.7	0.23	0.03	28	0.2	<0.02	2.1	
1346079	Soil	17.3	26.1	2.31	123.7	0.011	7	1.34	0.009	0.12	<0.1	3.1	0.31	0.05	43	0.2	0.04	3.3	
1346080	Soil	10.4	14.9	3.95	73.6	0.009	4	0.88	0.010	0.07	0.1	2.2	0.15	0.02	33	0.1	0.02	1.8	
1346081	Soil	15.0	21.6	3.35	89.3	0.012	7	1.15	0.010	0.10	0.1	2.8	0.19	0.04	55	0.2	0.03	2.6	
1346082	Soil	12.4	17.5	3.09	86.6	0.015	7	0.94	0.011	0.11	0.1	2.9	0.24	0.06	43	0.2	0.03	2.3	
1346083	Soil	5.8	7.2	5.50	32.2	0.006	4	0.25	0.012	0.05	<0.1	1.0	0.14	<0.02	30	0.1	<0.02	0.8	
1346084	Soil	12.7	17.6	2.76	85.6	0.009	7	1.00	0.009	0.11	<0.1	2.1	0.33	0.05	36	0.2	0.05	2.3	
1346085	Soil	9.2	11.5	3.29	56.3	0.017	6	0.60	0.011	0.09	<0.1	2.0	0.34	<0.02	17	0.1	<0.02	1.4	
1346086	Soil	14.7	21.3	2.77	100.2	0.011	7	1.14	0.009	0.12	<0.1	3.2	0.42	0.04	50	0.3	0.03	2.8	
1346087	Soil	20.0	27.4	2.26	154.6	0.017	10	1.51	0.009	0.15	0.1	4.1	0.42	0.03	61	0.3	0.04	4.0	
1346088	Soil	13.1	19.6	2.48	106.6	0.015	4	1.08	0.009	0.09	0.1	3.0	0.22	0.02	50	<0.1	<0.02	2.8	
1346089	Soil	15.3	22.7	2.12	120.5	0.013	6	1.21	0.009	0.10	0.2	3.4	0.23	0.04	57	0.3	0.04	3.3	
1346090	Soil	13.5	21.8	3.12	133.6	0.012	4	1.16	0.008	0.10	0.1	3.2	0.24	0.03	53	0.2	<0.02	2.9	
1346091	Soil	13.0	19.6	3.63	97.9	0.010	4	1.14	0.008	0.11	<0.1	3.9	0.22	0.02	40	0.2	<0.02	2.9	
1346092	Soil	19.0	28.6	1.24	241.2	0.011	6	1.34	0.006	0.16	<0.1	5.3	0.31	0.03	71	0.4	<0.02	4.0	
1346093	Soil	27.2	34.6	2.29	143.1	0.013	4	1.43	0.006	0.12	<0.1	7.6	0.14	0.02	60	0.1	<0.02	4.5	
1346094	Soil	20.6	11.9	3.19	96.6	0.007	6	0.78	0.004	0.06	<0.1	3.2	0.35	<0.02	46	0.3	0.06	2.4	
1346095	Soil	12.9	15.3	5.04	82.6	0.006	10	0.87	0.012	0.12	<0.1	1.8	0.40	0.05	60	0.2	0.04	2.1	
1346096	Soil	16.2	17.4	4.86	100.2	0.005	12	1.06	0.009	0.15	<0.1	2.1	0.47	0.05	48	0.3	<0.02	2.5	

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Project: CAR
 Report Date: August 21, 2012

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CERTIFICATE OF ANALYSIS

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346097	Soil	1.85	15.12	10.43	57.1	88	17.4	7.5	381	1.83	15.9	1.4	1.3	0.6	86.0	0.44	0.60	0.13	36	9.81	0.065
1346098	Soil	1.89	19.25	17.48	63.0	95	21.6	9.9	442	2.29	20.5	1.4	0.6	2.3	94.7	0.37	0.70	0.17	33	10.02	0.071
1346099	Soil	1.72	27.65	20.35	91.6	108	27.9	13.1	572	2.72	22.3	1.2	1.0	3.2	70.6	0.60	0.79	0.22	39	4.49	0.086
1346100	Soil	1.80	21.06	21.54	88.3	156	27.5	11.8	520	2.73	23.1	1.4	3.5	2.8	95.6	0.54	0.80	0.21	43	6.19	0.092
1298590	Soil	1.16	29.91	28.00	98.5	160	23.2	10.5	519	2.90	18.6	1.3	1.9	4.0	89.5	0.37	0.75	0.22	27	5.54	0.079
1298591	Soil	1.36	21.99	25.49	87.1	131	19.5	9.3	585	2.62	18.0	1.2	0.3	2.9	90.1	0.37	1.04	0.17	27	8.65	0.062
1298592	Soil	1.06	24.68	19.38	82.2	91	21.3	9.8	453	2.32	13.3	1.2	2.2	3.6	107.6	0.32	0.58	0.14	26	7.16	0.069
1298593	Soil	1.37	24.61	28.44	129.5	89	31.8	12.3	562	3.30	15.7	1.4	2.2	4.4	27.6	0.40	0.78	0.27	36	0.52	0.047
1298594	Soil	1.31	25.62	24.50	118.4	154	31.7	12.6	639	3.09	16.2	1.2	2.0	4.7	31.7	0.34	0.89	0.22	34	0.53	0.076
1298595	Soil	0.69	24.93	6.18	39.5	103	34.3	8.5	360	1.91	8.2	1.0	3.3	3.8	62.1	0.24	0.63	0.11	40	2.48	0.076
1346904	Soil	2.46	14.73	11.91	59.9	135	19.6	7.4	319	1.90	12.0	1.2	0.9	0.9	82.3	0.37	0.72	0.14	30	11.18	0.052
1346905	Soil	2.72	10.09	8.89	40.7	66	11.2	6.4	317	1.64	12.1	0.8	1.2	0.8	77.2	0.29	0.40	0.13	18	13.33	0.033
1346906	Soil	1.08	9.31	8.96	51.7	76	14.9	6.2	295	1.75	7.8	0.3	2.1	0.7	45.7	0.25	0.35	0.13	20	9.56	0.037
1346907	Soil	1.85	11.68	9.89	58.2	106	19.1	7.2	358	1.97	9.2	0.4	1.3	0.6	34.7	0.30	0.47	0.13	24	7.10	0.046
1346908	Soil	0.99	6.13	4.34	23.9	47	8.7	3.8	189	1.01	4.8	0.4	0.7	0.7	60.8	0.14	0.25	0.05	16	13.23	0.026
1346909	Soil	1.09	8.48	4.71	32.5	71	11.3	4.1	203	1.15	5.4	0.4	2.2	0.6	63.4	0.19	0.33	0.06	20	12.03	0.035
1346910	Soil	1.76	45.62	14.87	54.3	95	36.8	21.3	576	3.56	9.8	0.4	1.0	1.3	81.8	0.14	0.39	0.20	36	4.60	0.076
1346911	Soil	1.59	29.87	7.34	51.2	99	33.9	21.5	1484	4.52	10.1	1.1	1.2	1.8	177.2	0.37	0.37	0.11	89	1.58	0.071
1346912	Soil	1.11	8.65	6.66	35.0	45	13.9	4.8	207	1.13	10.5	0.6	0.7	0.6	77.8	0.16	0.26	0.09	13	13.61	0.029
1346913	Soil	0.86	6.95	5.20	16.3	26	11.8	4.0	126	0.84	8.1	0.7	0.3	0.8	103.7	0.10	0.19	0.06	8	16.28	0.015
1346914	Soil	0.99	8.95	6.39	29.8	46	13.7	4.3	140	1.09	10.2	0.6	0.5	0.8	87.4	0.16	0.24	0.08	11	13.94	0.026
1346915	Soil	1.30	10.53	8.63	36.4	119	14.8	5.1	193	1.49	6.6	0.4	1.3	0.8	65.8	0.28	0.45	0.09	20	11.01	0.040
1346916	Soil	0.88	8.58	7.15	28.0	89	12.7	4.5	179	1.38	5.9	0.3	0.9	0.8	67.5	0.14	0.32	0.07	18	12.56	0.029
1346917	Soil	1.46	10.58	8.23	38.9	94	14.7	6.0	246	1.75	6.8	0.4	0.7	0.8	71.6	0.19	0.44	0.09	21	9.88	0.035
1346918	Soil	1.66	8.50	6.81	27.4	73	12.0	4.8	208	1.28	6.4	0.5	1.8	0.9	71.9	0.17	0.37	0.07	17	12.58	0.022
1346919	Soil	1.93	12.49	10.08	50.3	116	15.4	6.2	310	1.58	8.0	0.7	1.1	0.7	59.5	0.25	0.43	0.10	20	9.54	0.035
1346920	Soil	2.25	12.95	9.38	82.0	70	13.9	5.3	374	1.48	7.2	0.8	2.1	0.3	62.1	0.25	0.40	0.09	17	9.61	0.053
1346921	Soil	1.50	12.28	14.70	80.0	134	21.9	8.8	489	2.53	11.7	0.7	3.8	1.1	20.6	0.32	0.71	0.17	40	2.12	0.048
1346922	Soil	1.72	19.62	36.27	132.4	486	29.4	11.9	578	3.54	19.2	0.7	2.0	3.4	10.2	0.75	2.00	0.18	34	0.52	0.029
1346923	Rock Pulp	0.05	2.95	0.29	5.7	17	1.1	0.7	16	0.26	0.4	<0.1	<0.2	<0.1	9.4	<0.01	<0.02	<0.02	8	0.10	0.023



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.01	0.02	5	0.1	0.02	0.1	0.01
1346097	Soil	10.2	16.4	4.78	82.9	0.008	4	0.95	0.008	0.08	<0.1	2.0	0.36	0.04	39	0.2	0.04	2.1
1346098	Soil	11.9	16.9	4.07	86.8	0.012	5	0.97	0.009	0.10	<0.1	3.1	0.30	<0.02	40	0.1	<0.02	2.4
1346099	Soil	13.4	21.3	2.28	121.8	0.016	6	1.12	0.009	0.13	<0.1	4.1	0.26	<0.02	37	<0.1	0.04	3.3
1346100	Soil	16.1	24.5	2.42	140.4	0.011	5	1.31	0.007	0.11	0.1	4.7	0.27	0.03	66	0.1	0.03	3.4
1298590	Soil	16.2	22.1	2.53	116.2	0.007	6	0.93	0.007	0.15	<0.1	5.4	0.26	0.02	63	0.3	0.02	2.7
1298591	Soil	13.0	17.9	3.98	93.4	0.004	5	0.91	0.006	0.12	<0.1	4.7	0.27	0.02	61	0.3	0.03	2.3
1298592	Soil	15.6	19.8	3.30	78.3	0.008	5	0.90	0.008	0.13	<0.1	4.0	0.22	<0.02	46	0.1	<0.02	2.4
1298593	Soil	20.5	32.2	0.79	195.7	0.015	5	1.55	0.005	0.15	<0.1	6.4	0.25	<0.02	49	0.3	0.04	4.4
1298594	Soil	20.5	29.1	0.75	241.2	0.014	4	1.41	0.007	0.13	0.1	6.3	0.22	<0.02	71	0.1	0.03	4.0
1298595	Soil	12.3	39.9	0.83	160.7	0.074	2	0.94	0.030	0.10	0.2	3.8	0.08	0.04	35	0.1	<0.02	3.4
1346904	Soil	10.9	16.4	5.06	181.9	0.008	6	0.89	0.009	0.09	<0.1	2.3	0.27	0.05	37	0.3	<0.02	1.9
1346905	Soil	9.2	10.4	6.73	101.1	0.007	4	0.48	0.009	0.07	<0.1	1.9	0.38	0.04	49	0.2	<0.02	1.2
1346906	Soil	8.6	12.4	4.92	110.1	0.006	3	0.78	0.007	0.06	<0.1	1.8	0.12	0.04	22	0.2	<0.02	1.7
1346907	Soil	8.8	14.2	3.84	146.1	0.006	3	0.88	0.007	0.05	<0.1	1.9	0.26	0.05	37	0.3	<0.02	2.0
1346908	Soil	5.0	8.5	7.05	69.4	0.010	2	0.36	0.010	0.03	0.1	1.3	0.07	<0.02	13	0.3	<0.02	1.0
1346909	Soil	6.2	9.7	6.25	76.4	0.009	2	0.45	0.010	0.03	0.1	1.5	0.06	<0.02	21	0.3	<0.02	1.3
1346910	Soil	15.3	14.3	1.10	143.4	0.002	5	1.07	0.002	0.13	<0.1	5.9	0.31	0.03	45	0.4	<0.02	3.0
1346911	Soil	21.2	20.8	1.65	251.4	0.136	4	3.56	0.054	0.07	0.1	6.1	0.14	0.06	53	0.4	0.04	8.6
1346912	Soil	5.7	9.0	7.01	58.4	0.003	4	0.45	0.009	0.08	<0.1	1.5	0.18	0.03	10	0.3	0.04	1.2
1346913	Soil	4.1	6.4	7.96	38.8	0.002	4	0.25	0.011	0.07	<0.1	1.3	0.10	<0.02	10	0.2	0.03	0.6
1346914	Soil	5.5	8.7	6.83	59.2	0.002	4	0.38	0.010	0.07	<0.1	1.5	0.16	0.03	15	0.2	0.03	1.2
1346915	Soil	7.9	11.4	6.05	92.2	0.004	2	0.37	0.009	0.04	<0.1	2.2	0.11	0.03	24	0.5	0.02	1.1
1346916	Soil	7.9	10.6	6.94	91.8	0.004	2	0.33	0.009	0.04	<0.1	2.3	0.10	<0.02	24	0.4	<0.02	1.0
1346917	Soil	8.5	12.6	5.41	107.2	0.005	2	0.47	0.008	0.06	<0.1	2.4	0.15	0.02	24	0.3	<0.02	1.5
1346918	Soil	7.1	10.6	6.88	90.0	0.007	2	0.37	0.009	0.04	<0.1	1.8	0.17	<0.02	32	0.3	<0.02	1.1
1346919	Soil	8.4	11.7	5.13	117.6	0.007	2	0.69	0.008	0.06	0.1	1.8	0.20	0.03	31	0.4	0.03	1.6
1346920	Soil	7.9	12.4	5.25	92.9	0.005	3	0.66	0.006	0.06	<0.1	1.3	0.10	0.06	37	0.4	<0.02	1.3
1346921	Soil	11.9	23.6	1.27	172.7	0.014	2	1.31	0.006	0.05	0.2	2.8	0.17	0.04	42	0.2	<0.02	3.9
1346922	Soil	19.5	24.3	0.50	229.0	0.007	1	1.26	0.003	0.06	0.1	5.8	0.22	0.02	116	0.3	0.04	3.3
1346923	Rock Pulp	1.0	2.6	0.02	13.8	0.013	<1	0.14	0.064	0.04	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.6



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346924	Soil	2.27	17.17	24.58	83.0	81	23.2	9.6	781	3.02	16.8	2.0	0.6	2.5	35.0	0.24	0.50	0.21	28	4.07	0.069
1346925	Soil	1.47	14.74	22.70	62.7	60	21.4	8.9	784	3.23	11.8	1.8	0.3	2.6	44.7	0.32	0.34	0.17	22	7.03	0.067
1346926	Soil	1.20	22.04	12.91	97.0	195	31.7	10.2	498	2.61	12.6	1.4	2.7	2.7	20.4	0.17	0.53	0.16	38	0.51	0.077
1346927	Soil	1.48	20.17	20.77	84.7	146	28.2	10.7	597	2.79	13.2	1.6	3.5	1.6	22.4	0.17	0.55	0.19	35	1.08	0.064
1346928	Soil	1.32	16.93	12.42	67.2	110	20.3	7.7	453	2.07	16.0	1.4	1.3	1.1	48.3	0.23	0.49	0.12	29	5.73	0.050
1346929	Soil	1.58	18.11	16.28	84.6	121	27.2	10.2	476	2.54	17.2	0.9	2.3	2.0	45.7	0.39	0.70	0.16	32	3.25	0.042
1346930	Soil	1.59	24.52	15.23	90.0	197	28.4	10.5	617	2.71	17.0	1.3	1.5	1.2	39.3	0.32	0.71	0.19	35	2.83	0.061
1346931	Soil	1.43	15.48	15.10	64.7	116	20.3	8.7	472	2.36	18.3	1.1	2.1	1.2	51.6	0.26	0.53	0.14	30	5.55	0.053
1346932	Soil	1.57	16.08	11.19	74.1	135	21.9	8.0	673	2.26	14.7	1.0	1.5	1.0	84.9	0.32	0.61	0.11	36	6.18	0.058
1346933	Soil	1.78	18.77	14.36	81.0	108	24.6	8.3	355	2.56	16.0	1.0	1.7	1.8	71.6	0.28	0.64	0.17	41	4.18	0.063
1346934	Soil	3.61	19.84	11.32	108.5	132	35.2	9.1	366	2.82	55.2	1.2	1.1	1.8	188.4	0.38	0.74	0.14	54	5.68	0.098
1346935	Soil	2.02	19.20	10.24	107.1	122	33.6	7.5	345	2.01	41.4	1.4	1.6	1.3	205.0	0.41	0.70	0.11	50	7.18	0.091
1346936	Soil	1.63	15.53	8.56	88.5	89	29.6	5.9	273	1.63	42.1	1.2	1.8	1.1	212.2	0.37	0.66	0.09	47	8.83	0.078
1346937	Soil	1.79	12.51	7.41	67.5	88	19.0	5.3	272	1.65	39.9	1.0	1.0	1.0	231.7	0.34	0.56	0.08	40	8.16	0.072
1346938	Soil	2.04	18.89	11.39	104.6	153	29.1	8.5	398	2.19	51.9	1.0	2.0	0.8	148.3	0.46	0.71	0.13	41	3.43	0.079
1346939	Soil	1.69	14.87	11.75	80.7	133	23.6	7.9	494	2.25	52.8	1.2	1.1	0.6	78.9	0.51	0.66	0.13	40	3.72	0.077
1346940	Soil	1.34	15.69	10.08	72.2	97	25.5	7.3	369	1.95	286.6	1.1	0.8	1.3	160.0	0.34	0.63	0.10	37	7.78	0.063
1346941	Soil	0.99	11.14	7.81	65.6	77	16.4	5.5	298	1.46	37.7	1.1	2.7	0.9	79.6	0.21	0.36	0.08	23	7.52	0.048
1346942	Soil	1.84	30.65	15.83	103.4	140	32.9	12.7	474	2.93	50.5	1.7	2.7	1.6	104.1	0.27	0.65	0.19	55	1.14	0.086
1346943	Soil	1.72	9.58	7.09	42.9	61	14.9	4.5	201	1.37	30.0	1.7	1.8	0.8	141.1	0.23	0.44	0.11	38	9.17	0.070
1346944	Soil	1.64	13.10	9.07	67.8	78	22.2	5.4	209	1.51	30.3	1.5	2.2	1.0	192.3	0.37	0.67	0.12	54	7.37	0.110
1346945	Soil	1.41	28.63	18.78	100.3	131	26.8	9.9	468	2.47	19.5	2.6	2.7	2.2	83.5	0.38	0.61	0.24	34	2.53	0.080
1346946	Soil	1.05	21.23	19.59	91.3	127	22.6	9.6	510	2.67	12.9	1.3	2.7	1.8	17.6	0.31	0.44	0.24	33	1.03	0.079
1346947	Soil	0.94	16.39	18.53	69.5	103	15.0	8.1	459	2.12	11.4	1.5	1.7	1.1	43.3	0.22	0.34	0.18	15	5.78	0.059
1346948	Soil	0.69	22.55	24.35	102.2	137	20.2	8.6	525	2.18	8.6	1.5	3.0	1.3	53.8	0.40	0.47	0.19	25	3.04	0.089
1346949	Soil	0.71	24.46	21.64	105.1	153	22.6	9.8	374	2.37	7.7	1.1	3.2	1.7	35.3	0.36	0.42	0.20	26	2.37	0.078
1346950	Soil	0.76	24.57	38.29	145.4	137	22.5	9.6	390	2.61	9.8	1.5	2.3	2.2	40.9	0.62	0.51	0.18	30	2.17	0.082
1346101	Soil	1.61	25.24	20.97	102.8	95	26.1	12.1	578	3.28	20.1	1.1	0.9	1.7	22.4	0.40	0.80	0.20	43	2.77	0.056
1346102	Soil	1.49	25.87	17.74	80.0	127	27.8	12.4	663	3.09	20.1	1.0	2.3	2.0	36.6	0.32	0.84	0.18	40	3.74	0.057
1346103	Soil	1.38	17.05	19.81	76.0	132	22.0	11.0	577	2.65	12.6	1.1	1.5	1.8	24.0	0.39	0.66	0.18	35	3.89	0.046



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346924	Soil	15.9	20.6	2.29	100.7	0.003	3	1.22	0.003	0.10	<0.1	4.9	0.28	0.03	45	0.3	<0.02	3.7	
1346925	Soil	18.4	20.1	3.69	82.3	0.002	3	1.25	0.004	0.08	<0.1	5.7	0.26	0.04	37	0.3	0.04	2.6	
1346926	Soil	14.7	27.9	0.55	217.5	0.013	2	1.43	0.008	0.07	0.2	4.3	0.34	<0.02	75	0.3	0.03	4.4	
1346927	Soil	11.9	25.0	0.70	217.3	0.007	2	1.47	0.003	0.07	0.1	3.3	0.27	0.04	58	0.3	0.04	4.3	
1346928	Soil	8.8	17.7	2.95	110.6	0.008	2	1.03	0.007	0.07	0.1	2.7	0.31	0.03	50	0.4	0.03	2.8	
1346929	Soil	12.7	21.3	1.76	126.2	0.009	3	1.13	0.006	0.08	0.1	3.7	0.28	0.03	56	0.3	0.04	3.2	
1346930	Soil	11.1	23.3	1.33	180.0	0.007	3	1.35	0.005	0.09	0.1	3.5	0.28	0.04	80	0.5	0.04	4.0	
1346931	Soil	9.1	18.0	2.65	109.1	0.005	3	1.09	0.006	0.07	<0.1	2.8	0.16	0.04	37	0.3	0.04	2.8	
1346932	Soil	8.9	18.3	3.02	130.3	0.007	3	1.09	0.008	0.07	0.1	2.6	0.17	0.03	48	0.3	0.04	2.9	
1346933	Soil	11.1	21.7	1.82	125.8	0.007	3	1.34	0.006	0.08	0.1	4.0	0.22	0.04	44	0.3	0.03	3.7	
1346934	Soil	12.9	21.9	2.54	117.6	0.008	6	1.15	0.007	0.12	<0.1	3.2	0.34	0.04	72	0.3	0.05	3.3	
1346935	Soil	12.5	19.8	3.15	117.7	0.008	6	1.01	0.008	0.09	0.1	2.9	0.31	0.05	74	0.4	<0.02	2.9	
1346936	Soil	10.7	13.8	4.01	91.0	0.005	5	0.82	0.008	0.07	<0.1	2.2	0.25	0.04	68	0.3	0.03	2.3	
1346937	Soil	9.1	14.5	2.94	98.9	0.009	6	0.83	0.009	0.07	<0.1	2.2	0.27	0.05	42	0.3	0.04	2.1	
1346938	Soil	11.4	20.6	1.30	128.5	0.008	5	1.10	0.007	0.08	0.1	2.4	0.55	0.07	33	0.4	0.03	3.4	
1346939	Soil	10.7	20.4	1.45	116.3	0.007	3	1.12	0.006	0.06	0.2	2.2	0.25	0.06	48	0.5	0.03	3.1	
1346940	Soil	9.5	18.1	3.78	103.6	0.007	4	0.93	0.007	0.08	0.1	3.0	1.22	0.03	35	0.3	0.03	2.7	
1346941	Soil	6.4	12.3	3.77	82.5	0.005	2	0.74	0.007	0.06	0.1	1.8	0.19	0.03	34	0.3	<0.02	1.9	
1346942	Soil	12.7	28.8	0.49	195.1	0.005	4	1.50	0.005	0.12	0.1	3.8	0.42	<0.02	97	0.5	<0.02	4.6	
1346943	Soil	8.2	11.9	4.43	71.6	0.003	5	0.45	0.011	0.06	<0.1	1.5	0.17	<0.02	51	0.1	<0.02	1.4	
1346944	Soil	11.3	13.1	4.24	91.1	0.005	6	0.72	0.007	0.06	<0.1	1.8	0.22	<0.02	52	0.2	<0.02	1.8	
1346945	Soil	17.0	24.2	1.08	202.6	0.007	4	1.11	0.006	0.08	<0.1	4.1	0.20	<0.02	75	0.2	<0.02	3.2	
1346946	Soil	12.0	23.1	0.60	137.9	0.006	3	1.38	0.006	0.08	0.1	3.7	0.23	0.06	61	0.2	0.03	3.7	
1346947	Soil	6.1	11.8	3.08	66.2	0.002	4	0.67	0.007	0.11	<0.1	2.7	0.20	<0.02	45	0.1	<0.02	1.7	
1346948	Soil	11.8	22.0	1.77	207.3	0.007	6	1.19	0.007	0.12	<0.1	3.4	0.16	0.05	64	0.5	0.02	3.1	
1346949	Soil	12.8	24.6	1.46	171.7	0.007	6	1.26	0.007	0.13	<0.1	4.3	0.17	<0.02	85	0.5	<0.02	3.3	
1346950	Soil	16.6	27.4	1.45	81.1	0.007	6	1.23	0.005	0.13	<0.1	4.9	0.21	<0.02	71	0.4	<0.02	3.5	
1346101	Soil	11.4	21.6	1.51	141.9	0.003	3	1.56	0.006	0.09	<0.1	4.4	0.19	0.03	64	0.2	0.06	3.8	
1346102	Soil	11.9	20.7	2.00	135.3	0.009	4	1.29	0.009	0.09	<0.1	4.4	0.19	0.03	72	<0.1	<0.02	3.1	
1346103	Soil	10.1	20.9	2.29	133.9	0.005	3	1.42	0.007	0.08	<0.1	3.4	0.14	<0.02	54	0.2	<0.02	3.0	



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346104	Soil	3.94	21.27	23.26	115.1	83	28.0	11.5	485	3.13	15.4	2.0	1.2	1.8	20.2	0.67	0.93	0.23	46	2.32	0.056
1346105	Soil	1.55	30.46	24.06	82.6	119	25.4	15.4	587	3.04	12.7	0.7	1.6	1.6	23.2	0.36	1.00	0.23	26	2.95	0.050
1346106	Soil	1.14	52.52	27.07	123.5	143	26.7	14.4	389	3.13	14.5	4.8	1.8	2.3	77.2	0.28	1.01	0.26	20	1.48	0.055
1346107	Soil	1.03	51.42	25.80	102.2	136	28.4	16.3	630	3.50	13.2	1.3	1.2	2.2	36.8	0.20	0.81	0.31	21	1.25	0.045
1346108	Rock Pulp	0.06	4.86	0.50	10.0	14	2.0	1.0	20	0.29	0.6	<0.1	0.2	<0.1	10.9	<0.01	<0.02	<0.02	10	0.11	0.028
1346751	Soil	0.77	32.08	32.76	79.9	104	23.8	12.1	783	2.29	7.3	0.6	1.7	3.7	24.2	0.23	0.49	0.19	27	3.36	0.088
1346752	Soil	0.80	33.57	52.14	98.8	84	31.7	17.7	1076	3.64	8.5	0.9	1.7	3.1	12.0	0.17	0.43	0.38	22	0.40	0.063
1346753	Soil	0.84	32.37	32.71	97.2	39	25.6	19.0	1183	4.14	7.2	0.6	1.2	2.6	5.8	0.13	0.45	0.43	24	0.03	0.053
1346754	Soil	0.55	24.74	20.39	76.3	39	17.9	21.0	1409	3.78	4.3	0.4	1.1	2.1	4.4	0.06	0.26	0.43	23	0.02	0.067
1346755	Soil	0.92	24.35	33.20	84.8	32	20.1	12.2	704	4.46	8.7	0.5	1.1	3.4	5.5	0.10	0.56	0.44	32	0.02	0.049
1346756	Soil	1.04	20.12	20.78	85.2	67	13.8	10.1	880	3.97	6.5	0.5	0.8	1.6	5.1	0.12	0.51	0.35	37	0.03	0.063
1346757	Soil	1.29	14.56	16.03	65.0	203	10.5	5.5	441	2.33	6.1	0.4	0.8	0.3	5.9	0.39	0.46	0.25	34	0.12	0.071
1346758	Soil	0.98	14.25	53.83	86.9	46	18.4	12.1	1005	2.95	8.0	0.6	1.8	2.7	6.4	0.10	0.41	0.34	32	0.06	0.054
1346759	Soil	1.00	36.30	31.17	58.3	21	26.0	30.2	1531	3.90	5.0	0.7	1.4	3.9	4.7	0.06	0.42	0.40	19	0.05	0.040
1346760	Soil	1.09	8.54	17.25	43.8	65	8.4	6.8	58	2.69	14.1	<0.1	0.8	2.3	13.7	<0.01	0.56	0.42	8	0.03	0.024
1346761	Soil	0.64	23.15	19.68	44.0	12	19.7	17.7	753	3.64	2.7	0.7	1.1	4.7	3.5	0.05	0.70	0.38	31	0.01	0.029
1346762	Soil	0.92	10.32	49.98	160.6	95	15.0	7.6	3125	2.59	6.2	1.3	0.7	0.8	29.7	0.68	0.27	0.11	22	6.24	0.079
1346763	Soil	0.33	9.72	27.06	43.0	47	9.4	8.6	902	2.12	2.8	0.3	<0.2	2.5	21.5	0.14	0.15	0.15	19	5.53	0.030
1346764	Soil	0.47	6.22	38.37	86.4	82	7.7	4.8	2012	2.26	3.8	0.7	0.3	0.7	28.5	0.43	0.13	0.08	14	7.61	0.068
1346765	Soil	0.72	6.25	226.9	700.3	84	7.1	3.3	2213	2.75	5.0	0.9	0.8	0.6	26.4	2.54	0.20	0.05	11	9.62	0.069
1346766	Soil	1.07	16.91	66.68	170.2	158	21.6	9.6	1149	3.19	10.5	0.9	1.4	1.6	14.8	0.34	0.60	0.21	36	0.99	0.092
1346767	Soil	1.00	18.84	17.86	217.9	42	22.4	9.6	356	3.86	12.2	0.9	1.6	1.5	12.1	0.35	0.55	0.19	27	0.32	0.093
1346768	Soil	0.98	12.44	19.83	105.0	66	17.9	7.5	332	2.69	8.1	0.8	0.8	1.2	10.8	0.19	0.49	0.22	36	0.15	0.074
1346769	Soil	0.90	17.26	25.72	250.6	77	22.8	9.5	431	2.77	9.7	0.8	0.6	1.7	11.9	0.35	0.56	0.19	32	0.84	0.060
1346770	Soil	0.90	8.48	74.42	191.6	100	11.8	5.0	2423	2.63	7.8	1.7	1.5	0.7	20.3	0.67	0.37	0.13	23	4.73	0.101
1346771	Soil	1.25	12.50	26.36	71.1	32	16.5	7.0	377	2.88	9.6	0.9	0.4	0.4	11.3	0.20	0.66	0.28	44	0.19	0.074
1346772	Soil	1.52	13.37	12.56	42.5	96	14.0	5.9	234	1.46	8.2	0.7	0.8	0.9	45.1	0.22	0.42	0.13	17	6.74	0.032
1346773	Soil	0.93	17.54	47.19	213.1	192	21.7	10.0	1307	3.38	9.6	2.8	1.8	1.5	21.2	0.69	0.58	0.19	32	1.97	0.093
1346774	Soil	0.03	3.09	0.21	4.2	9	0.7	0.8	18	0.27	0.3	<0.1	<0.2	<0.1	10.1	<0.01	<0.02	<0.02	8	0.10	0.024
1346775	Soil	1.25	13.71	11.85	38.6	57	19.5	9.1	256	1.88	5.5	0.7	0.3	1.8	119.4	0.14	0.31	0.12	15	10.12	0.030



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1346104	Soil	12.4	25.2	1.31	118.3	0.005	3	1.60	0.005	0.09	<0.1	3.9	0.23	0.03	47	0.1	0.03	3.8	
1346105	Soil	7.6	19.4	1.71	96.3	0.004	4	1.26	0.006	0.10	<0.1	4.0	0.19	0.04	60	0.2	<0.02	3.2	
1346106	Soil	5.6	19.5	0.71	149.5	0.002	6	1.15	0.005	0.13	<0.1	5.6	0.54	0.03	112	1.6	<0.02	3.4	
1346107	Soil	5.6	19.6	0.62	110.5	0.002	5	1.30	0.004	0.12	<0.1	6.0	0.16	0.03	71	0.5	0.03	3.5	
1346108	Rock Pulp	1.1	4.6	0.03	13.8	0.016	<1	0.16	0.060	0.04	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.6	
1346751	Soil	9.8	17.6	2.08	104.2	0.019	3	0.98	0.012	0.12	0.1	3.9	0.16	<0.02	27	<0.1	0.02	2.9	
1346752	Soil	10.4	23.3	0.47	109.6	0.005	3	1.40	0.006	0.12	<0.1	5.1	0.15	0.03	38	<0.1	<0.02	4.5	
1346753	Soil	6.7	24.6	0.31	56.7	0.005	2	1.41	0.004	0.12	<0.1	3.7	0.12	<0.02	23	<0.1	0.05	5.7	
1346754	Soil	4.4	24.2	0.26	63.0	0.003	2	1.38	0.005	0.13	<0.1	3.3	0.12	0.04	54	<0.1	0.04	6.4	
1346755	Soil	6.7	28.6	0.32	61.0	0.006	2	1.70	0.004	0.11	<0.1	4.0	0.14	<0.02	23	0.2	<0.02	6.9	
1346756	Soil	6.6	24.5	0.19	54.6	0.007	2	1.34	0.003	0.10	<0.1	2.4	0.12	0.04	38	0.1	0.02	6.5	
1346757	Soil	6.2	17.6	0.17	55.5	0.006	2	0.75	0.005	0.07	0.1	1.3	0.13	0.04	68	<0.1	0.03	5.1	
1346758	Soil	8.7	21.2	0.24	102.0	0.006	3	1.29	0.004	0.10	0.1	3.2	0.22	0.02	45	<0.1	0.03	4.2	
1346759	Soil	3.9	17.6	0.21	118.8	0.004	3	1.20	0.004	0.17	<0.1	6.1	0.14	<0.02	17	<0.1	0.03	4.0	
1346760	Soil	1.8	4.6	0.04	84.9	<0.001	4	0.33	0.006	0.26	<0.1	3.5	0.16	0.37	41	<0.1	<0.02	1.4	
1346761	Soil	2.3	23.5	0.13	90.5	0.007	3	0.85	0.003	0.19	0.1	5.6	0.15	<0.02	21	<0.1	0.05	3.4	
1346762	Soil	8.0	12.5	3.69	116.4	0.005	3	1.04	0.009	0.09	<0.1	2.1	0.24	<0.02	59	0.1	<0.02	2.1	
1346763	Soil	10.4	11.7	3.11	69.3	0.002	3	0.61	0.005	0.10	<0.1	4.7	0.23	<0.02	21	<0.1	0.03	1.6	
1346764	Soil	7.8	8.4	4.51	67.5	0.003	3	0.61	0.008	0.04	<0.1	1.7	0.16	<0.02	43	0.2	<0.02	1.3	
1346765	Soil	6.0	7.0	5.72	44.8	0.004	1	0.43	0.009	0.03	<0.1	1.2	0.35	<0.02	109	0.2	<0.02	1.1	
1346766	Soil	11.9	23.3	0.68	170.0	0.009	2	1.38	0.006	0.05	0.1	3.3	0.21	0.05	81	<0.1	0.07	4.0	
1346767	Soil	9.8	20.7	0.38	93.1	0.004	1	1.40	0.003	0.05	<0.1	2.9	0.14	0.05	83	0.1	<0.02	3.2	
1346768	Soil	10.2	22.2	0.30	137.7	0.006	2	1.52	0.004	0.04	<0.1	2.4	0.17	<0.02	36	0.1	<0.02	4.9	
1346769	Soil	9.0	21.8	0.68	97.7	0.006	2	1.32	0.005	0.05	0.1	2.9	0.24	0.04	65	0.1	<0.02	4.0	
1346770	Soil	10.2	13.9	2.88	63.4	0.006	1	1.07	0.005	0.03	<0.1	1.9	0.30	0.05	50	0.3	<0.02	2.3	
1346771	Soil	8.8	21.5	0.32	143.6	0.009	<1	1.43	0.002	0.04	0.1	1.1	0.22	0.04	27	0.3	0.07	5.8	
1346772	Soil	8.9	9.8	3.73	158.6	0.006	2	0.49	0.006	0.05	<0.1	1.7	0.12	0.03	14	0.3	0.04	1.2	
1346773	Soil	13.3	21.6	1.26	143.2	0.009	2	1.35	0.005	0.06	0.1	3.0	0.43	0.07	78	0.5	<0.02	3.6	
1346774	Soil	1.0	0.9	0.02	15.1	0.014	<1	0.14	0.062	0.04	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.6	
1346775	Soil	11.1	9.4	5.50	106.2	0.002	5	0.39	0.008	0.12	<0.1	3.2	0.23	<0.02	23	0.3	<0.02	1.1	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346776	Soil	1.44	20.05	20.29	126.1	130	27.3	12.9	654	3.14	16.6	1.2	1.1	2.0	14.1	0.51	0.75	0.27	44	0.68	0.064
1346777	Soil	1.61	20.70	17.35	100.7	185	25.0	11.2	585	2.70	13.7	0.8	1.4	1.2	21.5	0.44	0.82	0.23	40	1.65	0.065
1346778	Soil	0.80	7.19	6.24	38.3	74	10.1	4.0	247	1.04	5.2	0.6	0.4	0.4	41.6	0.28	0.33	0.07	16	7.28	0.042
1346779	Soil	0.71	6.93	29.37	63.6	94	10.4	4.7	2693	2.86	6.1	1.8	<0.2	0.7	21.4	0.39	0.25	0.10	19	5.90	0.098
1346780	Soil	1.11	19.80	12.77	71.9	102	30.7	11.6	451	3.47	5.1	0.6	<0.2	1.7	51.7	0.08	0.36	0.18	45	1.03	0.086
1346781	Soil	1.15	25.20	11.07	65.2	64	39.6	34.5	1309	5.86	9.6	0.9	1.0	3.3	29.3	0.36	0.49	0.12	119	0.40	0.064
1346782	Soil	0.88	77.17	11.13	91.2	81	38.3	40.4	2140	7.84	4.2	0.5	0.4	1.4	96.2	0.23	0.27	0.09	186	0.77	0.117
1346783	Soil	0.70	85.34	8.18	86.4	68	41.0	39.8	1826	8.07	3.3	0.5	0.3	1.6	95.0	0.12	0.21	0.06	211	1.00	0.087
1346784	Soil	0.88	12.74	9.99	18.2	49	22.1	9.2	310	1.94	19.9	0.8	<0.2	1.7	129.5	0.04	0.32	0.05	18	13.69	0.065
1346785	Soil	0.60	7.38	4.79	19.2	53	10.7	3.6	131	0.89	9.2	0.8	<0.2	1.6	89.3	0.09	0.28	0.05	12	13.79	0.024
1346786	Soil	0.91	8.82	7.67	31.4	46	12.2	5.0	248	1.16	10.9	0.7	<0.2	0.7	74.0	0.20	0.28	0.09	13	13.09	0.035
1346787	Soil	1.32	15.62	16.94	118.7	133	24.3	10.6	702	2.78	18.5	0.6	0.3	1.1	24.6	0.71	0.70	0.22	44	3.15	0.074
1346788	Soil	0.60	4.37	5.22	12.5	29	7.2	2.7	110	0.64	5.9	0.9	2.0	1.0	83.5	0.09	0.22	0.03	11	14.87	0.019
1346789	Soil	2.37	15.14	15.47	73.9	81	22.1	7.2	260	2.08	33.0	0.9	<0.2	1.0	42.0	0.32	0.57	0.16	28	8.29	0.065
1346790	Soil	0.41	71.00	7.46	62.1	60	24.4	24.1	635	4.43	4.7	0.3	<0.2	1.1	23.0	0.09	0.10	<0.02	110	1.18	0.096
1346791	Soil	0.41	70.23	6.81	63.5	76	24.5	26.3	1112	4.35	3.7	0.2	0.6	1.2	21.6	0.16	0.08	<0.02	121	1.05	0.083
1346792	Soil	0.73	44.60	10.98	76.0	94	31.2	23.2	578	5.09	6.6	0.6	0.3	2.0	24.0	0.09	0.41	0.11	140	0.73	0.067
1346793	Soil	0.90	44.07	11.90	82.6	86	28.1	15.0	551	3.74	8.7	0.9	5.5	1.3	34.2	0.12	0.66	0.16	159	0.68	0.070
1346794	Soil	1.54	21.83	17.45	94.3	186	33.1	12.6	356	3.04	5.4	0.6	0.3	2.3	77.0	0.61	0.67	0.17	23	4.60	0.081
1346795	Soil	1.26	9.51	9.16	34.6	65	15.1	5.3	146	1.35	8.9	0.7	<0.2	0.8	70.9	0.21	0.65	0.08	18	12.57	0.039
1346796	Soil	1.27	10.59	17.63	30.9	63	18.4	6.2	172	1.43	9.3	0.6	<0.2	0.9	64.1	0.18	0.57	0.11	15	11.86	0.033
1346797	Soil	1.82	11.43	13.56	39.1	81	18.2	6.0	202	1.40	8.9	0.8	2.0	0.9	60.8	0.20	0.69	0.09	20	10.68	0.042
1346798	Soil	1.34	12.27	11.90	47.8	71	18.3	7.5	278	1.77	10.7	0.6	<0.2	1.0	59.7	0.27	0.45	0.12	20	9.72	0.041
1346799	Soil	1.37	12.13	12.68	49.1	92	20.6	7.8	286	1.74	10.4	0.6	1.4	1.0	59.8	0.23	0.43	0.13	21	9.36	0.041
1346800	Soil	0.68	10.57	14.98	34.0	54	16.1	7.4	249	1.42	8.9	0.4	<0.2	1.0	73.0	0.18	0.33	0.12	12	12.89	0.030
1346701	Soil	1.56	11.33	187.5	309.9	75	16.1	9.1	2155	2.68	11.9	2.4	0.5	1.0	18.3	0.88	0.35	0.16	24	3.29	0.237
1346702	Soil	0.97	7.90	96.72	150.9	85	12.8	6.3	1141	2.24	8.7	1.0	<0.2	0.8	20.2	0.58	0.46	0.18	34	3.23	0.237
1346703	Soil	0.84	12.32	85.29	252.2	63	17.4	8.0	736	3.18	12.5	0.7	<0.2	2.8	8.1	0.32	0.49	0.24	23	0.55	0.150
1346704	Soil	0.31	3.82	601.8	77.2	24	6.2	3.7	3212	1.24	4.9	0.6	<0.2	1.8	39.7	0.26	0.16	0.07	7	13.44	0.131
1346705	Soil	0.39	3.54	1544	167.0	41	6.2	3.6	1529	1.89	3.5	0.8	<0.2	2.7	33.2	0.42	0.12	0.09	8	11.95	0.147



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346776	Soil	19.4	26.6	0.61	211.1	0.013	2	1.55	0.005	0.07	0.1	4.1	0.22	0.05	58	0.3	0.07	4.3
1346777	Soil	17.4	24.5	1.04	201.4	0.013	3	1.37	0.007	0.06	0.1	2.7	0.18	0.05	34	0.3	<0.02	4.0
1346778	Soil	6.2	8.5	4.03	86.9	0.006	3	0.44	0.006	0.04	<0.1	0.9	0.06	0.04	27	<0.1	<0.02	1.0
1346779	Soil	9.4	11.1	3.39	95.6	0.008	1	0.85	0.007	0.03	<0.1	1.7	0.24	0.03	50	0.4	<0.02	2.0
1346780	Soil	26.7	26.6	0.78	187.3	0.004	5	2.15	0.002	0.15	<0.1	4.7	0.23	0.05	37	0.2	<0.02	5.7
1346781	Soil	19.5	30.5	1.10	196.7	0.107	3	4.46	0.027	0.05	0.1	6.7	0.11	0.04	50	0.4	0.04	9.0
1346782	Soil	22.5	23.5	2.56	82.4	0.177	4	3.83	0.051	0.06	<0.1	7.2	0.09	0.08	57	0.4	<0.02	12.5
1346783	Soil	22.5	31.9	3.28	83.1	0.224	5	4.08	0.082	0.06	<0.1	10.0	0.07	0.05	35	0.2	<0.02	13.1
1346784	Soil	10.1	15.5	6.04	43.8	0.004	4	0.31	0.008	0.08	<0.1	4.3	0.22	<0.02	31	0.3	<0.02	0.8
1346785	Soil	5.4	7.0	5.99	50.5	0.010	2	0.31	0.011	0.05	<0.1	1.3	0.09	<0.02	18	0.2	<0.02	0.9
1346786	Soil	8.2	8.3	6.78	60.1	0.003	5	0.46	0.010	0.07	<0.1	1.6	0.18	0.03	7	0.5	0.05	1.0
1346787	Soil	18.9	26.6	1.84	160.9	0.013	3	1.75	0.007	0.07	0.1	3.1	0.24	0.05	22	0.3	0.04	4.1
1346788	Soil	4.8	5.9	7.42	32.3	0.008	3	0.23	0.011	0.03	0.1	1.0	0.06	<0.02	10	0.3	<0.02	0.6
1346789	Soil	12.5	16.4	4.49	122.2	0.004	4	1.09	0.007	0.09	<0.1	2.4	0.32	0.06	19	0.4	<0.02	2.2
1346790	Soil	24.5	28.9	1.80	155.3	0.003	11	2.25	<0.001	0.21	<0.1	18.9	0.05	0.05	27	0.2	<0.02	6.9
1346791	Soil	29.2	31.4	1.91	199.6	0.003	10	2.66	<0.001	0.19	<0.1	20.7	0.06	0.06	31	0.2	<0.02	7.4
1346792	Soil	19.5	36.6	2.37	188.2	0.026	5	2.80	0.005	0.08	<0.1	11.5	0.10	0.04	36	0.3	<0.02	8.9
1346793	Soil	19.0	32.5	1.08	154.2	0.056	3	2.34	0.007	0.06	0.2	6.6	0.14	0.04	24	0.3	<0.02	7.0
1346794	Soil	19.0	15.6	2.19	118.9	0.003	6	1.09	0.004	0.16	<0.1	5.3	0.20	0.04	28	0.7	0.03	2.6
1346795	Soil	7.7	11.8	7.01	84.1	0.007	3	0.44	0.010	0.05	<0.1	1.8	0.17	0.03	14	0.4	<0.02	1.1
1346796	Soil	7.0	11.2	6.66	95.8	0.005	4	0.41	0.009	0.07	<0.1	2.0	0.18	0.03	33	0.5	<0.02	1.0
1346797	Soil	7.3	13.2	6.08	131.0	0.008	4	0.67	0.010	0.06	0.1	1.8	0.17	0.03	25	0.4	<0.02	1.2
1346798	Soil	8.4	13.6	5.30	156.3	0.006	3	0.74	0.009	0.07	<0.1	2.2	0.15	0.03	30	0.4	<0.02	1.4
1346799	Soil	9.3	14.8	4.78	180.1	0.007	3	0.82	0.009	0.08	<0.1	2.2	0.14	0.04	34	0.4	0.02	1.7
1346800	Soil	7.3	10.8	6.69	134.9	0.004	3	0.40	0.009	0.09	<0.1	2.2	0.10	0.03	<5	0.3	<0.02	1.0
1346701	Soil	11.9	16.5	1.38	176.6	0.004	3	1.29	0.004	0.06	<0.1	1.9	0.95	0.11	72	0.4	0.04	2.6
1346702	Soil	12.4	19.6	1.67	114.8	0.009	2	1.38	0.006	0.06	0.2	2.0	0.20	0.07	62	0.3	0.04	3.5
1346703	Soil	13.2	17.9	0.32	84.4	0.003	2	1.10	0.002	0.09	<0.1	5.2	0.26	0.05	41	0.2	<0.02	2.8
1346704	Soil	10.4	5.9	7.90	49.9	0.001	2	0.30	0.012	0.06	<0.1	2.2	0.21	<0.02	33	0.5	<0.02	0.7
1346705	Soil	14.0	9.2	7.06	60.2	0.001	2	0.45	0.012	0.06	<0.1	3.0	0.85	<0.02	42	0.3	<0.02	1.0



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346706	Soil			1.39	17.32	138.4	136.8	47	21.0	8.3	1268	3.29	10.6	1.4	5.5	3.3	10.9	0.39	0.58	0.52	28	1.02	0.113
1346707	Soil			0.38	3.86	32.44	22.1	33	6.4	2.8	904	1.39	4.2	0.5	1.6	1.8	40.4	0.13	0.14	0.10	7	9.93	0.077
1346708	Soil			1.46	16.79	23.38	90.6	27	13.5	12.3	506	2.70	6.5	0.6	2.9	0.6	7.4	0.36	0.77	0.43	33	0.32	0.059
1346709	Soil			1.04	12.45	30.96	104.6	60	18.5	7.6	611	2.94	9.4	1.3	2.8	2.0	11.9	0.13	0.63	0.32	42	0.53	0.085
1346710	Soil			0.30	6.27	78.76	246.8	38	6.4	3.2	1603	1.71	3.9	0.8	1.4	1.3	42.0	0.29	0.15	0.07	9	9.16	0.043
1346711	Soil			1.25	21.43	26.75	121.3	35	29.8	14.1	609	3.58	11.9	0.7	1.8	3.2	10.1	0.28	0.92	0.24	37	0.24	0.059
1346712	Soil			1.58	15.25	199.5	423.8	150	25.9	9.1	3713	4.48	12.7	1.6	2.0	3.2	18.5	0.89	0.60	0.22	37	2.64	0.088
1346713	Soil			1.49	18.01	71.31	260.9	133	28.5	12.0	1903	3.83	13.8	1.9	4.0	2.9	15.2	0.48	0.95	0.24	41	0.53	0.052
1346714	Soil			1.27	22.07	31.25	277.1	135	27.2	11.4	650	3.25	11.6	1.1	2.1	2.7	14.4	0.51	0.88	0.21	33	0.78	0.060
1346715	Soil			0.91	9.29	104.3	2165	97	13.3	6.4	2281	2.87	5.1	0.9	<0.2	1.2	29.5	2.02	0.27	0.18	19	6.77	0.102
1346716	Soil			0.85	10.00	55.07	233.5	126	14.0	5.7	1438	2.10	6.6	1.5	2.3	1.2	41.0	0.73	0.36	0.08	19	8.39	0.096
1346717	Soil			1.34	22.51	116.7	533.5	263	26.6	10.6	1784	3.32	12.1	2.2	3.0	1.8	32.3	1.46	0.65	0.17	34	3.98	0.179
1346718	Soil			1.18	14.70	23.97	139.9	47	21.8	10.7	622	3.09	10.5	1.0	2.5	1.1	10.6	0.24	0.78	0.26	47	0.15	0.059
1346719	Soil			0.99	21.38	23.40	227.3	54	27.9	13.9	659	3.31	12.3	1.1	2.0	1.2	12.8	0.54	0.98	0.22	36	0.42	0.087
1346720	Soil			1.23	19.26	54.66	310.2	110	23.6	9.4	3153	5.33	10.6	2.4	3.3	4.1	19.3	0.57	0.76	0.16	35	2.70	0.095
1346721	Soil			1.20	25.34	26.24	83.8	44	32.0	13.5	618	3.61	13.5	1.1	2.3	5.1	12.5	0.44	1.18	0.21	43	0.29	0.064
1346722	Soil			1.05	9.97	20.83	97.2	42	15.7	7.2	891	2.52	7.7	1.1	1.7	1.3	10.7	0.30	0.55	0.22	42	0.57	0.060
1346723	Soil			1.27	15.16	43.88	220.4	99	22.6	12.7	1190	3.43	10.3	1.6	1.8	1.9	20.8	0.42	0.57	0.24	48	0.55	0.079
1346724	Soil			1.87	11.39	58.48	191.8	95	22.6	11.2	2376	3.83	11.7	2.5	1.0	1.5	24.5	0.44	0.56	0.21	45	2.99	0.188
1346725	Soil			0.86	28.22	22.55	94.5	152	33.3	13.8	562	3.01	10.2	1.2	2.7	3.8	21.4	0.27	0.78	0.23	30	0.63	0.081
1346726	Rock Pulp			0.04	3.03	1.45	3.1	9	2.0	0.7	18	0.20	0.4	<0.1	<0.2	<0.1	12.3	<0.01	0.03	<0.02	6	0.11	0.030
1346727	Soil			1.93	6.01	7.73	22.4	16	13.8	4.4	93	1.21	7.9	0.6	0.3	1.7	93.7	0.13	0.20	0.03	6	13.98	0.005
1346728	Soil			1.94	6.28	9.65	18.1	23	12.6	4.7	102	1.13	8.7	0.6	<0.2	1.5	90.6	0.11	0.30	<0.02	7	14.30	0.009
1346729	Soil			0.87	3.47	5.44	18.3	24	4.5	1.4	119	0.35	2.3	0.5	<0.2	0.2	39.3	0.12	0.18	<0.02	8	11.20	0.023
1346730	Soil			0.93	3.66	7.75	26.1	30	3.7	1.3	118	0.31	2.5	0.5	0.8	0.2	49.4	0.16	0.17	<0.02	8	13.63	0.024
1346731	Soil			2.15	8.30	6.85	36.0	56	15.9	4.5	170	1.14	6.3	0.6	1.1	0.5	46.6	0.27	0.41	<0.02	15	9.92	0.033
1346732	Soil			1.37	19.46	20.03	100.1	70	35.6	13.2	453	3.37	8.8	0.8	0.9	2.1	28.0	0.35	0.47	0.16	28	1.32	0.067
1346733	Soil			2.13	5.11	5.86	26.5	37	8.4	2.6	161	0.63	5.0	0.4	0.6	0.4	59.8	0.17	0.31	<0.02	10	9.71	0.028
1346734	Soil			1.31	2.93	7.21	11.8	23	3.7	1.4	110	0.34	3.9	0.4	0.4	0.4	83.1	0.13	0.24	<0.02	6	15.60	0.013
1346735	Soil			0.44	3.67	3.76	17.6	20	7.3	2.4	171	0.48	10.2	0.4	0.8	0.5	80.6	0.10	0.20	<0.02	6	12.60	0.013



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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1346706	Soil	15.6	22.7	0.66	121.4	0.003	3	1.34	0.001	0.08	0.1	4.6	0.43	0.04	54	0.5	<0.02	3.2	
1346707	Soil	8.8	7.6	7.74	35.2	0.002	3	0.29	0.009	0.04	<0.1	1.9	0.22	<0.02	26	<0.1	<0.02	0.6	
1346708	Soil	5.8	17.0	0.15	114.9	0.013	3	0.63	0.002	0.09	0.1	1.8	0.09	0.03	9	0.2	0.05	3.8	
1346709	Soil	11.3	25.9	0.46	146.0	0.010	2	1.58	0.001	0.06	0.2	2.8	0.17	0.04	35	0.4	0.04	4.9	
1346710	Soil	4.9	5.9	6.39	38.4	0.001	3	0.18	0.010	0.04	<0.1	1.6	0.29	0.02	38	0.4	0.03	0.5	
1346711	Soil	9.8	24.5	0.46	118.8	0.005	2	1.58	<0.001	0.05	0.1	3.2	0.12	0.02	23	0.3	0.04	4.2	
1346712	Soil	22.0	25.5	1.66	202.2	0.010	2	1.68	0.003	0.05	0.2	4.6	0.28	0.04	58	0.7	0.05	3.9	
1346713	Soil	15.3	26.6	0.61	189.1	0.013	1	1.43	0.005	0.05	0.2	3.4	0.24	0.03	42	0.7	0.04	4.1	
1346714	Soil	13.7	22.6	0.71	112.1	0.008	3	1.30	0.003	0.05	0.2	3.8	0.12	0.03	36	0.5	0.06	3.4	
1346715	Soil	7.1	15.5	4.34	89.6	0.006	4	0.89	0.008	0.05	<0.1	1.9	0.39	0.07	46	0.5	0.06	2.0	
1346716	Soil	7.3	11.5	5.76	58.5	0.008	2	0.71	0.009	0.03	0.1	1.7	0.40	0.03	40	0.1	0.06	1.6	
1346717	Soil	14.3	24.5	2.58	133.9	0.012	2	1.27	0.007	0.05	0.2	3.0	0.92	0.05	86	0.7	0.04	3.3	
1346718	Soil	12.2	26.3	0.41	165.5	0.013	2	1.67	<0.001	0.05	0.2	2.1	0.19	0.02	32	0.4	0.07	5.4	
1346719	Soil	9.0	25.2	0.49	107.3	0.010	2	1.45	0.002	0.06	0.2	2.1	0.24	0.04	40	0.2	0.02	4.0	
1346720	Soil	14.3	21.9	1.77	244.3	0.010	1	1.54	0.002	0.05	0.1	4.2	0.74	0.03	73	0.3	0.05	4.1	
1346721	Soil	16.4	31.7	0.56	128.7	0.008	1	2.04	<0.001	0.06	0.2	4.4	0.16	0.02	59	0.3	<0.02	4.6	
1346722	Soil	12.4	20.8	0.43	183.0	0.010	1	1.54	0.001	0.04	0.2	1.9	0.18	0.02	28	0.4	0.04	5.5	
1346723	Soil	14.4	28.0	0.53	215.1	0.012	1	1.66	0.004	0.05	0.2	3.0	0.33	0.03	51	0.3	<0.02	5.7	
1346724	Soil	14.0	23.9	1.56	138.4	0.010	2	1.68	0.003	0.04	0.2	3.1	0.69	0.07	46	0.5	0.05	4.5	
1346725	Soil	17.8	27.2	0.75	131.8	0.012	2	1.35	0.004	0.08	0.1	4.2	0.09	0.03	49	0.5	0.02	3.9	
1346726	Rock Pulp	1.2	3.7	0.02	16.6	0.010	<1	0.17	0.052	0.05	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.5	
1346727	Soil	4.6	7.0	8.57	94.8	<0.001	3	0.16	0.011	0.07	<0.1	1.8	0.27	<0.02	35	<0.1	<0.02	0.5	
1346728	Soil	5.5	6.5	8.94	114.9	0.001	2	0.16	0.010	0.06	<0.1	1.7	0.34	<0.02	25	<0.1	<0.02	0.4	
1346729	Soil	3.6	4.6	8.55	34.5	0.004	3	0.19	0.009	0.01	<0.1	0.5	0.04	<0.02	14	0.2	<0.02	0.4	
1346730	Soil	3.6	4.8	10.15	32.4	0.003	2	0.17	0.008	0.01	<0.1	0.4	0.06	<0.02	13	0.1	0.03	0.3	
1346731	Soil	5.1	7.6	7.78	63.4	0.005	3	0.34	0.009	0.04	<0.1	1.0	0.12	<0.02	19	0.3	0.03	0.8	
1346732	Soil	25.6	22.2	0.66	131.6	0.003	7	1.51	0.002	0.17	<0.1	4.8	0.28	0.07	31	0.5	0.04	3.8	
1346733	Soil	4.9	5.8	6.98	39.2	0.004	3	0.30	0.010	0.03	<0.1	0.7	0.13	<0.02	13	0.1	0.03	0.6	
1346734	Soil	4.3	3.7	10.25	20.8	0.003	2	0.15	0.011	0.02	<0.1	0.4	0.09	<0.02	<5	<0.1	<0.02	0.3	
1346735	Soil	5.3	5.3	8.00	26.4	0.004	3	0.18	0.011	0.03	<0.1	0.7	0.39	<0.02	12	0.1	<0.02	0.4	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346736	Soil			1.01	4.15	6.73	15.1	18	6.9	1.7	96	0.49	7.2	0.4	0.9	0.4	85.0	0.08	0.24	<0.02	6	14.21	0.011
1346737	Soil			2.38	9.72	8.59	46.7	69	14.4	4.8	248	1.25	10.3	0.6	2.3	0.5	67.4	0.33	0.56	0.04	18	9.62	0.043
1346738	Soil			1.81	10.51	10.93	41.3	63	15.3	4.7	236	1.26	9.4	0.5	1.5	0.6	57.2	0.28	0.50	<0.02	20	8.93	0.044
1346739	Soil			1.75	15.80	22.24	103.4	154	29.0	11.1	452	2.89	16.9	0.7	1.8	2.5	18.6	0.37	0.93	0.23	48	1.16	0.051
1346740	Soil			0.94	7.80	10.41	24.9	36	9.8	4.0	204	1.04	8.1	0.5	0.8	0.6	72.9	0.22	0.31	<0.02	16	9.96	0.034
1346741	Soil			1.04	7.20	8.30	26.2	48	11.4	4.4	178	1.18	6.3	0.5	0.5	1.3	56.8	0.16	0.39	<0.02	18	9.15	0.034
1346742	Soil			4.31	23.83	15.50	79.7	27	67.9	18.0	61	3.87	14.1	1.4	4.0	2.6	78.1	0.46	0.39	0.19	7	11.09	0.013
1346743	Soil			0.31	2.72	2.51	11.4	23	2.4	1.1	96	0.44	2.0	0.2	0.7	<0.1	27.2	0.09	0.09	<0.02	5	5.59	0.017
1346744	Soil			0.64	3.17	4.35	6.7	23	3.8	1.7	77	0.26	2.8	0.3	0.4	0.2	42.9	0.08	0.15	0.03	4	10.72	0.012
1346745	Soil			1.03	4.93	5.02	16.5	34	7.3	3.4	180	0.71	4.0	0.6	0.3	0.4	79.7	0.12	0.24	<0.02	10	14.11	0.023
1346746	Soil			1.48	33.17	27.92	102.7	131	29.3	14.6	538	3.23	18.4	1.1	1.5	1.0	35.4	0.32	1.01	0.19	28	2.73	0.086
1346747	Soil			0.91	26.84	21.21	109.8	126	29.2	18.7	829	3.22	12.6	1.0	1.5	1.6	35.0	0.23	0.58	0.15	38	2.31	0.114
1346748	Soil			1.35	33.59	33.21	119.2	135	32.0	18.3	840	3.81	16.0	0.7	1.2	3.1	25.1	0.30	0.99	0.26	32	1.30	0.060
1346749	Soil			1.39	30.23	24.45	92.9	152	27.1	15.1	512	3.00	12.4	0.7	1.7	2.2	42.2	0.34	0.86	0.20	29	4.52	0.067
1346750	Soil			0.60	31.16	17.99	74.1	224	24.8	11.0	439	2.21	5.9	1.4	1.2	1.3	51.4	0.20	0.55	0.22	23	2.24	0.072
1346001	Soil			1.00	5.07	7.24	16.1	30	7.4	3.3	147	0.80	5.6	0.4	0.4	0.5	76.3	0.12	0.27	0.04	8	15.18	0.018
1346002	Soil			1.30	6.92	11.05	31.7	41	10.0	5.5	269	1.45	7.8	0.5	0.4	1.1	50.7	0.12	0.57	0.08	26	11.35	0.021
1346003	Soil			1.70	9.96	8.41	33.6	26	16.7	8.5	204	1.68	27.2	0.5	0.3	1.3	239.7	0.09	0.21	0.06	11	11.45	0.040
1346004	Soil			0.93	11.08	10.01	32.1	28	17.8	7.6	198	1.76	4.0	0.5	0.2	2.3	383.6	0.06	0.25	0.06	15	14.96	0.039
1346005	Soil			0.92	10.79	7.12	16.6	66	10.5	5.6	209	1.21	8.2	0.6	0.3	0.9	78.5	0.10	0.26	0.03	17	13.84	0.031
1346006	Soil			1.58	23.85	24.31	45.6	110	25.2	14.5	903	3.28	18.9	0.7	0.8	0.9	53.1	0.19	0.55	0.11	43	6.10	0.086
1346007	Soil			2.68	36.70	20.31	73.7	70	29.5	37.8	3114	7.39	8.6	0.6	0.2	3.0	64.3	0.08	0.44	0.04	127	5.56	0.156
1346008	Soil			1.11	19.33	13.03	49.7	42	22.7	18.3	629	3.45	5.6	0.5	<0.2	2.9	84.2	0.09	0.19	0.06	57	4.57	0.113
1346009	Soil			0.91	25.60	10.88	53.8	39	26.1	14.4	519	2.82	2.5	0.6	0.2	2.7	539.4	0.06	0.16	0.09	40	8.95	0.060
1346010	Soil			1.14	26.66	12.20	54.6	49	24.6	16.1	540	3.07	3.4	0.6	0.3	2.9	547.8	0.11	0.23	0.09	44	10.64	0.059
1346011	Soil			1.66	24.23	13.61	76.1	58	35.0	17.3	575	3.64	4.5	0.5	0.2	3.5	209.1	0.11	0.25	0.15	41	3.93	0.059
1346012	Soil			1.08	21.11	16.10	48.2	79	17.1	9.3	331	2.06	9.1	0.6	0.7	1.5	78.7	0.22	0.52	0.10	26	7.60	0.040
1346013	Soil			0.73	25.15	16.35	69.9	115	29.6	19.8	854	3.14	14.2	0.6	0.7	3.4	47.9	0.22	0.38	0.16	31	1.69	0.115
1346014	Soil			0.91	14.03	18.72	46.2	38	19.7	11.2	439	2.82	2.6	0.7	0.6	2.9	262.9	0.07	0.16	0.15	11	6.08	0.053
1346015	Soil			0.72	0.95	2.57	1.3	17	1.5	1.1	46	0.16	1.9	0.4	<0.2	<0.1	70.2	0.03	0.21	<0.02	3	17.19	0.010



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346736	Soil	3.0	4.9	9.64	27.1	0.004	1	0.14	0.009	0.02	<0.1	0.6	0.15	<0.02	<5	<0.1	<0.02	0.3	
1346737	Soil	7.4	10.4	6.59	73.7	0.007	4	0.47	0.011	0.04	<0.1	1.1	0.22	0.03	22	0.3	0.05	1.2	
1346738	Soil	8.0	11.2	5.50	56.9	0.008	3	0.50	0.010	0.04	<0.1	1.1	0.16	0.04	20	0.4	0.03	1.3	
1346739	Soil	20.3	30.8	0.90	169.3	0.014	2	1.66	0.006	0.07	0.2	4.1	0.20	0.04	27	0.4	0.05	4.8	
1346740	Soil	6.9	7.4	6.83	41.6	0.007	3	0.34	0.011	0.04	<0.1	1.3	0.13	<0.02	16	0.3	<0.02	0.9	
1346741	Soil	7.0	10.2	6.20	59.4	0.010	3	0.38	0.011	0.05	0.1	1.7	0.10	<0.02	10	0.3	<0.02	1.1	
1346742	Soil	4.2	7.7	6.23	66.6	<0.001	5	0.45	0.014	0.13	<0.1	5.0	1.93	<0.02	65	0.1	<0.02	0.7	
1346743	Soil	2.5	2.3	3.18	17.1	0.003	3	0.13	0.005	0.02	<0.1	0.3	0.26	<0.02	11	<0.1	<0.02	0.3	
1346744	Soil	2.8	2.6	6.45	30.0	0.002	2	0.09	0.007	0.02	<0.1	0.4	0.15	<0.02	23	0.1	<0.02	0.2	
1346745	Soil	7.4	5.3	7.81	45.0	0.005	3	0.24	0.011	0.04	<0.1	0.9	0.17	<0.02	16	0.1	<0.02	0.6	
1346746	Soil	10.6	24.2	0.82	201.1	0.003	7	1.17	0.006	0.11	<0.1	4.1	0.30	<0.02	109	0.4	0.03	3.2	
1346747	Soil	15.9	27.7	0.60	168.5	0.003	8	1.07	0.005	0.15	<0.1	6.5	0.19	0.03	73	0.2	<0.02	3.5	
1346748	Soil	18.4	23.3	0.63	132.2	0.003	7	1.34	0.005	0.16	<0.1	6.5	0.19	<0.02	67	<0.1	0.06	4.3	
1346749	Soil	9.9	20.0	2.50	110.4	0.005	6	1.28	0.007	0.15	<0.1	5.0	0.20	<0.02	50	0.4	0.03	3.5	
1346750	Soil	8.8	19.4	0.51	125.6	0.003	6	1.22	0.006	0.11	<0.1	3.4	0.13	0.02	73	0.6	0.05	3.6	
1346001	Soil	5.7	6.7	8.36	86.2	0.002	3	0.22	0.012	0.06	<0.1	1.1	0.21	<0.02	38	0.1	0.03	0.5	
1346002	Soil	7.7	12.0	7.09	72.4	0.007	3	0.89	0.009	0.06	<0.1	2.1	0.16	<0.02	26	0.2	0.03	1.9	
1346003	Soil	12.5	9.4	4.53	59.1	0.001	4	0.30	0.008	0.13	<0.1	3.0	0.34	<0.02	19	<0.1	<0.02	1.0	
1346004	Soil	11.1	10.5	3.70	75.3	0.007	3	0.64	0.010	0.12	<0.1	3.7	0.19	<0.02	8	0.1	<0.02	1.4	
1346005	Soil	6.0	7.9	6.85	36.8	0.007	3	0.29	0.013	0.07	<0.1	2.2	0.17	<0.02	16	0.1	<0.02	0.8	
1346006	Soil	15.8	21.0	3.30	101.7	0.006	5	1.00	0.018	0.12	<0.1	4.9	0.19	<0.02	30	0.2	<0.02	2.5	
1346007	Soil	37.3	26.5	2.31	163.8	0.003	5	1.62	0.006	0.14	<0.1	15.0	0.15	<0.02	34	0.1	<0.02	7.4	
1346008	Soil	26.7	19.0	2.31	62.6	0.035	10	1.16	0.010	0.26	<0.1	7.8	0.17	<0.02	35	<0.1	<0.02	3.4	
1346009	Soil	19.7	18.4	1.35	75.5	0.020	11	1.27	0.012	0.31	<0.1	5.9	0.26	<0.02	31	0.1	<0.02	3.2	
1346010	Soil	21.8	18.3	1.12	94.0	0.029	10	1.39	0.011	0.29	<0.1	6.1	0.19	<0.02	35	0.1	<0.02	3.9	
1346011	Soil	26.2	25.1	0.83	126.4	0.010	12	1.71	0.009	0.33	<0.1	6.7	0.25	<0.02	31	0.2	<0.02	4.8	
1346012	Soil	6.9	13.7	3.38	96.7	0.012	4	0.93	0.009	0.11	<0.1	3.5	0.15	<0.02	65	0.1	<0.02	2.3	
1346013	Soil	15.7	29.8	0.56	149.9	0.003	8	0.98	0.006	0.20	<0.1	8.1	0.15	<0.02	60	0.3	0.10	3.1	
1346014	Soil	18.6	13.8	1.00	110.4	0.002	12	0.68	0.012	0.22	<0.1	5.4	0.17	<0.02	32	0.1	<0.02	1.8	
1346015	Soil	2.9	3.8	9.95	21.5	<0.001	<1	0.06	0.010	0.01	<0.1	0.3	0.04	<0.02	145	0.2	<0.02	0.2	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346016	Soil	0.72	4.15	6.81	33.3	44	5.9	2.5	192	0.62	5.8	0.7	<0.2	0.3	56.5	0.18	0.42	0.04	13	14.13	0.032
1346017	Soil	0.63	9.00	7.29	37.8	44	10.0	4.1	167	1.01	19.4	0.9	1.0	1.1	201.3	0.22	0.31	0.07	26	10.81	0.053
1346018	Soil	2.09	6.23	7.02	39.4	51	7.9	4.0	200	1.82	122.1	1.0	1.2	1.1	322.1	0.20	0.45	0.07	30	9.86	0.053
1346019	Soil	0.84	7.82	6.14	29.6	56	11.0	4.2	166	1.14	19.8	0.9	0.9	1.5	145.9	0.21	0.35	0.06	22	8.98	0.041
1346020	Soil	1.39	15.71	13.40	58.4	105	21.0	8.8	336	1.91	35.7	2.0	0.9	1.1	106.3	0.29	0.54	0.14	31	7.06	0.058
1346021	Soil	1.73	20.87	18.29	80.4	154	27.7	12.0	450	2.55	32.1	1.0	2.1	1.6	81.6	0.28	0.70	0.20	38	3.79	0.058
1346022	Soil	0.98	14.56	13.36	64.2	82	19.2	8.0	322	1.91	20.5	0.9	0.8	1.5	80.8	0.41	0.47	0.14	23	7.80	0.049
1346023	Soil	1.24	22.73	19.21	78.4	127	26.5	11.2	405	2.47	19.4	0.8	2.6	2.2	53.0	0.32	0.68	0.18	30	5.01	0.037
1346024	Soil	1.32	26.16	17.38	76.2	100	31.1	10.7	339	2.48	35.3	0.9	2.2	2.0	72.3	0.24	0.58	0.20	27	5.84	0.048
1346025	Soil	1.42	22.94	18.22	70.1	103	27.7	10.9	387	2.39	21.7	0.9	1.4	3.1	68.2	0.27	0.64	0.17	28	5.67	0.040
1346026	Soil	0.53	28.54	25.20	162.3	101	32.5	9.5	137	2.32	5.6	1.4	1.3	3.4	56.2	0.36	0.23	0.22	21	2.51	0.080
1346027	Soil	0.51	27.71	21.79	168.9	114	30.6	9.6	277	2.39	6.6	1.4	2.0	4.2	67.9	0.58	0.31	0.23	25	2.90	0.062
1346028	Soil	0.54	22.56	19.20	160.9	78	27.3	8.2	199	2.23	5.8	1.2	4.1	2.8	63.2	0.46	0.36	0.20	20	3.00	0.086
1346029	Soil	1.53	19.43	23.97	72.2	24	25.6	12.3	321	2.88	15.8	1.2	0.7	4.0	24.7	0.33	0.84	0.22	38	2.02	0.030
1346030	Soil	0.91	16.27	12.59	60.0	75	19.5	7.8	294	1.81	31.1	0.9	1.5	1.9	108.2	0.28	0.41	0.13	24	8.48	0.044
1346031	Soil	1.11	15.10	13.49	62.2	81	18.7	7.8	327	1.88	21.2	0.9	2.1	1.3	105.2	0.33	0.56	0.12	27	9.63	0.056
1346032	Soil	0.96	18.19	13.91	68.5	140	24.3	9.6	369	2.29	15.4	0.7	2.8	2.0	47.5	0.25	0.53	0.15	37	4.65	0.056
1346033	Soil	1.07	22.30	18.05	70.4	180	25.6	11.1	524	2.56	14.4	0.8	2.5	2.1	30.6	0.19	0.67	0.21	37	2.33	0.046
1346034	Soil	0.68	9.05	6.47	48.6	55	12.7	3.9	135	0.97	36.4	1.1	2.9	1.1	298.5	0.29	0.31	0.04	27	11.51	0.052
1346035	Soil	0.94	14.01	12.45	54.2	99	17.0	7.1	454	1.88	14.1	0.7	1.3	0.8	67.2	0.32	0.54	0.09	26	7.90	0.048
1346036	Soil	0.87	18.81	13.77	64.3	174	21.3	9.7	483	2.18	13.2	0.8	1.4	1.0	32.5	0.28	0.68	0.18	34	2.79	0.068
1346037	Soil	1.28	27.38	18.21	82.8	190	29.5	11.2	448	2.57	35.3	0.8	3.8	2.8	126.5	0.26	0.76	0.14	43	4.79	0.060
1346038	Soil	0.97	13.33	50.49	150.3	201	21.1	8.9	886	2.41	12.4	1.8	3.1	1.9	34.1	0.40	0.52	0.15	39	5.32	0.129
1346039	Soil	0.89	15.59	24.37	87.9	169	23.3	9.6	1081	2.58	10.6	1.8	1.0	3.8	22.4	0.22	0.64	0.20	30	2.21	0.099
1346040	Soil	1.47	20.94	29.66	104.5	165	25.6	10.1	430	2.94	11.6	1.4	<0.2	2.9	19.5	0.15	0.67	0.26	25	0.18	0.067
1346041	Soil	1.12	15.94	20.18	156.5	161	13.3	9.6	780	2.93	8.2	1.6	0.5	0.5	15.0	0.32	0.45	0.28	36	0.24	0.076
1346042	Soil	0.56	21.69	17.30	79.2	123	28.5	11.8	320	2.67	7.2	2.4	1.5	5.6	29.2	0.13	0.45	0.15	35	0.41	0.032
1346043	Soil	1.03	18.78	20.41	81.2	109	23.9	9.7	348	2.77	9.9	5.2	1.6	3.0	62.3	0.21	0.58	0.19	39	0.75	0.053
1346044	Soil	0.61	21.26	13.42	73.4	156	24.4	9.3	414	2.39	7.9	5.0	2.9	3.5	35.1	0.17	0.37	0.16	40	0.64	0.043
1346045	Soil	0.78	23.51	13.69	73.9	70	22.6	9.3	448	2.51	7.0	2.2	3.0	1.8	30.8	0.12	0.47	0.21	44	0.49	0.099



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346016	Soil	6.2	6.2	8.41	45.3	0.004	2	0.26	0.011	0.03	<0.1	0.8	0.09	<0.02	72	0.2	<0.02	0.6	
1346017	Soil	8.4	10.0	5.97	72.1	0.007	4	0.40	0.014	0.06	<0.1	1.5	0.23	<0.02	22	0.2	<0.02	1.1	
1346018	Soil	9.1	12.3	5.28	59.2	0.005	6	0.46	0.010	0.07	<0.1	1.9	0.12	<0.02	17	0.1	<0.02	1.3	
1346019	Soil	6.9	9.8	4.47	62.7	0.008	3	0.40	0.012	0.06	<0.1	1.6	0.21	<0.02	19	0.2	<0.02	1.2	
1346020	Soil	11.1	18.8	3.58	180.2	0.008	5	1.07	0.011	0.10	0.1	2.6	0.83	<0.02	48	0.3	<0.02	2.7	
1346021	Soil	16.0	24.2	2.04	215.6	0.009	4	1.36	0.010	0.11	0.1	3.5	0.58	<0.02	67	0.2	0.02	3.6	
1346022	Soil	9.6	14.5	3.58	111.1	0.006	5	0.89	0.010	0.11	<0.1	2.6	0.38	<0.02	28	0.1	<0.02	2.1	
1346023	Soil	11.6	20.5	2.87	187.5	0.009	4	1.26	0.010	0.13	<0.1	3.5	0.36	<0.02	61	0.1	<0.02	3.1	
1346024	Soil	10.2	20.9	3.18	235.1	0.005	5	1.25	0.009	0.15	<0.1	3.5	1.24	<0.02	53	0.3	0.03	3.1	
1346025	Soil	12.0	21.0	3.26	170.5	0.010	4	1.20	0.011	0.14	<0.1	3.7	0.59	<0.02	60	0.2	0.03	3.0	
1346026	Soil	15.8	28.6	1.65	142.6	0.007	7	1.45	0.008	0.17	<0.1	4.5	0.21	<0.02	63	0.6	0.03	4.5	
1346027	Soil	17.4	29.0	1.52	195.2	0.007	8	1.49	0.008	0.15	<0.1	5.7	0.24	<0.02	83	0.8	<0.02	4.4	
1346028	Soil	13.1	22.5	1.93	132.7	0.008	8	1.21	0.005	0.13	<0.1	3.7	0.18	0.08	39	0.5	<0.02	3.5	
1346029	Soil	15.4	24.7	1.30	150.8	0.005	4	1.61	0.002	0.11	<0.1	4.6	0.33	0.03	34	0.2	<0.02	4.4	
1346030	Soil	8.2	14.4	5.37	149.5	0.007	6	0.86	0.011	0.11	<0.1	2.5	1.55	<0.02	28	0.1	0.03	2.0	
1346031	Soil	10.0	16.0	5.20	126.9	0.009	7	0.92	0.009	0.11	<0.1	2.6	0.36	<0.02	45	0.3	<0.02	2.6	
1346032	Soil	13.0	22.2	2.80	198.5	0.014	4	1.28	0.009	0.09	0.1	3.3	0.22	<0.02	62	0.2	<0.02	3.5	
1346033	Soil	14.4	24.7	1.43	270.4	0.011	3	1.40	0.005	0.08	0.2	3.5	0.25	0.03	71	0.2	0.02	4.0	
1346034	Soil	8.2	10.3	7.11	72.4	0.005	7	0.43	0.014	0.08	<0.1	1.5	0.29	<0.02	21	0.3	<0.02	1.4	
1346035	Soil	9.1	14.8	4.95	114.7	0.007	4	0.96	0.010	0.08	<0.1	2.0	0.20	<0.02	36	0.2	<0.02	2.2	
1346036	Soil	13.2	21.4	1.44	201.7	0.012	3	1.17	0.007	0.06	0.2	2.4	0.17	0.05	67	0.3	0.02	3.2	
1346037	Soil	16.6	27.2	2.78	233.2	0.021	6	1.43	0.009	0.14	0.1	3.9	0.66	<0.02	62	<0.1	<0.02	4.1	
1346038	Soil	16.5	22.9	3.51	189.6	0.015	3	1.59	0.008	0.10	0.1	3.3	0.30	<0.02	51	0.1	0.06	3.6	
1346039	Soil	18.2	23.1	1.56	132.9	0.010	2	1.28	0.004	0.08	0.1	4.4	0.23	0.02	33	<0.1	<0.02	3.0	
1346040	Soil	12.7	22.3	0.44	104.9	0.005	3	1.22	<0.001	0.12	<0.1	3.4	0.24	0.04	45	0.2	0.03	3.7	
1346041	Soil	8.7	19.0	0.26	114.6	0.006	5	1.22	<0.001	0.17	<0.1	1.2	0.12	0.04	26	0.1	0.03	5.6	
1346042	Soil	22.8	40.2	1.64	100.9	0.010	4	1.73	<0.001	0.12	<0.1	5.7	0.16	<0.02	41	0.3	<0.02	6.2	
1346043	Soil	16.6	33.1	1.16	154.7	0.006	2	1.83	<0.001	0.08	<0.1	4.7	0.16	0.04	46	0.2	<0.02	6.0	
1346044	Soil	27.4	42.8	1.90	133.4	0.015	2	1.80	<0.001	0.07	<0.1	5.3	0.12	0.03	81	0.6	<0.02	6.2	
1346045	Soil	18.0	34.5	0.99	323.9	0.013	2	1.73	0.002	0.08	0.1	3.6	0.20	0.05	91	0.5	0.05	6.0	

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346046	Soil	0.59	16.98	12.25	61.8	133	22.2	7.6	156	2.31	6.1	2.4	1.6	3.8	20.3	0.05	0.42	0.17	37	0.29	0.073
1346047	Soil	0.66	24.87	12.24	85.1	74	27.5	10.4	432	2.95	7.8	1.6	1.7	3.5	25.8	0.22	0.33	0.21	38	0.31	0.048
1346048	Soil	0.62	25.59	12.00	95.6	69	29.0	9.4	260	2.81	10.9	1.9	2.2	3.3	72.1	0.11	0.38	0.15	43	0.61	0.062
1346049	Soil	0.76	25.74	17.08	76.2	82	25.4	11.4	418	2.76	6.9	1.7	3.2	4.8	49.2	0.24	0.38	0.15	42	0.76	0.057
1346050	Soil	0.56	24.04	13.20	74.0	119	24.2	8.8	327	2.38	5.7	3.3	2.3	1.9	49.2	0.36	0.33	0.15	35	1.26	0.088
1346801	Soil	0.62	25.94	18.54	98.8	153	21.9	10.7	575	2.08	6.6	1.4	1.1	1.3	61.3	0.27	0.55	0.17	24	2.11	0.074
1346802	Soil	1.18	27.24	21.77	81.6	123	26.1	16.7	658	2.95	11.5	1.1	0.7	1.4	50.6	0.13	0.58	0.14	32	2.38	0.093
1346803	Rock Pulp	<0.01	2.82	0.20	3.8	16	0.8	0.9	17	0.27	0.3	<0.1	<0.2	<0.1	9.4	<0.01	<0.02	<0.02	9	0.09	0.025
1346804	Soil	1.32	10.89	21.72	100.6	34	15.6	6.8	364	2.55	12.2	2.5	1.2	2.5	27.2	0.32	0.43	0.27	44	0.75	0.053
1346805	Soil	1.53	15.45	20.51	82.6	108	29.3	12.0	1322	3.13	13.2	2.5	2.0	4.7	22.3	0.26	0.62	0.24	45	0.85	0.094
1346806	Soil	1.74	15.67	21.69	61.9	77	22.8	9.5	510	3.04	12.0	1.9	2.2	5.5	13.3	0.31	0.74	0.24	49	0.67	0.054
1346807	Soil	1.55	26.13	20.74	126.6	150	36.7	11.2	495	2.77	140.5	3.0	2.6	2.9	191.1	0.48	0.77	0.24	53	1.10	0.101
1346808	Soil	1.59	27.45	20.65	124.0	187	32.2	13.3	496	2.74	66.8	2.6	2.5	1.7	111.3	0.43	0.76	0.24	48	1.31	0.081
1346809	Soil	1.71	21.75	17.24	97.1	135	29.6	11.0	475	2.46	62.5	1.8	2.1	1.7	146.6	0.41	0.77	0.19	49	2.94	0.077
1346810	Soil	1.52	20.30	17.12	102.4	144	27.3	11.5	536	2.46	53.1	1.7	2.7	1.4	105.3	0.57	0.73	0.20	47	2.84	0.079
1346811	Soil	1.94	25.02	18.46	136.2	175	34.1	12.9	600	2.81	54.0	2.0	3.0	1.5	152.3	0.82	0.88	0.22	59	1.11	0.097
1346812	Soil	1.39	18.20	14.16	85.9	128	22.7	9.5	436	2.17	28.9	1.4	2.6	1.1	124.1	0.52	0.73	0.16	44	4.95	0.072
1346813	Soil	1.57	24.27	17.78	114.9	184	28.8	11.7	468	2.56	36.9	2.6	2.1	1.5	201.3	0.62	0.77	0.22	54	1.60	0.099
1346814	Soil	1.65	16.07	10.38	72.8	124	24.6	7.7	343	1.89	31.8	1.0	5.2	1.1	208.5	0.37	0.57	0.16	41	5.59	0.075
1346815	Soil	1.54	16.55	11.00	81.3	134	25.4	8.0	358	1.96	34.0	0.9	2.4	1.0	283.5	0.46	0.58	0.15	46	5.68	0.079
1346816	Soil	1.77	20.74	13.09	98.9	166	31.7	8.2	367	2.00	45.8	1.1	2.8	1.6	561.0	0.48	0.79	0.18	62	3.72	0.121
1346817	Soil	1.41	17.89	11.52	86.0	152	26.4	8.6	409	2.17	27.3	0.8	2.2	0.8	135.9	0.43	0.61	0.16	45	3.49	0.080
1346818	Soil	1.55	19.13	13.08	118.0	175	29.4	9.4	516	2.34	32.2	2.0	2.1	0.9	176.1	0.65	0.70	0.20	53	2.36	0.087
1346819	Soil	1.93	21.14	14.32	130.2	174	34.2	9.3	473	2.44	47.4	1.4	2.0	1.0	300.6	0.62	0.80	0.20	60	2.10	0.096
1346820	Soil	1.98	22.16	14.72	132.2	173	32.6	10.3	518	2.47	33.5	1.6	1.9	0.8	186.8	0.62	0.73	0.21	52	1.51	0.091
1346821	Soil	2.60	20.22	14.07	106.9	186	29.3	9.4	490	2.28	30.1	2.9	1.8	0.8	105.6	0.58	0.61	0.19	43	1.76	0.083
1346822	Soil	2.06	21.06	15.29	119.5	155	33.3	10.8	425	2.59	37.9	1.8	1.6	1.1	149.1	0.49	0.73	0.21	51	1.29	0.076
1346823	Soil	1.88	20.32	15.23	118.8	156	31.5	11.1	562	2.64	32.3	2.0	1.6	0.9	108.9	0.65	0.68	0.21	49	1.28	0.082
1346824	Soil	1.46	17.87	13.52	87.4	143	24.7	9.8	443	2.38	28.3	2.0	1.9	1.0	103.8	0.38	0.58	0.17	41	3.64	0.066
1346825	Soil	1.06	16.68	13.02	64.5	117	22.8	8.6	415	2.18	10.6	0.9	2.0	2.6	51.8	0.18	0.46	0.13	29	5.30	0.047



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CERTIFICATE OF ANALYSIS

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346046	Soil	20.2	29.7	0.91	253.2	0.017	2	1.62	0.003	0.06	0.1	4.1	0.13	<0.02	40	0.5	<0.02	5.0
1346047	Soil	21.8	39.0	0.42	134.9	0.006	2	1.04	<0.001	0.06	<0.1	5.1	0.23	<0.02	34	1.4	0.03	3.7
1346048	Soil	25.8	43.0	0.82	103.5	0.010	6	1.37	0.001	0.10	<0.1	6.3	0.29	0.04	28	0.8	<0.02	4.4
1346049	Soil	24.9	43.8	1.33	119.9	0.010	6	1.75	<0.001	0.14	<0.1	8.0	0.26	0.05	48	1.1	<0.02	5.6
1346050	Soil	26.9	37.3	1.08	121.5	0.009	6	1.56	0.001	0.16	<0.1	4.6	0.16	0.07	66	0.8	<0.02	4.9
1346801	Soil	8.9	17.2	0.49	127.7	0.004	7	1.13	0.004	0.11	<0.1	3.5	0.13	0.10	94	0.4	0.06	3.1
1346802	Soil	15.4	17.1	0.61	99.6	0.004	7	0.94	0.003	0.13	<0.1	5.0	0.16	0.10	63	0.3	<0.02	2.6
1346803	Rock Pulp	1.1	0.7	0.02	14.2	0.014	<1	0.13	0.060	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.6
1346804	Soil	16.4	24.7	0.43	133.2	0.008	3	1.45	0.001	0.08	0.1	3.1	0.20	0.03	25	0.1	<0.02	5.7
1346805	Soil	25.0	31.8	0.76	224.9	0.012	2	1.90	0.002	0.08	0.1	6.9	0.20	0.03	28	0.3	0.04	5.1
1346806	Soil	19.3	31.1	0.60	110.0	0.010	2	2.19	<0.001	0.08	0.1	4.7	0.19	0.02	31	0.1	0.03	5.4
1346807	Soil	19.4	31.4	0.74	168.6	0.009	8	1.56	0.003	0.15	<0.1	4.0	0.65	0.05	63	0.3	<0.02	4.6
1346808	Soil	15.8	27.2	0.59	192.0	0.008	4	1.50	0.003	0.12	0.1	3.4	2.11	0.06	53	0.4	0.05	4.3
1346809	Soil	15.5	24.1	1.61	169.1	0.009	5	1.34	0.005	0.10	<0.1	3.4	1.38	0.05	59	0.4	<0.02	3.9
1346810	Soil	14.4	23.7	1.31	163.9	0.010	5	1.35	0.005	0.09	<0.1	3.1	0.85	0.06	70	0.2	0.04	3.6
1346811	Soil	18.5	28.3	0.47	186.5	0.012	6	1.48	0.005	0.10	0.1	3.3	0.45	0.07	61	0.3	0.05	4.3
1346812	Soil	13.4	20.7	2.39	134.4	0.010	4	1.16	0.007	0.08	<0.1	2.6	0.23	0.05	46	0.3	<0.02	2.8
1346813	Soil	17.8	27.6	0.57	188.8	0.010	6	1.47	0.005	0.10	<0.1	3.0	0.42	0.07	68	0.3	0.02	4.0
1346814	Soil	10.8	17.5	3.02	125.7	0.009	6	1.02	0.010	0.09	0.1	2.3	0.43	0.02	48	0.3	0.03	2.7
1346815	Soil	12.0	18.3	2.99	123.1	0.008	6	1.06	0.009	0.09	<0.1	2.3	0.42	0.05	40	0.3	0.04	2.9
1346816	Soil	16.4	20.1	1.83	137.7	0.007	7	1.15	0.007	0.10	0.1	2.7	0.45	0.06	65	0.4	0.05	3.2
1346817	Soil	11.9	21.0	1.77	245.5	0.007	4	1.18	0.007	0.08	<0.1	2.1	0.32	0.07	50	0.4	0.02	3.3
1346818	Soil	12.3	21.7	0.88	164.6	0.008	4	1.25	0.006	0.08	0.1	2.3	0.33	0.08	68	0.5	0.03	3.9
1346819	Soil	15.4	23.7	0.84	165.1	0.008	5	1.31	0.006	0.10	0.1	2.5	0.49	0.08	65	0.5	0.04	4.0
1346820	Soil	13.6	22.6	0.62	148.0	0.008	5	1.29	0.006	0.10	0.1	2.3	0.56	0.09	60	0.5	0.03	3.9
1346821	Soil	12.1	21.0	0.57	143.1	0.007	5	1.25	0.006	0.10	<0.1	2.3	0.62	0.10	82	0.5	0.05	3.7
1346822	Soil	13.9	23.6	0.59	165.2	0.007	4	1.40	0.005	0.10	0.1	3.1	0.73	0.06	70	0.5	0.04	4.3
1346823	Soil	12.8	24.2	0.48	158.4	0.008	4	1.41	0.005	0.10	0.1	2.7	0.48	0.07	66	0.4	0.05	4.4
1346824	Soil	10.6	21.6	1.83	142.5	0.007	3	1.31	0.006	0.10	0.1	2.7	0.34	0.06	60	0.5	0.04	3.7
1346825	Soil	10.5	18.4	3.34	114.7	0.012	3	1.03	0.009	0.09	<0.1	3.2	0.17	<0.02	43	0.2	<0.02	2.9

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CERTIFICATE OF ANALYSIS

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346826	Soil	1.48	14.00	19.47	66.1	59	21.2	8.3	505	2.83	13.4	2.0	0.7	2.5	39.3	0.23	0.42	0.24	34	2.97	0.054
1346827	Soil	1.11	18.10	14.98	84.8	188	27.9	9.7	470	2.62	12.9	1.2	2.7	2.9	25.6	0.16	0.58	0.20	37	1.95	0.060
1346828	Soil	1.40	15.63	26.05	90.8	52	29.0	13.5	947	2.99	20.3	2.6	1.1	4.3	22.4	0.26	0.49	0.24	36	1.24	0.051
1346829	Soil	0.55	8.87	6.75	33.5	29	12.2	4.4	149	1.10	17.2	0.8	0.7	1.5	85.1	0.15	0.20	0.08	15	11.68	0.026
1346830	Rock Pulp	0.02	2.28	0.23	3.2	12	0.6	0.6	13	0.16	0.3	<0.1	<0.2	<0.1	7.6	<0.01	<0.02	<0.02	6	0.11	0.021
1346831	Soil	2.06	21.35	15.09	97.6	103	26.2	9.1	379	2.53	26.4	1.0	1.3	1.5	114.5	0.38	1.00	0.15	54	5.35	0.069
1346832	Soil	1.10	17.13	13.68	74.3	116	24.3	9.9	364	2.53	14.2	0.7	1.0	2.3	64.8	0.27	0.68	0.13	42	5.91	0.050
1346833	Soil	1.64	22.70	20.41	126.4	110	30.5	13.5	671	3.37	16.8	0.5	1.5	2.6	21.1	0.43	0.82	0.21	46	2.63	0.036
1346834	Soil	1.06	21.98	15.69	78.8	108	24.0	10.7	463	2.63	11.6	0.5	1.3	2.1	41.6	0.28	0.69	0.14	32	5.89	0.044
1346835	Soil	1.62	25.50	16.83	95.2	106	24.4	9.9	378	2.31	13.0	1.1	1.4	1.7	60.2	0.25	0.71	0.14	26	3.88	0.059
1346836	Soil	0.53	23.40	13.46	114.0	92	27.7	9.5	309	2.23	4.6	3.3	2.1	2.5	88.7	0.28	0.30	0.15	25	2.60	0.064
1346837	Soil	0.77	16.43	34.95	104.8	84	16.9	8.6	587	2.39	8.1	1.1	1.5	2.4	27.9	0.33	0.55	0.13	25	4.93	0.052
1346838	Soil	0.43	23.51	14.20	77.2	83	32.1	10.8	312	2.39	4.7	1.7	2.7	4.3	264.6	0.20	0.33	0.18	20	6.54	0.056
1346839	Soil	0.46	22.88	16.44	99.1	140	30.8	10.3	394	2.35	5.4	2.7	3.4	2.1	72.8	0.26	0.36	0.18	25	1.54	0.057
1346840	Soil	1.11	49.97	23.16	105.7	151	34.4	16.5	613	3.41	11.8	1.1	1.9	2.7	46.3	0.26	0.83	0.26	23	1.68	0.049
1346841	Soil	1.16	34.13	26.64	124.6	151	31.9	16.6	623	3.53	10.2	1.1	1.7	2.8	47.9	0.25	0.82	0.23	24	1.38	0.046
1346842	Soil	1.06	43.23	21.85	101.2	128	29.2	15.5	491	3.24	10.2	1.1	1.5	2.3	64.7	0.23	0.81	0.23	22	1.28	0.041
1346843	Soil	0.74	50.75	18.06	91.3	128	31.2	12.9	462	2.65	7.1	5.1	1.8	2.0	130.6	0.30	0.72	0.21	20	1.57	0.048
1346844	Soil	0.84	39.79	24.36	107.3	128	31.9	18.0	576	3.55	11.7	0.9	1.1	2.6	53.5	0.24	1.34	0.22	24	1.31	0.032
1346845	Soil	0.75	34.84	19.09	106.9	123	28.4	13.2	427	2.92	9.5	1.2	2.7	2.4	69.9	0.22	0.87	0.18	26	1.56	0.043



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CERTIFICATE OF ANALYSIS

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1346826	Soil	16.3	23.7	1.74	140.5	0.004	2	1.46	0.003	0.09	<0.1	5.1	0.23	0.03	33	0.4	0.04	4.7	
1346827	Soil	15.0	25.7	1.51	202.2	0.016	2	1.36	0.008	0.09	0.2	4.4	0.17	<0.02	58	0.3	0.03	4.3	
1346828	Soil	16.9	29.2	1.07	152.7	0.007	3	1.57	0.003	0.10	0.1	5.9	0.27	0.03	52	0.3	0.02	4.6	
1346829	Soil	6.5	10.2	6.71	45.4	0.004	3	0.42	0.010	0.08	<0.1	2.1	0.55	<0.02	17	0.2	0.02	1.5	
1346830	Rock Pulp	0.9	0.7	0.01	14.6	0.010	<1	0.12	0.061	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.5	
1346831	Soil	10.0	19.7	3.36	103.4	0.005	4	1.26	0.007	0.12	<0.1	2.9	0.24	0.04	30	0.4	0.05	3.4	
1346832	Soil	9.2	16.8	4.02	96.3	0.009	3	1.22	0.006	0.09	0.1	3.2	0.12	<0.02	43	0.2	0.03	3.1	
1346833	Soil	12.7	26.0	2.02	158.4	0.004	2	1.85	0.004	0.11	<0.1	4.5	0.18	0.03	45	0.3	0.04	5.0	
1346834	Soil	8.5	17.7	4.03	116.0	0.006	3	1.36	0.006	0.12	<0.1	3.3	0.15	<0.02	47	0.3	0.02	3.3	
1346835	Soil	7.9	17.3	2.31	109.0	0.006	4	1.11	0.006	0.11	<0.1	3.4	0.29	0.04	76	0.3	0.04	3.1	
1346836	Soil	13.5	30.1	2.12	149.1	0.009	6	1.46	0.004	0.14	<0.1	4.4	1.04	0.05	52	1.1	0.02	4.8	
1346837	Soil	9.1	17.5	3.32	84.8	0.004	2	1.09	0.005	0.09	<0.1	4.3	0.18	0.02	38	0.3	0.02	2.9	
1346838	Soil	12.3	26.6	1.19	96.4	0.008	3	1.37	0.005	0.10	<0.1	4.8	0.09	<0.02	30	0.2	<0.02	4.0	
1346839	Soil	13.7	27.3	0.86	159.3	0.008	3	1.36	0.004	0.08	<0.1	5.0	0.10	0.05	81	0.7	0.03	4.3	
1346840	Soil	6.2	19.8	0.88	118.7	0.002	4	1.35	0.003	0.15	<0.1	5.8	0.15	0.05	103	0.4	0.04	4.1	
1346841	Soil	5.2	19.6	0.86	106.5	0.002	4	1.24	0.004	0.13	<0.1	5.9	0.16	0.06	79	0.4	0.03	3.8	
1346842	Soil	5.6	18.6	0.59	130.8	0.002	4	1.25	0.003	0.14	<0.1	5.9	0.14	0.06	68	0.5	<0.02	3.8	
1346843	Soil	7.2	18.2	0.58	159.9	0.003	6	1.15	0.003	0.13	<0.1	4.9	0.14	0.06	93	1.3	0.03	3.5	
1346844	Soil	5.4	20.0	0.82	115.7	0.002	4	1.26	0.003	0.14	<0.1	6.5	0.19	0.07	93	0.4	<0.02	3.9	
1346845	Soil	10.5	26.4	0.96	204.1	0.004	6	1.36	0.004	0.13	<0.1	6.1	0.16	0.05	69	0.6	0.03	4.3	



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QUALITY CONTROL REPORT

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
613887	Soil	0.58	22.86	81.32	452.4	372	25.9	13.8	744	3.47	8.3	0.8	2.8	5.4	22.8	1.87	0.70	0.45	10	0.89	0.048
REP 613887	QC	0.63	22.64	81.13	432.7	377	25.8	13.3	740	3.43	8.4	0.8	2.6	5.3	22.6	1.83	0.69	0.43	10	0.91	0.048
613897	Soil	0.71	7.49	4.78	20.0	34	10.5	3.7	127	0.82	26.1	0.9	<0.2	1.1	98.6	0.12	0.21	0.05	12	18.20	0.020
REP 613897	QC	0.82	7.61	4.95	19.9	36	10.9	3.9	125	0.87	27.3	0.9	<0.2	1.1	116.0	0.12	0.22	0.05	12	19.25	0.021
1346073	Soil	1.33	25.42	25.52	83.3	124	27.4	11.6	458	2.64	17.3	1.3	2.8	5.3	67.7	0.32	0.66	0.20	28	5.12	0.064
REP 1346073	QC	1.29	25.04	24.81	84.9	124	27.3	11.7	452	2.60	17.2	1.2	1.8	5.0	66.4	0.23	0.64	0.19	28	5.07	0.064
1346083	Soil	1.26	4.66	3.47	17.6	20	7.7	2.7	74	0.74	15.6	1.8	<0.2	1.1	179.8	0.04	0.27	<0.02	26	21.54	0.050
REP 1346083	QC	1.26	4.46	3.37	18.7	18	7.2	2.5	74	0.74	15.5	1.8	0.4	1.2	177.1	0.05	0.26	0.02	26	21.84	0.050
1346906	Soil	1.08	9.31	8.96	51.7	76	14.9	6.2	295	1.75	7.8	0.3	2.1	0.7	45.7	0.25	0.35	0.13	20	9.56	0.037
REP 1346906	QC	1.09	9.11	8.82	51.0	81	14.1	5.6	294	1.68	7.4	0.3	1.6	0.7	48.2	0.25	0.34	0.10	19	9.15	0.035
1346916	Soil	0.88	8.58	7.15	28.0	89	12.7	4.5	179	1.38	5.9	0.3	0.9	0.8	67.5	0.14	0.32	0.07	18	12.56	0.029
REP 1346916	QC	0.89	9.16	7.29	27.1	89	13.5	4.9	183	1.38	5.6	0.4	2.2	0.8	71.3	0.15	0.35	0.07	19	12.71	0.028
1346942	Soil	1.84	30.65	15.83	103.4	140	32.9	12.7	474	2.93	50.5	1.7	2.7	1.6	104.1	0.27	0.65	0.19	55	1.14	0.086
REP 1346942	QC	1.88	32.19	16.43	103.6	144	33.2	12.2	490	2.87	50.2	1.7	2.7	1.6	100.1	0.28	0.67	0.19	54	1.31	0.086
1346102	Soil	1.49	25.87	17.74	80.0	127	27.8	12.4	663	3.09	20.1	1.0	2.3	2.0	36.6	0.32	0.84	0.18	40	3.74	0.057
REP 1346102	QC	1.50	24.76	17.35	78.4	131	26.7	11.7	635	2.99	20.2	1.0	2.3	1.9	34.9	0.33	0.80	0.17	39	3.65	0.054
1346770	Soil	0.90	8.48	74.42	191.6	100	11.8	5.0	2423	2.63	7.8	1.7	1.5	0.7	20.3	0.67	0.37	0.13	23	4.73	0.101
REP 1346770	QC	0.91	9.16	79.08	204.6	108	12.3	5.3	2586	2.79	8.1	1.9	1.2	0.7	22.0	0.64	0.36	0.13	24	5.47	0.107
1346780	Soil	1.11	19.80	12.77	71.9	102	30.7	11.6	451	3.47	5.1	0.6	<0.2	1.7	51.7	0.08	0.36	0.18	45	1.03	0.086
REP 1346780	QC	1.29	21.28	13.35	75.4	80	31.0	12.6	494	3.61	5.3	0.7	0.7	1.8	53.9	0.10	0.40	0.17	47	1.08	0.087
1346706	Soil	1.39	17.32	138.4	136.8	47	21.0	8.3	1268	3.29	10.6	1.4	5.5	3.3	10.9	0.39	0.58	0.52	28	1.02	0.113
REP 1346706	QC	1.31	17.65	144.8	135.8	58	21.3	8.5	1308	3.39	10.7	1.3	3.6	3.6	10.7	0.33	0.58	0.48	28	1.03	0.122
1346716	Soil	0.85	10.00	55.07	233.5	126	14.0	5.7	1438	2.10	6.6	1.5	2.3	1.2	41.0	0.73	0.36	0.08	19	8.39	0.096
REP 1346716	QC	0.73	10.09	54.52	227.7	122	14.3	5.9	1436	2.10	6.6	1.5	2.7	1.2	41.0	0.73	0.37	0.07	19	8.24	0.104
1346742	Soil	4.31	23.83	15.50	79.7	27	67.9	18.0	61	3.87	14.1	1.4	4.0	2.6	78.1	0.46	0.39	0.19	7	11.09	0.013
REP 1346742	QC	4.36	23.73	15.10	81.3	25	66.9	18.6	57	3.92	14.1	1.4	1.2	2.6	74.3	0.42	0.33	0.17	6	11.18	0.013
1346002	Soil	1.30	6.92	11.05	31.7	41	10.0	5.5	269	1.45	7.8	0.5	0.4	1.1	50.7	0.12	0.57	0.08	26	11.35	0.021
REP 1346002	QC	1.16	6.39	10.14	28.8	36	8.8	4.8	248	1.29	6.9	0.5	0.4	1.0	49.6	0.13	0.48	0.05	23	11.79	0.019

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn		
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01		
Pulp Duplicates																				
613887	Soil	4.0	8.6	0.45	71.7	0.001	4	0.43	0.004	0.16	<0.1	3.6	0.23	0.18	144	0.4	0.05	1.5		
REP 613887	QC	3.9	8.0	0.46	69.8	<0.001	3	0.45	0.004	0.16	<0.1	3.4	0.24	0.18	130	0.3	0.05	1.6		
613897	Soil	4.3	7.2	6.92	46.6	0.005	4	0.29	0.010	0.06	<0.1	1.4	0.19	<0.02	24	0.3	0.02	0.8		
REP 613897	QC	4.5	7.4	7.28	48.1	0.005	4	0.33	0.011	0.07	<0.1	1.4	0.20	<0.02	17	0.3	0.02	0.9		
1346073	Soil	19.3	22.4	2.35	125.2	0.012	5	1.21	0.008	0.12	0.1	4.8	0.26	0.02	31	<0.1	0.03	2.9		
REP 1346073	QC	19.1	22.1	2.30	121.4	0.012	4	1.13	0.008	0.13	<0.1	4.7	0.26	<0.02	40	<0.1	0.04	3.1		
1346083	Soil	5.8	7.2	5.50	32.2	0.006	4	0.25	0.012	0.05	<0.1	1.0	0.14	<0.02	30	0.1	<0.02	0.8		
REP 1346083	QC	5.7	7.6	5.50	30.6	0.006	5	0.25	0.012	0.05	<0.1	1.0	0.12	<0.02	24	0.2	<0.02	0.8		
1346906	Soil	8.6	12.4	4.92	110.1	0.006	3	0.78	0.007	0.06	<0.1	1.8	0.12	0.04	22	0.2	<0.02	1.7		
REP 1346906	QC	8.2	12.4	4.71	108.1	0.005	2	0.73	0.006	0.05	<0.1	1.8	0.11	0.03	21	0.2	<0.02	1.7		
1346916	Soil	7.9	10.6	6.94	91.8	0.004	2	0.33	0.009	0.04	<0.1	2.3	0.10	<0.02	24	0.4	<0.02	1.0		
REP 1346916	QC	8.2	10.8	6.97	93.1	0.005	2	0.35	0.009	0.04	<0.1	2.4	0.11	<0.02	25	0.4	<0.02	1.0		
1346942	Soil	12.7	28.8	0.49	195.1	0.005	4	1.50	0.005	0.12	0.1	3.8	0.42	<0.02	97	0.5	<0.02	4.6		
REP 1346942	QC	12.6	28.6	0.55	195.6	0.005	4	1.45	0.006	0.12	0.1	3.6	0.40	<0.02	99	0.5	0.03	4.5		
1346102	Soil	11.9	20.7	2.00	135.3	0.009	4	1.29	0.009	0.09	<0.1	4.4	0.19	0.03	72	<0.1	<0.02	3.1		
REP 1346102	QC	11.8	20.0	1.99	134.3	0.009	3	1.26	0.009	0.08	0.1	4.2	0.18	<0.02	60	0.1	<0.02	3.0		
1346770	Soil	10.2	13.9	2.88	63.4	0.006	1	1.07	0.005	0.03	<0.1	1.9	0.30	0.05	50	0.3	<0.02	2.3		
REP 1346770	QC	10.6	14.4	3.32	68.9	0.007	2	1.13	0.005	0.03	<0.1	1.9	0.31	0.04	47	0.3	<0.02	2.5		
1346780	Soil	26.7	26.6	0.78	187.3	0.004	5	2.15	0.002	0.15	<0.1	4.7	0.23	0.05	37	0.2	<0.02	5.7		
REP 1346780	QC	28.4	27.4	0.80	202.9	0.004	5	2.20	0.002	0.15	<0.1	5.1	0.21	0.05	31	0.4	0.03	6.3		
1346706	Soil	15.6	22.7	0.66	121.4	0.003	3	1.34	0.001	0.08	0.1	4.6	0.43	0.04	54	0.5	<0.02	3.2		
REP 1346706	QC	15.7	23.4	0.68	124.6	0.003	2	1.36	0.001	0.08	0.1	4.6	0.43	0.04	60	0.4	0.04	3.4		
1346716	Soil	7.3	11.5	5.76	58.5	0.008	2	0.71	0.009	0.03	0.1	1.7	0.40	0.03	40	0.1	0.06	1.6		
REP 1346716	QC	7.0	11.1	5.82	59.1	0.007	2	0.71	0.008	0.03	<0.1	1.4	0.39	0.03	40	0.5	0.02	1.7		
1346742	Soil	4.2	7.7	6.23	66.6	<0.001	5	0.45	0.014	0.13	<0.1	5.0	1.93	<0.02	65	0.1	<0.02	0.7		
REP 1346742	QC	4.2	7.4	6.29	66.9	<0.001	4	0.44	0.014	0.13	<0.1	5.3	1.96	<0.02	68	0.1	<0.02	0.7		
1346002	Soil	7.7	12.0	7.09	72.4	0.007	3	0.89	0.009	0.06	<0.1	2.1	0.16	<0.02	26	0.2	0.03	1.9		
REP 1346002	QC	6.9	10.3	6.16	66.9	0.007	3	0.80	0.008	0.06	<0.1	2.0	0.15	<0.02	27	<0.1	<0.02	1.7		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.

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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000522.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1346028	Soil	0.54	22.56	19.20	160.9	78	27.3	8.2	199	2.23	5.8	1.2	4.1	2.8	63.2	0.46	0.36	0.20	20	3.00	0.086
REP 1346028	QC	0.53	23.07	18.59	152.7	81	26.6	8.2	193	2.18	5.7	1.2	1.7	2.8	60.1	0.43	0.34	0.18	19	2.92	0.085
1346031	Soil	1.11	15.10	13.49	62.2	81	18.7	7.8	327	1.88	21.2	0.9	2.1	1.3	105.2	0.33	0.56	0.12	27	9.63	0.056
REP 1346031	QC	1.15	14.68	13.96	62.2	85	17.8	7.8	330	1.88	21.0	0.9	4.1	1.2	105.3	0.29	0.55	0.09	27	9.74	0.057
1346814	Soil	1.65	16.07	10.38	72.8	124	24.6	7.7	343	1.89	31.8	1.0	5.2	1.1	208.5	0.37	0.57	0.16	41	5.59	0.075
REP 1346814	QC	1.65	15.55	10.29	71.2	125	23.4	7.6	321	1.82	30.7	0.9	2.9	1.0	200.2	0.35	0.57	0.14	39	5.41	0.071
1346824	Soil	1.46	17.87	13.52	87.4	143	24.7	9.8	443	2.38	28.3	2.0	1.9	1.0	103.8	0.38	0.58	0.17	41	3.64	0.066
REP 1346824	QC	1.48	17.18	13.50	88.7	134	25.1	9.6	428	2.36	27.7	2.0	1.2	1.0	108.8	0.38	0.56	0.17	42	3.67	0.070
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard	12.24	106.9	120.5	298.5	1813	37.9	7.5	550	2.22	24.6	2.7	115.2	6.1	64.9	2.17	5.60	5.65	39	0.70	0.078
STD DS9	Standard	12.19	102.5	123.2	312.4	1878	37.5	7.2	580	2.24	24.7	2.6	122.1	6.2	66.1	2.38	6.06	5.96	38	0.69	0.082
STD DS9	Standard	12.07	93.95	123.5	296.8	1873	40.9	6.6	526	2.13	20.9	2.1	109.8	5.0	53.6	1.91	4.60	5.05	35	0.62	0.071
STD DS9	Standard	12.45	107.7	118.7	304.5	1823	38.8	7.5	557	2.21	24.5	2.6	128.5	6.1	68.5	2.32	5.60	6.43	38	0.71	0.084
STD DS9	Standard	12.38	109.5	122.4	313.3	1951	39.6	7.6	566	2.27	26.0	2.5	126.0	6.0	68.2	2.50	5.56	6.64	39	0.73	0.084
STD DS9	Standard	11.80	108.5	133.9	301.8	1823	39.3	7.2	565	2.22	25.6	2.7	122.8	6.2	70.6	2.37	6.02	7.31	38	0.69	0.080
STD DS9	Standard	13.25	110.2	122.5	315.9	1936	40.5	7.6	588	2.29	26.2	2.6	117.1	6.2	72.5	2.42	5.73	6.65	39	0.72	0.082
STD DS9	Standard	12.99	98.11	131.1	304.0	1923	42.0	7.0	575	2.14	21.1	2.3	126.3	5.4	71.5	2.01	5.06	5.59	36	0.71	0.074
STD DS9	Standard	12.99	107.8	115.3	312.7	1862	40.4	7.4	602	2.33	26.5	2.7	120.0	6.6	75.6	2.32	5.17	6.06	41	0.75	0.085
STD DS9	Standard	13.08	102.3	118.7	313.7	1924	41.0	7.7	599	2.28	25.7	2.4	136.6	6.5	67.3	2.36	5.48	5.72	38	0.72	0.080
STD DS9	Standard	13.43	107.2	131.3	323.2	2027	42.8	8.0	598	2.37	26.8	2.7	125.7	6.1	66.2	2.23	5.63	6.37	39	0.72	0.087
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD CDN-ME-9 Expected																					
STD CDN-ME-14 Expected																					
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.03	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.03	<0.001



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Project: CAR
 Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000522.1

		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	7TD Zn %	
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
1346028	Soil	13.1	22.5	1.93	132.7	0.008	8	1.21	0.005	0.13	<0.1	3.7	0.18	0.08	39	0.5	<0.02	3.5		
REP 1346028	QC	12.7	22.0	1.85	127.6	0.007	7	1.18	0.005	0.13	<0.1	3.8	0.17	0.08	49	0.4	<0.02	3.4		
1346031	Soil	10.0	16.0	5.20	126.9	0.009	7	0.92	0.009	0.11	<0.1	2.6	0.36	<0.02	45	0.3	<0.02	2.6		
REP 1346031	QC	10.2	16.6	5.27	125.1	0.009	9	0.93	0.009	0.11	<0.1	2.7	0.36	<0.02	36	0.2	0.08	2.5		
1346814	Soil	10.8	17.5	3.02	125.7	0.009	6	1.02	0.010	0.09	0.1	2.3	0.43	0.02	48	0.3	0.03	2.7		
REP 1346814	QC	10.4	16.4	2.93	120.1	0.008	6	0.96	0.009	0.08	0.1	2.2	0.42	0.05	50	0.4	0.02	2.6		
1346824	Soil	10.6	21.6	1.83	142.5	0.007	3	1.31	0.006	0.10	0.1	2.7	0.34	0.06	60	0.5	0.04	3.7		
REP 1346824	QC	10.7	21.4	1.87	142.3	0.007	4	1.35	0.006	0.10	<0.1	2.6	0.36	0.05	61	0.3	0.02	3.8		
Reference Materials																				
STD CDN-ME-9	Standard																			0.01
STD CDN-ME-14	Standard																			3.34
STD DS9	Standard	12.7	109.7	0.58	287.4	0.103	3	0.91	0.092	0.40	2.9	2.5	5.39	0.16	207	5.4	4.95	4.3		
STD DS9	Standard	12.8	113.5	0.61	297.9	0.106	3	0.95	0.091	0.42	3.1	2.6	5.56	0.16	212	5.1	4.79	4.7		
STD DS9	Standard	9.3	107.6	0.57	273.3	0.090	3	0.87	0.078	0.38	2.9	2.2	5.72	0.15	200	5.3	5.13	4.5		
STD DS9	Standard	13.8	115.2	0.60	295.2	0.105	3	0.95	0.088	0.39	3.0	2.7	5.62	0.16	210	5.5	5.11	4.5		
STD DS9	Standard	12.6	116.8	0.61	303.9	0.101	4	1.00	0.108	0.43	3.1	2.5	5.52	0.14	232	5.3	5.14	4.7		
STD DS9	Standard	11.5	110.3	0.62	275.5	0.099	3	0.90	0.085	0.40	3.0	2.2	5.76	0.17	211	5.4	4.93	4.3		
STD DS9	Standard	14.2	119.5	0.61	306.5	0.105	3	0.98	0.096	0.41	3.2	2.5	5.70	0.15	238	5.0	5.40	4.7		
STD DS9	Standard	11.5	115.4	0.61	293.0	0.114	2	0.93	0.097	0.39	3.0	2.5	5.90	0.16	229	5.4	5.35	4.9		
STD DS9	Standard	14.5	116.8	0.62	297.3	0.112	3	0.99	0.091	0.41	2.9	2.6	5.54	0.17	206	5.6	5.08	4.9		
STD DS9	Standard	12.5	117.4	0.61	304.0	0.107	4	0.95	0.087	0.39	3.1	2.5	5.76	0.16	230	5.5	5.03	5.1		
STD DS9	Standard	12.5	120.7	0.63	310.7	0.107	2	0.94	0.081	0.40	3.3	2.4	5.95	0.17	231	5.7	5.27	4.9		
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59		
STD CDN-ME-9 Expected																				0.0125
STD CDN-ME-14 Expected																				3.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		



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Vancouver BC V6C 3L6 Canada

Project: CAR
Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000522.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
BLK	Blank	<0.01	<0.01	0.04	0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.04	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	8	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	0.1	<2	0.2	<0.1	2	0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.06	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	0.2	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				



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Project: CAR
 Report Date: August 21, 2012

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QUALITY CONTROL REPORT

WHI12000522.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.02	<0.1	
BLK	Blank	<0.5	<0.5	0.03	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.01



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 02, 2012
Report Date: August 23, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000523.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-12
P.O. Number: NA-12359
Number of Samples: 12

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	12	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	12	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup



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



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CERTIFICATE OF ANALYSIS

WHI12000523.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1346955	Rock	2.28	0.14	0.59	1.09	13.7	<2	11.8	4.3	60	0.60	16.2	0.8	<0.2	0.6	113.8	0.05	0.02	<0.02	4	18.30
1346956	Rock	1.80	0.09	3.87	1.49	4.4	11	7.4	3.1	66	0.61	57.7	1.2	<0.2	1.8	119.9	0.02	0.13	<0.02	14	17.51
1303496	Rock	2.04	0.01	0.74	1.85	9.7	14	<0.1	1.3	306	0.33	7.5	0.7	<0.2	0.1	174.7	0.05	1.52	<0.02	4	36.35
1303497	Rock	2.66	0.10	3.91	2.79	11.2	11	<0.1	2.8	373	0.74	14.3	0.6	<0.2	0.6	249.9	0.04	1.25	<0.02	9	30.63
1303498	Rock	2.59	0.18	5.87	6.91	43.0	27	<0.1	2.3	294	0.73	5.2	0.6	<0.2	0.6	215.7	0.08	0.46	<0.02	9	32.75
1303499	Rock	1.70	0.07	1.63	10.61	69.7	19	<0.1	1.6	250	0.44	2.1	0.3	<0.2	0.2	62.1	0.12	0.15	<0.02	<2	30.47
1303500	Rock	1.44	0.15	8.00	9.64	13.7	22	<0.1	4.4	408	1.44	9.7	0.7	<0.2	1.0	81.8	0.06	0.79	0.03	8	29.53
1298587	Rock	1.81	0.24	0.89	424.1	303.9	24	<0.1	2.4	1463	17.60	1.8	0.6	<0.2	0.3	23.0	0.33	<0.02	<0.02	<2	12.29
1298588	Rock	2.44	2.45	1.64	6047	7673	40	<0.1	2.1	1124	14.18	3.9	0.8	<0.2	0.4	27.7	27.16	0.03	<0.02	<2	12.06
1298589	Rock	1.81	1.60	1.16	2.90	35.1	7	6.9	1.1	39	0.48	278.8	3.8	0.7	0.2	145.8	0.14	0.27	<0.02	6	33.50
1298596	Rock	1.24	0.06	6.81	4.15	15.3	19	4.6	3.4	185	0.96	5.1	0.5	<0.2	0.8	1118	0.06	0.05	0.02	7	34.68
1298597	Rock	1.56	0.43	6.25	5.44	36.9	15	7.5	8.8	>10000	1.93	2.1	0.3	1.0	1.4	85.6	0.16	0.09	0.04	10	12.53



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000523.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1346955	Rock	0.009	2.7	3.0	8.59	7.1	0.001	5	0.11	0.041	0.05	<0.1	0.9	0.02	<0.02	13	0.2	<0.02	0.3
1346956	Rock	0.015	4.6	8.7	7.75	54.4	0.002	9	0.31	0.028	0.19	<0.1	2.0	0.10	<0.02	<5	0.2	<0.02	1.0
1303496	Rock	0.008	0.7	1.3	0.23	10.0	<0.001	<1	0.01	0.005	<0.01	<0.1	1.2	0.03	<0.02	85	0.3	<0.02	<0.1
1303497	Rock	0.010	1.7	3.3	1.16	20.3	<0.001	3	0.12	0.006	0.07	<0.1	3.5	0.21	<0.02	495	0.3	<0.02	0.4
1303498	Rock	0.008	1.5	2.7	0.38	10.9	<0.001	1	0.07	0.005	0.05	<0.1	3.7	0.13	<0.02	713	0.4	0.02	0.3
1303499	Rock	0.007	<0.5	0.9	1.97	3.4	<0.001	<1	0.03	0.007	0.02	<0.1	0.6	0.06	<0.02	173	0.3	<0.02	0.1
1303500	Rock	0.016	1.4	3.6	0.75	19.0	<0.001	2	0.11	0.004	0.07	<0.1	2.7	0.34	<0.02	711	0.3	<0.02	0.4
1298587	Rock	0.031	1.5	1.0	3.41	3.8	<0.001	1	0.04	0.004	0.02	<0.1	0.6	33.76	5.76	78	0.1	<0.02	0.2
1298588	Rock	0.032	1.8	1.4	3.11	4.4	<0.001	1	0.05	0.007	0.03	<0.1	0.5	21.08	7.68	71	0.4	<0.02	0.6
1298589	Rock	0.004	1.3	1.5	2.87	19.6	<0.001	<1	0.03	0.003	0.01	<0.1	0.4	0.28	<0.02	16	<0.1	<0.02	<0.1
1298596	Rock	0.027	2.8	3.6	0.28	187.7	<0.001	2	0.12	0.009	0.06	<0.1	2.0	0.06	<0.02	32	0.1	<0.02	0.4
1298597	Rock	0.038	5.5	5.3	5.68	132.5	0.003	3	0.35	0.011	0.11	<0.1	3.6	0.05	<0.02	27	0.2	<0.02	1.4



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Project: CAR
 Report Date: August 23, 2012

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QUALITY CONTROL REPORT

WHI12000523.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
REP G1-WHI	QC	0.13	2.23	2.17	43.2	10	3.9	3.9	572	1.97	0.4	1.2	<0.2	4.2	58.0	<0.01	<0.02	0.04	36	0.53	
1298597	Rock	1.56	0.43	6.25	5.44	36.9	15	7.5	8.8	>10000	1.93	2.1	0.3	1.0	1.4	85.6	0.16	0.09	0.04	10	12.53
REP 1298597	QC	0.45	6.87	5.80	41.1	19	8.6	9.3	>10000	2.09	2.3	0.4	0.7	1.4	94.2	0.17	0.09	0.04	11	13.77	
Core Reject Duplicates																					
1303498	Rock	2.59	0.18	5.87	6.91	43.0	27	<0.1	2.3	294	0.73	5.2	0.6	<0.2	0.6	215.7	0.08	0.46	<0.02	9	32.75
DUP 1303498	QC	0.18	5.72	6.79	41.5	24	<0.1	2.5	285	0.71	5.2	0.6	<0.2	0.6	209.4	0.09	0.44	<0.02	9	32.81	
Reference Materials																					
STD DS9	Standard	14.47	101.2	137.6	304.4	1993	43.6	7.4	601	2.32	22.2	2.5	140.3	5.8	65.6	2.00	4.97	5.72	40	0.70	
STD DS9	Standard	13.44	110.6	128.7	303.6	1898	40.3	7.6	608	2.33	26.1	2.8	122.8	6.6	75.8	2.50	5.88	6.77	38	0.73	
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	
BLK	Blank	<0.01	<0.01	0.02	0.2	<2	0.1	<0.1	27	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.03	
Prep Wash																					
G1-WHI	Prep Blank	0.14	2.10	2.30	44.7	10	3.6	3.8	547	1.91	0.4	1.4	1.3	4.9	58.6	0.02	0.03	0.04	36	0.48	
G1-WHI	Prep Blank																				
G1-WHI	Prep Blank	0.14	2.28	2.20	42.0	9	3.7	3.8	550	1.86	0.3	1.2	0.3	4.3	56.0	<0.01	<0.02	0.04	34	0.50	



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Project: CAR
 Report Date: August 23, 2012

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QUALITY CONTROL REPORT

WHI12000523.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																			
REP G1-WHI	QC	0.070	9.9	5.8	0.52	123.6	0.117	<1	0.89	0.093	0.48	0.1	2.3	0.32	<0.02	<5	<0.1	<0.02	4.8
1298597	Rock	0.038	5.5	5.3	5.68	132.5	0.003	3	0.35	0.011	0.11	<0.1	3.6	0.05	<0.02	27	0.2	<0.02	1.4
REP 1298597	QC	0.039	6.0	5.2	6.19	140.2	0.003	2	0.39	0.012	0.12	<0.1	3.9	0.05	<0.02	34	<0.1	<0.02	1.4
Core Reject Duplicates																			
1303498	Rock	0.008	1.5	2.7	0.38	10.9	<0.001	1	0.07	0.005	0.05	<0.1	3.7	0.13	<0.02	713	0.4	0.02	0.3
DUP 1303498	QC	0.008	1.5	2.8	0.39	11.3	<0.001	1	0.08	0.005	0.06	<0.1	3.8	0.13	<0.02	705	0.4	0.02	0.3
Reference Materials																			
STD DS9	Standard	0.074	12.2	121.9	0.61	316.5	0.117	2	0.95	0.086	0.40	3.3	2.5	6.11	0.15	245	5.5	5.58	4.8
STD DS9	Standard	0.082	13.3	116.7	0.60	307.9	0.112	2	0.95	0.084	0.40	3.0	2.5	5.55	0.16	203	5.5	5.62	4.6
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.001	<0.5	<0.5	0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1
Prep Wash																			
G1-WHI	Prep Blank	0.069	10.9	5.6	0.49	127.6	0.113	1	0.82	0.080	0.46	<0.1	2.5	0.33	<0.02	<5	<0.1	<0.02	4.9
G1-WHI	Prep Blank																		
G1-WHI	Prep Blank	0.072	9.6	5.4	0.50	126.6	0.112	<1	0.83	0.088	0.47	0.1	2.3	0.32	<0.02	<5	<0.1	<0.02	4.7



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 03, 2012
Report Date: August 20, 2012
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CERTIFICATE OF ANALYSIS

WHI12000524.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-6
P.O. Number: NA-12359
Number of Samples: 35

SAMPLE DISPOSAL

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

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

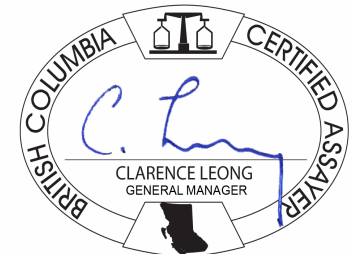
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, 1F02, RJSV, 7TD.

ADDITIONAL COMMENTS



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



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Project: CAR
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CERTIFICATE OF ANALYSIS

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300469	Soil	1.00	13.51	57.21	190.4	537	16.1	5.2	569	2.45	6.9	0.7	4.8	1.7	12.6	0.50	0.76	0.27	22	1.01	0.111
1300470	Soil	1.62	25.27	29.79	110.1	236	27.9	11.4	706	3.45	14.6	3.6	4.0	1.5	71.6	0.48	0.66	0.21	31	2.19	0.165
1300471	Soil	2.13	22.00	17.06	81.3	263	26.1	9.3	311	2.48	11.2	3.3	5.5	4.1	42.2	0.32	0.75	0.14	36	0.76	0.040
1300472	Soil	1.22	19.75	17.88	75.6	190	21.5	8.1	316	2.18	8.7	3.4	5.2	1.8	55.9	0.30	0.51	0.14	32	1.12	0.069
1300473	Soil	1.23	22.06	16.31	74.3	478	21.6	8.7	280	1.91	9.6	2.3	7.6	5.0	51.6	0.24	0.42	0.12	32	1.96	0.101
1300474	Soil	0.91	32.09	18.27	100.2	356	30.1	10.5	344	2.60	9.4	1.9	6.8	5.8	29.3	0.23	0.44	0.14	38	0.55	0.089
1300475	Soil	0.67	28.40	16.38	91.1	321	26.1	8.5	242	2.45	8.3	4.2	8.6	3.0	38.2	0.20	0.33	0.15	37	0.69	0.091
1300476	Soil	0.45	31.85	15.96	101.0	99	30.3	10.5	330	2.70	6.2	2.6	5.3	3.7	29.6	0.23	0.25	0.15	34	0.59	0.077
1300477	Soil	0.41	33.76	16.46	99.4	81	30.5	11.1	298	2.65	6.0	1.4	7.0	5.2	21.2	0.10	0.19	0.13	31	0.45	0.065
1300478	Soil	0.42	33.48	17.43	97.2	78	28.8	8.4	171	2.50	6.6	1.5	4.1	4.2	20.3	0.09	0.22	0.13	30	0.53	0.076
1300479	Soil	0.36	34.67	15.38	87.2	81	28.1	10.0	318	2.44	7.5	1.2	2.7	3.9	22.9	0.13	0.17	0.14	32	1.24	0.070
1300480	Soil	0.28	36.77	15.44	87.1	64	27.8	9.7	256	2.36	5.8	1.5	3.7	3.3	22.9	<0.01	0.12	0.15	25	0.72	0.077
1300481	Soil	0.37	35.69	19.63	79.6	55	30.6	9.4	172	2.29	4.8	1.6	2.4	2.6	30.1	<0.01	0.10	0.14	20	1.13	0.080
1300482	Soil	2.26	40.69	77.87	607.7	206	36.1	17.0	605	3.93	20.6	3.0	1.1	2.7	39.4	2.35	0.54	0.19	20	2.57	0.194
1300483	Soil	0.45	36.97	26.70	105.5	129	28.2	8.6	169	2.30	5.1	2.3	1.6	2.6	33.1	<0.01	0.11	0.15	13	1.15	0.125
1300484	Soil	1.47	40.10	30.17	108.1	162	35.3	14.3	541	3.58	10.1	2.4	3.2	3.8	26.1	<0.01	0.46	0.24	29	0.58	0.086
1300485	Soil	1.00	51.33	32.67	104.6	112	41.7	27.3	785	4.21	10.6	1.3	1.5	9.7	16.8	<0.01	0.36	0.29	26	0.37	0.091
1300486	Soil	0.65	20.42	20.85	91.5	116	21.8	7.8	299	2.70	5.0	2.7	1.1	2.4	23.4	<0.01	0.03	0.16	24	0.79	0.147
1300487	Soil	0.84	37.36	24.83	106.6	172	30.2	12.8	264	2.95	7.3	1.7	2.9	3.4	27.2	<0.01	0.15	0.16	24	0.85	0.090
1300488	Soil	1.01	55.49	44.31	148.5	154	40.8	22.8	636	4.00	11.9	1.6	3.0	5.2	18.6	0.13	0.35	0.27	22	0.28	0.098
1300489	Soil	1.16	50.11	31.94	133.5	213	39.7	18.0	487	3.61	9.7	1.5	2.9	4.6	27.4	0.05	0.23	0.17	28	0.61	0.099
1300490	Soil	1.01	35.07	20.92	104.8	170	30.4	10.1	702	3.30	7.2	2.3	2.5	3.3	26.4	<0.01	0.08	0.16	28	0.68	0.100
1300491	Soil	0.84	38.70	25.34	107.9	107	32.9	15.8	265	2.70	5.1	2.2	1.2	4.1	22.8	0.22	0.08	0.16	23	0.60	0.096
1300492	Soil	1.18	33.13	21.64	102.8	56	27.1	13.8	324	3.89	10.6	0.5	1.5	0.6	8.7	<0.01	0.42	0.16	35	0.01	0.059
1300493	Rock Pulp	<0.01	2.46	0.38	3.3	13	0.6	0.8	15	0.23	<0.1	<0.1	<0.2	<0.1	9.9	<0.01	<0.02	<0.02	8	0.07	0.026
1300494	Soil	0.97	29.30	15.00	67.4	79	20.8	10.7	277	3.31	6.3	0.5	0.9	0.8	7.2	<0.01	0.23	0.15	40	0.03	0.077
1300495	Soil	1.16	48.24	30.01	129.4	42	31.7	17.6	321	5.28	12.0	0.4	0.7	2.5	7.4	<0.01	0.26	0.22	29	<0.01	0.044
1300496	Soil	1.52	25.60	15.20	71.9	83	15.5	10.1	408	3.78	7.3	0.5	1.5	0.8	7.0	<0.01	0.48	0.16	50	<0.01	0.055
1300497	Soil	0.46	66.64	31.98	106.6	146	50.5	44.0	1474	6.99	3.4	0.4	2.2	2.5	20.8	<0.01	0.12	0.10	31	0.04	0.071
1300498	Soil	0.77	29.07	39.71	150.4	158	26.2	13.8	369	3.06	8.2	0.8	1.0	1.5	63.8	0.27	0.35	0.10	26	0.84	0.079

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Client: **Rackla Metals Inc.**
 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 20, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1300469	Soil	9.1	16.8	0.59	88.5	0.005	2	0.89	0.004	0.06	0.1	2.4	0.17	0.05	67	0.2	0.05	2.4
1300470	Soil	22.3	18.7	0.66	118.8	0.005	4	1.12	0.007	0.09	0.1	3.2	0.18	0.06	96	0.4	0.02	2.9
1300471	Soil	26.2	23.7	0.66	105.5	0.020	4	1.34	0.009	0.09	0.2	4.0	0.15	0.03	78	0.5	0.04	3.5
1300472	Soil	20.4	22.6	0.56	106.2	0.008	3	1.19	0.005	0.07	0.1	2.9	0.14	0.06	84	0.4	0.02	3.7
1300473	Soil	19.6	25.2	1.77	60.2	0.011	4	1.19	0.007	0.10	<0.1	3.8	0.19	0.03	92	0.3	0.03	3.7
1300474	Soil	25.8	36.4	1.56	99.1	0.014	4	1.69	0.006	0.10	0.1	5.4	0.15	<0.02	98	0.3	0.02	5.2
1300475	Soil	24.4	35.9	1.39	101.1	0.009	4	1.69	0.006	0.09	<0.1	4.7	0.15	0.05	81	0.5	0.03	5.5
1300476	Soil	25.3	39.6	1.62	133.6	0.009	4	1.82	0.005	0.10	<0.1	4.9	0.10	0.04	56	0.2	<0.02	5.7
1300477	Soil	28.6	42.9	1.80	142.0	0.009	4	1.75	0.006	0.09	<0.1	7.1	0.09	0.03	32	0.4	<0.02	5.8
1300478	Soil	27.6	40.3	1.58	140.9	0.011	3	1.66	0.006	0.09	<0.1	6.8	0.08	0.04	37	0.4	0.02	5.4
1300479	Soil	26.6	39.7	1.94	179.2	0.010	3	1.74	0.006	0.08	<0.1	6.1	0.08	0.04	30	0.5	0.04	5.2
1300480	Soil	23.3	34.7	1.25	202.7	0.008	3	1.52	0.005	0.08	<0.1	6.1	0.07	0.05	36	0.3	0.03	4.8
1300481	Soil	19.9	30.4	0.93	135.5	0.005	4	1.37	0.006	0.07	<0.1	5.1	0.07	0.07	23	0.3	0.02	4.2
1300482	Soil	13.2	15.3	0.99	166.9	0.003	4	0.93	0.006	0.12	<0.1	4.8	0.33	0.08	119	0.4	0.04	2.4
1300483	Soil	13.4	20.5	0.57	108.6	0.003	5	1.16	0.006	0.11	<0.1	4.2	0.11	0.12	64	0.4	<0.02	3.4
1300484	Soil	10.6	22.6	0.60	143.0	0.004	3	1.36	0.005	0.09	<0.1	5.3	0.15	0.04	85	0.5	0.04	4.2
1300485	Soil	8.8	24.3	0.96	69.6	0.004	4	1.63	0.005	0.12	<0.1	6.0	0.14	<0.02	35	0.1	0.06	5.2
1300486	Soil	10.9	26.7	0.64	168.6	0.002	2	1.65	0.004	0.09	<0.1	3.8	0.15	0.11	38	0.5	0.05	4.7
1300487	Soil	12.0	22.2	0.82	88.6	0.003	5	1.21	0.004	0.11	<0.1	5.3	0.12	0.10	67	0.4	0.03	3.7
1300488	Soil	12.3	20.4	0.61	77.5	0.002	3	1.28	0.003	0.10	<0.1	5.8	0.16	<0.02	58	0.2	0.04	3.7
1300489	Soil	15.8	29.3	1.14	105.6	0.004	5	1.42	0.005	0.13	<0.1	6.7	0.18	0.08	85	0.3	0.04	4.3
1300490	Soil	11.1	22.9	0.79	116.7	0.002	3	1.34	0.004	0.09	<0.1	5.6	0.13	0.06	64	0.3	<0.02	4.0
1300491	Soil	8.5	22.6	0.71	115.8	0.002	4	1.25	0.004	0.10	<0.1	5.2	0.12	0.11	64	0.7	0.04	3.9
1300492	Soil	7.1	20.5	0.24	56.3	0.006	2	1.05	0.003	0.07	<0.1	2.6	0.20	0.03	48	0.3	0.05	3.6
1300493	Rock Pulp	1.0	0.9	0.02	14.1	0.013	<1	0.14	0.057	0.04	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	0.4
1300494	Soil	6.2	23.7	0.31	87.0	0.004	2	1.33	0.003	0.07	<0.1	2.8	0.15	0.04	30	0.2	0.03	4.6
1300495	Soil	5.6	19.3	0.22	51.1	<0.001	2	1.02	0.002	0.07	<0.1	4.6	0.18	0.02	29	0.1	0.08	2.9
1300496	Soil	8.3	23.1	0.19	46.7	0.012	1	1.15	0.003	0.07	0.1	2.3	0.12	0.03	58	0.3	0.03	6.2
1300497	Soil	3.6	26.7	0.53	65.4	0.003	1	1.80	0.004	0.09	<0.1	12.3	0.10	0.03	57	<0.1	<0.02	4.8
1300498	Soil	10.6	19.3	0.28	194.5	0.005	2	1.02	0.004	0.09	<0.1	5.3	0.13	0.06	83	0.2	<0.02	2.7

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Client: **Rackla Metals Inc.**
 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1300499	Soil	1.07	46.80	27.24	95.1	159	23.1	14.1	543	5.22	6.1	0.5	4.3	2.1	9.5	<0.01	0.32	0.14	44	0.04	0.069
1300500	Soil	1.17	76.76	33.00	87.5	113	25.5	15.9	459	6.17	7.7	0.5	1.0	2.7	7.8	<0.01	0.32	0.15	46	<0.01	0.057
1303173	Soil	2.03	409.4	20.20	92.4	46	44.3	23.9	443	3.50	15.6	3.6	4.0	9.2	202.0	<0.01	<0.02	0.08	16	7.04	0.055
1303174	Soil	2.00	6.16	976.1	6347	670	9.1	11.8	5860	11.43	6.3	1.6	<0.2	0.7	24.6	9.64	0.34	<0.02	9	7.79	0.080
1303175	Soil	1.42	4.19	1718	>10000	140	6.8	3.1	3061	14.94	7.8	1.8	<0.2	1.4	30.0	28.18	<0.02	<0.02	6	7.70	0.107



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CERTIFICATE OF ANALYSIS

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01
1300499	Soil	5.2	26.7	0.28	60.8	0.008	1	1.68	0.005	0.09	<0.1	4.1	0.10	0.05	62	0.2	0.05	5.7
1300500	Soil	5.9	30.1	0.34	54.9	0.010	<1	1.72	0.004	0.08	<0.1	6.5	0.14	0.03	28	0.3	0.03	5.6
1303173	Soil	29.4	23.9	0.80	152.6	0.001	1	0.69	0.005	0.08	<0.1	7.5	0.08	<0.02	18	1.0	0.02	1.3
1303174	Soil	6.3	4.0	5.39	304.3	0.006	<1	0.34	0.008	0.02	<0.1	1.2	5.66	0.03	297	0.4	0.02	0.8
1303175	Soil	6.4	3.2	5.16	92.5	0.002	<1	0.21	0.006	0.04	<0.1	1.3	4.80	0.03	342	0.8	0.03	0.7



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Project: CAR
 Report Date: August 20, 2012

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QUALITY CONTROL REPORT

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1300498	Soil	0.77	29.07	39.71	150.4	158	26.2	13.8	369	3.06	8.2	0.8	1.0	1.5	63.8	0.27	0.35	0.10	26	0.84	0.079
REP 1300498	QC	0.80	30.08	41.61	153.9	169	27.4	14.3	401	3.16	8.9	0.9	1.0	1.5	64.7	0.23	0.35	0.07	26	0.86	0.076
1300500	Soil	1.17	76.76	33.00	87.5	113	25.5	15.9	459	6.17	7.7	0.5	1.0	2.7	7.8	<0.01	0.32	0.15	46	<0.01	0.057
REP 1300500	QC	1.18	76.55	33.02	85.9	121	25.6	16.9	454	6.07	7.6	0.5	2.5	2.8	7.5	<0.01	0.32	0.14	44	<0.01	0.057
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD DS9	Standard	12.52	107.4	121.1	303.0	1818	40.5	7.2	566	2.20	22.9	2.4	119.2	6.4	66.4	1.94	5.21	6.06	40	0.71	0.081
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
STD CDN-ME-14 Expected																					
STD CDN-ME-9 Expected																					
BLK	Blank	<0.01	0.03	<0.01	0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.04	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				



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Project: CAR
Report Date: August 20, 2012

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QUALITY CONTROL REPORT

WHI12000524.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Zn	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	
Pulp Duplicates																			
1300498	Soil	10.6	19.3	0.28	194.5	0.005	2	1.02	0.004	0.09	<0.1	5.3	0.13	0.06	83	0.2	<0.02	2.7	
REP 1300498	QC	10.7	20.2	0.29	195.4	0.005	2	1.04	0.004	0.09	<0.1	5.3	0.12	0.06	104	<0.1	0.02	2.8	
1300500	Soil	5.9	30.1	0.34	54.9	0.010	<1	1.72	0.004	0.08	<0.1	6.5	0.14	0.03	28	0.3	0.03	5.6	
REP 1300500	QC	5.6	30.6	0.34	53.0	0.009	1	1.68	0.004	0.08	<0.1	6.3	0.13	0.03	33	0.2	0.03	5.6	
Reference Materials																			
STD CDN-ME-14	Standard																		3.39
STD CDN-ME-9	Standard																		<0.01
STD DS9	Standard	13.1	111.7	0.59	282.5	0.105	2	0.91	0.082	0.38	2.9	2.5	5.36	0.16	213	5.1	5.02	4.4	
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD CDN-ME-14 Expected																			3.1
STD CDN-ME-9 Expected																			0.0125
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																		<0.01



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 06, 2012
Report Date: August 16, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI12000525.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-11
P.O. Number: NA-12359
Number of Samples: 83

SAMPLE DISPOSAL

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

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

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	81	Dry at 60C			WHI
SS80	80	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	81	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	80	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: August 16, 2012

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CERTIFICATE OF ANALYSIS

WHI12000525.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1346846	Soil	0.90	49.01	29.39	118.6	140	31.0	19.5	552	3.71	13.3	1.1	1.6	2.8	52.3	0.34	1.40	0.33	22	1.21	0.041
1346847	Soil	0.92	49.65	25.82	103.1	157	28.8	13.8	398	3.30	12.6	3.1	1.0	2.3	48.0	0.26	1.38	0.29	23	1.34	0.049
1346848	Soil	3.54	26.18	23.63	92.7	110	42.3	12.7	473	2.79	22.4	2.0	0.3	1.4	65.7	0.37	1.42	0.17	28	6.76	0.086
1346849	Soil	1.94	25.88	25.38	98.3	111	27.0	13.6	591	3.02	14.2	1.3	<0.2	2.4	38.0	0.29	0.99	0.21	32	4.20	0.049
1346850	Soil	2.36	21.47	21.27	88.6	109	27.2	12.7	512	2.89	15.7	0.8	<0.2	2.9	26.0	0.27	0.98	0.20	36	3.23	0.033
1346851	Soil	1.44	12.20	8.96	59.6	70	18.1	6.7	226	1.40	25.9	1.4	<0.2	0.7	114.4	0.42	0.51	0.11	25	10.82	0.052
1346852	Soil	1.95	12.48	11.92	54.0	52	20.5	6.0	162	1.32	34.4	1.0	<0.2	1.3	104.2	0.30	0.50	0.12	22	7.89	0.036
1346853	Soil	2.89	19.73	15.25	98.2	92	29.7	9.6	299	1.97	50.0	1.3	<0.2	1.4	170.9	0.54	0.69	0.18	34	7.65	0.075
1346854	Soil	1.97	20.55	16.70	109.5	114	25.4	9.9	431	2.30	35.3	1.6	<0.2	1.1	70.0	0.60	0.78	0.20	32	5.15	0.070
1346855	Soil	2.26	26.59	17.46	105.7	129	32.3	10.9	390	2.42	69.1	1.4	<0.2	1.4	99.3	0.49	0.78	0.21	34	6.26	0.067
1346856	Soil	1.70	19.20	15.49	85.9	94	23.2	9.4	387	2.06	48.4	1.5	0.7	1.1	85.6	0.49	0.68	0.17	30	7.25	0.056
1346857	Soil	1.62	19.50	15.87	76.5	110	28.6	10.2	382	2.56	24.0	0.9	<0.2	1.7	65.1	0.36	0.64	0.17	27	6.10	0.041
1346858	Soil	1.25	27.65	21.48	102.2	129	40.6	14.8	540	3.24	23.2	1.7	0.8	4.4	27.1	0.29	0.75	0.33	40	0.62	0.051
1346859	Soil	1.11	24.31	21.24	112.4	128	29.0	12.2	576	2.68	23.4	2.4	1.0	2.0	48.0	0.55	0.58	0.27	34	1.57	0.082
1346860	Soil	1.34	31.29	21.62	82.3	117	26.5	10.2	535	2.43	14.5	2.9	0.6	2.2	62.1	0.33	0.59	0.25	25	4.37	0.064
1346861	Soil	1.18	23.86	20.13	104.6	107	28.8	11.4	432	2.64	12.3	1.6	<0.2	2.3	34.0	0.44	0.63	0.24	27	1.47	0.059
1346862	Soil	1.90	23.10	38.34	95.2	113	29.5	10.0	1193	2.83	22.0	3.7	<0.2	3.8	92.9	0.91	0.63	0.29	25	5.47	0.107
1346863	Soil	1.08	20.43	16.16	109.1	85	31.3	13.5	531	3.04	13.9	1.5	1.5	4.0	20.5	0.22	0.81	0.30	50	0.31	0.071
1346864	Soil	1.17	10.32	7.28	57.4	61	15.3	4.3	185	1.05	30.6	1.5	<0.2	0.7	177.6	0.33	0.52	0.09	35	12.27	0.068
1346865	Soil	0.89	6.06	5.06	38.6	46	10.4	3.0	141	0.76	23.6	1.6	<0.2	0.5	149.5	0.33	0.36	0.06	28	13.56	0.045
1346866	Soil	1.86	17.00	22.15	105.8	48	24.2	10.9	468	2.72	24.3	1.2	0.2	2.3	55.8	0.90	1.05	0.24	39	5.60	0.058
1346867	Soil	2.60	16.63	12.59	72.1	74	24.0	7.7	211	1.74	44.7	1.3	<0.2	1.5	112.1	0.40	0.59	0.16	25	10.18	0.050
1346868	Soil	1.62	18.02	17.47	90.1	119	25.7	11.8	519	2.72	24.2	1.2	0.2	2.8	51.6	0.50	0.88	0.26	48	2.98	0.050
1346869	Soil	1.05	10.45	8.93	45.3	75	14.6	6.4	215	1.36	18.6	1.2	0.4	1.7	105.8	0.36	0.55	0.09	22	12.08	0.049
1346870	Soil	1.18	11.03	9.85	78.8	55	17.6	8.0	419	1.60	27.6	1.1	0.2	1.0	103.3	0.67	0.51	0.11	22	11.88	0.054
1346871	Soil	2.15	19.48	13.15	88.9	86	27.2	8.3	270	1.84	154.2	2.1	<0.2	1.8	211.7	0.38	0.80	0.20	42	8.36	0.092
1346872	Soil	1.39	20.02	20.50	111.7	116	24.9	10.1	543	2.39	21.7	1.8	<0.2	1.4	37.9	0.45	0.64	0.26	29	3.41	0.088
1346873	Soil	1.39	16.60	22.45	124.9	146	21.4	9.9	740	2.39	14.4	2.0	<0.2	1.2	35.8	0.45	0.74	0.24	32	2.49	0.109
1346874	Soil	0.93	17.31	24.05	107.7	149	24.8	10.4	440	2.61	9.8	1.5	0.3	3.4	33.0	0.18	0.41	0.27	28	0.87	0.062
1346875	Soil	0.84	22.99	18.30	64.1	151	21.8	8.8	358	2.26	7.3	3.0	0.8	2.0	52.0	0.12	0.37	0.21	27	1.44	0.089



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	
1346846	Soil	6.0	21.2	0.68	134.5	0.002	6	1.26	0.004	0.14	<0.1	6.3	0.18	0.03	89	0.6	0.02	3.7
1346847	Soil	9.4	24.6	0.69	169.9	0.002	4	1.43	0.004	0.14	<0.1	5.9	0.14	0.04	112	0.6	<0.02	4.2
1346848	Soil	9.8	17.1	3.52	109.0	0.002	4	0.99	0.007	0.09	<0.1	3.7	0.29	<0.02	49	0.3	<0.02	2.2
1346849	Soil	10.8	21.6	2.40	131.4	0.004	3	1.41	0.008	0.09	<0.1	4.5	0.16	<0.02	52	0.3	0.03	3.5
1346850	Soil	12.0	27.1	1.96	141.5	0.006	3	1.40	0.008	0.09	<0.1	4.1	0.16	<0.02	45	0.2	0.03	3.5
1346851	Soil	8.1	13.2	5.34	99.3	0.007	4	0.67	0.013	0.08	<0.1	1.6	0.65	<0.02	35	0.3	<0.02	1.6
1346852	Soil	7.3	11.6	4.16	102.0	0.006	6	0.49	0.010	0.10	<0.1	1.9	0.63	<0.02	36	0.1	<0.02	1.6
1346853	Soil	11.7	18.8	3.79	144.0	0.005	8	1.04	0.013	0.15	<0.1	2.7	1.17	<0.02	41	0.3	0.02	2.5
1346854	Soil	11.9	20.1	2.46	172.7	0.007	5	1.10	0.009	0.11	<0.1	2.7	0.43	<0.02	48	0.4	<0.02	2.8
1346855	Soil	12.2	21.7	3.27	189.7	0.006	4	1.23	0.010	0.13	<0.1	2.7	1.27	<0.02	53	0.6	<0.02	3.0
1346856	Soil	10.2	18.4	3.74	168.4	0.006	6	1.08	0.011	0.11	<0.1	2.5	0.81	<0.02	40	0.3	<0.02	2.8
1346857	Soil	10.5	20.0	3.22	152.1	0.007	3	1.14	0.010	0.11	<0.1	3.0	0.42	<0.02	40	0.3	<0.02	3.0
1346858	Soil	19.0	38.7	1.01	227.2	0.010	5	1.86	0.008	0.14	<0.1	4.5	0.31	0.02	55	0.4	0.07	5.4
1346859	Soil	16.6	30.1	0.87	226.9	0.008	4	1.59	0.007	0.11	<0.1	4.2	0.35	0.04	60	0.5	<0.02	4.7
1346860	Soil	14.8	26.8	2.45	171.2	0.006	4	1.27	0.007	0.11	<0.1	4.9	0.50	<0.02	62	0.4	0.02	3.6
1346861	Soil	14.8	27.9	0.98	156.7	0.006	4	1.45	0.006	0.12	<0.1	4.1	0.28	0.04	66	0.2	<0.02	4.1
1346862	Soil	30.8	31.2	2.70	197.3	0.004	4	1.94	0.006	0.09	<0.1	8.7	0.24	<0.02	68	0.5	0.04	2.8
1346863	Soil	19.9	33.2	0.58	280.1	0.019	2	1.95	0.010	0.08	0.2	4.3	0.15	<0.02	40	0.4	0.05	5.0
1346864	Soil	8.4	12.3	6.92	109.1	0.004	5	0.58	0.010	0.06	<0.1	1.5	0.37	<0.02	37	0.4	0.03	1.3
1346865	Soil	6.5	8.7	7.65	91.5	0.004	3	0.35	0.010	0.05	<0.1	1.1	0.31	<0.02	23	0.3	0.02	1.0
1346866	Soil	15.2	22.3	2.93	116.5	0.008	3	1.31	0.008	0.10	0.1	4.0	0.29	<0.02	40	0.2	0.05	3.3
1346867	Soil	10.1	15.1	5.35	145.9	0.006	4	0.87	0.015	0.13	<0.1	2.6	0.68	<0.02	33	0.1	0.03	2.2
1346868	Soil	16.1	28.2	1.62	230.8	0.013	4	1.58	0.010	0.11	0.2	4.0	0.30	<0.02	38	0.2	<0.02	4.4
1346869	Soil	8.7	12.2	5.17	82.8	0.009	5	0.63	0.013	0.07	<0.1	2.2	0.20	<0.02	18	0.3	0.02	1.5
1346870	Soil	9.4	12.9	6.23	106.2	0.005	4	0.62	0.013	0.08	<0.1	2.2	0.31	<0.02	22	0.3	<0.02	1.3
1346871	Soil	17.4	19.2	4.23	102.6	0.007	14	1.05	0.015	0.18	<0.1	2.6	0.40	<0.02	34	0.3	0.07	2.4
1346872	Soil	15.6	23.1	1.54	121.0	0.006	5	1.28	0.008	0.14	<0.1	2.7	0.20	0.04	47	0.5	0.03	3.6
1346873	Soil	13.3	25.2	1.27	160.5	0.009	4	1.27	0.007	0.11	<0.1	2.5	0.21	0.06	55	0.6	0.04	3.6
1346874	Soil	14.1	28.9	0.86	167.3	0.005	5	1.55	0.005	0.16	<0.1	4.9	0.23	0.04	46	0.3	0.05	4.6
1346875	Soil	13.7	28.4	1.05	146.9	0.005	8	1.49	0.005	0.18	<0.1	4.4	0.25	0.07	62	0.8	0.05	4.4



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1F15 Mo	1F15 Cu	1F15 Pb	1F15 Zn	1F15 Ag	1F15 Ni	1F15 Co	1F15 Mn	1F15 Fe	1F15 As	1F15 U	1F15 Au	1F15 Th	1F15 Sr	1F15 Cd	1F15 Sb	1F15 Bi	1F15 V	1F15 Ca	1F15 P
				ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1346876	Soil			0.80	22.29	18.13	73.9	110	24.4	10.0	413	2.44	8.4	2.6	1.5	3.3	39.0	0.15	0.39	0.21	30	2.13	0.067
1346877	Soil			0.44	28.71	15.52	59.7	134	23.0	8.8	278	2.04	6.4	2.6	0.5	3.0	60.3	0.11	0.32	0.24	23	1.49	0.053
1346878	Soil			0.89	17.36	22.81	98.0	137	17.5	7.3	328	1.83	8.4	1.7	0.8	1.9	61.5	0.29	0.40	0.17	20	5.23	0.077
1346879	Soil			0.76	20.99	22.21	72.5	107	21.5	10.1	539	2.39	8.5	1.4	0.2	3.2	45.8	0.18	0.33	0.21	22	4.53	0.072
1346880	Soil			2.88	25.24	22.26	123.4	139	34.1	12.6	421	2.63	33.0	1.3	<0.2	1.3	52.1	0.69	1.12	0.29	37	4.77	0.080
1346881	Soil			2.07	15.22	14.71	68.4	83	20.8	7.5	320	1.78	16.6	1.0	<0.2	0.9	79.3	0.40	0.76	0.16	28	10.35	0.044
1346882	Soil			1.37	9.21	8.03	35.3	41	11.5	4.6	197	1.27	8.6	0.7	1.3	0.9	88.4	0.17	0.51	0.09	21	9.83	0.024
1346883	Soil			2.25	13.38	12.11	65.3	79	18.1	5.2	263	1.63	13.4	1.0	1.3	1.0	187.1	0.40	0.81	0.14	44	9.25	0.048
1346884	Soil			2.13	15.47	12.07	71.8	111	20.2	7.1	382	1.86	20.8	1.6	1.5	0.6	55.8	0.69	0.83	0.16	46	7.30	0.068
1346885	Soil			1.58	17.84	18.24	121.1	87	25.1	14.9	625	2.93	21.4	1.2	1.8	2.2	32.1	0.73	0.92	0.25	47	3.50	0.050
1346886	Soil			1.77	18.83	16.63	57.1	67	17.7	8.3	279	2.04	14.0	0.8	0.8	1.8	62.1	0.24	0.68	0.13	23	8.25	0.040
1346887	Soil			1.23	27.94	25.85	134.1	140	28.1	12.8	437	3.26	21.1	2.0	2.0	2.1	46.7	0.43	0.98	0.24	41	2.51	0.056
1346542	Soil			0.82	14.74	40.05	117.0	314	18.2	7.9	399	2.58	19.3	1.1	0.9	1.0	164.3	0.41	2.93	0.18	38	7.63	0.127
1346543	Soil			3.31	30.63	66.05	506.9	633	38.9	12.4	1139	4.44	51.3	1.7	2.4	3.7	30.7	0.71	13.99	0.30	54	0.51	0.054
1346544	Soil			0.76	40.81	39.59	155.0	129	20.8	10.7	406	3.28	57.0	0.5	1.4	2.7	82.5	0.28	3.04	0.35	20	4.56	0.058
1346545	Soil			0.88	40.72	37.85	109.6	130	20.8	11.0	316	3.99	29.9	0.5	1.9	3.0	74.6	0.27	2.71	0.39	17	6.42	0.052
1346546	Soil			1.46	27.20	106.0	313.9	268	29.2	13.7	623	3.46	35.4	0.9	3.2	1.4	42.6	0.75	3.56	0.27	45	2.71	0.072
1346547	Soil			0.95	36.64	50.54	155.5	319	36.9	15.4	716	3.77	43.1	0.8	3.8	2.6	51.5	0.41	7.66	0.29	46	1.51	0.090
1346548	Soil			0.83	24.19	58.18	174.6	212	25.1	11.1	509	3.04	22.3	0.9	1.8	1.3	102.7	0.52	2.43	0.20	39	4.39	0.089
1346549	Soil			1.57	3.19	743.9	4883	69	1.6	2.2	5216	17.35	4.0	2.2	0.4	0.6	34.5	19.17	0.07	<0.02	3	8.27	0.085
1346550	Soil			0.99	8.18	450.5	692.1	82	11.2	6.1	1395	3.01	6.0	0.9	0.3	2.2	38.8	1.73	0.30	0.10	17	9.10	0.075
1346951	Soil			1.02	21.60	31.98	78.5	103	20.5	9.1	327	3.06	10.3	1.0	0.7	4.7	30.5	0.13	0.33	0.32	21	0.91	0.038
1346952	Soil			1.12	23.46	31.98	85.7	130	26.1	11.2	445	3.03	11.1	1.8	0.9	4.3	26.1	0.06	0.38	0.31	23	0.46	0.050
1346953	Soil			0.86	14.67	27.45	73.3	131	13.8	7.0	304	1.86	8.0	0.7	0.3	1.7	49.1	0.20	0.27	0.17	12	5.91	0.070
1346954	Soil			1.69	13.90	11.07	52.2	60	18.3	6.9	264	1.70	94.7	1.7	0.9	1.2	135.7	0.24	0.49	0.12	35	9.00	0.068
1346955	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1346956	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1346957	Soil			2.29	14.29	11.66	59.6	66	19.6	6.8	312	1.72	16.6	1.5	<0.2	1.0	117.0	0.47	0.71	0.15	46	9.44	0.050
1346958	Soil			2.03	16.73	12.99	55.6	74	19.2	7.6	303	1.79	25.4	1.8	0.5	0.8	93.0	0.37	0.68	0.14	42	9.38	0.055
1346959	Soil			2.26	26.58	18.02	98.6	136	31.1	11.7	468	2.80	122.8	1.3	0.8	1.7	118.6	0.43	0.81	0.23	61	4.11	0.104

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1346876	Soil	14.1	29.2	1.76	160.5	0.006	7	1.57	0.006	0.20	<0.1	4.5	0.21	0.03	70	0.6	0.03	4.7
1346877	Soil	12.9	25.4	1.01	147.8	0.004	11	1.37	0.004	0.24	<0.1	4.4	0.23	0.05	64	0.8	0.06	4.3
1346878	Soil	8.3	18.0	2.90	107.0	0.005	8	1.09	0.008	0.18	<0.1	3.2	0.55	<0.02	55	0.4	0.05	3.0
1346879	Soil	11.0	24.1	3.09	106.2	0.004	8	1.26	0.006	0.19	<0.1	3.6	0.18	<0.02	55	0.8	0.06	3.8
1346880	Soil	15.5	22.6	2.35	167.9	0.007	7	1.25	0.009	0.14	<0.1	3.0	0.69	<0.02	49	0.4	0.06	3.0
1346881	Soil	8.8	13.1	5.59	83.6	0.005	4	0.78	0.011	0.09	<0.1	2.1	0.34	<0.02	31	0.3	0.05	1.6
1346882	Soil	5.7	8.3	5.60	46.6	0.004	4	0.34	0.010	0.06	<0.1	1.3	0.21	0.03	14	0.1	0.03	0.9
1346883	Soil	9.6	12.8	5.31	73.6	0.005	4	0.49	0.011	0.08	<0.1	1.6	0.21	0.05	33	0.3	0.03	1.6
1346884	Soil	11.3	16.1	4.05	71.6	0.006	3	0.90	0.011	0.07	<0.1	1.7	0.22	0.07	39	0.3	0.03	1.9
1346885	Soil	17.1	28.4	1.99	137.7	0.017	3	1.72	0.010	0.07	0.2	3.7	0.21	0.04	53	0.3	0.06	3.9
1346886	Soil	5.6	12.7	5.03	58.0	0.003	3	0.76	0.011	0.09	<0.1	2.5	0.36	0.04	34	0.2	<0.02	1.7
1346887	Soil	12.3	26.3	1.40	156.0	0.004	3	1.60	0.008	0.10	<0.1	4.0	0.23	0.05	74	0.6	0.04	4.4
1346542	Soil	13.9	19.7	0.68	134.5	0.007	2	1.33	0.011	0.05	0.1	2.4	0.23	0.05	195	0.3	0.06	3.1
1346543	Soil	19.9	33.2	0.61	165.5	0.015	2	1.89	0.008	0.08	0.2	5.3	0.50	0.03	492	0.6	0.08	5.0
1346544	Soil	11.7	11.3	0.60	56.4	0.005	3	0.46	0.005	0.11	<0.1	3.0	1.29	<0.02	2341	0.5	0.06	1.9
1346545	Soil	12.9	9.7	0.12	56.3	0.004	2	0.39	0.004	0.11	<0.1	3.1	1.21	<0.02	2528	1.8	0.18	1.7
1346546	Soil	16.1	26.5	0.49	173.9	0.009	5	1.63	0.008	0.07	0.2	3.6	0.37	0.05	573	0.6	0.04	4.6
1346547	Soil	19.7	28.2	0.45	188.4	0.014	2	1.51	0.009	0.07	0.2	5.4	0.45	0.04	677	0.4	0.03	4.7
1346548	Soil	15.0	22.1	0.52	130.1	0.008	2	1.33	0.009	0.07	0.2	3.7	0.26	0.05	259	0.2	0.04	3.6
1346549	Soil	5.0	2.4	5.90	16.5	0.001	1	0.10	0.010	0.02	<0.1	0.7	23.05	0.14	169	0.4	<0.02	0.5
1346550	Soil	6.2	11.8	6.29	43.1	0.006	2	0.80	0.011	0.07	<0.1	2.3	1.25	0.03	76	0.2	<0.02	1.8
1346951	Soil	11.0	17.8	0.76	134.8	0.002	6	1.02	0.005	0.23	<0.1	4.2	0.45	0.16	47	<0.1	0.07	3.5
1346952	Soil	10.9	22.3	0.59	154.1	0.002	6	1.29	0.005	0.20	<0.1	4.4	0.38	0.09	55	0.4	0.04	3.9
1346953	Soil	9.6	10.1	3.39	61.9	0.002	4	0.61	0.007	0.12	<0.1	2.8	0.37	0.04	63	0.2	<0.02	1.5
1346954	Soil	12.5	15.2	5.07	78.3	0.005	9	0.90	0.017	0.12	<0.1	2.1	0.35	0.06	42	0.3	0.03	1.9
1346955	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1346956	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1346957	Soil	10.5	13.8	5.20	66.3	0.005	6	0.79	0.014	0.12	<0.1	1.9	0.36	0.05	21	0.2	0.03	1.8
1346958	Soil	9.6	14.8	5.37	64.3	0.005	5	0.85	0.015	0.11	<0.1	1.9	0.31	0.06	24	0.2	<0.02	1.7
1346959	Soil	18.5	25.5	1.62	150.5	0.008	7	1.37	0.011	0.15	<0.1	3.4	0.64	0.06	54	0.3	0.07	3.6

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
 Report Date: August 16, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.01	0.02	0.02	0.02	2	0.01	0.001
1346960	Soil	1.36	16.28	21.50	75.3	117	30.0	12.0	446	2.91	16.8	1.6	1.6	2.4	43.5	0.36	0.54	0.30	44	1.40	0.053
1346961	Soil	1.47	21.10	31.39	86.1	256	32.6	13.0	724	3.11	35.9	2.0	1.5	2.7	31.3	0.26	0.75	0.23	39	1.79	0.072
1346151	Soil	1.10	23.85	41.85	200.5	150	23.5	10.2	530	3.03	16.4	2.2	1.1	2.7	56.9	0.63	0.85	0.22	40	1.22	0.065
1346152	Soil	1.12	34.31	44.08	118.3	222	33.7	14.8	702	3.82	19.2	1.5	1.4	5.4	25.6	0.25	0.97	0.28	33	0.64	0.093
1346153	Soil	1.12	35.79	30.65	95.5	183	35.5	17.6	658	3.68	16.1	1.0	1.4	6.3	34.4	0.23	0.62	0.31	29	1.53	0.051
1346154	Soil	1.70	40.11	52.23	192.4	209	31.0	15.4	898	3.49	21.5	1.3	1.3	2.7	82.1	0.66	1.44	0.24	38	2.74	0.087
1346155	Soil	1.53	35.64	49.21	168.6	194	31.4	16.0	701	3.38	21.6	1.2	2.8	2.8	82.3	0.65	1.78	0.25	38	2.17	0.085
1346157	Soil	1.91	19.70	15.85	76.8	107	21.9	9.1	421	2.26	16.4	1.0	1.1	1.1	65.9	0.46	0.66	0.19	37	6.82	0.065
1346158	Soil	2.14	19.36	15.38	59.9	100	18.7	9.2	461	2.16	16.4	1.3	1.0	1.0	75.7	0.38	0.68	0.16	37	7.41	0.057
1346159	Soil	3.88	24.24	18.98	81.8	108	23.5	11.7	555	2.61	21.2	1.2	1.4	1.1	60.9	0.45	0.82	0.20	36	5.71	0.062
1346160	Soil	2.10	27.54	23.94	83.7	124	36.2	16.5	832	3.05	28.3	1.2	1.2	2.1	40.0	0.31	0.87	0.24	36	3.11	0.053
1346161	Soil	1.47	22.39	22.04	84.1	133	23.2	10.8	486	2.57	19.5	1.3	1.4	1.5	51.9	0.32	0.67	0.21	36	4.42	0.077
1346162	Soil	1.82	29.19	36.64	99.3	146	26.2	13.9	704	3.17	22.2	1.3	0.6	2.8	45.9	0.44	0.86	0.26	26	3.77	0.062
1346163	Soil	1.48	22.05	27.59	70.1	124	25.2	13.0	637	3.05	15.3	1.4	0.5	2.7	43.2	0.21	0.44	0.30	24	3.89	0.056
1346164	Soil	1.52	22.77	21.28	81.2	141	27.7	11.0	520	2.90	14.6	4.6	2.6	2.5	49.2	0.41	0.53	0.28	39	0.89	0.070
1346165	Soil	2.15	19.84	25.34	78.0	94	21.9	10.0	494	2.25	16.5	2.0	0.8	2.3	78.7	0.35	0.41	0.19	22	7.25	0.041
1346166	Soil	1.70	25.91	43.32	91.3	117	27.2	12.7	517	2.73	17.2	1.8	1.4	3.0	52.0	0.39	1.40	0.22	26	4.46	0.055
1346167	Soil	1.22	18.89	19.79	127.4	55	26.4	11.9	528	2.94	11.8	2.2	0.8	3.5	23.5	0.33	0.45	0.22	43	0.36	0.069
1346168	Soil	1.74	30.39	30.56	185.7	150	29.9	12.1	386	2.92	18.7	2.1	1.3	2.6	79.4	0.48	0.53	0.25	29	1.93	0.081
1346169	Rock Pulp	0.04	2.93	0.29	5.0	24	0.9	1.0	20	0.33	0.5	<0.1	<0.2	<0.1	11.1	<0.01	<0.02	<0.02	12	0.14	0.027
1346888	Soil	1.17	25.20	23.56	117.9	150	19.9	8.7	545	2.11	8.5	2.9	2.0	1.3	65.7	0.40	0.53	0.14	26	4.47	0.090
1346889	Soil	0.19	37.26	14.29	110.1	137	26.3	9.5	413	1.94	3.1	7.1	2.2	2.0	93.3	0.37	0.24	0.19	28	1.85	0.072
1346156	Soil	2.21	15.51	11.78	71.3	85	27.3	8.2	294	2.06	21.3	0.9	0.9	1.5	147.3	0.42	0.54	0.13	40	8.92	0.063



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Project: CAR
 Report Date: August 16, 2012

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CERTIFICATE OF ANALYSIS

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1346960	Soil	16.2	28.3	0.64	172.0	0.007	2	1.67	0.008	0.10	0.1	3.8	0.24	0.04	41	0.2	<0.02	5.1
1346961	Soil	23.3	27.9	1.16	192.0	0.006	3	1.58	0.008	0.09	<0.1	5.2	0.18	0.04	78	<0.1	<0.02	4.1
1346151	Soil	16.8	30.1	0.88	172.3	0.005	5	1.57	0.006	0.13	<0.1	4.7	0.23	0.05	171	0.4	0.03	5.0
1346152	Soil	18.8	28.6	0.67	244.1	0.005	3	1.64	0.007	0.10	<0.1	6.9	0.18	0.02	58	0.1	<0.02	4.3
1346153	Soil	16.5	27.6	1.18	159.5	0.002	4	1.75	0.006	0.16	<0.1	6.9	0.26	<0.02	72	0.1	0.05	4.9
1346154	Soil	13.3	21.7	1.72	169.6	0.006	4	1.26	0.008	0.11	<0.1	4.8	0.31	0.04	118	0.2	0.03	3.5
1346155	Soil	13.8	21.9	1.20	148.0	0.007	4	1.28	0.007	0.10	<0.1	4.9	0.34	0.04	83	0.3	<0.02	3.6
1346157	Soil	11.0	18.8	3.88	101.3	0.006	6	1.09	0.010	0.11	<0.1	2.4	0.26	0.06	23	0.3	0.04	2.4
1346158	Soil	9.9	16.2	4.11	93.6	0.005	4	1.01	0.011	0.10	<0.1	2.4	0.27	0.05	38	0.2	<0.02	2.2
1346159	Soil	10.6	18.3	3.17	118.2	0.003	4	1.16	0.010	0.11	<0.1	2.6	0.35	0.06	36	0.2	0.08	2.8
1346160	Soil	13.8	22.4	1.78	174.0	0.007	3	1.36	0.009	0.10	<0.1	3.9	0.46	0.05	62	0.3	0.05	3.8
1346161	Soil	12.1	20.8	2.38	129.5	0.007	3	1.27	0.010	0.10	<0.1	3.2	0.36	0.05	53	0.2	0.03	3.5
1346162	Soil	14.9	18.3	2.16	118.4	0.003	3	1.05	0.007	0.12	<0.1	4.5	0.28	0.04	62	0.1	0.02	2.7
1346163	Soil	11.7	18.6	2.19	102.5	0.002	3	1.26	0.008	0.15	<0.1	4.7	0.29	0.05	43	0.1	0.03	3.6
1346164	Soil	21.5	31.5	0.66	130.8	0.008	3	1.57	0.002	0.09	0.1	4.2	0.24	0.05	60	0.4	0.02	4.9
1346165	Soil	11.7	16.0	4.20	108.2	0.003	3	0.89	0.005	0.09	<0.1	3.4	0.30	0.04	35	<0.1	0.05	2.4
1346166	Soil	15.0	21.5	2.82	92.8	0.004	4	1.13	0.004	0.10	<0.1	4.4	0.30	0.04	55	0.3	0.06	3.0
1346167	Soil	18.1	38.5	1.28	158.1	0.012	4	1.76	<0.001	0.11	0.1	4.2	0.18	0.03	42	0.5	<0.02	6.0
1346168	Soil	13.6	19.7	1.10	138.5	0.004	7	1.02	0.002	0.14	<0.1	4.0	0.47	0.07	86	1.2	0.05	3.0
1346169	Rock Pulp	1.1	1.2	0.03	15.0	0.017	<1	0.15	0.060	0.04	<0.1	0.1	<0.02	<0.02	7	<0.1	<0.02	0.6
1346888	Soil	10.7	20.4	2.47	161.3	0.007	5	1.17	0.004	0.09	<0.1	2.9	0.21	0.07	86	0.6	<0.02	3.1
1346889	Soil	18.6	31.7	1.02	274.2	0.010	5	1.48	0.003	0.09	<0.1	4.8	0.12	0.08	69	1.7	0.07	4.6
1346156	Soil	11.3	17.2	4.76	85.4	0.006	5	0.85	0.008	0.10	0.1	2.4	0.39	0.04	36	<0.1	0.07	2.0



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Project: CAR
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QUALITY CONTROL REPORT

WHI12000525.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1346852	Soil	1.95	12.48	11.92	54.0	52	20.5	6.0	162	1.32	34.4	1.0	<0.2	1.3	104.2	0.30	0.50	0.12	22	7.89	0.036
REP 1346852	QC	2.21	13.97	13.13	57.0	62	22.8	6.8	178	1.46	38.1	1.1	<0.2	1.5	116.8	0.30	0.54	0.13	25	8.89	0.042
1346860	Soil	1.34	31.29	21.62	82.3	117	26.5	10.2	535	2.43	14.5	2.9	0.6	2.2	62.1	0.33	0.59	0.25	25	4.37	0.064
REP 1346860	QC	1.28	29.98	22.32	80.0	115	25.8	9.9	520	2.48	14.3	2.8	0.2	2.2	62.6	0.30	0.58	0.25	25	4.53	0.069
1346542	Soil	0.82	14.74	40.05	117.0	314	18.2	7.9	399	2.58	19.3	1.1	0.9	1.0	164.3	0.41	2.93	0.18	38	7.63	0.127
REP 1346542	QC	0.81	16.46	42.25	119.2	335	18.9	8.1	413	2.69	19.0	1.2	0.9	1.2	170.7	0.38	3.03	0.19	39	7.57	0.129
1346550	Soil	0.99	8.18	450.5	692.1	82	11.2	6.1	1395	3.01	6.0	0.9	0.3	2.2	38.8	1.73	0.30	0.10	17	9.10	0.075
REP 1346550	QC	1.03	8.12	447.2	674.8	85	9.8	5.7	1421	3.01	6.2	0.9	0.7	2.2	39.2	1.73	0.28	0.09	17	9.09	0.077
1346888	Soil	1.17	25.20	23.56	117.9	150	19.9	8.7	545	2.11	8.5	2.9	2.0	1.3	65.7	0.40	0.53	0.14	26	4.47	0.090
REP 1346888	QC	1.19	26.04	23.85	116.9	154	20.8	8.4	540	2.10	8.5	2.9	1.4	1.4	66.4	0.38	0.54	0.15	25	4.45	0.090
1346156	Soil	2.21	15.51	11.78	71.3	85	27.3	8.2	294	2.06	21.3	0.9	0.9	1.5	147.3	0.42	0.54	0.13	40	8.92	0.063
REP 1346156	QC	2.22	15.67	11.79	73.2	88	28.4	8.8	297	2.09	21.6	0.9	0.2	1.7	156.7	0.41	0.58	0.13	40	9.00	0.067
Reference Materials																					
STD DS9	Standard	14.44	113.6	129.4	308.8	2035	41.7	7.8	598	2.45	25.7	2.8	124.3	7.0	77.3	2.37	5.59	6.73	42	0.77	0.085
STD DS9	Standard	13.36	108.9	125.4	299.8	1846	40.7	7.6	568	2.27	26.7	2.7	121.4	6.4	73.6	2.38	6.19	7.13	39	0.74	0.084
STD DS9	Standard	13.90	114.5	129.1	309.2	1856	41.6	7.9	594	2.36	26.1	3.0	113.3	6.8	66.6	2.55	4.90	6.06	41	0.74	0.082
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	0.03	0.04	0.2	<2	<0.1	<0.1	4	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.02	<0.02	<0.02	<2	0.04	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.02	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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 650-200 Burrard St.
 Vancouver BC V6C 3L6 Canada

Project: CAR
 Report Date: August 16, 2012

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI12000525.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
1346852	Soil	7.3	11.6	4.16	102.0	0.006	6	0.49	0.010	0.10	<0.1	1.9	0.63	<0.02	36	0.1	<0.02	1.6
REP 1346852	QC	8.0	12.4	4.72	111.5	0.006	5	0.67	0.011	0.12	<0.1	2.1	0.68	<0.02	32	0.2	<0.02	1.6
1346860	Soil	14.8	26.8	2.45	171.2	0.006	4	1.27	0.007	0.11	<0.1	4.9	0.50	<0.02	62	0.4	0.02	3.6
REP 1346860	QC	15.2	25.7	2.48	172.5	0.007	5	1.32	0.007	0.11	<0.1	5.1	0.52	<0.02	61	0.3	0.04	3.7
1346542	Soil	13.9	19.7	0.68	134.5	0.007	2	1.33	0.011	0.05	0.1	2.4	0.23	0.05	195	0.3	0.06	3.1
REP 1346542	QC	14.5	20.4	0.68	138.6	0.008	2	1.38	0.011	0.06	0.1	2.7	0.26	0.05	185	0.3	0.03	3.3
1346550	Soil	6.2	11.8	6.29	43.1	0.006	2	0.80	0.011	0.07	<0.1	2.3	1.25	0.03	76	0.2	<0.02	1.8
REP 1346550	QC	6.2	11.6	6.33	42.9	0.005	2	0.79	0.012	0.07	<0.1	2.3	1.21	0.03	66	<0.1	<0.02	1.9
1346888	Soil	10.7	20.4	2.47	161.3	0.007	5	1.17	0.004	0.09	<0.1	2.9	0.21	0.07	86	0.6	<0.02	3.1
REP 1346888	QC	10.9	20.7	2.48	168.7	0.007	6	1.16	0.004	0.09	<0.1	2.9	0.20	0.07	72	0.7	0.03	3.2
1346156	Soil	11.3	17.2	4.76	85.4	0.006	5	0.85	0.008	0.10	0.1	2.4	0.39	0.04	36	<0.1	0.07	2.0
REP 1346156	QC	11.8	17.5	4.80	87.4	0.006	6	0.86	0.008	0.09	0.1	2.5	0.39	0.04	36	0.3	0.05	2.2
Reference Materials																		
STD DS9	Standard	16.1	121.6	0.64	324.6	0.116	3	1.05	0.108	0.41	3.0	2.7	5.80	0.17	211	5.4	5.70	5.1
STD DS9	Standard	14.3	106.0	0.61	316.6	0.108	2	1.00	0.114	0.42	3.0	2.6	5.54	0.16	231	5.5	5.16	4.7
STD DS9	Standard	14.1	115.9	0.62	296.4	0.109	2	0.96	0.084	0.41	3.2	2.5	5.79	0.17	194	5.5	5.31	4.6
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59
BLK	Blank	<0.5	<0.5	0.02	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: August 02, 2012
Report Date: September 07, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI12000535.1

CLIENT JOB INFORMATION

Project: CAR
Shipment ID: 2012-7
P.O. Number: NA-12359
Number of Samples: 44

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

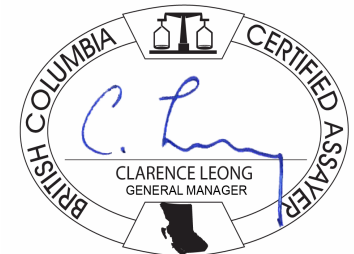
Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
Canada

CC: Samantha Dyck
Simon Ridgway
Database Backup

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	44	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	44	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD	20	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN
7TD.1	3	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: CAR
 Report Date: September 07, 2012

Page: 2 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI12000535.1

Method	Analyte	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1303451	Rock	1.46	0.22	57.59	1.77	64.8	6	14.3	4.3	272	3.63	0.4	<0.1	<0.2	0.4	4.1	0.10	0.05	0.04	22	0.01	
1303452	Rock	1.16	0.63	38.43	7.71	28.7	11	12.2	4.1	923	1.17	1.3	1.4	11.9	1.1	2526	0.14	0.04	0.18	4	30.84	
1303453	Rock	1.53	0.30	1.75	2.18	17.1	24	1.5	0.9	116	0.26	2.1	5.2	0.7	0.3	1402	0.10	0.07	<0.02	<2	36.87	
1303454	Rock	2.03	2.91	3.56	711.6	>10000	897	4.3	1.9	929	7.40	6.2	2.2	0.7	0.3	42.4	54.78	2.44	<0.02	<2	15.63	
1303455	Rock	2.01	1.38	5.66	1458	>10000	387	6.3	0.6	989	39.20	4.6	3.0	0.6	0.3	3.5	6.74	1.24	<0.02	13	0.13	
1303456	Rock	2.22	2.20	2.92	1218	>10000	151	18.7	6.4	1284	39.78	1.1	3.5	<0.2	0.3	1.9	14.41	0.04	<0.02	14	0.14	
1303457	Rock	2.99	1.04	1.56	2947	>10000	207	4.4	0.8	692	35.19	2.7	2.4	1.8	0.5	1.7	6.92	0.03	<0.02	11	0.14	
1303458	Rock	1.47	0.34	0.58	20.82	856.5	19	1.3	0.4	1340	0.77	1.2	0.9	<0.2	0.3	65.7	2.88	0.02	<0.02	<2	20.28	
1303459	Rock	1.97	0.19	1.66	767.2	>10000	42	3.6	0.4	896	31.79	0.7	2.1	1.0	0.4	<0.5	12.93	<0.02	<0.02	13	0.12	
1303460	Rock	1.27	1.21	4.59	3203	>10000	4314	15.1	4.0	284	37.79	3.5	2.6	<0.2	0.2	0.6	8.97	1.13	<0.02	11	0.07	
1303461	Rock	1.94	0.01	<0.01	5.84	36.2	5	0.5	0.7	1014	1.42	<0.1	1.0	1.2	<0.1	271.1	0.03	<0.02	<0.02	<2	31.60	
1303462	Rock	1.49	0.17	0.30	1.24	33.4	2	<0.1	0.7	397	0.75	0.4	0.9	1.4	0.1	720.1	0.06	<0.02	<0.02	<2	36.99	
1303463	Rock	0.72	1.01	3.25	1261	>10000	193	3.6	0.8	898	39.62	3.7	3.1	1.1	0.7	5.2	17.59	0.32	<0.02	14	0.27	
1303464	Rock	2.47	0.23	1.48	1162	>10000	116	2.0	0.5	258	30.94	2.5	0.8	<0.2	0.5	1.9	6.40	0.18	<0.02	14	0.09	
1303465	Rock	2.26	1.68	3.58	564.0	>10000	87	14.3	6.7	1139	38.26	1.5	3.1	<0.2	0.6	2.3	8.21	0.12	<0.02	11	0.09	
1303466	Rock	1.27	0.39	0.50	23.88	3581	15	<0.1	0.3	2647	2.43	0.8	0.6	0.3	<0.1	36.3	22.20	<0.02	<0.02	<2	19.24	
1303467	Rock	2.08	0.65	0.13	43.83	3784	7	<0.1	0.4	2547	2.11	1.7	0.6	0.9	<0.1	36.8	6.41	<0.02	<0.02	<2	18.70	
1303468	Rock	1.99	0.16	75.22	45.31	74.1	22	27.9	14.3	470	5.72	1.3	1.5	0.2	2.6	11.4	0.07	0.13	0.27	29	0.08	
1303469	Rock	2.24	1.28	0.44	5.42	223.4	15	0.4	0.5	470	0.19	3.1	1.0	<0.2	<0.1	57.2	1.76	0.04	<0.02	<2	20.51	
1303470	Rock	1.47	0.12	0.53	625.4	531.4	105	0.8	0.5	716	0.28	2.0	0.4	<0.2	0.4	132.4	7.80	0.15	<0.02	<2	18.37	
1303471	Rock	1.67	4.95	13.05	6099	>10000	330	11.4	0.7	420	>40	69.4	2.7	0.5	<0.1	1.5	9.71	1.54	<0.02	19	0.19	
1303472	Rock	1.62	1.96	71.69	3275	>10000	10307	3.2	0.6	236	1.76	24.0	0.4	0.8	<0.1	2.0	>2000	18.70	<0.02	<2	0.41	
1303473	Rock	2.07	2.51	4.97	4725	>10000	277	3.5	0.3	447	31.13	13.2	2.7	<0.2	<0.1	0.9	7.83	0.79	<0.02	15	0.06	
1303474	Rock	1.30	1.81	6.16	1380	>10000	211	35.9	3.2	403	>40	3.3	2.9	2.2	0.3	3.7	11.82	0.35	<0.02	14	0.08	
1303475	Rock	1.88	6.38	8.23	218.0	50.5	322	1.9	0.4	302	>40	2.2	1.9	0.6	<0.1	0.7	0.16	0.79	<0.02	12	0.10	
1303476	Rock	2.15	3.13	14.10	4087	5983	4910	0.4	0.3	282	34.64	38.8	2.6	0.9	<0.1	5.0	6.72	8.55	<0.02	12	1.32	
1303477	Rock	1.30	1.59	5.58	41.45	119.5	353	3.8	2.0	44	1.56	26.6	2.0	<0.2	<0.1	7.7	0.45	2.46	<0.02	6	0.85	
1303478	Rock	0.85	0.10	3.10	3.88	25.4	15	3.7	0.8	51	0.28	7.5	1.9	<0.2	0.3	36.6	0.19	0.22	<0.02	3	37.82	
1303479	Rock	2.09	13.35	1.46	187.2	2512	388	2.4	1.7	507	13.77	81.1	5.1	0.8	0.1	61.2	1.71	3.25	<0.02	4	12.62	
1303480	Rock	2.73	2.77	1.62	177.3	2349	215	1.2	1.1	682	12.77	20.3	2.8	<0.2	0.1	56.4	1.80	2.11	<0.02	2	12.36	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CAR
 Report Date: September 07, 2012

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CERTIFICATE OF ANALYSIS

WHI12000535.1

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Weight	Pb	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1	0.02	
1303451	Rock	0.006	0.7	7.6	0.48	16.0	0.002	2	1.27	0.006	0.04	<0.1	2.6	<0.02	<0.02	<5	<0.1	0.04	4.1	15.63	
1303452	Rock	0.009	29.8	4.7	1.51	2576	<0.001	2	0.16	0.007	0.05	<0.1	2.6	<0.02	0.05	<5	0.5	0.19	0.5	15.02	
1303453	Rock	0.014	3.7	1.3	0.24	14.8	<0.001	<1	0.04	0.003	0.01	<0.1	0.5	<0.02	<0.02	17	<0.1	0.05	0.1	14.87	
1303454	Rock	0.135	3.5	1.2	9.30	6.0	0.001	1	0.05	0.007	0.02	<0.1	0.9	0.23	<0.02	304	0.8	<0.02	0.2	14.98	0.09
1303455	Rock	0.031	2.1	1.7	0.09	23.9	<0.001	<1	0.07	<0.001	<0.01	<0.1	0.9	1.79	0.03	199	<0.1	0.07	0.5	15.17	0.22
1303456	Rock	0.049	1.7	1.7	0.14	27.4	<0.001	<1	0.05	<0.001	<0.01	<0.1	0.7	4.06	0.02	336	0.8	0.04	0.8	14.48	0.17
1303457	Rock	0.053	1.5	2.6	0.10	10.1	<0.001	<1	0.08	<0.001	0.01	<0.1	1.0	3.16	0.03	459	<0.1	0.02	1.3	15.42	0.46
1303458	Rock	0.036	1.9	1.3	12.00	6.6	<0.001	1	0.05	0.007	0.02	<0.1	0.6	0.26	<0.02	10	<0.1	<0.02	0.1	15.23	
1303459	Rock	0.014	1.5	2.9	0.06	6.3	<0.001	<1	0.07	<0.001	0.01	<0.1	1.0	5.97	0.03	156	<0.1	0.06	0.4	15.42	0.12
1303460	Rock	0.038	1.3	1.3	0.07	7.2	<0.001	<1	0.17	<0.001	<0.01	<0.1	0.7	4.10	0.03	1593	0.3	0.03	1.1	15.56	0.43
1303461	Rock	0.021	<0.5	0.9	3.43	8.4	<0.001	<1	0.01	0.011	<0.01	<0.1	0.1	<0.02	<0.02	7	<0.1	0.03	<0.1	14.34	
1303462	Rock	0.042	<0.5	1.1	0.85	14.9	<0.001	<1	0.03	0.019	0.01	<0.1	0.9	<0.02	0.06	<5	<0.1	0.10	<0.1	15.3	
1303463	Rock	0.039	3.0	2.7	0.07	30.8	<0.001	<1	0.09	<0.001	0.02	<0.1	1.1	2.94	0.05	705	0.1	0.03	0.6	15.55	0.17
1303464	Rock	0.037	0.8	2.0	0.03	16.7	<0.001	<1	0.07	<0.001	0.02	<0.1	0.7	0.35	0.06	1122	<0.1	0.02	1.1	14.75	0.18
1303465	Rock	0.037	1.0	3.1	0.10	53.3	<0.001	<1	0.09	<0.001	0.02	<0.1	0.9	3.87	0.03	545	0.1	<0.02	1.0	15.44	0.09
1303466	Rock	0.018	3.2	0.7	10.58	4.2	<0.001	<1	0.03	0.005	<0.01	<0.1	0.3	0.10	0.07	16	<0.1	0.04	0.3	15.19	
1303467	Rock	0.019	2.1	1.0	10.83	3.9	<0.001	<1	0.03	0.006	0.01	<0.1	0.3	0.10	0.07	17	<0.1	<0.02	0.3	15.09	
1303468	Rock	0.011	3.5	13.6	0.19	54.2	<0.001	2	1.03	<0.001	0.04	<0.1	4.0	0.06	<0.02	6	<0.1	<0.02	3.9	15.38	
1303469	Rock	0.009	0.7	0.5	12.48	4.1	<0.001	<1	0.02	0.007	<0.01	<0.1	0.3	0.05	<0.02	51	<0.1	<0.02	<0.1	14.62	
1303470	Rock	0.031	2.2	1.7	10.81	10.4	<0.001	2	0.09	0.008	0.04	<0.1	0.6	0.09	<0.02	348	<0.1	<0.02	0.2	14.94	
1303471	Rock	0.051	3.2	6.2	0.14	18.3	<0.001	<1	0.09	<0.001	<0.01	<0.1	1.3	1.22	<0.02	516	0.6	0.05	1.9	14.52	0.70
1303472	Rock	0.021	0.9	7.8	0.29	4.9	<0.001	<1	0.04	<0.001	<0.01	<0.1	0.7	0.85	0.03	>50000	20.6	<0.02	28.5	15.03	0.27
1303473	Rock	0.022	0.9	5.7	0.07	13.1	<0.001	<1	0.03	<0.001	<0.01	<0.1	0.7	1.89	<0.02	489	0.4	<0.02	0.9	15.16	0.70
1303474	Rock	0.020	2.5	2.9	0.06	6.2	<0.001	<1	0.06	<0.001	0.01	<0.1	0.8	7.20	<0.02	703	0.6	<0.02	1.7	15.01	0.18
1303475	Rock	0.010	<0.5	<0.5	0.11	5.4	<0.001	<1	0.01	<0.001	<0.01	<0.1	0.8	1.43	0.03	367	<0.1	0.04	0.2	14.45	
1303476	Rock	0.025	<0.5	0.8	0.91	3.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.3	11.76	0.17	4219	0.2	<0.02	0.8	15.48	
1303477	Rock	0.222	1.0	2.0	0.20	1.9	<0.001	<1	<0.01	0.001	<0.01	<0.1	0.1	0.84	1.29	47	<0.1	0.06	<0.1	14.6	
1303478	Rock	0.012	2.9	1.7	0.35	6.0	<0.001	<1	0.05	<0.001	0.02	<0.1	0.5	0.10	<0.02	27	<0.1	<0.02	0.1	15.42	
1303479	Rock	0.085	1.9	1.3	3.56	5.6	<0.001	<1	0.02	0.003	<0.01	<0.1	0.2	53.79	8.17	1972	<0.1	0.04	0.5	15.15	
1303480	Rock	0.062	1.4	1.4	3.78	6.4	<0.001	<1	0.02	0.003	<0.01	<0.1	0.2	51.60	8.62	1563	<0.1	<0.02	0.4	15.73	



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CERTIFICATE OF ANALYSIS

WHI12000535.1

Table with columns: Method, Analyte, Unit, MDL, 7TD Zn, 7TD.1 Zn. Rows 1303451-1303480.



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CERTIFICATE OF ANALYSIS

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Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1303481	Rock	1.43	3.92	3.05	184.9	103.1	86	1.2	0.7	532	13.06	21.7	1.6	<0.2	<0.1	22.5	0.08	0.99	<0.02	4	8.12
1298658	Rock	2.87	0.36	0.21	13.80	40.3	14	0.9	0.4	1422	0.58	1.3	1.0	<0.2	0.1	80.9	0.10	0.03	<0.02	<2	19.79
1298659	Rock	1.03	9.23	7.90	7612	>10000	1670	15.9	3.4	348	>40	21.1	3.7	1.1	0.3	0.8	13.08	5.28	<0.02	17	0.17
1298660	Rock	1.74	4.32	6.78	>10000	>10000	930	8.3	2.0	280	>40	13.8	4.2	1.2	0.3	2.6	18.28	3.93	0.09	8	0.10
1298661	Rock	2.69	1.81	51.25	>10000	>10000	5332	1.6	0.8	256	2.08	21.7	0.7	<0.2	0.2	3.0	>2000	18.75	0.19	3	0.41
1298662	Rock	2.68	0.76	65.42	4963	>10000	20148	3.7	1.8	388	1.41	9.2	0.5	<0.2	0.2	4.5	>2000	6.48	0.02	3	0.32
1298663	Rock	2.08	1.74	42.80	2205	>10000	206	31.9	11.0	609	>40	13.8	5.3	0.8	1.1	2.3	13.23	2.42	0.04	12	0.13
1298664	Rock	1.87	4.25	3.22	>10000	>10000	475	5.3	1.6	355	>40	15.7	4.2	<0.2	0.3	3.0	21.56	4.33	0.03	8	0.09
1298665	Rock	2.28	4.21	0.81	1092	>10000	115	2.1	0.3	120	34.69	7.2	2.9	0.6	<0.1	0.8	14.02	0.47	<0.02	7	0.04
1298666	Rock	1.60	0.04	4.31	17.35	69.2	44	7.8	1.8	224	1.02	4.2	3.9	0.3	1.5	555.7	0.27	0.21	<0.02	15	30.48
1298667	Rock	0.53	13.40	8.67	595.1	6055	1185	2.3	1.0	393	>40	35.1	5.0	0.8	0.1	5.0	2.07	8.59	<0.02	7	0.38
1298668	Rock	1.67	1.91	3.23	1628	4559	454	0.8	0.2	323	39.88	9.2	2.6	1.6	<0.1	3.8	1.17	1.01	<0.02	5	0.23
1298669	Rock	1.66	0.26	0.89	5.21	38.1	21	2.6	0.6	156	0.19	4.3	1.8	<0.2	0.3	63.4	0.17	0.19	<0.02	11	22.09
1298670	Rock	1.20	0.65	6.88	8.52	25.1	21	4.0	0.9	86	0.42	4.2	6.2	<0.2	1.1	190.7	0.25	0.51	0.02	37	21.34



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CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Weight	Pb	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1	0.02	
1303481	Rock	0.050	0.9	1.0	3.14	2.3	<0.001	<1	0.01	0.002	<0.01	<0.1	0.2	50.25	9.19	466	0.2	<0.02	<0.1	15.29	
1298658	Rock	0.020	1.4	0.9	11.77	3.4	<0.001	<1	0.03	0.007	<0.01	<0.1	0.3	<0.02	<0.02	13	<0.1	0.08	<0.1	14.45	
1298659	Rock	0.042	1.4	3.1	0.08	5.0	<0.001	<1	0.11	<0.001	0.02	<0.1	0.9	3.85	0.10	4460	0.3	<0.02	2.9	15.04	0.87
1298660	Rock	0.038	1.7	1.7	0.07	5.1	<0.001	2	0.05	0.003	0.01	<0.1	0.6	5.61	0.08	2946	0.8	0.07	2.1	15.7	2.67
1298661	Rock	0.019	1.0	2.5	0.34	10.1	0.001	10	0.06	0.008	<0.01	<0.1	0.5	1.17	0.21	>50000	35.1	0.23	24.4	15.24	1.44
1298662	Rock	0.025	1.4	<0.5	0.20	10.2	0.002	6	0.09	0.008	0.02	<0.1	<0.1	1.24	0.11	>50000	24.0	0.63	20.6	15.41	0.40
1298663	Rock	0.041	1.5	3.7	0.08	11.0	<0.001	3	0.24	0.002	0.02	<0.1	3.0	9.48	0.06	751	0.6	0.06	5.3	14.94	0.28
1298664	Rock	0.023	1.5	1.3	0.05	3.5	<0.001	1	0.03	0.002	0.01	<0.1	0.7	3.98	0.08	1834	0.8	0.05	3.0	15.26	1.51
1298665	Rock	0.014	0.6	3.5	0.04	10.0	<0.001	1	0.02	0.002	<0.01	<0.1	0.7	18.33	0.21	1463	0.5	0.07	1.2	14.48	0.17
1298666	Rock	0.008	5.9	9.5	1.93	24.8	<0.001	2	0.28	0.078	0.03	<0.1	1.5	<0.02	<0.02	225	0.2	<0.02	0.8	14.78	
1298667	Rock	0.034	1.1	1.2	0.36	14.1	<0.001	<1	0.03	0.003	<0.01	<0.1	0.5	8.14	0.21	2952	0.2	0.08	0.7	14.6	
1298668	Rock	0.018	0.5	<0.5	0.28	1.3	<0.001	<1	<0.01	0.002	<0.01	<0.1	0.4	6.68	0.05	1358	0.3	<0.02	0.2	15.39	
1298669	Rock	0.010	1.7	2.5	10.88	15.9	<0.001	1	0.07	0.008	0.03	<0.1	0.5	0.11	<0.02	44	0.2	0.05	0.2	14.28	
1298670	Rock	0.067	3.6	17.1	9.82	16.1	0.002	8	0.30	0.025	0.14	<0.1	1.1	0.26	<0.02	93	0.1	0.05	0.8	15.55	



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CERTIFICATE OF ANALYSIS

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	Method	7TD	7TD.1
	Analyte	Zn	Zn
	Unit	%	%
	MDL	0.01	0.01
1303481	Rock		
1298658	Rock		
1298659	Rock	2.44	
1298660	Rock	3.07	
1298661	Rock	>40	49.67
1298662	Rock	>40	53.00
1298663	Rock	2.73	
1298664	Rock	3.07	
1298665	Rock	2.30	
1298666	Rock		
1298667	Rock		
1298668	Rock		
1298669	Rock		
1298670	Rock		



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QUALITY CONTROL REPORT

WHI12000535.1

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1303460	Rock	1.27	1.21	4.59	3203	>10000	4314	15.1	4.0	284	37.79	3.5	2.6	<0.2	0.2	0.6	8.97	1.13	<0.02	11	0.07
REP 1303460	QC																				
1303462	Rock	1.49	0.17	0.30	1.24	33.4	2	<0.1	0.7	397	0.75	0.4	0.9	1.4	0.1	720.1	0.06	<0.02	<0.02	<2	36.99
REP 1303462	QC		0.16	0.39	1.28	31.4	<2	0.7	0.5	388	0.75	0.4	0.9	<0.2	0.1	691.9	0.08	<0.02	<0.02	<2	36.69
1303469	Rock	2.24	1.28	0.44	5.42	223.4	15	0.4	0.5	470	0.19	3.1	1.0	<0.2	<0.1	57.2	1.76	0.04	<0.02	<2	20.51
REP 1303469	QC		1.34	0.57	5.29	206.6	13	0.5	0.5	475	0.20	3.1	1.0	0.3	<0.1	54.7	1.65	0.05	<0.02	<2	20.21
1303472	Rock	1.62	1.96	71.69	3275	>10000	10307	3.2	0.6	236	1.76	24.0	0.4	0.8	<0.1	2.0	>2000	18.70	<0.02	<2	0.41
REP 1303472	QC																				
1298662	Rock	2.68	0.76	65.42	4963	>10000	20148	3.7	1.8	388	1.41	9.2	0.5	<0.2	0.2	4.5	>2000	6.48	0.02	3	0.32
REP 1298662	QC																				
1298665	Rock	2.28	4.21	0.81	1092	>10000	115	2.1	0.3	120	34.69	7.2	2.9	0.6	<0.1	0.8	14.02	0.47	<0.02	7	0.04
REP 1298665	QC																				
1298670	Rock	1.20	0.65	6.88	8.52	25.1	21	4.0	0.9	86	0.42	4.2	6.2	<0.2	1.1	190.7	0.25	0.51	0.02	37	21.34
REP 1298670	QC		0.63	6.76	8.06	24.8	19	4.4	1.1	86	0.42	4.7	6.1	<0.2	1.1	188.3	0.24	0.53	0.03	38	21.35
Core Reject Duplicates																					
1303461	Rock	1.94	0.01	<0.01	5.84	36.2	5	0.5	0.7	1014	1.42	<0.1	1.0	1.2	<0.1	271.1	0.03	<0.02	<0.02	<2	31.60
DUP 1303461	QC		0.01	<0.01	4.15	26.6	7	<0.1	0.5	945	1.46	0.3	0.9	1.2	<0.1	257.9	0.03	<0.02	<0.02	<2	29.67
Reference Materials																					
STD CCU-1C	Standard																				
STD CCU-1C	Standard																				
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD CZN-3	Standard																				
STD CZN-3	Standard																				
STD DS9	Standard		13.64	108.2	125.9	299.4	1898	40.9	8.0	564	2.34	26.8	3.0	118.0	7.1	81.5	2.33	5.63	6.82	39	0.77
STD DS9	Standard		13.34	109.2	130.2	302.2	1910	39.6	7.2	584	2.22	25.2	3.0	112.3	7.1	85.0	2.41	6.03	7.08	41	0.77

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Weight	Pb
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g	%
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1	0.02
Pulp Duplicates																					
1303460	Rock	0.038	1.3	1.3	0.07	7.2	<0.001	<1	0.17	<0.001	<0.01	<0.1	0.7	4.10	0.03	1593	0.3	0.03	1.1	15.56	0.43
REP 1303460	QC																				0.43
1303462	Rock	0.042	<0.5	1.1	0.85	14.9	<0.001	<1	0.03	0.019	0.01	<0.1	0.9	<0.02	0.06	<5	<0.1	0.10	<0.1	15.3	
REP 1303462	QC	0.044	<0.5	1.1	0.85	13.8	<0.001	<1	0.03	0.019	0.01	<0.1	0.8	<0.02	0.06	6	<0.1	0.07	<0.1	15.41	
1303469	Rock	0.009	0.7	0.5	12.48	4.1	<0.001	<1	0.02	0.007	<0.01	<0.1	0.3	0.05	<0.02	51	<0.1	<0.02	<0.1	14.62	
REP 1303469	QC	0.009	0.7	0.6	12.29	4.1	<0.001	<1	0.02	0.007	<0.01	<0.1	0.3	0.05	<0.02	46	<0.1	0.02	<0.1	15.33	
1303472	Rock	0.021	0.9	7.8	0.29	4.9	<0.001	<1	0.04	<0.001	<0.01	<0.1	0.7	0.85	0.03	>50000	20.6	<0.02	28.5	15.03	0.27
REP 1303472	QC																				
1298662	Rock	0.025	1.4	<0.5	0.20	10.2	0.002	6	0.09	0.008	0.02	<0.1	<0.1	1.24	0.11	>50000	24.0	0.63	20.6	15.41	0.40
REP 1298662	QC																				
1298665	Rock	0.014	0.6	3.5	0.04	10.0	<0.001	1	0.02	0.002	<0.01	<0.1	0.7	18.33	0.21	1463	0.5	0.07	1.2	14.48	0.17
REP 1298665	QC																				0.17
1298670	Rock	0.067	3.6	17.1	9.82	16.1	0.002	8	0.30	0.025	0.14	<0.1	1.1	0.26	<0.02	93	0.1	0.05	0.8	15.55	
REP 1298670	QC	0.068	3.7	17.8	9.66	16.5	0.002	9	0.32	0.026	0.14	<0.1	1.0	0.24	0.03	111	0.2	0.09	0.9	15.28	
Core Reject Duplicates																					
1303461	Rock	0.021	<0.5	0.9	3.43	8.4	<0.001	<1	0.01	0.011	<0.01	<0.1	0.1	<0.02	<0.02	7	<0.1	0.03	<0.1	14.34	
DUP 1303461	QC	0.021	<0.5	0.5	3.22	7.9	<0.001	<1	0.01	0.011	<0.01	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	<0.1	15.28	
Reference Materials																					
STD CCU-1C	Standard																				
STD CCU-1C	Standard																				
STD CDN-ME-14	Standard																				0.51
STD CDN-ME-9	Standard																				<0.02
STD CDN-ME-14	Standard																				0.51
STD CDN-ME-9	Standard																				<0.02
STD CZN-3	Standard																				
STD CZN-3	Standard																				
STD DS9	Standard	0.086	15.3	117.9	0.63	312.2	0.123	2	1.00	0.086	0.41	3.0	2.7	5.65	0.16	211	5.9	5.16	4.9	15.68	
STD DS9	Standard	0.081	14.6	115.0	0.64	305.3	0.120	3	1.03	0.090	0.41	3.0	2.6	5.91	0.16	170	5.1	5.58	4.8	14.53	



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Method	7TD	7TD.1
Analyte	Zn	Zn
Unit	%	%
MDL	0.01	0.01
Pulp Duplicates		
1303460	Rock	2.03
REP 1303460	QC	2.04
1303462	Rock	
REP 1303462	QC	
1303469	Rock	
REP 1303469	QC	
1303472	Rock	>40 47.87
REP 1303472	QC	47.70
1298662	Rock	>40 53.00
REP 1298662	QC	50.38
1298665	Rock	2.30
REP 1298665	QC	2.30
1298670	Rock	
REP 1298670	QC	
Core Reject Duplicates		
1303461	Rock	
DUP 1303461	QC	
Reference Materials		
STD CCU-1C	Standard	3.98
STD CCU-1C	Standard	4.08
STD CDN-ME-14	Standard	3.26
STD CDN-ME-9	Standard	0.01
STD CDN-ME-14	Standard	3.32
STD CDN-ME-9	Standard	0.01
STD CZN-3	Standard	50.99
STD CZN-3	Standard	50.25
STD DS9	Standard	
STD DS9	Standard	



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		WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD PTC-1A	Standard																				
STD PTC-1A	Standard																				
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-14 Expected																					
STD CDN-ME-9 Expected																					
STD CZN-3 Expected																					
STD CCU-1C Expected																					
BLK	Blank		<0.01	0.01	0.18	1.9	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	0.01
BLK	Blank																				
BLK	Blank		<0.01	<0.01	0.02	0.5	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.12	1.98	2.94	44.0	15	3.8	4.2	579	1.91	0.2	1.8	3.5	5.9	65.7	0.02	0.08	0.11	37	0.50
G1-WHI	Prep Blank		0.12	1.66	2.81	44.8	11	3.2	3.8	573	1.90	<0.1	1.6	0.7	5.1	64.5	0.02	<0.02	0.07	36	0.56



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		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Weight	Pb	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g	%	
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1	0.02	
STD PTC-1A	Standard																					
STD PTC-1A	Standard																					
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59			
STD CDN-ME-14 Expected																					0.495	
STD CDN-ME-9 Expected																						
STD CZN-3 Expected																						
STD CCU-1C Expected																						
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	15		
BLK	Blank																				<0.02	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	15		
BLK	Blank																				<0.02	
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
G1-WHI	Prep Blank	0.068	14.5	9.2	0.51	155.2	0.112	<1	0.92	0.092	0.47	<0.1	2.4	0.33	<0.02	<5	<0.1	0.05	5.1	14.82		
G1-WHI	Prep Blank	0.069	13.6	5.0	0.52	152.6	0.110	<1	0.91	0.092	0.47	0.1	2.3	0.31	<0.02	<5	<0.1	0.02	4.8	15.26		



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Table with 3 columns: Sample Name, Description, and Zn % values for various standards and blanks.

Appendix B:

2012 Rock Sample Locations, Descriptions and Analytical Results

2011 and 2012 Rock Locations, Descriptions and Analytical Results

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)
118451	FT	2011-06-25	UTM83-8	7124535	595924	873	WHI11000455	Discovery Zone. Grab of iron oxide rubble on knob-ridge near old DDH site. Minor specks galena in FeOx, very porous, approximate float trend 020 deg.	2.17		0.05	0.63	9.9	3	10	264	0.05	28.1	0.3	5.8	8		7.1	1.97	3		0.005	0.13	15	0.56	1045
118606	RH	2011-06-25	UTM83-8	7123118	600500	1380	WHI11000455	Discovery Zone. Grab of brecciated dolomite, crystallized, vuggy, zebra textured, cavities filled with crystalline calcite, yellow-brown sphalerite, possible barite, minor open spaces.	1.64		0.2	0.06	5.2	1	10	20	0.05	0.48	49.4	0.5	1		2	40	1		0.89	0.01	1	0.29	511
118607	RH	2011-06-25	UTM83-8	7123104	600497	1385	WHI11000455	Discovery Zone. Grab of brecciated dolomite, crystallized, vuggy, zebra textured, cavities filled with crystalline calcite, yellow-brown sphalerite, possible barite, minor open spaces.	0.89		0.2	0.06	3.8	1	10	22	0.05	18.48	45.5	0.3	0.5		1.4	0.89	2		1.59	0.02	1	9.4	1386
118759	CM	2011-06-26	UTM83-8	7126230	593170	1405	WHI11000455	Outcrop volcanic? smell of sulphur	0.86		0.05	4.18	0.25	5	10	85	0.05	2.84	0.1	34.7	48		65.3	7.59	17		0.005	0.06	18	4.45	954
118760	CM	2011-06-26	UTM83-8	7126146	593058	1356	WHI11000455	Flood volcanic, sx? mag?	4.02		0.05	2.97	0.7	1	10	65	0.05	4.49	0.3	28.4	3		67.6	5.24	10		0.005	0.16	20	2.32	939
118761	CM	2011-06-26	UTM83-8	7125967	592866	1326	WHI11000455	Fine grained sulphide (cpy) in dolomized rock/ limestone	0.97		0.05	0.1	36.7	1	10	37	0.05	25.46	0.2	0.5	4		1	0.26	0.5		0.005	0.05	2	7.7	102
118762	JB	2011-06-29	UTM83-8	7128755	592866		WHI11000455	Rock sample of gossanous structure, perhaps series of structures running parallel in a vertical fashion from surface in a E-W distribution (structures 8 m along ridge). Quartz appearing in vein/breccia vugs. Clasts appear weathered out.	2.04		0.05	0.005	6.7	1	10	2	0.05	0.71	0.7	0.1	0.5		1	11.87	0.5		0.68	0.005	0.5	0.38	193
118763	JB	2011-06-29	UTM83-8	7128557	592469	1216	WHI11000455	Larry Zone. Along north side of base of small gossanous cliff, mottled grey and white variably siliceous and vuggy grey dolomite, well fractured. No visible pyrite or other sulfides. FeOx filled fractures.	2.54		0.3	0.005	9	1	10	2	0.05	8.42	1.2	0.4	0.5		1.2	1.7	0.5		0.31	0.005	0.5	4.1	591
118764	JB	2011-06-29	UTM83-8	7128555	592477	1223	WHI11000455	Larry Zone. Along south side of base of small gossanous cliff, mottled grey and white variably siliceous and vuggy grey dolomite, well fractured. No visible pyrite or other sulfides. FeOx filled fractures.	2.44		0.05	0.01	3.3	1	10	3	0.05	13.27	0.2	0.2	1		0.5	0.43	0.5		0.06	0.005	0.5	7.25	771
118765	JB	2011-06-29	UTM83-8	7128558	592487	1237	WHI11000455	Larry Zone. Upper south side. Siliceous dolomite, minor FeOx, same mottled texture as 118763 and 764. Possibly an altered intrusive?	2.53		0.05	0.005	3.5	1	10	2	0.05	10.2	0.6	0.2	1		0.7	0.61	0.5		0.1	0.005	0.5	5.74	551
119174	LB	2011-06-25	UTM83-8	7123035	597224	1440	WHI11000455	RH Description; Brown and rusty weathering, light grey dolomite with 0.5-1.0% dis fine grained pyrite (and possible aspy?). Rusty weathering siliceous fault breccia - quartz veining. Trace disseminated galena, ~5% FeOx, goethite and limonite.	1.63		0.05	0.11	6.9	1	10	93	0.05	19.62	0.05	1.1	2		1.3	1.1	0.5		0.005	0.05	7	0.68	72
119175	LB	2011-06-26	UTM83-8	7128755	592870	1279	WHI11000455	Larry Zone. Weakly siliceous breccia, similar to 119175, more FeOx ~ 15%, fine grained pyrite as <1cm irregular matrix filling, trace disseminated sphalerite on fractures.	1.3		0.05	0.005	1.6	1	10	0.5	0.05	0.19	0.1	0.2	1		0.8	2.28	0.5		0.15	0.005	0.5	0.02	30
119176	LB	2011-06-26	UTM83-8	7128570	592486	1240	WHI11000455	Larry Zone. Weakly siliceous breccia, similar to 119175, more FeOx ~ 15%, fine grained pyrite as <1cm irregular matrix filling, trace disseminated sphalerite on fractures.	2.98		0.2	0.02	15.4	1	10	6	0.05	11.8	1.8	0.7	0.5		1.3	11.77	0.5		1.73	0.005	1	3.86	788
119177	LB	2011-06-27	UTM83-8	7125989	594529	1685	WHI11000455	Hematite - reddish weathering, brecciated dolomite. Disseminated pyrite, and possible galena and likely disseminate sphalerite in calcite on margin of open spaces and lining vugs and fractures.	3.06		0.05	0.11	15.9	1	10	52	0.05	33.18	0.2	0.9	8		6.5	3.82	0.5		0.03	0.04	3	0.48	29
119178	LB	2011-06-28	UTM83-8	7126792	593825	1829	WHI11000455	Pink weathering limestone-dolomite breccia, possibly recrystallized (dolomitized) fossils. Approx 1% 1-2mm round brown specks, weathered pyrite?, maybe sphalerite?. White calcite veining and breccia filling, minor MnOx	1.08		0.05	0.03	18.2	1	10	12	0.05	36.56	1.5	0.3	0.5		1.1	0.07	0.5		0.005	0.005	2	0.19	55
119179	LB	2011-06-28	UTM83-8	7126760	593873	1823	WHI11000455	As 119178	1.39		0.05	0.04	24.3	1	10	16	0.05	35.11	0.8	0.6	1		1.8	0.09	0.5		0.005	0.01	2	0.21	75
119180	LB	2011-06-28	UTM83-8	7126753	594026	1804	WHI11000455	As 119178 but slightly less pyrite.	1.38		0.05	0.03	13.4	1	10	10	0.05	35.76	1.6	0.4	0.5		1.5	0.04	0.5		0.005	0.005	2	0.2	53
119507	LB	2011-07-20	UTM83-8	7124010	599814		WHI11000886	Float from creek on LIN 70. Vuggy orange, brown, gossanous rock. Small sample.	0.3		0.05	0.34	28.9	5	10	262	0.05	0.3	1.8	7.7	10		16.7	39.87	1		0.24	0.1	12	0.22	1165
613992	RH	2012-06-27	UTM83-8	7123704	599628	1401	WHI12000251	Grey shale float in sea of red Narchilla with malachite on fractures. Shale cleavage surfaces have black stain MnO? Collected to explain any nearby Cu in soil anomaly, ie 1303502. Small pod, no lateral extent and no thickness, not a lot of float with Cu.		10065		1.36	46.2	1.2	4	701.1	3.29	0.27	0.19	13.7	13.6	1.594	10000	0.91	3.9	749		0.29	4	0.58	2521
613993	RH	2012-06-27	UTM83-8	7123701	599690	1369	WHI12000251	Float breccia in Narchilla with Narchilla clasts cemented by quartz and hematite? Possibly some chalcocite - black sooty mineral. Quartz crystals 2-3 mm, some FeOx and rock fragments. Hand Sample. 1 piece of float 10X20X10 cm.		1		0.51	3.8	1.8	2	4438.9	0.04	0.08	0.21	15.4	11.3		24.62	2.61	2.8	17		0.09	1.1	0.26	10000
613994	RH	2012-06-28	UTM83-8	7124320	599796	1308	WHI12000251	Discovery Zone. Grab from outcrop of Narchilla; <= 5 cm bed of FeOx (limonite-Goethite) with trace chalcocite and malachite and black unidentified mineral (goethite likely). Stratiform, botryoidal surfaces - see photo, poddy.		11061		4.67	50.1	10.7	4	217.9	63.57	6.35	0.15	68.5	34.2	1.498	10000	14.94	14.3	507		0.11	74.5	1.34	10000
613995	RH	2012-06-28	UTM83-8	7124488	600402	1205	WHI12000251	Discovery Zone. Outcrop, breccia limestone, dolomite, calcite veined with pyrite crystals. Possible sphalerite but no visible galena. Photo of site.		31		0.07	4.1	0.8	0.5	8.2	0.05	11.24	2.45	1.2	1.6		12.07	13.46	0.2	380		0.02	1.6	5.76	1946
613996	RH	2012-06-28	UTM83-8	7124477	600403	1207	WHI12000251	Grab, mix of subcrop and outcrop of bedded limestone and weakly brecciated and FeOx cemented limestone and white calcite veins 1-2 cm wide. Pyrite ~5%, 0.1-2% disseminated galena, sphalerite? Similar to 995 but has galena and is on strike projection. Mineralized unit might be 5 m thick or much less		60		0.06	4.4	0.4	1	5.1	0.03	10.13	48.81	0.8	1.2		6.05	17.07	0.6	385		0.02	1.7	4.26	1322
613997	RH	2012-06-29	UTM83-8	7125048	600180	1244	WHI12000251	Chopper Zone. Rock grab from massive lim-goe-FeOx subcrop 0.5 X 3 m, trace disseminated galena		586		0.04	52.8	1.4	3	18.6	0.05	0.54	14.76	0.8	1.4	0.0005	9.83	40	1.7	2710		0.005	1.5	0.39	695
613998	RH	2012-06-29	UTM83-8	7125025	600133	1262	WHI12000251	Pyrite - limestone - FeOx breccia. Similar to 995 and 996		87		0.03	8.3	0.4	0.5	3.3	0.01	13.29	1.58	1.1	0.25		5.15	11.48	0.5	299		0.01	1.5	4.44	801
613999	RH	2012-07-01	UTM83-8	7126720	599771	1225	WHI12000251	At SS 1298518. Float in creek. Breccia white and light grey limestone, generally clast < 1 cm, trace disseminated pyrite, black? In matrix. Hand sample		1		0.04	1.1	0.7	2	9.6	0.01	15.74	2.39	0.4	0.9		2.01	0.29	0.5	53		0.02	1.4	10.63	793
614000	RH	2012-07-01	UTM83-8	7122371	600566	1260	WHI12000251	Chopper Zone. Grab from gossan - FeOx, no visible sulphides, couple of geo-tul pits. Gossan unit < 3 m wide and conformable to limestone bedding.		207		0.04	5.3	1.6	2	17.6	0.01	0.34	3.79	0.7	0.25		10.66	40	1.7	1729		0.005	1.1	0.32	745

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)	
118451	2.5	0.004	7.5	0.073		4.6	0.41	0.2	3.5	0.25	355	0.1	1.3	0.002	0.1		36	0.05		40	
118606	1.4	0.002	1.9	0.055	3.43	10000	0.42	0.05	0.3	1.6		2	0.1	0.4	0.0005	10.5		3	0.05	2.83	10000
118607	0.5	0.011	0.7	0.042	0.01	39.3	0.41	0.05	0.3	0.8	66	0.1	0.2	0.001	0.4		1	0.05	1.8	10000	
118759	0.3	0.056	37.7	0.156		2.1	0.025	0.05	12.2	0.6	41	0.1	2	0.585	0.05		251	0.2			95
118760	0.9	0.132	27.7	0.163		2.2	0.025	0.05	5.8	0.25	118	0.1	2.1	0.504	0.05		159	0.2			144
118761	21	0.017	2.7	0.073		1.1	0.09	0.3	0.4	0.7	158	0.1	0.3	0.003	0.3		15	0.05			14
118762	1	0.0005	0.5	0.014		740.2	0.025	0.6	0.1	0.25	3	0.1	0.05	0.0005	3.3		1	0.05			2498
118763	1.1	0.003	1	0.011		202.5	1.07	1.2	0.05	0.25	27	0.1	0.05	0.0005	1.7		1	0.05			291
118764	0.4	0.005	1.1	0.012		11.3	0.31	0.1	0.05	0.25	54	0.1	0.05	0.0005	1.5		1	0.05			78
118765	0.4	0.004	0.5	0.01		65.5	0.22	0.2	0.05	0.25	37	0.1	0.05	0.0005	1.1		1	0.05			84
119174	0.3	0.027	2.7	0.026		25.6	0.88	0.2	1.3	0.6	119	0.1	0.9	0.0005	0.05		2	0.05			22
119175	0.5	0.0005	0.5	0.008		193.2	0.025	0.05	0.2	0.25	1	0.1	0.05	0.0005	0.6		1	0.05			834
119176	2.9	0.004	2	0.046		184.6	9.11	1.4	0.05	0.25	46	0.1	0.1	0.0005	47.2		1	0.05			3454
119177	0.8	0.0005	5.9	0.029		8.9	0.025	0.9	0.6	1.9	37	0.1	0.4	0.0005	1.8		37	0.05			12
119178	0.2	0.001	17.3	0.011		2.2	0.025	0.1	0.3	0.25	65	0.1	0.05	0.0005	0.8		5	0.05			106
119179	0.3	0.002	19.3	0.013		1.4	0.025	0.2	0.3	0.25	54	0.1	0.2	0.0005	0.5		6	0.05			76
119180	0.4	0.002	16.6	0.011		1.9	0.025	0.1	0.5	0.25	52	0.1	0.1	0.0005	0.4		3	0.05			98
119507	108.7	0.0005	40.2	0.224		8.5	0.025	0.9	3.3	0.25	25	0.1	2.2	0.003	6.6		26	0.05			369
613992	0.44	0.02	22.7	0.102	0.01	13.68	0.17	0.26	4.3	0.5	18.8	0.04	7.6	0.002	0.12	6.3	34	0.05	0.005		70.2
613993	2.56	0.01	10.6	0.007		20.24	0.04	0.1	7.3	0.05	271.7	0.01	1.5	0.003	0.04	0.8	7	0.05			66.8
613994	21.22	0.041	40.4	3.059	0.03	228.89	0.49	0.59	16	1	174.9	0.04	8	0.027	0.09	38.8	37	0.05	0.03		230
613995	0.46	0.007	1.8	0.037		259.92	8.71	0.02	0.5	0.05	39.1	0.01	0.5	0.0005	7.56	0.9	1	0.05			1428
613996	1.21	0.007	0.9	0.033		6483.63	6.41	0.03	0.5	0.2	39.8	0.01	0.4	0.0005	7.22	1	3	0.05			8327.8
613997	7.84	0.002	3.7	0.055	5.76	10000	0.2	0.95	1.1	0.6	7.5	0.03	0.2	0.0005	4.49	4.6	11	0.05	1.36		10000
613998	2.65	0.005	1.8	0.038		592.1	7.84	0.06	0.2	0.05	38.9	0.01	0.1	0.0005	21.41	1.7	3	0.05			2013.4
613999	0.13	0.01	1.8	0.023		20.36	0.05	0.01	0.3	0.05	94.3	0.01	0.2	0.0005	0.1	0.2	1	0.05			572.5
614000	5.17	0.001	3.6	0.027		277.15	0.24	0.06	0.7	0.05	0.25	0.01	0.2	0.0005	8.51	2.4	9	0.05			8390.5

2011 and 2012 Rock Locations, Descriptions and Analytical Results

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)
617456	CM	2011-08-16	UTM83-8	7127857	593594	1469	WHI11001243	From CAR/LIN high up in a bowl. Highly brecciated limestone of the sort that obtained high Zn in the old core. Mm-cm scale clasts, angular. Locally altered to deep burgandy and in some places to yellow orange.	1.23		0.05	0.06	5.4	1	10	25	0.05	23.42	0.2	0.7	3		2.6	0.16	0.5		0.02	0.03	3	8.04	95
617457	CM	2011-08-27	UTM83-8	7123179	600039	1361	WHI11001984	Alternating oxidized/unoxidized float from atop a red shale scree. Odd weathering patterns - irregular blotchy black rims irregular orange shale, although sometimes it's almost massive, usually grey brown although often dark blue with an almost pearly luster. From an orangey-brown section on an otherwise red shale slope in Discovery zone.	0.84		0.05	2.4	16.5	2	10	934	0.3	10.33	0.05	29.6	38		50.6	2.24	6		0.01	0.3	31	0.52	5986
617458	CM	2011-08-27	UTM83-8	7123156	600188	1398	WHI11001984		0.81		0.05	3.21	15.8	1	10	527	1.5	0.18	0.2	66.2	29		551.4	9.45	9		0.005	0.19	5	0.88	10000
617459	CM	2011-08-27	UTM83-8	7123217	600318	1389	WHI11001984	A limestone of some sort, discontinuously effervescent. Fresh surfaces display white calcite and dark microcrystalline material with sometimes micaceous habit. From shale slope, Discovery zone.	1.16		0.05	0.18	12.3	1	10	97	0.2	11.56	0.1	33.3	5		23.1	7.98	0.5		0.005	0.07	5	3.58	10000
617460	CM	2011-08-27	UTM83-8	7123161	600413	1385	WHI11001984	Discovery Zone. Plucked from a ridge at an apparent shale/dolostone contact in Discovery zone. Texture ranges irregularly from massive to crystalline. Heavily weathered, rusted looking, cm-scale geoidlike-pockets throughout. Some are filled with calcite.	1.72		0.05	0.03	0.8	1	10	4	0.05	16.16	3.9	0.9	1		0.6	0.67	0.5		0.11	0.005	0.5	11.63	1501
617461	CM	2011-08-27	UTM83-8	7123111	600503	1380	WHI11001984	Discovery Zone. From top of a peak 600m west of supergossan in the Discovery zone. Classic gossan bits, very rough texture - Rusty brown, black, rusty orange, occasionally deep red	1.25		0.4	0.04	5.9	1	10	46	0.05	0.32	43.6	0.8	2		3.9	40	4		1.38	0.005	0.5	0.2	1116
617462	CM	2011-08-27	UTM83-8	7123002	601037	1206	WHI11001984	From along creek winding through Supergossan area in Discovery zone - water weathering seems to have turned small areas of the gossan to deep red colour. The result looks like spilt transmission fluid as it leaks into the creek.	0.72		0.05	0.05	1.6	1	10	48	0.05	1.85	0.1	4.8	0.5		1.5	40	0.5		0.005	0.02	1	0.19	2536
617463	CM	2011-08-27	UTM83-8	7122999	601062	1203	WHI11001984	From supergossan. Gossaned conglomerate? Layers are visible, with mostly subrounded to subangular clasts. Matrix is gossaned to deep rusty browns and oranges, clasts are sometimes not weathered and are a massive grey but do not effervesce.	0.87		0.05	0.37	2.9	1	10	30	0.2	0.17	0.1	4.3	6		15.5	29.26	1		0.04	0.14	5	0.1	362
617464	CM	2011-08-27	UTM83-8	7122993	601057	1203	WHI11001984	From supergossan. Protogossan?? Quite dense/heavy. Messy looking, with subrounded - subangular qtz clasts in a grey matrix that does not effervesce. Surface weathers deep orange to brown.	0.38		0.05	0.18	71.2	1	10	13	0.1	0.07	0.05	7.2	17		18	1.31	0.5		0.68	0.06	2	0.03	70
617465	CM	2011-08-27	UTM83-8	7123002	601056	1202	WHI11001984	From supergossan. Extracted ~1ft beneath rest of the surface, from where creek incises gossan. Black/brown/dark orange with almost fibrous textures, and a few ungossaned limestone clasts.	0.78		0.05	0.23	1.9	1	10	51	0.05	0.24	0.2	6.3	4		5.7	40	0.5		0.02	0.04	2	0.15	1620
617466	CM	2011-08-27	UTM83-8	7122995	601038	1206	WHI11001984	Material from the supergossan chosen due occurrences of a shiny, vitreous surface that resembles a cross between obsidian and a burnt sugar coating.	0.99		0.05	0.07	1.5	1	10	19	0.05	0.23	0.05	2.3	2		2.4	40	0.5		0.03	0.02	4	0.13	863
617467	CM	2011-08-27	UTM83-8	7122988	601038	1203	WHI11001984	Material from the supergossan that looks like it might have been previously a breccia. Black, brown, dark orange, clasts occasionally squash or grey colour.	1.07		0.05	0.16	2.1	1	10	112	0.05	0.21	0.3	12.8	3		6	40	0.5		0.03	0.04	2	0.15	6446
1097557	RH	2011-08-12	UTM83-8	7129094	594880	1419	WHI11001093	Rock float; Gossanous porous limestone - iron oxide breccia pieces in limestone float - scree.	1.5		4	1.13	625	1	10	66	0.2	1.44	7.5	17.6	16		114.4	40	2		50	0.06	3	0.89	741
1097573	LB	2011-08-17	UTM83-8	7129926	593826	1112	WHI11001243	Grabbed from burgandy alteration on the end of a ridge in the CAR/LIN claim area. Massive limestone - not reactive with HCl (dolostone?). Heavy burgandy surface alteration, fresh surface grey.	1.38		0.05	0.04	2.4	1	10	78	0.05	0.12	0.05	2.1	2		7.3	2.59	0.5		0.03	0.02	2	0.04	734
1097574	LB	2011-08-17	UTM83-8	7129934	593828	1114	WHI11001243	As 1097573 but with very finely disseminated silvery grains of some sulphide? Arsenopyrite? Very fine grains even under hand lens.	1.06		0.05	1.28	18.3	1	23	176	0.05	0.42	0.05	2.1	13		2	31.84	3		0.05	0.11	18	0.17	658
1298551	RH	2012-07-01	UTM83-8	7122875	600366	1339	WHI12000251	~ 10 m blast trench in tan to light grey limestone - recrystallized. Float abundant, of euhedral cubic galena, up to 5cm, with white calcite in brecciated limestone. Near to old claim posts YA62929. Photo of trench and high grade close up 1298551. Grab of high grade float. Hand sample. Some white veining, very little FeOx, quite different from gossan hosted min, some zebra texture			44	0.005	0.05	0.5	0.5	8.5	0.09	3.18	9.85	0.05	0.25	0.0005	0.21	0.15	0.3	403		0.005	0.25	1.99	134
1298552	RH	2012-07-01	UTM83-8	7123055	587181	1200	WHI12000251	From top of small knoll at hell pad. Dark grey limestone with irregular cm or < scale thick lenticular pod of brown limestone with weathered out pyrite (or maybe, just maybe sphalerite?). ~ 10% weathered out FeOx		134		0.14	9.8	1.5	4	30.8	0.07	29.36	0.03	8.2	3.7		11.66	2.87	0.4	79		0.06	4.6	0.19	360
1298553	RH	2012-07-04	UTM83-8	7128245	597232	1507	WHI12000251	Grab- bedrock? At contact between bottom of orange weathered Narchilla (base is always orange!) and top of grey (Algae?) limestone. ~ 10 m North lim-yellow weathering fault gouge 0.25 cm below 0.8 of lim weathered limestone overburden, minor FeOx frags in limestone. 30 cm horizon with FeOx bands conformable to laminated and bedded limestone. See photo. Limestone between FeOx bands has been decalcified. Zebra texture and breccia-vuggy limestone above and below FeOx band. Grab over 3 m		35		0.72	22.2	1.2	8	60.7	0.36	0.37	0.14	11.6	7.9		26.99	4.02	2	53		0.36	2.8	0.2	392
1298554	RH	2012-07-04	UTM83-8	7128344	597335	1507	WHI12000251			9		0.04	4.4	2	0.5	42.2	0.01	13.31	1.87	0.4	1.8		2.04	11.96	0.3	61		0.01	3.1	9.03	2552

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)
617456	0.6	0.01	5	0.032		2.3	0.025	0.3	0.4	0.25	98	0.1	0.5	0.0005	0.1		19	0.1		25
617457	1.3	0.044	27.4	5		13.3	0.025	0.3	9.6	0.25	123	0.1	5.8	0.017	0.1		57	0.1		86
617458	3.7	0.018	84	0.035		12.3	0.025	0.05	15	0.25	6	0.1	5.4	0.003	0.05		34	0.05		229
617459	0.1	0.017	20.7	0.012		106.9	0.025	0.05	7.9	0.25	71	0.1	1.9	0.0005	0.05		16	0.05		85
617460	0.2	0.017	0.2	0.025		42.7	0.025	0.05	0.2	0.25	39	0.1	0.05	0.0005	0.05		1	0.05		989
617461	1	0.009	1.8	0.046	1.86	10000	0.31	0.05	0.6	0.9	2	0.1	0.3	0.0005	8.1		4	0.05	2.91	10000
617462	0.05	0.008	14.3	0.005		4.8	0.09	0.05	0.5	0.25	44	0.1	0.2	0.0005	35.7		4	0.05		6448
617463	0.3	0.012	14.5	0.019		40.7	0.025	0.1	2.8	0.25	15	0.1	3.4	0.001	12.8		10	0.05		4551
617464	0.3	0.007	7.3	0.007		8.3	0.025	2.8	1.7	0.25	19	0.1	1.3	0.0005	0.5		17	0.05		50
617465	0.2	0.008	17.1	0.012		9.5	0.025	0.05	1.2	0.25	12	0.1	0.8	0.001	30.2		8	0.05		4737
617466	0.1	0.008	8.5	0.006		2.6	0.025	0.05	1	0.25	9	0.1	0.3	0.0005	9.6		4	0.05		9327
617467	0.05	0.008	30.2	0.014		7.1	0.025	0.05	1.3	0.25	23	0.1	1.2	0.0005	103.7		7	0.05		6432
1097557	6.1	0.0005	50	0.137	0.2	2283.3	0.14	34.2	6.4	0.8	815	0.1	2.5	0.001	2.2		6	0.05	0.84	10000
1097573	0.2	0.002	2.2	0.014		3.6	0.025	0.9	1	0.25	17	0.1	0.2	0.001	0.05		4	0.05		15
1097574	1.2	0.004	3.9	0.058		12.7	0.025	1.3	2.4	0.25	59	0.1	3.4	0.116	0.05		24	0.05		9
1298551	0.03	0.002	0.05	0.0005	70.5	10000	7.62	0.17	0.2	1.4	18.2	0.01	0.05	0.0005	0.36	0.05	1	0.05	0.28	3674.1
1298552	0.82	0.016	28.7	0.012		181.34	0.02	0.65	2.3	0.2	2031.5	0.08	1.8	0.0005	0.09	1.8	9	0.05		6.8
1298553	0.7	0.008	20.1	0.042		379.86	0.08	0.63	5.2	0.05	9.1	0.03	3.7	0.0005	0.39	0.3	10	0.05		167.6
1298554	2.14	0.008	1.3	0.047		267.7	0.01	0.06	0.7	0.05	48	0.01	0.3	0.0005	3.41	1.7	6	0.05		2379.8

2011 and 2012 Rock Locations, Descriptions and Analytical Results

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)	
1298555	RH	2012-07-04	UTM83-8	7128031	597532	1419	WHI12000251	Small outcrop next to small almost waterfall or zebra-breccia-veined limestone with FeOx and pyrite replacements. See photo. Must be over top of Algae Limestone. Grab over 4 m of breccia-veined dark grey limestone x/c by white calcite veins with pyrite disseminated bands on margins. Pyrite bands irregular but up to 1 cm thick. FeOx and above D.C. (up section)		7		0.02	3.4	1	0.5	4	0.01	14.79	0.94	0.4	0.25		0.43	4.85	0.2	29		0.01	1.8	10.23	1215	
1298556	RH	2012-07-04	UTM83-8	7127972	599060	1599	WHI12000251	Floater grab from scree, weakly Fe stained, very vuggy, calcite veined limestone, trace pyrite		4		0.03	2.3	1.2	3	12.2	0.01	17.28	0.79	0.4	0.25		0.47	2.27	0.2	23		0.005	1.7	10.93	3470	
1298557	RH	2012-07-04	UTM83-8	7128391	599191	1614	WHI12000251	Floater of porous FeOx - vuggy - brx? Dark red brown, collected over 20 m. Likely near bottom of Algae Lake limestone		210		0.07	1.9	3.4	1	11.7	0.01	3.85	1.2	0.4	1.9		2.55	33.38	0.2	625		0.01	1.4	1.91	863	
1298558	RH	2012-07-04	UTM83-8	7129251	597306	863	WHI12000251	Larry Brault sample, floater; banded, fine grained crystalline white quartz with shale FeOx stain, weakly vuggy		78		0.66	11.9	0.7	7	29.4	0.07	0.21	0.07	3.1	14.2		13.31	2.8	1.9	166		0.16	6.1	0.24	89	
1298559	RH	2012-07-05	UTM83-8	7130629	596461	1316	WHI12000251	Floater, rounded boulders of quartzite? with trace-5% disseminated, fine grained pyrite. Not a glacial exotic as found in outcrop nearby. Other floater of breccia limestone +/- calcite veins		628		0.14	15.4	1.3	3	158.8	0.03	0.02	0.08	3.3	10.4		22.31	2.12	0.3	165		0.09	1.5	0.02	89	
1298560	RH	2012-07-05	UTM83-8	7130678	596468	1303	WHI12000251	~ 75 m up creek from SW cliff of calcite with grey limestone clasts and quartz matrix supported x/c by calcite veins		155		0.11	6.3	0.1	3	10	0.01	11.31	2.41	1.3	3.1		9.8	1.41	0.4	183		0.08	1	7.22	849	
1298561	RH	2012-07-24	UTM83-8	7129046	596562	1617	WHI12000496	Rock grab-subcrop, hand sample. Tan-orange weathered grey limestone conglomerate. Grey siliceous clasts and trace pyrite, very fine grained.		67		0.16	2.5	0.8	2	17.7	0.01	21.64	0.18	2.6	3.2		5.3	1.65	0.4	31		0.08	7.2	5.17	680	
1298562	RH	2012-07-24	UTM83-8	7129054	596555	1615	WHI12000496	Rock grab - subcrop, hand sample. LST?		106		0.22	1.5	0.5	6	25.9	0.01	15.11	0.77	2.3	4.3		32.01	2.4	0.7	133		0.15	7.6	5.7	897	
1298563	RH	2012-07-24	UTM83-8	7129134	596484	1655	WHI12000496	Grey weathered limestone-breccia, late calcite filling/veins and less calc or more sil grey limestone		37		0.07	2.6	0.4	0.5	14.5	0.01	35.98	0.18	1	1.5		4.11	0.25	0.1	28		0.03	5.4	0.23	124	
1298564	RH	2012-07-24	UTM83-8	7129129	596485	1652	WHI12000496	Orange weathered laminated limestone, hard! Sounds siliceous but not (fizz and scratches). Fine grained pyrite on laminations and disseminated.		23		0.11	1.5	0.2	2	15.4	0.01	22.13	0.45	2.6	3.3		3.47	1.72	0.2	67		0.05	7.9	5.71	761	
1298565	RH	2012-07-24	UTM83-8	7129181	596475	1667	WHI12000496	Grey limestone x/c by coarse grained grey limestone vein with oxidized disseminated pyrite and pyrite blebs		44		0.03	8.9	0.4	0.5	13	0.01	37.93	0.25	0.8	0.9		1.6	1.42	0.2	52		0.01	4.1	0.17	204	
1298566	RH	2012-07-25	UTM83-8	7129166	596479	1373	WHI12000496	Grey brecciated limestone. Blebs of gossan, rusty weathered?		44		0.03	10	0.1	0.5	10.9	0.01	38.08	0.05	0.6	0.5		1.4	1.22	0.05	27		0.005	3.7	0.11	197	
1298567	RH	2012-07-24	UTM83-8	7129021	595696	1490	WHI12000496	Gossanous, rusty remnants of ?! Vuggy, lots of voids, various FeOx, lim, goethite,? Speck of fine grained galena in small pebble, limestone pebble. Numerous bits of FeOx and buggered limestone. Small ridge trending 227 for ~ 50 m.		283		0.08	15.7	0.1	0.5	5.4	0.01	13.74	2.9	4.8	1.4		3.78	19.7	0.6	1808		0.02	2.5	1.74	2264	
1298568	RH	2012-07-24	UTM83-8	7128928	595776	1500	WHI12000496	In old hand pit. Gossanous weathered partly siliceous limestone x/c by rare quartz veinlets and coarse calcite. Hand sample. Minor disseminated galena and specks of galena in quartz veinlets. (trace < 0.5% galena). Looks like fracture-breccia fault zone. Slicks noted, well fractured.		478		0.1	6.5	0.1	0.5	10.9	0.01	17.34	7.88	2.9	2.4		7.75	1.17	0.5	5744		0.005	1	9.38	1386	
1298569	RH	2012-07-24	UTM83-8	7128997	595677	1484	WHI12000496	Grey gossanous weathered limestone +/- silica, weakly brecciated and quartz veined. FeOx on fracture surfaces. Vuggy with crystal lined interiors		25		0.005	1	0.1	0.5	1.8	0.01	5.03	0.19	0.2	3.2		0.62	0.25	0.05	332		0.005	0.25	2.5	331	
1298570	RH	2012-07-24	UTM83-8	7129142	595485	1429	WHI12000496	Orange weathered flaggy limey siltstone. Hand samples		218		0.26	2.7	0.1	3	19.4	0.01	13.01	0.28	3.1	7		6.26	1.04	0.8	94		0.14	8.7	6.77	262	
1298571	RH	2012-07-24	UTM83-8	7129020	595615	1458	WHI12000496	Grey clay +/- yellow-green clay. Minor grey shale frags. Little pods of clay over 25 m @ 060 deg. Minor frags of gossan material and silica recrystallized brecciated limestone (as per sample 1298569)		167		0.46	7.9	0.1	13	54.2	0.3	0.34	0.03	0.4	6.3		3.13	1.65	2.2	285		0.54	2.8	0.24	68	
1298572	RH	2012-07-25	UTM83-8	7128998	594860	1448	WHI12000496	Zebra rock-brecciated. Soil # 1097604. Decalcified in part, grey limestone with 2nd calcite breccia filling. Hand sample. Minor quartz veining and filling vugs.		42		0.03	6.4	0.1	0.5	5.6	0.01	21.59	3.9	0.3	0.7		0.8	0.21	0.1	6581		0.005	1.2	11.83	817	
1298573	RH	2012-07-25	UTM83-8	7129094	594891	1429	WHI12000496	White Ridge Zone. Small pit dug by DC and Bowen. Grey shale, minor FeOx		91		0.7	19.4	0.1	10	52.6	0.28	0.49	0.27	12.8	11.3		42.57	2.29	2.2	351		0.35	2.8	0.27	621	
1298574	RH	2012-07-25	UTM83-8	7129082	594910	1422	WHI12000496	White Ridge Zone. Pit dug by LB and DC, soil site # 130318. Lim/clay brecciated grey limestone. Vugs filled with calcite veined and coarse granular calcite veins. Most of it fizzes very poorly. Hand samples		101		0.005	1.3	0.1	0.5	2.4	0.01	13.72	0.94	0.2	0.6		0.59	0.36	0.05	633		0.005	0.5	7.59	752	
1298575	RH	2012-07-25	UTM83-8	7129260	594882	1468	WHI12000496	Grab from scree of grey limestone, calcite veining, limestone conglomerate +/- orange weathering.		30		0.09	3.2	0.1	0.5	1451.9	0.01	35.21	0.17	1.2	1.6		2.34	0.39	0.2	212		0.05	3.8	0.71	131	
1298576	RH	2012-07-25	UTM83-8	7129321	594836	1480	WHI12000496	Orange weathered limestone- near peak. Random grab from scree, calcite veins, grey weathered limestone, fracture with limonite.		24		0.25	4.7	0.1	0.5	127.9	0.01	28.82	0.25	3.3	10.3		10.74	0.77	0.7	80		0.07	13.8	1.18	217	
1298577	RH	2012-07-25	UTM83-8	7129218	594483	1298	WHI12000496	Middle of bluff, creek bottom, of orange limey siltstone. Grab from scree		16		0.43	8.2	0.5	2	280.6	0.01	19.29	0.13	4.5	16.3		9.67	1.87	1.5	238		0.1	12.6	3.6	255	
1298578	RH	2012-07-25	UTM83-8	7129000	594095	1365	WHI12000496	Zebra grey limestone with minor calcite and ~ 50% white quartz filling limestone breccia - follow up on TI anomaly in soil 1098449		53		0.04	4.3	0.1	0.5	9.9	0.01	14.38	4.65	0.5	1.4		1.69	0.18	0.3	392		0.01	1.7	7.74	486	
1298579	RH	2012-07-25	UTM83-8	7129032	594093	1363	WHI12000496	Grab from scree of rusty gossanous rocks and zebra rock with quartz veining - calcite veining		102		0.13	41.9	0.1	0.5	17	0.01	11.09	47.46	1.4	2.9		2.47	14.5	1.3	7453		0.03	1.8	5.76	716	
1298580	RH	2012-07-25	UTM83-8	7129097	594091	1341	WHI12000496	Grab from scree of rusty gossan material. Trace pyrite? Remnant. At TI anomaly in soil 1098451. Other floater of zebra rock, breccia +/- sil and calcite		709		0.18	33.9	5.3	3	27.7	0.08	0.3	3.81		2.7	7.2		17.07	40	1.3	4883		0.07	1.7	0.23	653
1298581	RH	2012-07-25	UTM83-8	7129200	593780	1172	WHI12000496	In creek bed, calcite veined, weakly brecciated red and tan orange massive to platy limey siltstone. ~ 50 m outcrop in creek. Photo of fault/shear on west bank looking west		28		0.32	1.7	2.5	2	2090.2	0.05	14.07	0.24	8.1	11.2		22.83	1.26	1	60		0.13	8.4	6.86	473	
1298582	RH	2012-07-26	UTM83-8	7126629	597265	1439	WHI12000496	At base of waterfall going downstream sampling across stratigraphy. Outcrop grey black quartzite, variably pyritic 0-5%. Grab-chip over exposed bedrock. True Width ~ 1-1.5 m. x/c by minor quartz veins.		187		0.45	6.3	1.6	6	113.6	0.16	0.14	0.07	4.2	8.9		12.39	1.34	1.3	21		0.23	4.2	0.12	48	

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)
1298555	0.26	0.009	0.05	0.015		376.57	3.91	0.01	0.4	0.05	37.6	0.01	0.1	0.0005	4.15	0.6	1	0.05		883.2
1298556	0.43	0.012	1	0.034		59.19	0.01	0.01	0.4	0.05	45.5	0.01	0.2	0.0005	0.34	0.7	1	0.05		641.3
1298557	1.95	0.002	1.7	0.038		1795.04	0.03	0.2	1.4	0.05	10.7	0.01	0.4	0.0005	3.73	3.4	9	0.05		2597.5
1298558	1.72	0.009	8.9	0.179		46.93	0.11	0.34	3.2	0.2	24.2	0.03	3.9	0.003	0.11	0.7	8	0.05		208.7
1298559	0.62	0.004	6.7	0.002		35.99	0.81	3.99	0.4	0.05	4	0.01	0.9	0.0005	0.11	0.2	3	0.05		32
1298560	0.94	0.011	2.3	0.009		35.66	0.73	1.3	1.4	0.05	30.8	0.01	0.6	0.0005	0.2	0.9	8	0.05		596.6
1298561	0.26	0.012	3.8	0.027		79.93	0.05	0.24	1.6	0.5	361	0.01	2.1	0.0005	0.05	3.2	7	0.05		36
1298562	0.16	0.008	4	0.027		69.33	0.09	0.11	2.6	0.6	248.4	0.01	3.8	0.0005	0.04	3	10	0.05		221.8
1298563	0.11	0.002	0.05	0.014		4.58	0.01	0.13	0.8	0.05	545.4	0.03	0.7	0.0005	0.01	5.3	4	0.05		10.5
1298564	0.08	0.009	2.5	0.015		95.82	0.06	0.08	1.4	0.1	399.2	0.03	1.7	0.0005	0.01	0.9	7	0.05		132.6
1298565	0.38	0.004	0.6	0.007		9.4	0.01	0.19	0.5	0.3	357.9	0.07	0.3	0.0005	0.3	3.8	2	0.05		53.9
1298566	0.25	0.005	0.1	0.004		9.85	0.01	0.21	0.4	0.3	300.2	0.01	0.2	0.0005	0.47	2.6	2	0.05		12.1
1298567	1.36	0.002	7	0.087		255.38	7	1.22	0.9	0.3	41.9	0.01	0.5	0.0005	23.77	2.6	5	0.05		3533.9
1298568	0.3	0.005	5.5	0.03		3394.26	0.07	0.75	1.1	0.05	142.6	0.01	0.5	0.0005	0.38	1.3	3	0.05		1664.4
1298569	0.25	0.002	0.7	0.01		45.47	0.01	0.07	0.1	0.05	17.4	0.01	0.05	0.0005	0.15	0.4	1	0.05		36.5
1298570	0.91	0.007	7.8	0.035		35.76	0.04	0.12	2.2	0.3	440.9	0.01	3	0.001	0.06	1.7	11	0.05		43.4
1298571	0.27	0.006	1	0.02		53.06	0.51	0.28	1.3	0.05	16.7	0.01	3.5	0.0005	0.73	0.5	8	0.05		11.4
1298572	0.1	0.006	0.5	0.055		56.98	0.01	0.34	0.2	0.05	114.2	0.03	0.05	0.0005	0.05	1.3	1	0.05		259
1298573	0.35	0.004	23.3	0.04		33.27	0.04	0.18	6.6	0.05	54.8	0.13	7.3	0.0005	1.87	0.5	16	0.05		195.7
1298574	0.11	0.005	0.8	0.017		116.03	0.01	0.21	0.05	0.05	31.8	0.01	0.05	0.0005	0.25	0.9	1	0.05		240.7
1298575	0.19	0.003	0.6	0.009		3.7	0.02	0.27	0.9	0.05	743.4	0.01	0.9	0.0005	0.07	7.1	3	0.05		10.5
1298576	0.12	0.01	8.7	0.018		5.66	0.01	0.2	2.2	0.05	500.4	0.01	2.4	0.0005	0.04	3.1	11	0.05		25
1298577	0.15	0.051	13.5	0.025		5.72	0.01	0.25	2.8	0.5	380.2	0.03	3.3	0.0005	0.09	2.7	18	0.05		46.2
1298578	2.44	0.005	1.2	0.023		23.26	0.01	0.2	0.3	0.1	124.6	0.03	0.2	0.0005	0.2	1.4	5	0.05		933.3
1298579	16.49	0.004	4.8	0.041	3.11	10000	0.26	2.26	0.9	1.8	154.8	0.04	0.5	0.0005	2.43	3.9	5	0.05	3.48	10000
1298580	11.28	0.0005	11.2	0.063		900.07	0.07	5.15	1.4	0.3	71.6	0.04	1.2	0.0005	8.97	4.1	1	0.05		8547.1
1298581	0.35	0.023	23.1	0.022		4.23	0.06	0.16	2.4	0.5	263.4	0.01	2	0.001	0.09	3.1	5	0.05		41.7
1298582	0.36	0.004	12.2	0.005		14.98	0.45	0.34	1.1	0.4	7.5	0.01	3.1	0.0005	0.05	0.5	5	0.05		30.1

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)
1298583	RH	2012-07-26	UTM83-8	7126630	597265	1425	WHI12000496	Up section of 583. Same dark grey-black fine grained, pyritic quartzite. Rare pyrite nodules up to 5 + cm. x/c by white-clear crystalline quartz veins <0.5-2 cm spaced 5-20 cm over ~ 1 m, minor pyrite in quartz vein. True Width ~ 1.75 m		114		0.5	8.2	0.7	6	32.7	0.11	0.07	0.04	2.6	12.8		10.7	1.89	1.4	21		0.19	3.9	0.11	58
1298584	RH	2012-07-26	UTM83-8	7126622	597259	1415	WHI12000496	Up section and downstream of 583. Same black pyritic quartzite, minor quartz and one instance of slick on joint. Outcrop a little more deformed than previous		127		0.46	5.6	0.5	7	62	0.15	0.16	0.07	3.7	9.1		10.41	1.12	1.4	17		0.23	4.9	0.11	42
1298585	RH	2012-07-26	UTM83-8	7126621	597254	1433	WHI12000496	Same pyritic black quartzite down section and downstream of 584 (next to big pool), True Width ~2m		120		0.33	5.6	0.3	5	31.2	0.11	0.02	0.005	1.7	9.6		8.22	1.34	1.2	13		0.18	3.4	0.08	39
1298586	RH	2012-07-26	UTM83-8	7126590	597246	1407	WHI12000496	Grab over ~ 2 m true width below 385 (black pyritic quartzite)		79		0.4	4.5	1.2	5	72.5	0.12	0.04	0.04	2.1	9.4		9.25	1.04	1.3	11		0.17	4.6	0.11	48
1298587	RH	2012-07-27	UTM83-8	7124464	600406	1219	WHI12000523	Grab of gossanous FeOx material, near top of gossan, east side		24		0.04	1.8	0.1	1	3.8	0.01	12.29	0.33	2.4	1		0.89	17.6	0.2	78		0.02	1.5	3.41	1463
1298588	RH	2012-07-27	UTM83-8	7124462	600404	1218	WHI12000523	0.8 m chip across banded gossan-rotted limestone, ~ 2% disseminated pyrite, trace disseminated galena, Hand sample		40		0.05	3.9	0.1	1	4.4	0.01	12.06	27.16	2.1	1.4		1.64	14.18	0.6	71		0.03	1.8	3.11	1124
1298589	RH	2012-07-28	UTM83-8	7126510	588275	1463	WHI12000523	Grab float from scree of grey limestone with FeOx/lim on fracture faces, disseminated and in small stringers. Limestone weathers grey - yellow and rare orange - red.		7		0.03	278.8	0.7	0.5	19.6	0.01	33.5	0.14	1.1	1.5		1.16	0.48	0.05	16		0.01	1.3	2.87	39
1298596	LB	2012-07-31	UTM83-8	7130510	597096		WHI12000523	Grey limestone x/c by calcite veining and very minor limonite and hematite as blebs and specks		19		0.12	5.1	0.1	2	187.7	0.02	34.68	0.06	3.4	3.6		6.81	0.96	0.4	32		0.06	2.8	0.28	185
1298597	LB	2012-07-31	UTM83-8	7127813	598084		WHI12000523	Grey limestone breccia, 2 types: 1 with silica and vuggy pores, recrystallized, 2 more massive grey limestone weakly brecciated with limonite/FeOx rinds		15		0.35	2.1	1	3	132.5	0.04	12.53	0.16	8.8	5.3		6.25	1.93	1.4	27		0.11	5.5	5.68	10000
1298651	SD	2012-07-08	UTM83-8	7128008	599136	1615	WHI12000339	Gossan, dark orange-red, small cluster ~ 2 feet long, minor float further downhill.		169		0.24	3.9	2.4	1	38	0.04	0.12	2.06	1.3	3.9		14.07	40	1.3	188		0.06	2.2	0.2	3354
1298652	SD	2012-07-08	UTM83-8	7127725	599104	1582	WHI12000339	Gossan like sample, float in talus of Narchilla (red shale) at contact with Algae Lake. Other orange talus along contact but rocks more altered. Sample has minor disseminated pyrite, calcite veining, brecciated with angular clasts and little matrix. Orange limonite (5%) with minor red patches.		50		0.18	2.1	0.1	0.5	189	0.11	14.27	0.19	8.6	4		38.29	6.3	0.8	11		0.02	0.25	2.41	10000
1298653	SD	2012-07-08	UTM83-8	7127670	598854	1562	WHI12000339	Gossanous sample, more weathered than previous sample found at base of talus of Narchilla formation near contact with AL in bright orange and red clay rich soil. 2 soils also taken from same location. Rock has light grey (dolostone?) sections, appears brecciated		81		0.46	25.3	0.1	4	300	0.11	0.03	0.05	4.9	14.2		83.66	10.84	2.6	77		0.15	0.8	0.03	104
1298654	SD	2012-07-09	UTM83-8	7128239	597845	1458	WHI12000339	Altered algae lake dolostone, light grey to white, float in talus below outcrop, subcrop, small disseminated pink crystals (sphalerite?)		4168		0.01	0.9	0.1	0.5	11.3	0.01	19.19	65.41	0.05	0.25		14.03	0.08	3.1	4422		0.005	0.8	10.77	539
1298655	SD	2012-07-09	UTM83-8	7128240	597844	1458	WHI12000339	Similar to 1298654 but no pink crystals, just small veinlets of dark carbonate or sulphide? Powdery white weathering on outside. Taken from talus float below outcrop of AL.		4453		0.005	1.2	0.1	0.5	13.3	0.01	19.33	66.84	0.05	0.6		8.39	0.08	2.4	4225		0.005	0.9	11.08	498
1298656	SD	2012-07-09	UTM83-8	7128228	597854	1466	WHI12000339	Gossan from boulder on side of ridge below AL dolostone outcrop, trail of small gossan clasts downslope, strongly weathered, minor vugs, dark red, orange colour		315		0.02	3.4	3.7	0.5	24.6	0.01	0.12	3.73	0.5	1.5		1.79	40	0.3	176		0.005	0.5	0.15	690
1298657	SD	2012-07-09	UTM83-8	7128043	598021	1521	WHI12000339	Quartz vein float on top of AL dome/ridge, limonite in veinlets throughout quartz, minor dark spots in limonite		66		0.005	21.5	0.1	0.5	4	0.01	0.57	0.16	0.9	7.8		1.3	2.06	0.05	57		0.005	0.25	0.34	116
1298658	SD	2012-07-13	UTM83-8	7128391	599315	1677	WHI12000535	Limestone, grey, medium with abundant calcite veining, brecciated, angular clasts, dark crystals in calcite veining with orange halos, when scratched, brown streak, oxidized sphalerite?		14		0.03	1.3	0.1	0.5	3.4	0.01	19.79	0.1	0.4	0.9		0.21	0.58	0.05	13		0.005	1.4	11.77	1422
1298659	SD	2012-07-17	UTM83-8	7128938	596342	1565	WHI12000535	Gossan float from saddle area near fault at base of Algae Lake, dark orange, red, vuggy. Silvery grey oxide. If there are any sulphides, they are very small and difficult to see.		1670		0.11	21.1	1.1	0.5	5	0.01	0.17	13.08	3.4	3.1		7.9	40	2.9	4460		0.02	1.4	0.08	348
1298660	SD	2012-07-17	UTM83-8	7128787	596574	1548	WHI12000535	Gossan, dark orange, red with metallic grey oxide. Possible trace sulphides. Float collected from above waypoint to saddle.		930		0.05	13.8	1.2	2	5.1	0.09	0.1	18.28	2	1.7		6.78	40	2.1	2946		0.01	1.7	0.07	280
1298661	SD	2012-07-17	UTM83-8	7128922	596366	1571	WHI12000535	Vuggy vein like or breccia, dark orange staining throughout, pods of fine grained galena. Float from slope of Algae Lake formation ~12 inches in length (before breaking). Heavy (barite?). Could be dolostone matrix.		5332		0.06	21.7	0.1	10	10.1	0.19	0.41	2000	0.8	2.5		51.25	2.08	24.4	50000		0.005	1	0.34	256
1298662	SD	2012-07-17	UTM83-8	7128944	596393	1561	WHI12000535	Same as 1298661 but more limonite and minor visible sulphides. Still heavy (barite?). Could be dolostone matrix. Trace galena.		20148		0.09	9.2	0.1	6	10.2	0.02	0.32	2000	1.8	0.25		65.42	1.41	20.6	50000		0.02	1.4	0.2	388
1298663	SD	2012-07-17	UTM83-8	7128945	596395	1562	WHI12000535	Gossan, dark orange/red, vuggy from saddle.		206		0.24	13.8	0.8	3	11	0.04	0.13	13.23	11	3.7		42.8	40	5.3	751		0.02	1.5	0.08	609
1298664	SD	2012-07-17	UTM83-8	7128945	596403	1562	WHI12000535	Gossan, dark orange/red, vuggy from saddle.		475		0.03	15.7	0.1	1	3.5	0.03	0.09	21.56	1.6	1.3		3.22	40	3	1834		0.01	1.5	0.05	355
1298665	SD	2012-07-17	UTM83-8	7128982	596177	1540	WHI12000535	Gossan with pyrite (trace), dark orange, red float, heavy		115		0.02	7.2	0.6	1	10	0.01	0.04	14.02	0.3	3.5		0.81	34.69	1.2	1463		0.005	0.6	0.04	120
1298666	DC	2012-07-18	UTM83-8	7128864	592740	1252	WHI12000535	float to subcrop, tan orange weathered fractured f.g. grey carbonate rock. Pervasive f. calcite veins, orange fracture surfaces		44		0.28	4.2	0.3	2	24.8	0.01	30.48	0.27	1.8	9.5		4.31	1.02	0.8	225		0.03	5.9	1.93	224
1298667	DC	2012-07-18	UTM83-8	7128768	592816	1276	WHI12000535	Selection of chips taken from float from approximately here working uphill 25-30 m. Steep grassy hillside, mostly angular fragments of carbonate. These fragments are rusty gossan with unusual orange and red alteration. Hematite/goethite? (remote possibility: realgar?)		1185		0.03	35.1	0.8	0.5	14.1	0.01	0.38	2.07	1	1.2		8.67	40	0.7	2952		0.005	1.1	0.36	393
1298668	DC	2012-07-18	UTM83-8	7128760	592865	1274	WHI12000535	Outcrop. A lot of material here that looks like previous sample. Host is a darkish grey crystalline carbonate (dolostone?) some carbonate veining. Sample is a deeply weathered orange/red gossan with fine bands of vfg black oxides (?)		454		0.005	9.2	1.6	0.5	1.3	0.01	0.23	1.17	0.2	0.25		3.23	39.88	0.2	1358		0.005	0.5	0.28	323
1298669	SD	2012-07-18	UTM83-8	7128587	592829	1347	WHI12000535	Massive carbonate with blebby oxidized sulphides. Slight green tinge, minor sericite on fracture surfaces. Minor hematite weathering on fractures.		21		0.07	4.3	0.1	1	15.9	0.01	22.09	0.17	0.6	2.5		0.89	0.19	0.2	44		0.03	1.7	10.88	156

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)
1298583	0.57	0.005	10.7	0.032		16.97	0.8	0.43	0.9	0.3	5.9	0.01	2.5	0.0005	0.04	0.4	4	0.05		22.7
1298584	0.46	0.004	9.9	0.059		10.24	0.33	0.24	1.1	0.3	14.5	0.01	3.2	0.0005	0.05	0.6	7	0.05		27.2
1298585	0.31	0.004	5.5	0.003		10.82	0.48	0.24	0.7	0.2	2.8	0.01	2.5	0.0005	0.04	0.4	4	0.05		8.2
1298586	0.19	0.004	5.5	0.004		7.74	0.05	0.14	0.8	0.05	4.8	0.01	2.9	0.0005	0.03	0.4	3	0.05		42.4
1298587	0.24	0.004	0.05	0.031		424.1	5.76	0.01	0.6	0.1	23	0.01	0.3	0.0005	33.76	0.6	1	0.05		303.9
1298588	2.45	0.007	0.05	0.032		6046.93	7.68	0.03	0.5	0.4	27.7	0.01	0.4	0.0005	21.08	0.8	1	0.05		7672.8
1298589	1.6	0.003	6.9	0.004		2.9	0.01	0.27	0.4	0.05	145.8	0.01	0.2	0.0005	0.28	3.8	6	0.05		35.1
1298596	0.06	0.009	4.6	0.027		4.15	0.01	0.05	2	0.1	1118.3	0.01	0.8	0.0005	0.06	0.5	7	0.05		15.3
1298597	0.43	0.011	7.5	0.038		5.44	0.01	0.09	3.6	0.2	85.6	0.01	1.4	0.003	0.05	0.3	10	0.05		36.9
1298651	1.57	0.002	5.9	0.092		2363.16	0.05	0.41	1.3	0.4	2.3	0.01	0.8	0.001	2.31	2.1	8	0.05		6558.8
1298652	0.94	0.008	11.2	0.003		29.27	0.13	0.1	3.6	0.2	101.6	0.01	0.4	0.0005	0.07	1.8	12	0.05		67.6
1298653	2.26	0.004	14.3	0.052		104.9	0.08	0.62	2.7	0.1	7.5	0.01	3.6	0.002	0.27	0.3	19	0.05		281.9
1298654	0.04	0.007	0.7	0.003		26.52	0.43	0.07	0.3	0.7	145.2	0.01	0.05	0.0005	0.08	0.4	1	0.05	3.98	10000
1298655	0.03	0.007	1.2	0.005		228.14	0.2	0.09	0.3	0.7	206.6	0.01	0.05	0.0005	0.06	0.2	1	0.05	3.52	10000
1298656	10.79	0.002	3.1	0.029		347.42	0.01	0.32	0.3	0.4	0.25	0.01	0.1	0.0005	50.15	5.5	6	0.05	1.22	10000
1298657	0.38	0.002	1.8	0.003		14.37	0.01	0.76	0.05	0.05	2.3	0.01	0.05	0.0005	0.42	0.1	1	0.05		78.4
1298658	0.36	0.007	0.9	0.02		13.8	0.01	0.03	0.3	0.05	80.9	0.08	0.1	0.0005	0.01	1	1	0.05		40.3
1298659	9.23	0.0005	15.9	0.042	0.87	7612.14	0.1	5.28	0.9	0.3	0.8	0.01	0.3	0.0005	3.85	3.7	17	0.05	2.44	10000
1298660	4.32	0.003	8.3	0.038	2.67	10000	0.08	3.93	0.6	0.8	2.6	0.07	0.3	0.0005	5.61	4.2	8	0.05	3.07	10000
1298661	1.81	0.008	1.6	0.019	1.44	10000	0.21	18.75	0.5	35.1	3	0.23	0.2	0.001	1.17	0.7	3	0.05	49.67	10000
1298662	0.76	0.008	3.7	0.025	0.4	4962.63	0.11	6.48	0.05	24	4.5	0.63	0.2	0.002	1.24	0.5	3	0.05	53	10000
1298663	1.74	0.002	31.9	0.041	0.28	2205.33	0.06	2.42	3	0.6	2.3	0.06	1.1	0.0005	9.48	5.3	12	0.05	2.73	10000
1298664	4.25	0.002	5.3	0.023	1.51	10000	0.08	4.33	0.7	0.8	3	0.05	0.3	0.0005	3.98	4.2	8	0.05	3.07	10000
1298665	4.21	0.002	2.1	0.014	0.17	1091.89	0.21	0.47	0.7	0.5	0.8	0.07	0.05	0.0005	18.33	2.9	7	0.05	2.3	10000
1298666	0.04	0.078	7.8	0.008		17.35	0.01	0.21	1.5	0.2	555.7	0.01	1.5	0.0005	0.01	3.9	15	0.05		69.2
1298667	13.4	0.003	2.3	0.034		595.1	0.21	8.59	0.5	0.2	5	0.08	0.1	0.0005	8.14	5	7	0.05		6055
1298668	1.91	0.002	0.8	0.018		1627.74	0.05	1.01	0.4	0.3	3.8	0.01	0.05	0.0005	6.68	2.6	5	0.05		4558.9
1298669	0.26	0.008	2.6	0.01		5.21	0.01	0.19	0.5	0.2	63.4	0.05	0.3	0.0005	0.11	1.8	11	0.05		38.1

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)
1298670	DC	2012-07-19	UTM83-8	7128508	592327	1212	WHI12000535	Outcrop. Grey carbonate, calcite veins mm-scale, abundant purple red FeOx staining, brecciated clasts.		21		0.3	4.2	0.1	8	16.1	0.02	21.34	0.25	0.9	17.1		6.88	0.42	0.8	93		0.14	3.6	9.82	86
1303451	LB	2012-07-08	UTM83-8	7130251	597459	1537	WHI12000535	Quartz float with silvery finely disseminated bits, mostly oxidized to orange limonite, silvery bits galena or oxidized sulphide?		6		1.27	0.4	0.1	2	16	0.04	0.01	0.1	4.3	7.6		57.59	3.63	4.1	2.5		0.04	0.7	0.48	272
1303452	LB	2012-07-13	UTM83-8	7128996	598751	1595	WHI12000535	Large calcite vein, limonite in fractures, wall rock is light green, limey siltstone, no visible sulphides, vein is up to 3 cm thick		11		0.16	1.3	11.9	2	2575.9	0.18	30.84	0.14	4.1	4.7		38.43	1.17	0.5	2.5		0.05	29.8	1.51	923
1303453	LB	2012-07-13	UTM83-8	7128558	599128	1595	WHI12000535	Dark grey brecciated limestone with calcite veining and minor thin limonite veinlets. Large angular limestone clasts with white calcite matrix.		24		0.04	2.1	0.7	0.5	14.8	0.01	36.87	0.1	0.9	1.3		1.75	0.26	0.1	17		0.01	3.7	0.24	116
1303454	LB	2012-07-13	UTM83-8	7128429	599314	1659	WHI12000535	Breccia, limestone clasts, small (<2 cm in size) in dark orange to red matrix, float on slope near gossan and below limestone outcrop. No visible sulphides.		897		0.05	6.2	0.7	1	6	0.01	15.63	54.78	1.9	1.2		3.56	7.4	0.2	304		0.02	3.5	9.3	929
1303455	LB	2012-07-13	UTM83-8	7128427	599392	1677	WHI12000535	Dark brown, orange, minor red, vuggy gossan. Trace pyrite		387		0.07	4.6	0.6	0.5	23.9	0.01	0.13	6.74	0.6	1.7		5.66	39.2	0.5	199		0.005	2.1	0.09	989
1303456	LB	2012-07-15	UTM83-8	7128431	599392	1682	WHI12000535	Dark brown, orange, minor red gossan, vuggy, grey oxide coating on fractures, trace sulphides.		151		0.05	1.1	0.1	0.5	27.4	0.01	0.14	14.41	6.4	1.7		2.92	39.78	0.8	336		0.005	1.7	0.14	1284
1303457	LB	2012-07-15	UTM83-8	7128421	599329	1670	WHI12000535	Gossan, vuggy, minor rainbow oxide, dark brown and orange		207		0.08	2.7	1.8	0.5	10.1	0.01	0.14	6.92	0.8	2.6		1.56	35.19	1.3	459		0.01	1.5	0.1	692
1303458	LB	2012-07-15	UTM83-8	7128423	599333	1670	WHI12000535	Dark grey dolostone, brecciated, angular clasts, matrix of Fe carbonate? and calcite (not that fizzy and orange), also limonite. No visible sulphides. Vuggy with euhedral calcite crystals.		19		0.05	1.2	0.1	1	6.6	0.01	20.28	2.88	0.4	1.3		0.58	0.77	0.1	10		0.02	1.9	12	1340
1303459	LB	2012-07-15	UTM83-8	7128418	599319	1667	WHI12000535	Dark brown, orange, red vuggy gossan with trace sulphide, minor rainbow oxide.		42		0.07	0.7	1	0.5	6.3	0.01	0.12	12.93	0.4	2.9		1.66	31.79	0.4	156		0.01	1.5	0.06	896
1303460	LB	2012-07-15	UTM83-8	7128450	599354	1670	WHI12000535	Same as 1303459 with trace sulphide		4314		0.17	3.5	0.1	0.5	7.2	0.01	0.07	8.97	4	1.3		4.59	37.79	1.1	1593		0.005	1.3	0.07	284
1303461	LB	2012-07-15	UTM83-8	7128450	599469	1672	WHI12000535	Dark grey, medium grained limestone with small calcite veinlets, minor limonite staining (fizzes with HCl)		5		0.01	0.05	1.2	0.5	8.4	0.01	31.6	0.03	0.7	0.9		0.005	1.42	0.05	7		0.005	0.25	3.43	1014
1303462	LB	2012-07-15	UTM83-8	7128494	599469	1672	WHI12000535	Dark grey, medium grained limestone with small calcite veinlets, minor limonite staining (fizzes with HCl)		2		0.03	0.4	1.4	0.5	14.9	0.01	36.99	0.06	0.7	1.1		0.3	0.75	0.05	2.5		0.01	0.25	0.85	397
1303463	LB	2012-07-15	UTM83-8	7128406	599439	1678	WHI12000535	Dark brown, orange, red gossan, vuggy, silvery grey oxide layer on fractures, trace sulphide.		193		0.09	3.7	1.1	0.5	30.8	0.01	0.27	17.59	0.8	2.7		3.25	39.62	0.6	705		0.02	3	0.07	898
1303464	LB	2012-07-15	UTM83-8	7128420	599427	1678	WHI12000535	Dark brown gossan with orange, vuggy, trace sulphide		116		0.07	2.5	0.1	0.5	16.7	0.01	0.09	6.4	0.5	2		1.48	30.94	1.1	1122		0.02	0.8	0.03	258
1303465	LB	2012-07-15	UTM83-8	7128436	599415	1679	WHI12000535	Dark brown, orange vuggy gossan with silvery dark grey oxide, trace sulphide		87		0.09	1.5	0.1	0.5	53.3	0.01	0.09	8.21	6.7	3.1		3.58	38.26	1	545		0.02	1	0.1	1139
1303466	LB	2012-07-15	UTM83-8	7128094	599430	1619	WHI12000535	Dark grey dolostone with vuggy calcite veining along bedding, minor limonite along veins, quartz in some veins. Possible trace oxidized sulphide.		15		0.03	0.8	0.3	0.5	4.2	0.01	19.24	22.2	0.3	0.7		0.5	2.43	0.3	16		0.005	3.2	10.58	2647
1303467	LB	2012-07-15	UTM83-8	7127960	599448	1590	WHI12000535	Dark grey limestone to dolostone (moderate fizz with HCl) with parallel vuggy calcite veins 5 mm to 1.5 cm wide. Possible oxidized sulphide or just dark blebs, moderate limonite in veins.		7		0.03	1.7	0.9	0.5	3.9	0.01	18.7	6.41	0.4	1		0.13	2.11	0.3	17		0.01	2.1	10.83	2547
1303468	LB	2012-07-16	UTM83-8	7128686	596159	1664	WHI12000535	Fault breccia, sample taken at contact of Narchilla and Algae Lake. Altered rock, red and orange oxide, calcite veins with minor very finely disseminated sulphide. Blocky shale.		22		1.03	1.3	0.2	2	54.2	0.27	0.08	0.07	14.3	13.6		75.22	5.72	3.9	6		0.04	3.5	0.19	470
1303469	LB	2012-07-17	UTM83-8	7128704	596183	1660	WHI12000535	Light grey, veined dolostone with minor oxidized silvery sulphides (galena?) in veinlets and blebby in larger vein.		15		0.02	3.1	0.1	0.5	4.1	0.01	20.51	1.76	0.5	0.5		0.44	0.19	0.05	51		0.005	0.7	12.48	470
1303470	LB	2012-07-17	UTM83-8	7128807	596280	1631	WHI12000535	Light grey dolostone breccia with minor calcite matrix. Matrix also orange veined, trace dis oxidized sulphide		105		0.09	2	0.1	2	10.4	0.01	18.37	7.8	0.5	1.7		0.53	0.28	0.2	348		0.04	2.2	10.81	716
1303471	LB	2012-07-17	UTM83-8	7128804	596427	1605	WHI12000535	Gossan, thin rounded 'bubbly' sheets of gossan. Boulders had large (many cm wide) holes. Heavy, dark silver oxide, trace pyrite.		330		0.09	69.4	0.5	0.5	18.3	0.01	0.19	9.71	0.7	6.2		13.05	40	1.9	516		0.005	3.2	0.14	420
1303472	LB	2012-07-17	UTM83-8	7128801	596424	1607	WHI12000535	Very vuggy, light orange, heavy gossan-like vein, barite? Dark orange and red limonite, no visible sulphide		10307		0.04	24	0.8	0.5	4.9	0.01	0.41	2000	0.6	7.8		71.69	1.76	28.5	50000		0.005	0.9	0.29	236
1303473	LB	2012-07-17	UTM83-8	7128811	596450	1581	WHI12000535	Gossan similar to 1303471. Dark silver metallic crystals (sulphide?). More matte than shiny.		277		0.03	13.2	0.1	0.5	13.1	0.01	0.06	7.83	0.3	5.7		4.97	31.13	0.9	489		0.005	0.9	0.07	447
1303474	LB	2012-07-17	UTM83-8	7128847	596462	1574	WHI12000535	Gossan, dark brown with orange, vuggy, minor grey oxide.		211		0.06	3.3	2.2	0.5	6.2	0.01	0.08	11.82	3.2	2.9		6.16	40	1.7	703		0.01	2.5	0.06	403
1303475	LB	2012-07-18	UTM83-8	7128725	592816	1288	WHI12000535	Gossan, dark brown with orange, vuggy, minor grey oxide.		322		0.01	2.2	0.6	0.5	5.4	0.01	0.1	0.16	0.4	0.25		8.23	40	0.2	367		0.005	0.25	0.11	302
1303476	LB	2012-07-18	UTM83-8	7128748	592933	1266	WHI12000535	Gossan, dark brown with orange, vuggy, minor grey oxide.		4910		0.005	38.8	0.9	0.5	3.5	0.01	1.32	6.72	0.3	0.8		14.1	34.64	0.8	4219		0.005	0.25	0.91	282
1303477	LB	2012-07-18	UTM83-8	7128751	592933	1267	WHI12000535	Dark grey, fine grained, hard, does not fizz with acid, from Bouvette Formation? Irregular quartz vugs with euhedral crystals, blebby py < 1%. Quartzite?		353		0.005	26.6	0.1	0.5	1.9	0.01	0.85	0.45	2	2		5.58	1.56	0.05	47		0.005	1	0.2	44
1303478	LB	2012-07-19	UTM83-8	7128449	592424	1238	WHI12000535	Light beige limestone? Strongly clay altered, minor limonite on fractures, trace oxidized sulphides with limonite ring. Fizzes with HC		15		0.05	7.5	0.1	0.5	6	0.01	37.82	0.19	0.8	1.7		3.1	0.28	0.1	27		0.02	2.9	0.35	51
1303479	LB	2012-07-19	UTM83-8	7128565	592482	1226	WHI12000535	Gossan, dark brown, orange, minor red, 1% pyrite blebs, not very vuggy.		388		0.02	81.1	0.8	0.5	5.6	0.01	12.62	1.71	1.7	1.3		1.46	13.77	0.5	1972		0.005	1.9	3.56	507
1303480	LB	2012-07-19	UTM83-8	7128567	592487	1229	WHI12000535	Gossan with 1-5% pyrite. Dark grey dolostone? Breccia with strong pyrite, euhedral crystals in matrix, quartz veining, dark red oxidation		215		0.02	20.3	0.1	0.5	6.4	0.01	12.36	1.8	1.1	1.4		1.62	12.77	0.4	1563		0.005	1.4	3.78	682
1303481	LB	2012-07-19	UTM83-8	7128643	592593	1245	WHI12000535	Same as 1303481 with less pyrite (1-2%)		86		0.01	21.7	0.1	0.5	2.3	0.01	8.12	0.08	0.7	1		3.05	13.06	0.05	466		0.005	0.9	3.14	532
1303482	LB	2012-07-20	UTM83-8	7129121	599940	1620	WHI12000496	Beige, weakly brecciated rock. Light grey on fresh surface. Minor Fe oxide in fractures and on outside of rock. Small bleb (one bleb) or fine grained sulphide (py? Almost looks like cpy). Rock is very fine grained limestone?		16		0.12	0.9	1.4	0.5	23.3	0.12	33.87	0.14	5.5	2.9		74.89	1.29	0.3	2.5		0.02	5	1.23	393
1303483	LB	2012-07-20	UTM83-8	7128525	599714	1568	WHI12000496	Dark brown with orange patches, gossan. Minor red oxide, minor small vugs. Rock is still fairly heavy (has not weathered away completely). Minor oxidized sulphide.		3616		0.95	22.2	0.5	5	32	0.22	0.17	4.4	6.9	14.9		103.41	18.97	3.2	4214		0.16	1.8	0.19	191

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)
1298670	0.65	0.025	4	0.067		8.52	0.01	0.51	1.1	0.1	190.7	0.05	1.1	0.002	0.26	6.2	37	0.05		25.1
1303451	0.22	0.006	14.3	0.006		1.77	0.01	0.05	2.6	0.05	4.1	0.04	0.4	0.002	0.01	0.05	22	0.05		64.8
1303452	0.63	0.007	12.2	0.009		7.71	0.05	0.04	2.6	0.5	2526	0.19	1.1	0.0005	0.01	1.4	4	0.05		28.7
1303453	0.3	0.003	1.5	0.014		2.18	0.01	0.07	0.5	0.05	1402.1	0.05	0.3	0.0005	0.01	5.2	1	0.05		17.1
1303454	2.91	0.007	4.3	0.135	0.09	711.59	0.01	2.44	0.9	0.8	42.4	0.01	0.3	0.001	0.23	2.2	1	0.05	3.64	10000
1303455	1.38	0.0005	6.3	0.031	0.22	1457.87	0.03	1.24	0.9	0.05	3.5	0.07	0.3	0.0005	1.79	3	13	0.05	1.46	10000
1303456	2.2	0.0005	18.7	0.049	0.17	1217.97	0.02	0.04	0.7	0.8	1.9	0.04	0.3	0.0005	4.06	3.5	14	0.05	2.29	10000
1303457	1.04	0.0005	4.4	0.053	0.46	2947.41	0.03	0.03	1	0.05	1.7	0.02	0.5	0.0005	3.16	2.4	11	0.05	1.57	10000
1303458	0.34	0.007	1.3	0.036		20.82	0.01	0.02	0.6	0.05	65.7	0.01	0.3	0.0005	0.26	0.9	1	0.05		856.5
1303459	0.19	0.0005	3.6	0.014	0.12	767.19	0.03	0.01	1	0.05	0.25	0.06	0.4	0.0005	5.97	2.1	13	0.05	2.13	10000
1303460	1.21	0.0005	15.1	0.038	0.43	3203.38	0.03	1.13	0.7	0.3	0.6	0.03	0.2	0.0005	4.1	2.6	11	0.05	2.03	10000
1303461	0.01	0.011	0.5	0.021		5.84	0.01	0.01	0.1	0.05	271.1	0.03	0.05	0.0005	0.01	1	1	0.05		36.2
1303462	0.17	0.019	0.05	0.042		1.24	0.06	0.01	0.9	0.05	720.1	0.1	0.1	0.0005	0.01	0.9	1	0.05		33.4
1303463	1.01	0.0005	3.6	0.039	0.17	1260.71	0.05	0.32	1.1	0.1	5.2	0.03	0.7	0.0005	2.94	3.1	14	0.05	2.52	10000
1303464	0.23	0.0005	2	0.037	0.18	1161.98	0.06	0.18	0.7	0.05	1.9	0.02	0.5	0.0005	0.35	0.8	14	0.05	1.53	10000
1303465	1.68	0.0005	14.3	0.037	0.09	564.01	0.03	0.12	0.9	0.1	2.3	0.01	0.6	0.0005	3.87	3.1	11	0.05	1.62	10000
1303466	0.39	0.005	0.05	0.018		23.88	0.07	0.01	0.3	0.05	36.3	0.04	0.05	0.0005	0.1	0.6	1	0.05		3580.9
1303467	0.65	0.006	0.05	0.019		43.83	0.07	0.01	0.3	0.05	36.8	0.01	0.05	0.0005	0.1	0.6	1	0.05		3784.1
1303468	0.16	0.0005	27.9	0.011		45.31	0.01	0.13	4	0.05	11.4	0.01	2.6	0.0005	0.06	1.5	29	0.05		74.1
1303469	1.28	0.007	0.4	0.009		5.42	0.01	0.04	0.3	0.05	57.2	0.01	0.05	0.0005	0.05	1	1	0.05		223.4
1303470	0.12	0.008	0.8	0.031		625.41	0.01	0.15	0.6	0.05	132.4	0.01	0.4	0.0005	0.09	0.4	1	0.05		531.4
1303471	4.95	0.0005	11.4	0.051	0.7	6098.65	0.01	1.54	1.3	0.6	1.5	0.05	0.05	0.0005	1.22	2.7	19	0.05	1.99	10000
1303472	1.96	0.0005	3.2	0.021	0.27	3274.9	0.03	18.7	0.7	20.6	2	0.01	0.05	0.0005	0.85	0.4	1	0.05	47.87	10000
1303473	2.51	0.0005	3.5	0.022	0.7	4725.21	0.01	0.79	0.7	0.4	0.9	0.01	0.05	0.0005	1.89	2.7	15	0.05	1.24	10000
1303474	1.81	0.0005	35.9	0.02	0.18	1380.02	0.01	0.35	0.8	0.6	3.7	0.01	0.3	0.0005	7.2	2.9	14	0.05	2.85	10000
1303475	6.38	0.0005	1.9	0.01		218.04	0.03	0.79	0.8	0.05	0.7	0.04	0.05	0.0005	1.43	1.9	12	0.05		50.5
1303476	3.13	0.0005	0.4	0.025		4086.88	0.17	8.55	0.3	0.2	5	0.01	0.05	0.0005	11.76	2.6	12	0.05		5983.2
1303477	1.59	0.001	3.8	0.222		41.45	1.29	2.46	0.1	0.05	7.7	0.06	0.05	0.0005	0.84	2	6	0.05		119.5
1303478	0.1	0.0005	3.7	0.012		3.88	0.01	0.22	0.5	0.05	36.6	0.01	0.3	0.0005	0.1	1.9	3	0.05		25.4
1303479	13.35	0.003	2.4	0.085		187.24	8.17	3.25	0.2	0.05	61.2	0.04	0.1	0.0005	53.79	5.1	4	0.05		2511.5
1303480	2.77	0.003	1.2	0.062		177.34	8.62	2.11	0.2	0.05	56.4	0.01	0.1	0.0005	51.6	2.8	2	0.05		2348.7
1303481	3.92	0.002	1.2	0.05		184.9	9.19	0.99	0.2	0.2	22.5	0.01	0.05	0.0005	50.25	1.6	4	0.05		103.1
1303482	0.04	0.016	12.2	0.004		8.11	0.01	0.04	1.4	0.7	610.4	0.01	0.9	0.0005	0.01	4.1	5	0.05		37.1
1303483	2.26	0.003	37.2	0.062		118.81	0.04	3.28	4.8	1.1	0.25	0.01	4.2	0.0005	0.08	3.7	18	0.05		3428.5

2011 and 2012 Rock Locations, Descriptions and Analytical Results

Sample No.	Sampler	Sample Date	Grid	Northing	Easting	Elevation	Certificate	Description	Weight (kg)	Ag (ppb)	Ag (ppm)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (%)	Cu (ppm)	Fe (%)	Ga (ppm)	Hg (ppb)	Hg (ppm)	K (%)	La (ppm)	Mg (%)	Mn (ppm)
1303484	LB	2012-07-20	UTM83-8	7128524	599690	1577	WHI12000496	Dark brown arkose breccia? Clasts of 0.5 cm size with open space between, clasts of limestone, shale, minor Fe oxide, minor silvery oxide.		958		2.92	6	0.1	8	76	0.35	0.24	2.67	69.4	14.4		71.29	5.52	3.1	46		0.26	5.1	0.38	5774
1303485	LB	2012-07-21	UTM83-8	7128944	593473	1367	WHI12000496	Orange vuggy gossan with minor red. Trace pyrite		391		0.31	43.7	0.1	0.5	19.4	0.01	0.37	1.14	1.7	24.3		15.85	25.13	6.1	1807		0.005	19.3	0.14	277
1303486	LB	2012-07-21	UTM83-8	7128937	593469	1367	WHI12000496	Light orange, clay rich fault breccia? Some quartz crystals filling open space, some dark reddish-brown Fe oxide, minor green on fracture (malachite?)		96		0.03	49	0.1	0.5	3.2	0.01	0.05	0.18	0.7	1.8		1.23	6.93	0.05	141		0.005	0.9	0.01	82
1303487	LB	2012-07-21	UTM83-8	7128938	593468	1362	WHI12000496	Dark reddish brown annealed fault breccia with quartz clasts, minor vugs, similar to 1303486 but no light brown orange clay. Moderate orange Fe oxide, no visible sulphides.		57		0.04	76.1	0.1	0.5	4.2	0.01	0.05	0.31	1.5	1.1		0.76	24.87	0.1	335		0.005	1.1	0.02	109
1303488	LB	2012-07-21	UTM83-8	7128932	593462	1360	WHI12000496	Dark reddish brown gossan, minor vugs, rainbow tarnish on fracture surface, no visible sulphide		532		0.005	53.9	0.1	0.5	8.6	0.01	0.1	2.06	1.1	0.9		2.95	31.23	0.4	2391		0.005	0.25	0.05	255
1303489	LB	2012-07-21	UTM83-8	7128935	593467	1361	WHI12000496	Dark brown gossan, small minor vugs throughout, lighter orange Fe oxide around some clasts, minor visible quartz clasts, no visible sulphide.		106		0.02	62.6	0.1	0.5	3.1	0.01	0.06	0.43	0.9	1.1		1.18	18.03	0.05	357		0.005	0.8	0.03	94
1303490	LB	2012-07-22	UTM83-8	7129078	594905	1419	WHI12000496	Dark brown gossan, looks to have previously been a breccia. There are angular clasts visible that have now altered to light orange clay. Lots of Fe oxide throughout, moderately vuggy, no visible sulphide.		1358		0.04	18.9	0.1	0.5	11.1	0.01	0.09	4.6	0.9	2.2		4.78	34.18	0.7	8660		0.005	1.2	0.09	453
1303491	LB	2012-07-22	UTM83-8	7129092	594899	1419	WHI12000496	Dark brown gossan with lots of Fe oxide. Fairly light, no visible sulphide, minor vugs.		7121		0.04	34.9	0.8	0.5	4.8	0.01	0.08	18.54	2.1	2.5		18.5	40	2.7	34056		0.005	1.6	0.06	408
1303492	LB	2012-07-23	UTM83-8	7130338	597644	1505	WHI12000496	Beige, vuggy, heavy (barite?) rock with some orange Fe oxide. Cubes of galena ~2% overall (cubes ~1cm in size). Wall rock is strongly clay altered. Float ridge top.		5222		0.07	13.4	0.1	1	23.2	0.01	12.23	415.3	1.1	3.6		62.33	1.32	13.6	21448		0.03	0.8	5.8	853
1303493	LB	2012-07-24	UTM83-8	7127844	597603	1429	WHI12000496	Pyrite filled nodules in shale unit. ~40% pyrite, fine grained, almost massive, evenly distributed throughout. Outside is reddish, Fe oxide. Creek bed float on contact shale/algae lake		916		0.57	50.6	0.1	2	1.3	0.03	0.05	1.45	88.9	5.1		173.77	28.77	1.7	144		0.09	0.25	0.16	16
1303494	LB	2012-07-24	UTM83-8	7127865	597538	1423	WHI12000496	Dark grey dolomite, veins of quartz/calcite with minor pyrite in middle, veins up to 1 cm wide, grown in towards centre. Fe oxide on fractures and on outside of rock. Creek bed float on contact shale/algae lake		50		0.07	3.2	0.1	3	29.3	0.01	19.29	0.21	7.5	1.6		9.18	6.46	0.4	60		0.03	3	7.47	5498
1303495	LB	2012-07-24	UTM83-8	7127804	597725	1460	WHI12000496	Dark grey dolomite, veins of quartz/calcite with minor pyrite in middle, veins up to 1 cm wide, grown in towards centre. Fe oxide on fractures and on outside of rock		1550		0.68	76.1	13.2	5	1	0.03	0.02	0.14	158.1	6.1		213.33	28.91	2	272		0.11	0.7	0.18	20
1303496	LB	2012-07-27	UTM83-8	7130604	597859	1456	WHI12000523	Grey limestone - tan limestone - white calcite breccia, no visible sulphides		14		0.01	7.5	0.1	0.5	10	0.01	36.35	0.05	1.3	1.3		0.74	0.33	0.05	85		0.005	0.7	0.23	306
1303497	LB	2012-07-27	UTM83-8	7130451	597879	1484	WHI12000523	Grey limestone, calcite breccia, red clasts in coarse dark grey crystalline calcite matrix		11		0.12	14.3	0.1	3	20.3	0.01	30.63	0.04	2.8	3.3		3.91	0.74	0.4	495		0.07	1.7	1.16	373
1303498	LB	2012-07-27	UTM83-8	7130449	597863	1483	WHI12000523	Grey limestone with hematite limestone - siltstone clasts < 3mm average		27		0.07	5.2	0.1	1	10.9	0.01	32.75	0.08	2.3	2.7		5.87	0.73	0.3	713		0.05	1.5	0.38	294
1303499	LB	2012-07-27	UTM83-8	7130453	597857	1483	WHI12000523	As above, limestone breccia conglomerate		19		0.03	2.1	0.1	0.5	3.4	0.01	30.47	0.12	1.6	0.9		1.63	0.44	0.1	173		0.02	0.25	1.97	250
1303500	LB	2012-07-27	UTM83-8	7130438	597848	1491	WHI12000523	Red hem limestone and grey limestone with calcite veining		22		0.11	9.7	0.1	2	19	0.03	29.53	0.06	4.4	3.6		8	1.44	0.4	711		0.07	1.4	0.75	408

Sample No.	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sr (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Zn (%)	Zn (ppm)
1303484	0.58	0.002	96.7	0.044		105.51	0.07	0.58	6.7	0.05	21.8	0.01	6.7	0.002	0.18	2.8	18	0.05		418.6
1303485	9.65	0.0005	7.4	0.315		7966.5	0.07	16.09	2.3	1.2	51.9	0.01	7.3	0.003	2.33	7.1	13	0.05		2765.7
1303486	1.39	0.0005	2.4	0.012		30.12	0.01	3.63	0.4	0.05	15.8	0.01	0.05	0.0005	0.24	0.8	1	0.05		1224
1303487	1.78	0.001	5.8	0.012		49.01	0.01	5.37	0.3	0.3	0.8	0.01	0.05	0.0005	0.47	3	5	0.05		4579
1303488	1.52	0.001	5.4	0.046		389.13	0.03	11.4	0.3	0.4	0.8	0.01	0.05	0.0005	1.58	4.2	7	0.05		7046.3
1303489	0.34	0.0005	4.3	0.031		37.15	0.01	1.34	0.3	0.2	0.9	0.01	0.05	0.0005	0.26	1.4	4	0.05		3662.8
1303490	1.7	0.001	3.9	0.066	0.19	1620.71	0.05	8.91	0.5	0.6	11.1	0.01	0.05	0.0005	2.88	4.9	8	0.05	1.42	10000
1303491	4.47	0.002	7.9	0.103	0.54	4447.16	0.07	10.6	0.8	2.1	6.2	0.01	0.2	0.0005	2.61	5.5	7	0.05	4.36	10000
1303492	0.21	0.005	6.3	0.064	2.28	10000	0.19	6.7	1.4	11	95.3	0.01	0.4	0.0005	0.1	1.1	7	0.05	11.93	10000
1303493	0.11	0.003	130	0.003		538.81	10	1.47	1.3	0.05	1.6	0.01	1.1	0.0005	1.66	0.05	10	0.05		427.8
1303494	0.22	0.012	11.1	0.012		83.65	1.24	0.17	1.1	0.3	148.1	0.01	0.5	0.0005	0.2	0.6	5	0.05		197.8
1303495	0.24	0.004	154.6	0.003		270.16	10	1.28	2	5.3	0.25	0.01	1.3	0.001	1.51	0.4	14	0.05		151.6
1303496	0.01	0.005	0.05	0.008		1.85	0.01	1.52	1.2	0.3	174.7	0.01	0.1	0.0005	0.03	0.7	4	0.05		9.7
1303497	0.1	0.006	0.05	0.01		2.79	0.01	1.25	3.5	0.3	249.9	0.01	0.6	0.0005	0.21	0.6	9	0.05		11.2
1303498	0.18	0.005	0.05	0.008		6.91	0.01	0.46	3.7	0.4	215.7	0.02	0.6	0.0005	0.13	0.6	9	0.05		43
1303499	0.07	0.007	0.05	0.007		10.61	0.01	0.15	0.6	0.3	62.1	0.01	0.2	0.0005	0.06	0.3	1	0.05		69.7
1303500	0.15	0.004	0.05	0.016		9.64	0.01	0.79	2.7	0.3	81.8	0.01	1	0.0005	0.34	0.7	8	0.05		13.7

Appendix C:

2012 Soil Sample Locations and Analytical Results

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
118051	LB	2011-06-29	UTM83-8	7127513	594178	1548	WHI11000454	32	0.61	35.4	1.2	2	103.3	0.8	0.13	22.16	1.06	20.4	6.4	8.6	1.48	15.97	1.28	1.7	0.05	0.15	44	0.01	0.07	9.9	3.1	3.68	332	2	0.005	0.09	56.7	0.066	14.84	16	1	4.4	0.5	0.01	0.77	
118052	LB	2011-06-29	UTM83-8	7127552	594158	1529	WHI11000454	28	0.33	9.3	1.6	2	50.6	0.3	0.06	20.73	0.59	9.9	3.5	7.1	0.84	8.9	0.61	0.7	0.05	0.07	40	0.01	0.04	7.3	2.6	8.37	172	1.58	0.009	0.08	26.3	0.051	10.66	5	2	2.8	0.5	0.01	0.4	
118053	LB	2011-06-29	UTM83-8	7127584	594126	1547	WHI11000454	17	0.08	2.7	0.5	2	16.7	0.05	0.03	21.13	0.14	4.4	1.1	3.3	0.31	2.93	0.16	0.2	0.05	0.03	16	0.01	0.02	4.3	1.1	9.48	63	0.66	0.009	0.04	6.2	0.012	7.22	5	1	1	0.5	0.01	0.16	
118054	LB	2011-06-29	UTM83-8	7127664	594047	1498	WHI11000454	247	0.08	6.2	0.1	2	30.6	0.05	0.03	19.39	0.54	5.4	1.5	6.6	0.21	5.48	0.36	0.2	0.05	0.01	9	0.01	0.03	3.8	1.1	9.36	78	2.8	0.009	0.04	12.3	0.063	6.05	5	1	1.4	0.5	0.01	0.29	
118055	LB	2011-06-29	UTM83-8	7127780	594014	1410	WHI11000454	24	0.2	10.2	0.1	3	71.9	0.4	0.09	24.07	0.33	9.1	3.9	7.1	0.75	8.16	0.75	0.6	0.05	0.05	22	0.01	0.06	5	1.3	5.15	84	2.14	0.008	0.05	19.8	0.047	10.2	5	1	3.5	0.5	0.01	0.43	
118056	LB	2011-06-29	UTM83-8	7127885	594110	1365	WHI11000454	23	0.33	20.3	1.1	2	60.1	0.3	0.06	22.39	0.74	13.6	4.6	5	1.11	9.61	0.65	0.8	0.05	0.1	34	0.01	0.04	7.5	2.6	7.01	238	1.47	0.007	0.15	38.7	0.046	6.26	5	1	3.2	0.5	0.01	0.47	
118101	FT	2011-06-28	UTM83-8	7124347	597887	1426	WHI11000454	97	0.83	9.4	0.5	4	152.8	0.6	0.13	7.25	0.44	32.7	7.5	21.3	0.46	15.44	1.95	1.9	0.05	0.04	17	0.02	0.08	17.8	6.6	3.14	391	0.85	0.008	0.26	24.8	0.077	10.99	5	1	5.2	0.5	0.02	0.42	
118102	FT	2011-06-28	UTM83-8	7124453	597893	1435	WHI11000454	138	0.93	12.3	0.1	5	188.9	0.8	0.14	7.87	0.54	27.4	6.4	21.5	0.39	14.04	1.88	2	0.05	0.05	28	0.01	0.08	16.3	6.9	3.52	516	1.06	0.007	0.46	21.7	0.09	15.31	5	1	6.7	0.5	0.09	0.51	
118103	FT	2011-06-28	UTM83-8	7124526	597915	1452	WHI11000454	125	0.49	5.8	0.1	3	71.7	0.5	0.06	15.32	0.44	9.4	3.7	12.1	0.45	7.32	0.77	1.1	0.05	0.01	22	0.01	0.03	7.9	3.2	7.55	453	0.49	0.006	0.1	17	0.068	13.25	5	1	3.7	0.5	0.03	0.28	
118104	FT	2011-06-28	UTM83-8	7124582	597991	1464	WHI11000454	59	0.59	7.4	0.8	6	232	0.8	0.1	10.15	0.56	38.3	6.2	11.7	0.56	11.85	1.93	1.4	0.05	0.05	31	0.03	0.13	20.1	4.6	3.69	260	0.98	0.008	0.43	28.2	0.088	10	5	1	5.9	0.5	0.04	0.38	
118105	FT	2011-06-28	UTM83-8	7124684	598005	1461	WHI11000454	103	0.9	11.8	0.1	9	197.5	1.1	0.12	8.59	0.24	55.2	8.6	21.3	0.41	15.1	2.58	2	0.05	0.09	24	0.01	0.21	27.7	7.4	2.05	351	1.22	0.007	0.42	31.5	0.116	18.61	5	1	7.4	0.5	0.03	0.42	
118106	FT	2011-06-28	UTM83-8	7124777	598014	1461	WHI11000454	71	0.67	14.7	0.1	9	123.9	0.3	0.1	12.02	0.5	45.7	6.7	19.5	0.56	15.21	2.09	1.9	0.05	0.05	29	0.01	0.17	23.1	5.6	1.99	166	1.38	0.008	0.57	35.6	0.143	9.66	5	1	6.8	0.5	0.04	0.48	
118107	FT	2011-06-28	UTM83-8	7124876	597995	1471	WHI11000454	110	0.62	10	0.1	9	176.1	0.6	0.1	14.2	0.26	20.1	5.1	20.8	0.32	11.43	1.39	1.2	0.05	0.04	38	0.01	0.09	13.6	4.5	0.82	229	1.14	0.008	0.28	21.8	0.133	12.4	5	1	4.7	0.5	0.13	0.46	
118108	FT	2011-06-28	UTM83-8	7124977	597977	1473	WHI11000454	320	0.92	30.7	0.9	10	190.1	0.6	0.15	5.59	0.8	22.1	9.2	27.4	0.5	20.02	1.95	2.1	0.05	0.04	47	0.01	0.09	13.2	7.2	1.9	404	2.5	0.006	0.37	38.9	0.169	15.04	5	1	6.9	0.5	0.14	0.84	
118109	FT	2011-06-28	UTM83-8	7125001	598059	1504	WHI11000454	96	0.49	8.7	0.1	6	92.9	0.5	0.11	12.88	0.17	41.8	6.7	17.2	0.3	14.68	1.87	1.2	0.05	0.06	15	0.03	0.16	23.6	5.5	2.96	249	1.1	0.007	0.21	29.2	0.069	14.58	5	1	5.8	0.5	0.01	0.3	
118110	FT	2011-06-28	UTM83-8	7125040	598167	1519	WHI11000454	80	0.71	6.6	0.1	7	548.7	0.7	0.1	9.09	0.52	46	6.1	15.3	0.38	11.79	1.92	1.7	0.05	0.04	35	0.04	0.14	24.7	5	3.92	416	1.02	0.008	0.41	21.1	0.091	11.55	5	2	6.1	0.5	0.06	0.33	
118111	FT	2011-06-28	UTM83-8	7125081	598273	1525	WHI11000454	52	0.34	6.7	0.1	5	70.7	0.1	0.05	15.12	0.2	27.3	4.2	10.8	0.38	8.19	1.4	0.9	0.05	0.03	15	0.02	0.09	13.9	2.9	6.19	239	1.01	0.009	0.17	16.3	0.056	5.72	5	1	4.4	0.5	0.01	0.25	
118112	FT	2011-06-28	UTM83-8	7125176	598428	1539	WHI11000454	75	0.6	5.6	1.6	4	62.4	0.4	0.07	15.43	3.37	11.7	4.1	18	0.61	14.42	0.8	1.3	0.05	0.05	52	0.01	0.07	7.4	6	7.41	353	1.37	0.012	0.17	41.7	0.297	8.74	14	1	5.6	0.5	0.01	0.4	
118113	FT	2011-06-28	UTM83-8	7125224	598512	1553	WHI11000454	165	1.9	13.7	2.4	4	159.1	0.6	0.16	2.51	0.56	30.8	11.4	40	1.4	24.97	2.84	4.4	0.05	0.04	34	0.03	0.13	14.6	17	0.62	374	2.22	0.012	0.42	34.4	0.883	14.57	5	1	12.4	0.5	0.05	0.97	
118114	FT	2011-06-28	UTM83-8	7125124	598504	1554	WHI11000454	161	0.79	11.6	2.7	8	104.8	0.2	0.09	11	0.44	16.3	5.3	26.7	0.79	14.69	1.25	1.6	0.05	0.03	32	0.01	0.1	12.2	5.1	4.8	309	2.31	0.01	0.26	24.7	0.329	9.81	5	1	6.6	0.5	0.08	0.73	
118115	FT	2011-06-28	UTM83-8	7125015	598534	1538	WHI11000454	122	0.48	7.2	0.8	9	178.9	0.6	0.09	12.1	0.17	37.8	7.4	15	0.53	14.48	2	1.3	0.05	0.04	28	0.04	0.18	20.7	4.2	3.02	187	1.07	0.007	0.4	27.5	0.074	11.94	5	1	7.4	0.5	0.04	0.22	
118116	FT	2011-06-28	UTM83-8	7124948	598598	1503	WHI11000454	78	0.58	6.7	0.7	10	186.9	1.3	0.08	10.71	0.2	51.7	5.9	10.6	0.61	10.18	1.99	1.8	0.05	0.07	9	0.02	0.19	26.1	3.4	3.96	275	1.24	0.01	0.53	18.1	0.096	8.32	5	1	8	0.5	0.04	0.25	
118117	FT	2011-06-28	UTM83-8	7124896	598661	1490	WHI11000454	94	0.42	6.7	0.3	10	124.9	0.9	0.1	9.89	0.24	43.4	6.4	12.4	0.38	11.4	1.92	1.2	0.05	0.05	20	0.01	0.19	22.9	2.6	3.4	205	0.87	0.009	0.57	22.3	0.082	12.18	5	1	6.8	0.5	0.07	0.19	
118118	FT	2011-06-28	UTM83-8	7124858	598793	1494	WHI11000454	61	0.33	4.9	0.1	6	124.2	0.7	0.06	14.38	0.24	33	5.1	9.4	0.5	8.92	1.79	1	0.05	0.08	11	0.02	0.18	16.4	2.4	4	144	1.16	0.008	0.12	20	0.069	7.17	5	1	5.6	0.5	0.07	0.17	
118119	FT	2011-06-28	UTM83-8	7124836	598924	1494	WHI11000454	101	0.61	3.9	0.1	11	145.2	0.6	0.08	12.85	0.19	46.9	7.6	10.3	0.69	12.41	2.26	2	0.05	0.04	8	0.03	0.24	22.7	4.2	2.07	297	1.08	0.007	0.31	23.5	0.088	9.86	5	1	9.9	0.5	0.03	0.13	
118120	FT	2011-06-28	UTM83-8	7124911	599043	1484	WHI11000454	106	1.28	4.9	0.6	11	189.6	1.1	0.15	1.38	0.42	32.7	10.5	22.2	1.73	18.22	2.9																							

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
118051	2.5	0.5	4.6	74.4	0.025	0.01	2.7	0.007	0.82	3.9	35	0.05	12.51		167.3	9.5
118052	1.5	0.5	3.7	85.5	0.025	0.01	1.2	0.004	0.34	2.3	16	0.05	10.66		73.6	5.2
118053	0.5	0.3	4.2	79.2	0.025	0.01	0.3	0.001	0.15	0.8	6	0.05	4.13		17.5	1.1
118054	0.5	0.6	2.2	62	0.025	0.03	0.4	0.001	0.23	3.3	41	0.05	4.81		37.5	0.9
118055	1.2	0.2	4.2	101.2	0.025	0.06	1.5	0.002	0.33	3.8	11	0.05	6.11		39.7	3.8
118056	1.5	0.7	0.4	79.9	0.025	0.01	1.4	0.004	0.48	2.7	20	0.05	9.8		106.8	5.2
118101	2.8	0.6	1.4	45	0.025	0.01	1.3	0.007	0.25	0.6	30	0.05	13.05		81.4	1.1
118102	1.5	0.5	3.4	23.8	0.025	0.01	0.6	0.004	0.34	0.6	32	0.05	12.03		97	1.4
118103	0.3	0.8	3.6	34.6	0.025	0.01	0.1	0.003	0.13	0.3	15	0.05	8.52		72.9	0.3
118104	1.5	0.6	1.8	94.6	0.025	0.04	1	0.002	0.29	0.7	23	0.05	10.16		94.5	1.6
118105	2.5	0.4	7.4	81.3	0.025	0.01	1.6	0.002	0.22	0.8	27	0.05	13.95		85	2.7
118106	2.2	0.8	1.2	101.9	0.025	0.01	1.6	0.002	0.43	1.2	28	0.05	12.96		114.4	3.4
118107	0.8	0.9	3.7	54.7	0.025	0.01	0.2	0.002	0.22	1.1	24	0.05	10.72		56.4	0.8
118108	0.7	0.8	2.9	28.5	0.025	0.07	0.2	0.004	0.33	4.3	58	0.05	11.26		118.1	0.7
118109	3.1	0.7	3.7	142.2	0.025	0.01	2.5	0.002	0.09	0.7	21	0.05	11.99		65.4	1.9
118110	1.5	0.5	2.8	51.7	0.025	0.01	0.6	0.003	0.22	0.6	23	0.05	12.3		88.7	1.4
118111	1.7	0.6	0.7	85.6	0.025	0.01	1	0.002	0.17	0.6	15	0.05	7.76		55.9	1.1
118112	1.3	0.6	1.6	48.2	0.025	0.01	0.7	0.005	0.53	12.8	42	0.05	9.68		168.4	1.6
118113	2.4	0.5	1.1	40.9	0.025	0.01	1.2	0.019	0.34	32.9	115	0.2	12.89		96.5	0.9
118114	1.1	1.1	1.7	51.9	0.025	0.04	0.3	0.005	0.4	8.3	44	0.05	12.87		88	1
118115	2.7	0.4	2.2	134.1	0.025	0.01	1.7	0.001	0.38	0.7	20	0.05	11.23		49.3	2.8
118116	1.9	0.5	1.4	75.7	0.025	0.01	1.6	0.002	0.36	1.3	19	0.05	10.48		43.9	1.7
118117	2.5	0.5	2.1	93.3	0.025	0.01	1.6	0.002	0.43	0.9	16	0.05	10.58		65.4	2.2
118118	2.6	0.2	1.2	129.9	0.025	0.04	3.4	0.001	0.51	0.7	13	0.05	8.16		65.8	4.8
118119	3	0.3	1.8	189.7	0.025	0.07	2.8	0.002	0.33	0.6	20	0.05	9.96		58.8	2.4
118120	4	0.6	1.3	53.9	0.025	0.02	1.9	0.002	0.23	0.9	33	0.05	13.58		110.7	3.7
118121	4.8	0.7	2.2	102.2	0.025	0.01	1.8	0.002	0.26	0.7	26	0.05	14.61		92.1	4.5
118122	4.6	0.2	1.5	552.3	0.025	0.02	3	0.001	0.15	0.6	19	0.05	8.12		60.9	6.3
118123	4.3	0.4	1.2	322.9	0.025	0.01	2	0.001	0.15	0.6	20	0.05	9.74		76.1	5.7
118201	3.5	0.4	0.9	47.6	0.025	0.01	1.2	0.002	0.24	0.7	42	0.05	8.72		85.3	3.9
118202	6	0.8	1	109.7	0.025	0.03	4.6	0.002	0.25	0.7	31	0.05	10.35		113	6.5
118203	5.2	0.5	1.3	56.7	0.025	0.03	3.4	0.002	0.24	0.7	29	0.05	11.99		99.6	5.8
118204	4.7	0.3	1.2	24.2	0.025	0.04	4	0.006	0.16	1.3	26	0.05	12.18		72.4	2.8
118205	4.3	0.3	2.2	18.1	0.025	0.01	4	0.007	0.13	1.2	26	0.05	15.43		67.2	1.5
118206	4.4	0.2	2.2	16.3	0.025	0.05	5.9	0.006	0.1	1.4	25	0.2	8.58		59.2	1.2
118207	5.6	0.8	3.6	130	0.025	0.1	2.8	0.004	0.32	1.9	35	0.05	12.66		98.2	3.1
118208	4.9	0.8	1.4	56.1	0.025	0.04	3.2	0.004	0.15	1.2	21	0.05	19.41		106	4.2
118209	4.2	0.7	4.3	48.3	0.025	0.01	2.5	0.004	0.21	1.1	20	0.05	19.99		88.8	3.9
118210	2.8	0.5	0.7	200.1	0.025	0.03	2.4	0.002	0.38	1.8	22	0.05	10.63		156.7	3
118211	3.7	0.3	2.3	29.8	0.025	0.03	2.8	0.005	0.11	1.4	21	0.3	12.54		58.4	0.7
118579	1	1	0.3	28.9	0.025	0.01	0.7	0.001	16.04	3.6	1	0.05	6.85		10000	1.4
118901	1.7	0.3	1	77.5	0.025	0.05	1.6	0.009	0.35	1.4	19	0.05	9.29		99.6	2
118902	2.5	0.2	0.7	96.1	0.025	0.04	2.5	0.013	0.4	1.4	27	0.05	10.07		120.5	2.6
118903	0.7	0.2	0.05	70	0.025	0.04	0.4	0.002	0.18	0.6	6	0.05	3.99		17.1	0.4
118904	0.5	0.3	0.5	71.4	0.025	0.05	0.4	0.002	0.17	0.6	6	0.05	3.91		16.9	0.4
118905	0.8	0.2	0.7	82	0.025	0.06	0.6	0.003	0.19	0.9	9	0.05	4.48		21	0.5
118906	1	0.2	0.6	75.1	0.025	0.05	0.8	0.016	0.13	0.6	14	0.05	5.58		27.4	0.8
118907	0.8	0.2	0.8	79.2	0.025	0.06	0.5	0.004	0.18	0.9	8	0.05	4.53		19.1	0.5
118908	0.6	0.2	0.5	71.7	0.025	0.07	0.4	0.003	0.16	0.7	7	0.05	4.11		16.7	0.5
118909	0.7	0.3	0.7	79.6	0.025	0.04	0.5	0.004	0.17	0.8	9	0.05	4.66		19.2	0.5
118910	0.7	0.2	0.2	80.7	0.025	0.07	0.5	0.004	0.16	0.8	8	0.05	4.55		18.5	0.5
118911	0.8	0.3	0.4	79	0.025	0.08	0.5	0.005	0.19	0.8	9	0.05	4.95		23.1	0.5
118912	0.9	0.3	0.3	81.2	0.025	0.07	0.5	0.005	0.17	0.8	8	0.05	4.66		20	0.5
118913	0.3	0.6	1.8	57.9	0.025	0.06	0.1	0.002	5.77	1.5	1	0.05	1.73		4069	0.4
118914	0.4	0.3	0.9	90.1	0.025	0.04	0.1	0.001	8.4	1.9	1	0.05	1.77		3501.5	0.3
118915	0.3	0.3	1.8	48	0.025	0.04	0.1	0.002	3.2	0.8	1	0.05	1.6		852.9	0.3
118916	0.3	0.2	1	54.6	0.025	0.05	0.3	0.001	74.49	3.2	1	0.05	4.02		472.4	0.4
118917	0.4	0.3	0.7	72.2	0.025	0.04	0.2	0.0005	46.02	3.8	1	0.05	3.87		1514.2	0.6
118918	0.2	0.4	1.3	104.6	0.025	0.04	0.3	0.001	48.84	4.2	1	0.05	4.93		1293.7	0.5
118919	8.8	3.2	1	89.1	0.025	0.01	2.5	0.003	1.89	3.1	41	0.05	32.97		4256.1	1.5
118920	7.1	1.9	0.8	54.2	0.025	0.01	2.8	0.006	0.27	1.4	38	0.05	17.48		114.4	2.6
118997	6.3	1.7	1.2	75.9	0.025	0.15	3.9	0.002	3.41	6.1	49	0.05	14.8		126.6	7.4
118998	3.5	0.2	1	6.2	0.025	0.1	3.3	0.007	0.11	1	34	0.2	5.44		92.6	2
118999	4.7	0.6	1.6	30.3	0.025	0.08	3.4	0.007	1.04	4	77	0.1	35.04		653.2	6.4
119000	2	0.2	0.4	39	0.025	0.04	1.6	0.009	0.37	1.1	26	0.05	9.2		88.5	1.1
120589	3.5	0.3	0.6	68.8	0.025	0.03	2.4	0.02	0.17	0.9	51	0.2	12.12		97.7	1.6
120590	2.5	0.6	0.5	45.7	0.025	0.04	1.1	0.011	0.27	2	58	0.1	13.58		127.6	1.8
120591	1.7	0.7	0.6	157.6	0.025	0.04	0.6	0.009	0.35	1.8	60	0.05	12.72		147.6	1.4
120592	1.7	0.5	0.6	139.9	0.025	0.03	0.7	0.009	0.3	1.7	49	0.1	12.56		154.9	1.9
120593	1.3	0.2	0.5	154.4	0.025	0.05	0.7	0.004	0.66	1.4	29	0.05	5.73		55.5	1
120594	1.1	0.3	0.5	130.1	0.025	0.04	0.9	0.003	0.43	2.7	13	0.05	3.59		31.8	0.9
120595	1.5	0.6	0.7	93.1	0.025	0.01	0.9	0.003	0.21	0.8	13	0.05	4.59		26.5	0.9
120597	0.9	0.4	0.5	84.3	0.025	0.01	0.4	0.006	0.16	0.7	13	0.05	5.25		33	0.8
120598	6.6	0.1	0.3	61.1	0.025	0.04	2.2	0.0005	0.5	0.8	28	0.05	9.09		16.8	1.2
120601	2.9	0.2	0.4	44.7	0.025	0.03	0.8	0.009	0.19	1.2	32	0.05	10.87		48.7	0.6
120602	1.4	0.3	0.6	35.7	0.025	0.02	0.3	0.008	0.25	1.2	43	0.1	11.87		89.4	0.4
120603	3.7	0.4	0.6	37.5	0.025	0.03	1.9	0.007	0.28	2.8	40	0.05	12.04		144.5	1.8
120604	2.4	0.1	0.9	94.8	0.025	0.05	2.9	0.005	0.3	1	33	0.05	6.11		77.9	1.8
120605	2.6	0.05	0.6	98.5	0.025	0.04	2.6	0.005	0.25	0.8	21	0.05	6.17		80.3	2.5
120606	2.1	0.3	0.9	44.5	0.025	0.03	1.5	0.01	0.09	0.6	26	0.05	6.81		75.3	1.2
120607	2.9	0.7	0.8	73.1	0.025	0.03	1.6	0.003	0.34	1.4	18	0.05	6.78		99.9	1.7
120608	2.2	0.7	0.9	35.8	0.025	0.03	1	0.01	0.41							

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
120618	FT	2011-06-27	UTM83-8	7126284	593243	1437	WH11000454	185	1.9	13.3	1.1	3	133.8	0.8	0.17	1.27	0.24	39.5	12.7	25.1	0.89	35.47	3.37	5.2	0.05	0.03	42	0.03	0.06	25.5	16.3	1.01	655	1.87	0.007	1.27	28.1	0.098	12.97	5	1	7.2	1	0.06	0.67	
120619	FT	2011-06-27	UTM83-8	7126210	593180	1392	WH11000454	118	1.63	8	0.6	4	145.1	1	0.14	1.58	0.42	40.2	11.7	21.8	0.81	21.93	3	4.8	0.05	0.04	47	0.03	0.09	25.3	17.2	0.85	623	1.19	0.012	0.89	22.9	0.092	14.07	5	1	8.6	1	0.08	0.48	
120620	FT	2011-06-27	UTM83-8	7126145	593104	1367	WH11000454	60	2.07	17.3	1.1	1	132.5	0.8	0.25	0.81	1.4	46.3	9.4	28	1.38	12.52	2.84	4.7	0.05	0.01	44	0.03	0.05	14.7	11.8	0.52	455	1.73	0.004	0.77	25.3	0.073	17.17	5	1	9.2	1	0.05	0.83	
120621	FT	2011-06-27	UTM83-8	7126065	593029	1353	WH11000454	86	0.67	9.3	0.9	2	56.7	0.3	0.06	12.42	0.32	20.1	5.8	12.1	0.5	9.2	1.35	1.6	0.05	0.01	20	0.01	0.04	11.7	5	6.08	331	1.26	0.011	0.3	13.9	0.065	6.96	5	1	3.3	0.5	0.01	0.52	
120622	DS	2011-06-28	UTM83-8	7125389	597387	1313	WH11000454	98	1.09	6.9	0.6	4	109.7	0.9	0.14	5.8	0.32	34.4	11.7	17.7	0.75	16.57	2.57	2.9	0.05	0.04	23	0.03	0.09	17.9	13.6	2.34	585	0.78	0.004	0.25	18.7	0.096	15.68	5	1	7	1	0.02	0.35	
120623	DS	2011-06-29	UTM83-8	7127202	598190	1771	WH11000454	72	0.8	7.5	3.5	1	53.3	0.2	0.18	0.08	0.12	17.3	4.2	20.4	1.35	14.04	2.05	3.8	0.05	0.01	41	0.01	0.05	7.9	4.7	0.16	117	1.63	0.002	0.42	12.7	0.047	15.38	5	1	7.1	1	0.05	0.85	
120624	DS	2011-06-29	UTM83-8	7127116	598138	1738	WH11000454	123	0.64	6.2	0.6	2	58.9	0.5	0.21	0.07	0.05	7.8	3.7	14.3	2.17	17.98	1.99	1.9	0.05	0.03	16	0.04	0.11	3.1	7.4	0.15	70	1.07	0.004	0.12	10.1	0.033	28.19	5	1	7.3	0.5	0.1	0.43	
120625	DS	2011-06-29	UTM83-8	7127054	598058	1698	WH11000454	71	0.9	6.3	0.6	1	60.5	0.6	0.22	0.03	0.08	10.7	6.1	16	2.34	17.53	1.87	2.5	0.05	0.01	17	0.02	0.08	4.7	11.9	0.17	116	0.99	0.002	0.2	12.5	0.032	17.95	5	1	8.9	0.5	0.05	0.5	
120626	DS	2011-06-29	UTM83-8	7126979	597991	1662	WH11000454	97	1.22	7.9	1.5	2	81.5	0.7	0.36	0.03	0.1	12.5	5.3	18.6	3.63	22.26	2.64	4	0.05	0.01	14	0.05	0.16	4.8	12.2	0.19	139	1.12	0.003	0.24	12.8	0.044	28.1	5	1	15.9	1	0.08	0.55	
120627	DS	2011-06-29	UTM83-8	7126880	597980	1610	WH11000454	79	0.66	4.9	0.4	2	63.6	0.5	0.2	0.01	0.04	9.4	2.6	12.2	2.53	14.71	1.44	1.9	0.05	0.05	13	0.01	0.12	3.5	5.9	0.09	65	1.01	0.005	0.08	7.3	0.035	18.82	5	1	10.4	1	0.09	0.32	
120628	DS	2011-06-29	UTM83-8	7126782	597956	1574	WH11000454	130	0.99	3.5	0.5	5	126	1.1	0.15	8.83	0.33	31.4	11.8	15.7	1.82	16.5	2.79	2.1	0.05	0.04	17	0.04	0.15	12.7	11.5	0.51	381	1.48	0.005	0.17	31.5	0.063	15.62	5	1	9.8	0.5	0.02	0.36	
120629	DS	2011-06-29	UTM83-8	7126681	597949	1538	WH11000454	79	0.73	5	2.2	1	55.9	0.4	0.13	0.09	0.16	11.9	3.4	13	1.27	11.79	1.39	2.1	0.05	0.01	27	0.01	0.07	5.2	8.1	0.14	88	1	0.002	0.16	10.6	0.039	11.29	5	1	7.4	0.5	0.04	0.41	
120630	DS	2011-06-29	UTM83-8	7126567	597979	1496	WH11000454	219	2.01	5.8	0.8	4	234	2.2	0.19	0.29	1.11	52.3	3.0	20.2	2.79	41.43	3.64	2	0.05	0.13	53	0.01	0.16	16.7	50.3	0.22	2837	5.68	0.002	0.31	276.7	0.075	35.42	26	1	10.6	0.5	0.01	0.63	
120631	DS	2011-06-29	UTM83-8	7126457	598007	1460	WH11000454	125	1.04	2.7	0.2	2	109.1	0.8	0.14	0.23	0.11	33.1	5.6	15.7	1.54	11.44	1.75	2.9	0.05	0.04	21	0.02	0.1	13.1	12.3	0.29	222	0.72	0.002	0.14	16.2	0.081	10.65	5	1	11.5	0.5	0.04	0.27	
120632	DS	2011-06-29	UTM83-8	7126370	598052	1431	WH11000454	71	1.17	4.6	2.9	2	106.7	1	0.17	0.14	0.17	40.2	8.4	17.9	1.52	12.62	2.25	3.1	0.05	0.01	6	0.03	0.09	11.8	14.5	0.32	398	0.81	0.001	0.25	18.7	0.056	14.15	5	1	10.2	1	0.01	0.37	
121513	SD	2011-06-27	UTM83-8	7127489	595949	1674	WH11000454	126	0.69	9	1.3	1	76.8	0.4	0.08	9.39	0.37	17	4.8	27.8	0.5	10.28	1.43	1.5	0.05	0.03	13	0.01	0.04	11	5	5.02	247	1.42	0.009	0.24	23.2	0.074	9.55	5	1	3.3	0.5	0.01	0.72	
121514	SD	2011-06-27	UTM83-8	7127585	595978	1689	WH11000454	84	0.2	21.2	0.5	3	52.7	0.2	0.01	15.52	0.73	5.8	2.7	52.9	0.68	7.01	2.41	0.5	0.05	0.03	18	0.01	0.03	6.5	1	7.26	111	4.38	0.016	0.05	17.8	0.036	9.08	5	2	1.4	1	0.01	1.47	
121515	SD	2011-06-27	UTM83-8	7127672	596026	1681	WH11000454	38	0.09	1.5	1.2	1	15.3	0.1	0.01	16.54	0.17	2.1	0.6	3.9	0.09	3.75	0.14	0.1	0.05	0.01	5	0.01	0.005	1.4	0.6	9.08	119	0.63	0.01	0.03	5.8	0.074	5	5	1	0.9	0.5	0.01	0.28	
121516	SD	2011-06-27	UTM83-8	7127753	596059	1666	WH11000454	314	1.35	13.5	0.6	5	186.2	1.1	0.26	0.49	0.09	82.4	17.3	14.8	3.56	32.91	4.5	3.9	0.05	0.08	59	0.06	0.18	30.3	15.7	0.46	553	0.75	0.0005	0.27	22.4	0.16	9.07	5	2	16.9	2	0.04	0.5	
121517	SD	2011-06-27	UTM83-8	7127853	596078	1672	WH11000454	32	0.57	2	0.1	8	288.8	0.9	0.12	9.84	0.04	21.7	12.1	11	2.22	12.3	2.48	1.3	0.05	0.18	12	0.02	0.24	8.5	4.6	1.53	350	0.82	0.009	0.03	23.2	0.041	14.44	5	1	12.4	2	0.03	0.09	
121518	SD	2011-06-27	UTM83-8	7127954	596107	1680	WH11000454	20	0.39	2	0.1	6	88.7	0.6	0.05	18.05	0.04	20.6	7.4	8.5	0.8	8.85	1.65	1.1	0.05	0.08	24	0.01	0.16	9.8	3.5	0.48	203	0.79	0.004	0.1	18.4	0.033	9.66	5	1	6.9	0.5	0.01	0.07	
121519	SD	2011-06-27	UTM83-8	7128057	596126	1692	WH11000454	14	0.37	1.1	0.1	5	87	0.6	0.06	18.15	0.02	21.4	6.6	7.8	0.93	6.98	1.57	0.9	0.05	0.01	2.5	0.01	0.14	9.6	3.9	0.74	198	0.33	0.005	0.07	12.4	0.032	6.87	5	1	6.4	0.5	0.04	0.06	
121520	SD	2011-06-27	UTM83-8	7128161	596151	1702	WH11000454	24	0.41	1.7	6.6	7	144.3	0.7	0.16	17.21	0.08	27.8	8.6	7.9	1.59	9.4	1.55	1	0.05	0.06	23	0.05	0.12	12.9	5.1	0.38	282	0.52	0.004	0.16	14.8	0.051	7.83	5	1	7.4	0.5	0.06	0.14	
121521	SD	2011-06-27	UTM83-8	7128264	596164	1705	WH11000454	79	0.99	5	5.1	7	153	1.5	0.22	2.01	0.24	48.5	15.7	22.4	1.28	17.83	3.21	2.7	0.05	0.13	50	0.05	0.16	29.4	11.9	0.26	465	1.96	0.001	0.37	45.5	0.064	16.99	5	1	11.9	0.5	0.05	0.32	
121522	SD	2011-06-27	UTM83-8	7128367	596139	1711	WH11000454	70	0.76	7.6	0.1	2	38.2	0.6	0.29	0.03	0.08	17.4	6.5	14.3	1.85	18.27	1.95	2.8	0.05	0.04	244	0.01	0.06	7.3	8.3	0.11	92	0.95	0.0005	0.24	18.7	0.063	11.47	5	1	9.6	0.5	0.05	0.53	
121523	SD	2011-06-27	UTM83-8	7128466	596152	1684	WH11000454	54	1.2	8	1.4	3	311.8	1	0.45	0.67	0.04	7.9	20.8	31.9	2.01	40.47	3.75	3.9	0.05	0.05	22																			

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
120618	4.2	0.4	0.6	18.1	0.025	0.06	1	0.025	0.17	1.9	73	0.1	19.4		85.8	1.4
120619	3.7	0.4	0.6	33.1	0.025	0.04	0.9	0.014	0.13	1.1	53	0.05	15.33		64.1	1.5
120620	2.4	0.4	0.7	12.8	0.025	0.06	1.1	0.012	0.21	1.5	52	0.2	9.23		128.7	0.6
120621	1.9	0.2	0.6	62.9	0.025	0.04	0.8	0.012	0.11	1.3	30	0.1	9.75		38.1	0.8
120622	5.4	0.2	0.9	55.7	0.025	0.07	1.8	0.004	0.11	0.8	30	0.05	14.07		79.5	1.7
120623	0.9	0.5	1.6	8.8	0.025	0.05	0.4	0.013	0.1	0.6	37	0.1	2.44		54.6	0.3
120624	1.5	0.8	0.9	18.9	0.025	0.05	1.6	0.004	0.07	0.7	15	0.05	2.77		54.6	0.7
120625	1.2	0.5	0.9	13.7	0.025	0.04	0.9	0.005	0.08	0.8	21	0.05	2.6		60.4	0.6
120626	1.4	0.6	0.8	15.8	0.025	0.12	0.9	0.005	0.14	0.8	27	0.05	3.4		74.7	0.7
120627	1.1	0.4	0.8	17.6	0.025	0.07	0.9	0.002	0.09	0.7	13	0.05	2.25		39	1.2
120628	3.6	0.5	0.7	318.6	0.025	0.06	1.9	0.002	0.25	0.9	26	0.05	11.27		85.6	3.2
120629	0.8	0.5	0.6	9.7	0.025	0.03	0.4	0.005	0.07	0.6	18	0.05	2.47		48.9	0.3
120630	6.3	0.5	0.7	227.1	0.025	0.01	5.4	0.002	0.2	2.4	15	0.05	67.38		524.9	6.3
120631	1.6	0.2	0.7	9.6	0.025	0.01	1	0.003	0.09	0.5	18	0.05	9.23		54.2	1.3
120632	1.7	0.3	0.6	8.8	0.025	0.03	1.1	0.005	0.09	0.6	22	0.05	9.52		63.2	0.9
121513	2.7	0.3	0.7	50.9	0.025	0.07	0.9	0.011	0.13	0.7	44	0.1	11.07		54	1
121514	5.1	0.2	0.3	94.8	0.025	0.06	0.3	0.002	0.35	1.1	24	0.05	7.42		51.4	0.7
121515	0.3	0.05	0.5	49	0.025	0.01	0.1	0.002	0.04	3.2	24	0.05	1.9		19.9	0.7
121516	13.2	0.6	1.1	12.7	0.025	0.07	3.6	0.003	0.23	0.8	38	0.05	33.48		40.2	2.8
121517	4.9	0.05	0.7	300.6	0.025	0.04	5.3	0.003	0.1	0.9	9	0.05	9.05		40.2	11.3
121518	3.1	0.05	0.5	827.9	0.025	0.06	2.6	0.001	0.07	0.4	6	0.05	6.68		35.5	4.9
121519	3.4	0.05	0.3	857.2	0.025	0.1	2.9	0.001	0.04	0.4	6	0.05	7.27		32.9	7.9
121520	3	0.3	0.6	729.5	0.025	0.07	2.7	0.001	0.06	0.5	6	0.05	8.88		32.4	6.2
121521	4.7	0.6	0.9	63.2	0.025	0.02	2.3	0.002	0.27	0.8	37	0.05	19.02		66.7	7.2
121522	1	0.4	0.8	6.5	0.025	0.03	1.4	0.005	0.03	0.9	21	0.05	4.2		78.2	2.1
121523	3	0.1	1.4	10.7	0.025	0.03	7.1	0.005	0.09	0.8	17	0.2	7.67		79.3	1.7
121524	4.2	0.3	1.1	9.5	0.025	0.03	3.1	0.004	0.13	1	25	0.05	7.74		88.4	2
121525	3.8	0.05	0.9	22	0.025	0.11	3	0.0005	0.27	0.2	6	0.05	3.39		34.4	2.3
121526	1.1	0.4	0.4	65.8	0.025	0.02	1.1	0.008	0.3	0.9	9	0.05	4.67		1853.1	1.1
121527	0.8	1.4	0.4	45.3	0.025	0.03	0.8	0.001	5.07	2.5	4	0.05	5.17		10000	1.1
121528	5.4	0.8	1.2	53.3	0.025	0.09	6	0.002	0.21	1.7	15	0.05	14.48		148.1	3.5
121529	1.2	0.3	0.6	113.7	0.025	0.01	0.9	0.003	0.1	0.8	6	0.05	3.79		32.1	1
121530	0.7	0.3	0.4	26.3	0.025	0.04	0.4	0.003	0.08	0.3	8	0.05	5.71		35.3	0.7
121531	1.1	0.2	0.3	23.9	0.025	0.01	0.5	0.009	0.06	0.4	17	0.05	7		48.8	0.5
121532	0.7	0.2	0.5	32	0.025	0.01	0.3	0.006	0.03	0.3	10	0.05	4.32		23.9	0.4
121533	1.3	0.3	0.6	77.5	0.025	0.01	1.1	0.001	0.12	0.3	4	0.05	3.34		24.5	0.7
121534	0.6	0.2	0.2	34.7	0.025	0.01	0.4	0.002	0.09	0.3	6	0.05	2.99		26.5	0.6
121535	4.4	0.4	0.6	512.9	0.025	0.03	2.6	0.002	0.18	0.5	12	0.05	9.51		58.8	2.9
121536	1.5	0.5	1.4	31.1	0.025	0.03	0.8	0.012	0.09	0.7	29	0.1	9.14		68.5	0.7
121537	1.6	0.4	0.3	80.5	0.025	0.03	0.8	0.005	0.14	0.4	12	0.05	5.71		23.1	0.8
121538	3.3	0.4	0.5	185.5	0.025	0.03	1.6	0.023	0.17	0.6	26	0.05	7.92		47.8	2
121539	2.7	0.5	0.6	81.7	0.025	0.05	1.1	0.01	0.14	0.6	18	0.05	7.08		36.1	1.1
121540	5.9	4.8	1.6	153.9	0.025	0.21	4.2	0.003	0.17	2.1	43	0.05	13.7		216.3	6.6
121541	4.9	1.1	0.9	106	0.025	0.06	2.2	0.019	0.14	0.8	38	0.05	10.91		99	4.1
121542	1.6	0.4	0.5	64.6	0.025	0.03	0.9	0.003	0.08	0.4	12	0.05	7.05		52.5	2.1
121543	3.5	0.3	0.8	11.1	0.025	0.06	6	0.01	0.07	0.8	25	0.2	9.12		82.8	3.4
121544	3.7	0.4	0.9	58	0.025	0.03	2.7	0.011	0.11	0.6	21	0.05	6.66		68.4	2.6
121545	4.6	0.6	0.5	30.2	0.025	0.03	2.3	0.007	0.1	0.6	28	0.05	8.67		98.6	2.5
121546	3.2	0.7	1.4	73.3	0.025	0.06	1.7	0.007	0.12	0.6	20	0.05	7.91		64.6	2.5
121547	2.3	0.5	1.8	85.1	0.025	0.02	1.5	0.007	0.09	0.5	16	0.05	5.59		43.1	1.5
121548	3	0.5	0.6	66.1	0.025	0.04	1.6	0.008	0.13	0.6	23	0.05	7.21		46.7	1.9
121549	3.3	0.6	2.1	50	0.025	0.04	1.2	0.004	0.08	0.8	18	0.05	9.41		65.1	1.8
121550	2.7	0.5	1.9	41	0.025	0.03	1.1	0.003	0.09	0.9	15	0.05	9.79		47.6	1.7
121801	3.4	1	0.9	30.2	0.025	0.02	1.3	0.006	0.48	12.2	87	0.1	10.46		96.7	1.2
121802	1.1	0.4	1.1	90.6	0.025	0.08	0.6	0.007	1.07	17.1	88	0.05	9.8		69.6	1.1
121803	1.5	0.6	1.1	80.1	0.025	0.07	0.8	0.002	1.08	8	61	0.05	7.57		81.4	1.3
121804	1.9	0.4	0.8	151	0.025	0.01	1.1	0.001	0.85	5	58	0.05	6.62		46.6	1.3
121805	2	0.2	0.8	126.7	0.025	0.04	0.9	0.002	0.68	9.5	48	0.05	10.89		55.5	1.3
121806	0.7	0.4	0.5	68.3	0.025	0.01	0.3	0.006	0.37	1.5	15	0.05	5.69		106.2	0.4
121807	0.5	0.6	0.6	58.3	0.025	0.01	0.1	0.001	39.32	5.6	1	0.05	4.77		7889.5	0.05
121808	0.6	0.3	0.4	122.4	0.025	0.01	0.4	0.003	5.36	5.1	4	0.05	5.46		770.7	0.4
121809	2	0.5	0.6	73.3	0.025	0.04	0.9	0.001	0.61	2.2	27	0.05	8.63		166.2	1.5
121810	1.9	0.2	0.7	62.2	0.025	0.03	1.2	0.0005	0.34	0.9	15	0.05	6.34		40.3	1
121811	0.2	0.3	0.9	33.6	0.025	0.01	0.05	0.0005	8.99	1.8	1	0.05	1.4		1263.9	0.2
121812	0.8	0.5	0.9	86.6	0.025	0.03	0.2	0.003	0.41	1.6	21	0.05	7.12		108.9	0.9
121813	1	0.5	0.7	63.6	0.025	0.04	0.4	0.004	0.96	1.5	27	0.05	10.4		195.4	1
121814	0.5	0.5	1	56.9	0.025	0.05	0.1	0.003	0.21	3	30	0.05	7.96		86	0.4
121815	0.5	0.4	1.8	62.3	0.025	0.15	0.2	0.002	0.26	2.8	33	0.05	8.6		23.2	0.5
121816	1.1	0.4	0.5	50.6	0.025	0.06	0.4	0.006	0.54	2.1	45	0.05	12.51		131.9	0.6
121817	1.7	0.4	1.1	155.2	0.025	0.09	2.8	0.004	0.45	5.5	67	0.05	9.09		99.5	2.8
121818	1.1	0.2	0.5	116.2	0.025	0.09	0.8	0.004	0.22	3.8	40	0.05	6.6		44.1	1
121819	1	0.6	0.7	28	0.025	0.03	0.4	0.006	0.35	1.1	46	0.05	14.02		117.8	0.8
121820	1.7	0.5	0.5	27.7	0.025	0.02	0.9	0.006	0.17	1.1	42	0.05	11.27		84.9	0.9
121821	3.1	0.4	0.7	23.4	0.025	0.01	2.2	0.005	0.26	1	43	0.05	10.99		103.9	1.4
121822	0.7	0.4	0.3	61.7	0.025	0.01	0.4	0.003	0.42	0.8	10	0.05	5.49		27.6	0.9
121823	1.9	0.3	0.7	51.6	0.025	0.06	1.2	0.012	0.31	1.5	34	0.1	7.39		150.5	0.8
121824	1.5	0.6	0.8	55.6	0.025	0.03	0.6	0.007	0.41	1.5	41	0.05	10.68		104.3	1
121825	1.4	0.4	0.7	58.5	0.025	0.03	0.6	0.005	0.39	3.7	32	0.05	8.63		60.5	1
121826	0.3	0.3	0.4	18.8	0.025	0.04	0.3	0.0005	0.05	0.6	6	0.05	2.68		4.4	0.7
121827	2.3	0.6	1.2	41	0.025	0.14	5.1	0.004	0.97	1.5	169	0.05	11.14		245.2	4.3
121828	2.4	0.6	1.1	56.7	0.025	0.11	9.6	0.005	1.08	4.6	184	0.05	12.57		361.7	8.2
121829	3.1	1.4	1.9	112	0.025	0.15	2.9	0.009	0.56	9	153	0.				

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)	
121839	LB	2011-06-28	UTM83-8	7126751	594323	1788	WH11000454	43	0.44	60.6	0.5	4	83.8	0.4	0.18	17.1	0.65	21.7	7.8	9.7	1.07	21.76	1.45	1.3	0.05	0.06	16	0.01	0.08	8.9	4.3	5.19	375	3.68	0.009	0.16	66.3	0.151			13.36	5	1	3.9	2	0.01	1.19
121840	LB	2011-06-28	UTM83-8	7126669	594352	1800	WH11000454	34	0.35	10	0.8	4	44.3	0.3	0.08	18.92	0.28	12.4	3.6	6.7	0.51	9.65	0.71	0.7	0.05	0.04	8	0.01	0.05	6.8	2.2	8.36	241	2.13	0.01	0.07	13.9	0.062			6.35	5	1	2.9	5	0.01	0.45
121841	LB	2011-06-28	UTM83-8	7126509	594386	1766	WH11000454	24	0.18	11	0.5	4	39.7	0.2	0.09	19.61	0.16	9.5	3.9	6.2	1.39	10.31	0.81	0.5	0.05	0.01	2.5	0.01	0.06	4.8	2.3	8.38	125	4.2	0.012	0.05	13.8	0.047			6.62	5	1	3.2	2	0.01	0.55
121842	LB	2011-06-28	UTM83-8	7126349	594352	1757	WH11000454	30	0.27	4	0.4	2	30.8	0.3	0.05	18.52	0.45	8.8	2.7	4.9	0.3	5.76	0.54	0.6	0.05	0.01	8	0.01	0.03	6.5	2.4	9.06	192	0.62	0.008	0.06	10.4	0.032			5.73	5	1	2	0.5	0.01	0.26
121843	LB	2011-06-28	UTM83-8	7126278	594477	1763	WH11000454	50	0.39	9	0.1	6	65	0.2	0.14	17.26	0.22	13.3	4.2	9.1	0.5	9.54	0.99	0.9	0.05	0.05	5	0.01	0.07	6.6	3	7.48	147	3.63	0.011	0.1	15	0.056			8.49	5	1	3.8	0.5	0.01	0.57
121844	LB	2011-06-28	UTM83-8	7126214	594581	1765	WH11000454	59	0.8	8.6	0.7	9	105.9	0.6	0.18	14.4	0.27	26.1	6	15.8	0.47	12.23	1.62	1.6	0.05	0.04	2.5	0.01	0.12	12.8	5.8	5.03	222	1.57	0.013	0.14	21.5	0.09			10.27	5	1	6.7	2	0.01	0.46
121845	LB	2011-06-28	UTM83-8	7126159	594697	1766	WH11000454	14	0.18	5.8	0.4	2	42.8	0.2	0.07	23.15	0.22	8.7	3	4.8	0.29	5.98	0.77	0.4	0.05	0.03	13	0.01	0.05	4.5	1.4	7.83	117	1.7	0.009	0.05	12.8	0.037			5.35	5	1	2.1	1	0.01	0.38
121846	LB	2011-06-29	UTM83-8	7127492	594380	1557	WH11000454	28	0.43	40.1	0.5	0.5	82.5	0.7	0.14	25.55	1.06	20.7	7	6.5	12.3	10.07	1.24	1.5	0.05	0.13	49	0.01	0.06	8.3	3.5	3.28	350	1.77	0.005	0.05	53.5	0.062			12.99	11	1	3.5	2	0.01	0.71
121847	LB	2011-06-29	UTM83-8	7127442	594389	1574	WH11000454	23	0.42	39.4	0.1	2	81.7	0.4	0.13	25.72	0.99	21	6.7	5.6	1.24	12.4	1.21	1.4	0.05	0.09	27	0.01	0.06	8.8	3.1	3.62	350	1.72	0.005	0.07	52.2	0.063			11.38	5	1	3.3	0.5	0.01	0.7
121848	LB	2011-06-29	UTM83-8	7127417	594316	1545	WH11000454	29	0.76	98.4	0.5	2	102.4	0.9	0.19	23.23	1.32	30.2	8.2	8.5	2.88	20.42	1.65	1.8	0.05	0.09	42	0.01	0.1	12.5	4.8	2.46	476	3.08	0.004	0.06	98.3	0.131			14.74	5	1	5.7	1	0.01	1.16
121849	LB	2011-06-29	UTM83-8	7127446	594263	1556	WH11000454	15	0.4	73.8	0.1	2	53.4	0.4	0.12	24.08	0.76	19.5	5.7	5.7	2	14	1.15	1.1	0.05	0.09	22	0.01	0.07	8.5	3	5.09	307	2.2	0.005	0.05	71.2	0.066			10.06	5	2	3.5	2	0.01	0.84
121850	LB	2011-06-29	UTM83-8	7127460	594254	1564	WH11000454	28	0.43	52.5	0.1	1	79.6	0.5	0.14	27.9	0.93	22.5	7.5	7.1	1.99	16.09	1.31	1.5	0.05	0.15	29	0.01	0.08	9.5	3.9	2.12	366	2	0.004	0.06	69.1	0.06			11.7	13	1	3.9	3	0.01	0.84
121857	SP	2011-06-27	UTM83-8	7127507	588557	1333	WH11000454	160	1.52	13.8	0.8	2	135.8	0.7	0.28	3.25	0.43	23.2	8.5	23.6	1.17	12.42	2.68	4	0.05	0.04	58	0.02	0.06	12.4	12.8	1.9	1573	1.14	0.004	0.32	19.3	0.153			29.26	5	1	7.6	0.5	0.07	0.62
121858	SP	2011-06-27	UTM83-8	7127527	588444	1329	WH11000454	403	0.83	8.6	1.3	3	134.8	1.1	0.48	0.41	0.46	24.9	15.7	18.4	2.35	40.13	6.74	2.4	0.05	0.06	91	0.04	0.15	7.7	7.8	0.18	1192	1.87	0.006	0.12	40.9	0.086			63.65	5	1	9.3	0.5	0.22	0.46
121859	SP	2011-06-27	UTM83-8	7127565	588343	1323	WH11000454	227	1.84	10.5	1.5	4	104.9	0.9	0.24	1.33	0.62	46.3	8.5	35.6	2.21	23.23	2.58	5.5	0.05	0.04	95	0.03	0.1	23.4	44.3	1.6	360	0.9	0.003	0.57	24.6	0.083			17.67	5	1	13.4	2	0.07	0.59
121860	SP	2011-06-27	UTM83-8	7127644	588264	1320	WH11000454	253	1.38	11	3.9	5	122	0.7	0.25	1.04	0.43	34.5	11.8	39	9.28	30.9	2.95	4.2	0.05	0.06	120	0.03	0.12	19.4	24	1.04	349	0.95	0.003	0.45	30.6	0.059			30.17	5	1	16	2	0.03	0.61
121861	SP	2011-06-27	UTM83-8	7127679	588170	1324	WH11000454	200	1.18	9.5	1.8	5	235.6	1	0.24	2.64	0.49	19.6	8.4	19.9	1.69	25.02	2.28	3	0.05	0.04	79	0.03	0.1	10.6	13.4	1.23	617	0.78	0.005	0.41	21	0.099			32.61	10	1	9.2	0.5	0.09	0.62
121862	SP	2011-06-27	UTM83-8	7127707	588074	1325	WH11000454	206	1.11	11.8	0.8	3	123.4	0.6	0.21	7.79	1.14	22	8.4	18.3	1.04	20.91	2.39	2.7	0.05	0.03	364	0.03	0.09	10.6	12.7	4.14	1189	1.04	0.006	0.24	19.6	0.106			55.52	23	1	6.4	0.5	0.03	0.77
121863	SP	2011-06-27	UTM83-8	7127677	587974	1322	WH11000454	134	1.49	12.7	1.1	2	227.7	0.9	0.28	1.16	0.36	26.9	9.1	24	1.07	18.75	2.95	4.1	0.05	0.05	77	0.05	0.07	12.8	17	0.54	596	0.9	0.003	0.48	21.2	0.095			32.49	5	1	8.7	0.5	0.08	0.77
121864	SP	2011-06-27	UTM83-8	7127609	587891	1326	WH11000454	71	1.35	12.5	1.7	1	226	0.8	0.27	0.82	0.23	25.5	8.2	25.1	1.26	18.52	2.68	4	0.05	0.05	19	0.01	0.07	11.3	17	0.56	367	0.97	0.002	0.37	21.6	0.069			22.09	5	1	9.5	0.5	0.05	0.58
121865	SP	2011-06-27	UTM83-8	7127537	587820	1318	WH11000454	120	0.49	13.8	0.6	3	65.2	0.5	0.2	7.98	0.33	19	9.9	14.4	1.71	22.96	2.21	1.6	0.05	0.04	39	0.01	0.09	8.5	9	3.36	435	1.15	0.007	0.11	19.6	0.062			24.99	5	1	6	1	0.01	0.67
121866	SP	2011-06-27	UTM83-8	7127507	587720	1312	WH11000454	146	1.44	25.8	2.2	7	137.2	0.5	0.32	1.42	0.54	31.7	11.6	26.9	3.86	24.01	2.98	3.8	0.05	0.06	55	0.04	0.08	15.2	14.3	0.58	542	1.9	0.007	0.53	30.7	0.112			20.88	5	1	11.4	0.5	0.05	0.91
121867	SP	2011-06-27	UTM83-8	7127490	587616	1308	WH11000454	134	1.23	20.1	1.7	2	104.8	0.9	0.29	1.37	0.38	22.9	10.3	21.4	1.26	24.05	2.72	3.5	0.05	0.03	56	0.04	0.07	11.1	14.3	0.48	397	1.26	0.006	0.46	25.2	0.069			20.79	5	1	7.1	0.5	0.08	0.68
121868	SP	2011-06-27	UTM83-8	7127444	587511	1310	WH11000454	134	1.38	29.5	1.5	4	131.6	1.3	0.29	1.01	0.38	33.2	9.8	26.7	4.27	22.9	3.02	4	0.05	0.07	64	0.03	0.09	16.3	11.5	0.42	377	3.31	0.007	0.52	34	0.115			18.39	5	1	11.4	0.5	0.06	0.99
121869	SP	2011-06-27	UTM83-8	7127422	587404	1312	WH11000454	161	1.34	41.9	2.2	8	150.8	1.1	0.31	1.56	0.46	34.8	10	24.7	4.82	24.7	3.03	4.2	0.05	0.09	75	0.04	0.09	19	13.1	0.41	437	3.7	0.007	0.65	41.8	0.206			21.98	17	2	9.9	0.5	0.06	1.24
121870	SP	2011-06-2																																													

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
121839	1.3	0.3	0.5	104.8	0.025	0.09	1	0.004	0.93	13.2	42	0.05	8.71		171.2	2.1
121840	0.7	0.3	0.2	123.1	0.025	0.08	0.6	0.003	0.24	4.4	18	0.05	5.78		40.3	1.3
121841	1	0.2	0.3	119	0.025	0.06	1.1	0.003	0.43	4.4	15	0.05	4.79		23.2	1.1
121842	0.5	0.2	0.3	47.9	0.025	0.07	0.3	0.002	0.11	0.6	10	0.05	5.89		42.2	0.9
121843	1	0.2	0.5	114.7	0.025	0.05	0.9	0.003	0.23	4.3	16	0.05	6.37		37.7	1.6
121844	1.8	0.5	0.5	97.1	0.025	0.05	1.3	0.005	0.23	1.8	20	0.05	10.77		61	1.4
121845	0.9	0.05	0.3	98.5	0.025	0.08	0.8	0.002	0.25	2.8	10	0.05	5.89		30.7	0.7
121846	1.8	0.2	1.8	84.3	0.025	0.06	3.1	0.004	0.75	4.3	28	0.05	11.87		127.7	7.6
121847	1.8	0.3	1	82	0.025	0.12	2.9	0.005	0.75	4.1	29	0.05	11.74		129.8	7.3
121848	2.3	0.3	0.9	71.9	0.025	0.12	4.4	0.005	1.3	8.8	46	0.05	15.46		261.7	7.9
121849	1.6	0.4	1.1	63.9	0.025	0.12	2.8	0.004	0.79	4.7	33	0.05	9.29		172.9	7.7
121850	2.2	0.05	0.7	81.8	0.025	0.06	3.3	0.005	0.84	4.1	34	0.05	11.58		180.2	9.2
121857	1.8	0.4	0.9	32.2	0.025	0.08	1.1	0.009	0.22	2.3	38	0.1	10.95		128.2	1
121858	5.3	0.9	0.6	36.9	0.025	0.09	5.6	0.003	0.64	2.1	23	0.05	16.28		170.3	2.2
121859	2.7	1	0.7	59.4	0.025	0.03	1.4	0.013	0.18	9	44	0.05	11.97		125.1	1.8
121860	6	1.3	0.8	74.7	0.025	0.04	3.5	0.011	0.26	1.9	37	0.05	15.21		132.6	2.9
121861	2.3	0.7	0.5	40.2	0.025	0.01	1.1	0.005	0.19	2.1	23	0.05	11.36		133.1	1.7
121862	2.5	0.4	0.7	47.7	0.025	0.05	1.4	0.005	0.18	1.8	23	0.05	10.63		322.6	1.2
121863	3.7	0.5	0.7	36	0.025	0.08	1.7	0.005	0.14	3.3	31	0.05	12.15		123.5	1.7
121864	3.1	0.1	0.6	31.3	0.025	0.01	1.7	0.006	0.16	1.8	30	0.05	9.24		83.8	1.5
121865	3.4	0.4	0.7	99.1	0.025	0.05	3.2	0.003	0.17	1.1	18	0.05	9.71		92.2	1.7
121866	2.7	0.7	0.6	104.5	0.025	0.04	1.5	0.008	0.3	2	60	0.1	12.69		126.7	1.9
121867	2.8	0.6	0.5	34.5	0.025	0.02	1.4	0.005	0.19	2	37	0.05	10.67		105.8	1.7
121868	2.7	0.7	0.6	130.6	0.025	0.05	2	0.007	0.32	2.2	76	0.1	12.16		118.2	2.1
121869	2.9	0.6	0.6	200	0.025	0.07	1.9	0.008	0.32	4.2	93	0.05	14.98		148.4	2.9
121870	2.8	0.5	0.6	154	0.025	0.05	2.3	0.008	0.44	1.2	43	0.05	10.85		92.5	1.5
121871	2.3	0.4	0.5	153.2	0.025	0.01	1.5	0.007	0.37	2.3	46	0.05	11.73		105.1	1.4
121872	2.5	0.7	0.5	67.5	0.025	0.05	1.3	0.009	0.21	3	50	0.05	10.34		92.2	1.4
121873	2.7	0.4	0.5	82.3	0.025	0.08	1.6	0.011	0.15	1.1	44	0.1	10.51		72	0.9
121874	2.8	0.5	0.6	142.3	0.025	0.03	1.9	0.008	0.21	1.1	51	0.05	11.62		96.6	2.2
121875	2	0.6	0.7	228.2	0.025	0.04	1.1	0.008	0.36	1.1	43	0.1	9.72		90.8	1.2
121876	2.5	0.6	0.6	238.6	0.025	0.04	1.5	0.011	0.34	1.2	52	0.1	10.71		105.1	1.8
121877	3.1	0.3	0.9	267.8	0.025	0.03	2	0.01	0.35	1.1	56	0.05	12.26		106.1	1.9
121878	2.1	0.4	0.7	523.4	0.025	0.09	1.5	0.009	0.61	1.5	62	0.05	12.03		118.9	2.5
121879	2.3	0.8	0.5	240.5	0.025	0.06	1	0.009	0.35	1.6	57	0.1	11.5		127.2	1.5
121880	2.4	0.6	0.5	149.7	0.025	0.04	1.3	0.007	0.86	1.4	46	0.05	11.3		129.8	1.7
121881	3.2	0.6	0.7	83	0.025	0.03	1.7	0.005	1.83	3.4	39	0.05	10		134.1	2.4
121882	2.9	0.5	0.4	58	0.025	0.01	1.6	0.009	0.87	1.6	34	0.05	8.86		110.6	1.4
121883	4.1	0.5	0.8	15.5	0.025	0.06	7.1	0.004	0.21	2.1	42	0.05	7.35		134	3.6
121884	1.4	0.2	0.6	163.1	0.025	0.01	0.7	0.006	0.39	1.9	43	0.05	7.46		119.9	1.8
121920	2.1	0.5	0.8	23.6	0.025	0.04	0.9	0.016	0.26	5.1	84	0.2	5.84		82	0.7
121921	1.3	0.6	0.3	43.1	0.025	0.02	0.5	0.008	0.26	6.7	47	0.05	4.86		33.7	0.6
121922	1.9	0.7	0.4	72.2	0.025	0.01	0.9	0.0005	0.37	2.6	27	0.05	4.87		53.5	1.9
121923	1.8	0.3	0.8	18.4	0.025	0.06	0.7	0.014	0.2	1.5	60	0.2	3.26		59	0.6
121924	1.2	0.2	0.9	11.2	0.025	0.08	0.3	0.014	0.24	0.9	71	0.2	2.52		53.4	0.05
121925	1	0.2	0.8	12.8	0.025	0.08	0.2	0.014	0.21	2.7	67	0.2	3.79		61.7	0.05
121926	2.2	0.8	0.7	61.2	0.025	0.06	0.8	0.016	0.26	12.7	70	0.2	10.45		56.1	0.6
121927	3.3	0.4	0.6	15.7	0.025	0.08	1.4	0.019	0.18	2.4	60	0.2	10.83		63.6	0.4
121928	3.5	0.2	0.7	17.3	0.025	0.04	2.2	0.025	0.16	1	43	0.2	9.87		77.4	0.3
121929	5.4	0.3	0.5	11.3	0.025	0.1	4.1	0.012	0.12	1.6	32	0.2	14.54		76.5	1.6
121930	2.3	0.3	0.6	34.1	0.025	0.08	1	0.01	0.12	4.2	38	0.2	10.57		61.7	0.9
121931	2.1	0.2	0.9	11.5	0.025	0.04	2.1	0.01	0.19	0.5	47	0.2	2.56		50.1	0.4
121932	1.3	0.4	0.7	6.4	0.025	0.06	1.3	0.031	0.13	0.5	55	0.2	2.07		44.5	0.3
121933	3.2	0.2	0.9	5.5	0.025	0.05	3.8	0.006	0.13	0.7	30	0.1	4.07		68	1.1
121934	2.9	0.3	1.1	6.8	0.025	0.04	4.1	0.012	0.17	0.6	43	0.2	3.35		54.5	1.3
121935	2.7	0.2	1	9.5	0.025	0.06	2.3	0.014	0.18	0.6	51	0.2	3.07		56	0.3
121936	1.4	0.1	1.3	5.4	0.025	0.04	3.6	0.022	0.15	0.6	53	0.2	2.33		33.9	0.3
121937	2.3	0.2	1.1	5.5	0.025	0.12	3.2	0.017	0.12	0.6	52	0.2	2.87		60.7	0.3
121938	1.6	0.3	1.2	6.9	0.025	0.09	1.9	0.034	0.15	0.6	65	0.2	2.2		39.2	0.3
121939	3.2	0.3	0.7	100.8	0.025	0.05	3.4	0.005	0.99	4.8	41	0.05	17.02		346.2	4.8
121940	3.8	0.5	1.3	106.8	0.025	0.12	3.2	0.006	1.35	6.7	57	0.05	24.69		524.8	6.4
121941	3.1	0.2	0.6	106.7	0.025	0.07	2.3	0.004	0.93	5.2	42	0.05	17.03		328.7	3.8
121942	1.5	0.2	0.6	105.5	0.025	0.03	1.4	0.002	0.48	2.8	11	0.05	6.41		55.4	1.7
121943	1.2	0.4	0.4	61.2	0.025	0.06	1.3	0.002	0.48	1.2	9	0.05	8.38		36.9	1.1
121944	1.9	0.3	0.8	53	0.025	0.1	3.6	0.002	1.55	1.1	10	0.05	10.18		50.7	1.8
121945	0.9	0.2	0.3	54.8	0.025	0.04	0.4	0.004	0.23	0.8	9	0.05	6.54		61.7	0.9
121946	1.7	0.3	0.8	12.7	0.025	0.04	1.9	0.002	0.48	0.4	11	0.05	14.24		46.5	2.1
121947	0.8	0.3	0.1	54.1	0.025	0.01	0.3	0.003	0.15	1	6	0.05	6.03		29.5	0.5
121948	2.5	0.2	0.8	52.3	0.025	0.02	1.8	0.002	0.29	0.4	6	0.05	11.38		47.8	1.4
121949	2.7	0.3	1	40.2	0.025	0.05	2.6	0.003	0.34	0.4	8	0.05	13.97		59.9	2
121950	1.6	0.5	0.6	43.2	0.025	0.04	0.9	0.004	0.21	0.5	10	0.05	11.37		44.6	1
613887	3.6	0.4		22.8		0.05	5.4	0.001	0.23	0.8	10	0.05			452.4	
613888	2	0.3		23.6		0.01	1.1	0.01	0.2	1	28				491.2	
613889	1	0.8		29.4		0.01	0.8	0.0005	15.7	2.5	1	0.05		1.47	10000	
613890	0.6	0.4		29.9		0.01	0.4	0.0005	8.19	1.5	1	0.05			1422	
613891	2.1	0.5		67.4		0.05	0.9	0.012	0.29	1.7	59	0.2			141.2	
613892	2.8	0.4		339.9		0.06	1.5	0.014	0.54	1.6	59	0.1			112.7	
613893	2	0.5		167.2		0.03	0.9	0.011	0.35	1.3	40	0.1			79.6	
613894	1.8	0.2		147.6		0.01	0.9	0.005	0.33	0.9	28	0.05			41	
613895	1.6	0.5		125.5		0.02	1.3	0.003	0.8	2.7	20	0.05			45.2	
613896	1.9	0.4		107.9		0.01	1.1	0.005	0.56	1	18	0.05			34.4	
613897	1.4	0.3		98.6		0.02	1.1	0.005	0.19	0.9	12	0.05			20	
613898	1.8	0.4		88.5		0.01	1	0.005	0.32	1	21	0.05			38.6	
613899	1.8</															

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
617048	SP	2011-08-27	UTM83-8	7129003	596600	1600	WH11001354	179	1.25	9.1	5.6	5	68.2	0.9	0.19	3.05	0.56	43.1	9.2	25.3	0.71	30.96	2.49	3.8	0.05	0.12	76	0.04	0.14	21.8	24.3	1.68	441	1.07	0.003	0.17	23.5	0.09	58.64	5	1	8.4	0.5	0.05	0.77	
617049	SP	2011-08-27	UTM83-8	7128903	596598	1526	WH11001354	246	0.87	8.2	2.1	5	75.3	1	0.24	1.36	0.5	26	5.6	14.9	0.79	18.37	2.32	2.4	0.05	0.12	84	0.03	0.09	15.5	8.1	0.3	222	0.86	0.002	0.23	15.5	0.162	26.85	5	1	9.3	1	0.1	0.39	
617050	SP	2011-08-27	UTM83-8	7128850	596602	1522	WH11001354	150	0.6	9.8	3.6	6	45.1	0.5	0.18	11.31	0.55	12.8	4.4	10.5	1.08	8.75	2.05	1.6	0.05	0.05	145	0.04	0.07	6.5	4.1	6	1441	1.43	0.008	0.14	10.1	0.107	1006.75	5	1	6.2	0.5	0.01	0.7	
617693	ALU	2011-08-24	UTM83-8	7127301	597098	1573	WH11001353	19	1.71	4.3	0.3	0.5	125.4	0.8	0.31	0.07	0.03	12.5	11.6	33.6	1.53	20.42	3.87	7.2	0.05	0.03	18	0.03	0.1	5.6	24.2	0.44	245	0.47	0.002	0.6	24.7	0.015	16.26	5	1	15.7	0.5	0.01	0.21	
617704	ALU	2011-08-27	UTM83-8	7127351	597099	1575	WH11001353	48	0.97	3.2	4.8	11	151.5	1.1	0.21	2.47	0.15	27.2	10.2	18.1	1.31	14.54	2.79	2.4	0.05	0.09	34	0.03	0.2	12.8	10.1	0.33	232	1.22	0.003	0.46	27.3	0.075	13.32	5	1	12.4	0.5	0.11	0.24	
617705	ALU	2011-08-27	UTM83-8	7127351	597099	1575	WH11001353	58	1.06	3.9	2.3	11	124.1	1.1	0.19	4.57	0.25	38.6	13.4	18.9	1.74	16.37	3.22	2.5	0.05	0.08	27	0.04	0.27	16.1	11	0.35	352	1.55	0.004	0.25	34.3	0.072	15.58	5	1	13.9	0.5	0.03	0.32	
617706	ALU	2011-08-27	UTM83-8	7127400	597099	1580	WH11001353	230	1.3	6.1	2	9	167.3	1.2	0.21	2.66	1.73	46.3	12.6	22.1	1.38	19.31	3.55	3.4	0.05	0.1	28	0.04	0.28	21.2	15.8	0.37	331	2.87	0.004	0.41	37.9	0.066	15.84	5	1	14.4	0.5	0.04	1.3	
617707	ALU	2011-08-27	UTM83-8	7127447	597098	1585	WH11001353	238	1.49	6	3.2	6	204.7	1.4	0.21	1.35	0.79	43.2	10.6	24.9	1.12	17.04	3.56	3.8	0.05	0.12	38	0.04	0.18	21.2	14.7	0.31	554	2.13	0.003	0.6	31.6	0.095	24.69	5	1	13.4	0.5	0.08	0.98	
617708	ALU	2011-08-27	UTM83-8	7127500	597100	1581	WH11001353	109	1.34	9	5.2	4	143.2	0.7	0.32	0.77	0.35	20.8	7.1	23.1	2.08	16.21	2.89	5.2	0.05	0.01	28	0.03	0.11	9	13.3	0.28	334	1.52	0.004	0.8	17.1	0.078	17.11	5	1	15.9	0.5	0.08	0.79	
617709	ALU	2011-08-27	UTM83-8	7127600	597100	1594	WH11001353	100	0.79	7.8	3.1	2	37.2	0.2	0.27	0.01	0.06	26.8	3.8	15.6	1.25	11.37	2.62	5.4	0.05	0.01	26	0.01	0.09	11.3	4.9	0.13	98	1.28	0.002	0.65	8.8	0.025	13.93	5	1	10.1	0.5	0.01	0.7	
617710	ALU	2011-08-27	UTM83-8	7127650	597101	1604	WH11001353	90	0.9	8.3	2	4	62.6	0.6	0.25	0.03	0.13	34.2	12.1	20.4	1.64	19.65	2.53	2.8	0.05	0.04	51	0.02	0.12	13	11.4	0.23	533	2.91	0.002	0.2	21.6	0.047	36.12	5	1	11.8	0.5	0.03	0.64	
617711	ALU	2011-08-27	UTM83-8	7127701	597099	1606	WH11001353	39	1.88	5.1	1.7	5	87.6	0.8	0.22	0.06	0.15	60.7	13.1	27.2	1.9	20.35	3.09	4.6	0.05	0.1	35	0.03	0.21	12.8	35.1	0.49	468	0.86	0.002	0.15	27.5	0.053	20.44	5	1	20.4	0.5	0.01	0.49	
617712	ALU	2011-08-27	UTM83-8	7127749	597097	1615	WH11001353	35	1.68	4	0.7	6	90.9	0.7	0.23	0.05	0.1	51	7.3	25.7	2.48	13.46	2.81	5.6	0.05	0.05	21	0.03	0.19	19	29.9	0.37	205	0.6	0.002	0.37	14.2	0.055	13.39	5	1	21	0.5	0.02	0.44	
617713	ALU	2011-08-27	UTM83-8	7127851	597104	1524	WH11001353	101	1.02	4.8	1.5	6	73.9	0.9	0.26	0.55	0.11	38.8	7.1	16.5	1.54	16.55	1.97	3	0.05	0.11	23	0.01	0.19	22.5	18	0.46	225	0.41	0.003	0.2	15.8	0.065	18.69	5	1	12.7	0.5	0.04	0.34	
617714	ALU	2011-08-27	UTM83-8	7127899	597101	1505	WH11001353	50	1.26	16.4	2.6	1	171.4	0.5	0.43	0.04	0.12	15.1	16.1	28	3.19	26.79	3.84	5.5	0.05	0.01	29	0.03	0.09	5.9	18.9	0.31	1822	1.43	0.004	0.42	17.6	0.075	27.91	5	1	12.1	0.5	0.05	0.67	
617715	ALU	2011-08-27	UTM83-8	7127949	597101	1494	WH11001353	38	1.85	17.5	2	2	94.1	1.1	0.5	0.04	0.14	21.4	15.6	35.3	4.35	38.62	4.06	6.9	0.05	0.01	44	0.03	0.09	9.3	32.1	0.42	1754	1.89	0.004	0.49	19.2	0.067	16.99	5	1	17	0.5	0.03	0.83	
617716	ALU	2011-08-27	UTM83-8	7128000	597099	1477	WH11001353	40	1.9	16.7	1.3	2	74	1.3	0.49	0.04	0.15	21.5	22	35.1	4.2	27.23	4.57	6.5	0.05	0.02	38	0.05	0.1	8.7	33.3	0.45	1871	1.53	0.005	0.37	22.6	0.072	28.74	5	1	15.2	0.5	0.03	0.81	
617717	ALU	2011-08-27	UTM83-8	7128051	597099	1467	WH11001353	35	1.96	9.7	2.4	1	118.9	1.4	0.5	0.03	0.11	16.9	28.2	36.3	4.5	30.13	5.07	7.2	0.05	0.03	20	0.04	0.14	6.5	33	0.44	2692	0.95	0.007	0.31	23.5	0.084	22.72	5	1	19	0.5	0.02	0.62	
617718	ALU	2011-08-27	UTM83-8	7128102	597098	1466	WH11001353	28	1.69	10.3	1.8	2	153	0.9	0.35	0.09	0.14	27.2	8.1	29.7	2.58	16.97	3.11	6.1	0.05	0.01	24	0.03	0.09	11	27.4	0.38	386	1.21	0.005	0.51	17.9	0.055	15.89	5	1	15.9	0.5	0.03	0.7	
617719	ALU	2011-08-27	UTM83-8	7128146	597098	1472	WH11001353	31	0.72	14.8	0.5	1	123.5	0.7	0.37	0.09	0.07	6.3	7.7	11.8	1.37	25.21	3.88	2.4	0.05	0.01	27	0.03	0.13	2.7	6.1	0.13	402	0.49	0.003	0.12	12.2	0.03	47.86	5	1	13	0.5	0.01	0.7	
617720	ALU	2011-08-27	UTM83-8	7128200	597095	1472	WH11001353	20	2	9.3	1	2	165.7	1.2	0.42	0.08	0.07	16.5	16.3	30.5	2.56	14.86	4.09	6.3	0.05	0.05	21	0.04	0.15	5.9	45.3	0.47	930	0.61	0.006	0.44	24.5	0.078	28.05	5	1	20.4	0.5	0.03	0.47	
617721	ALU	2011-08-27	UTM83-8	7128247	597098	1462	WH11001353	56	0.98	23.9	1.7	3	116.9	0.8	0.22	3.66	0.82	29.6	5.7	18.9	0.82	8.87	2.34	2.2	0.05	0.05	68	0.02	0.08	14.2	6.5	1.79	2363	2.65	0.005	0.18	10.1	0.254	79.86	5	1	6.9	0.5	0.08	0.38	
617722	ALU	2011-08-27	UTM83-8	7128299	597100	1444	WH11001353	125	1.69	25.2	2.4	7	120.7	0.9	0.28	3.56	0.84	34.8	9.7	27.5	2.23	16.26	3.02	4.3	0.05	0.09	109	0.03	0.2	20.5	13.1	1.28	1672	2.72	0.009	0.37	18.7	0.854	1052.32	5	1	15.3	0.5	0.08	0.66	
617723	ALU	2011-08-27	UTM83-8	7128395	597096	1401	WH11001353	86	1.04	13.3	1.2	3	95.5	0.8	0.17	6.47	2.38	15.7	7.1	14.6	0.63	12.67	4.28	2.5	0.05	0.04	66	0.01	0.07	8.6	9.4	4.09	2751	1.82	0.008	0.23	13.5	0.157	249.66	5	1	6.3	0.5	0.07	0.46	
617724	ALU	2011-08-27	UTM83-8	7128451	597097	1378	WH11001353	149	1.33	16.1	3.1	4	131.5	0.9	0.25	1.35	1.7	23.9	8.3	22.9	0.85	17.47	2.19	3.8	0.05	0.08	68	0.03	0.09	13.5	11.4	0.51	1792	1.95	0.005	0.48	17.6	0.162	176.85	5	1	9.6	0.5	0.13	0.49	
617725	ALU	2011-08-27	UTM83-8	7128500	597102	1368	WH11001353	174	1.34	18.7	2.1	3	145.9	0.9	0.25	3.26																														

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
617048	2.7	0.8	1.6	76	0.025	0.01	2.2	0.004	0.16	2.5	24	0.05	12.93		181	3.2
617049	2.7	0.6	0.7	51.1	0.025	0.03	2.3	0.003	0.16	2.9	22	0.05	10.76		150.3	3.8
617050	1.2	0.4	2	43.9	0.025	0.03	0.8	0.004	1.08	1.9	18	0.05	6.7		2478.4	0.9
617693	2.9	0.05	2.4	7.6	0.025	0.02	3.2	0.004	0.11	0.5	33	0.05	2.94		65.3	1.6
617704	2.7	0.4	0.6	148.9	0.025	0.01	1.4	0.0005	0.3	0.7	22	0.05	10.46		79.8	4.7
617705	4.4	0.3	0.7	244.5	0.025	0.01	3.6	0.001	0.25	0.6	20	0.05	11.07		90.6	5.6
617706	5.1	0.8	0.8	104.6	0.025	0.01	4	0.002	0.38	1	66	0.05	14.32		199.8	7.5
617707	3.1	0.7	0.8	63.9	0.025	0.03	2	0.001	0.27	1.1	59	0.05	13.58		137.1	5.4
617708	1.3	0.5	0.9	53.2	0.025	0.07	0.6	0.004	0.18	1	46	0.1	4.66		83	0.8
617709	1.1	0.3	0.8	4.4	0.025	0.01	3.3	0.013	0.12	0.4	43	0.05	1.97		44.6	1.6
617710	2.1	0.3	0.6	4.7	0.025	0.02	3.1	0.002	0.19	0.6	19	0.05	7.03		78.8	1.8
617711	2.8	0.2	0.8	5.2	0.025	0.01	4.4	0.002	0.17	0.8	29	0.05	4.83		79.4	3.2
617712	2	0.2	0.9	5.2	0.025	0.02	4	0.004	0.17	0.4	37	0.05	3.77		44.3	1.9
617713	3.3	0.3	1.6	15.5	0.025	0.01	3.4	0.002	0.11	0.6	15	0.05	15.92		65.8	4.1
617714	1.5	0.3	1.9	6.5	0.025	0.03	0.9	0.006	0.11	1.1	40	0.1	3.17		68.4	0.3
617715	2.7	0.5	1.2	8.6	0.025	0.06	1.9	0.009	0.15	1	49	0.1	4.67		79.2	0.5
617716	2.7	0.5	1.1	7.8	0.025	0.04	2	0.008	0.14	1	44	0.1	5.16		86.5	0.3
617717	3.9	0.3	1.2	7.3	0.025	0.05	2.9	0.006	0.14	1.1	40	0.1	6.41		86.6	1
617718	1.7	0.2	0.9	13.3	0.025	0.03	0.8	0.007	0.17	0.8	49	0.1	5.81		79.2	0.1
617719	2.7	0.05	0.8	6.8	0.025	0.02	2.3	0.0005	0.32	0.9	14	0.05	4.66		78.9	0.4
617720	2.7	0.2	1	7	0.025	0.04	3.3	0.002	0.24	0.7	35	0.1	4.24		72.6	1.4
617721	1.9	0.4	0.5	24.8	0.025	0.04	1.7	0.002	0.47	2.2	30	0.05	12.46		156.7	1.7
617722	2.8	0.5	0.6	34.6	0.025	0.04	2.5	0.007	1.11	3.6	43	0.1	22.27		383.1	2.5
617723	1.6	0.5	0.4	32.6	0.025	0.04	1.1	0.003	0.9	1.7	21	0.05	9.02		827.6	1.3
617724	2.2	0.7	0.6	16.8	0.025	0.04	1.4	0.004	1.07	4.2	29	0.1	12.53		989.7	1.9
617725	2.4	0.6	0.6	28.2	0.025	0.04	1.6	0.006	1.21	3.3	33	0.05	14.91		1080.3	1.9
617726	2.2	0.4	0.6	14.4	0.025	0.01	1.6	0.006	0.41	3.6	29	0.05	10.38		302	2.1
617727	3.4	0.3	0.7	13.5	0.025	0.01	3.3	0.002	0.79	0.9	27	0.05	10.36		432.7	2.7
617728	2	0.1	0.4	8.4	0.025	0.05	2	0.003	0.16	1	25	0.05	7.58		106.7	2
617729	1.8	0.3	0.8	66.6	0.025	0.05	1.9	0.001	0.13	0.8	13	0.05	8.68		91.7	1
617730	1	0.3	0.5	19.2	0.025	0.03	1.1	0.002	0.15	1	20	0.05	3.83		71.1	2
617731	4.3	0.2	0.5	118.6	0.025	0.01	4.2	0.003	0.07	1.6	16	0.05	12.57		97.6	4.4
617732	5.8	0.4	0.6	20	0.025	0.01	4.5	0.005	0.1	3	21	0.05	22.94		127.5	5.9
617733	3.6	0.2	0.6	43.6	0.025	0.02	2.9	0.003	0.07	1.7	18	0.05	15.37		98	4
617734	4	0.1	0.5	44	0.025	0.01	5.1	0.003	0.07	0.9	17	0.05	14.09		92.1	4.4
617735	3.6	0.1	0.4	41.4	0.025	0.01	4.8	0.004	0.07	3.4	22	0.05	11.41		98.5	7
617736	5.4	0.2	0.5	18.3	0.025	0.01	4.1	0.008	0.07	0.9	19	0.05	22.8		91.9	4
617737	5	0.2	0.3	25.1	0.025	0.02	3.6	0.005	0.09	1.2	23	0.05	20.2		111.7	4.7
617738	4.2	0.5	0.4	18.6	0.025	0.01	4	0.007	0.08	1.7	29	0.05	16.23		95.3	5
617739	3.4	0.4	0.5	14.1	0.025	0.03	4	0.003	0.49	2.6	27	0.05	12.77		554.1	1.6
617740	2	0.3	0.7	13.7	0.025	0.04	3.4	0.007	0.17	1.1	37	0.05	3.62		107	1.1
617741	3.1	0.3	0.7	16.3	0.025	0.01	3.3	0.006	0.2	2.8	36	0.05	10.61		176.2	1.6
617742	2.4	0.7	0.9	41.7	0.025	0.01	1.7	0.003	0.22	11.5	27	0.05	7.52		227.9	1.8
617743	1.8	0.4	0.6	18.1	0.025	0.02	1.1	0.01	0.16	2.4	42	0.05	8.89		139	0.5
617744	0.8	0.6	2.1	82.6	0.025	0.04	1.4	0.002	0.23	0.9	14	0.05	7.33		172.3	0.2
617745	2.6	0.4	2.5	52.8	0.025	0.02	5.3	0.003	0.13	1	13	0.05	10.38		171.5	2
617746	3	0.4	0.4	28.3	0.025	0.07	4.6	0.004	0.13	0.8	16	0.05	10.58		91.6	2.8
617747	3.9	0.5	0.5	30.1	0.025	0.01	4.6	0.002	0.16	1.3	19	0.05	18.8		269.5	3.7
617748	3.4	0.5	1.6	41.3	0.025	0.03	3.1	0.002	0.12	1	13	0.05	15.76		201	3.6
617749	3.4	0.6	0.4	50.7	0.025	0.02	3.8	0.002	0.15	1	11	0.05	13.35		243.6	4.7
617750	2.8	0.5	0.6	43.1	0.025	0.04	3.6	0.001	0.11	0.8	11	0.05	12.24		193.7	4.1
1096701	4.2	0.2	0.8	32.6	0.025	0.03	2.9	0.006	0.26	1.3	43	0.1	13.8		97.6	2.8
1096702	3.6	0.2	1.2	29.3	0.025	0.04	2.9	0.005	0.33	1.4	51	0.05	8.56		108.6	2.9
1096703	3.4	0.1	0.7	17.3	0.025	0.03	3.2	0.009	0.28	1.1	47	0.1	6.86		102.7	2.3
1096704	3.1	0.4	0.6	35.9	0.025	0.03	1.8	0.007	0.23	3.6	40	0.05	11.92		148.8	3.3
1096705	4.4	0.2	0.6	38.4	0.025	0.02	3.1	0.003	0.25	5.2	37	0.05	17.11		91.2	3.5
1096706	2.6	0.5	0.9	31.1	0.025	0.02	1.4	0.004	0.29	3.5	41	0.05	11.91		83.5	3.7
1096707	2.8	0.3	0.9	23.2	0.025	0.02	1.9	0.004	0.22	1.5	36	0.05	7.81		81.6	2.9
1096708	3.9	0.4	0.9	37	0.025	0.01	2.8	0.002	0.25	2.6	26	0.05	12.78		105.4	4.3
1096709	2.7	0.2	0.5	148.7	0.025	0.01	2.3	0.003	0.26	5	24	0.05	11.8		64.6	2.5
1096710	3.3	0.3	0.7	105.9	0.025	0.03	2.2	0.003	0.22	1.8	19	0.05	12.3		74.6	3.7
1096711	2.4	0.2	0.5	26.9	0.025	0.02	2	0.003	0.13	0.7	16	0.05	9.85		74.2	2.9
1096712	3.5	0.3	0.7	252.5	0.025	0.01	2.4	0.003	0.23	1.7	17	0.05	12.14		73.7	3.5
1096713	2.6	0.2	0.6	19.7	0.025	0.01	2.3	0.003	0.13	0.6	18	0.05	7.64		52.9	3
1096714	2.3	0.3	0.7	27	0.025	0.04	1.5	0.003	0.14	1	24	0.05	13.1		78.7	3.1
1096932	3.5	0.2	14.6	58.9	0.025	0.01	2.7	0.006	0.11	0.4	23	0.05	4.11		75	0.9
1097312	1.1	0.7	2	95	0.025	0.02	0.7	0.002	2.97	1.5	10	0.05	5.48		1949	1
1097313	2.6	0.6	5.9	27.1	0.025	0.03	1.8	0.007	0.65	1.6	31	0.1	10.85		732.5	2
1097314	3.7	0.9	1.6	94	0.025	0.01	2.2	0.006	0.26	2.8	25	0.1	12.1		272.1	2.3
1097315	6.6	1.3	2.2	70.8	0.025	0.04	4	0.004	0.34	1.5	30	0.05	16.23		188.4	2.7
1097316	4.7	1.2	2.8	49.7	0.025	0.01	3.8	0.004	0.08	2.3	21	0.05	14.37		91.4	4.8
1097317	4.5	1.2	1.7	57.8	0.025	0.01	2.7	0.005	0.09	4.8	21	0.05	16.75		101.6	5
1097318	3.7	0.4	3	21.1	0.025	0.01	3.5	0.004	0.22	1.5	45	0.1	10.63		176.9	2.2
1097319	2.6	0.5	1.1	34.3	0.025	0.08	1.3	0.006	0.21	2.2	53	0.1	16.55		114.4	1.8
1097320	2.3	0.7	1.9	64.3	0.025	0.04	1	0.005	0.22	1.7	31	0.05	12.6		85.8	2.5
1097321	2.4	0.6	1.6	89.3	0.025	0.05	1.3	0.004	0.25	1.2	22	0.05	11.17		109.9	2.2
1097322	2.9	0.6	4.5	74.3	0.025	0.05	3.2	0.002	0.34	1.4	16	0.05	9.21		230.2	3.2
1097559	2.8	1	1	40.3	0.025	0.01	1.9	0.004	0.39	1.1	21	0.05	12.69		60.1	2.9
1097560	2.8	0.9	1.2	12.6	0.025	0.01	1.9	0.003	0.25	1.3	30	0.05	7.86		48.8	2.1
1097561	1.7	0.9	1.2	44.1	0.025	0.02	1.1	0.004	0.17	4.8	27	0.05	6.04		82.5	2
1097562	4.1	1.4	1.5	39.3	0.025	0.01	2.6	0.006	0.22	4.7	38	0.1	12.16		110.4	2.3
1097563	3.5	1.7	1.1	42.9	0.025	0.01	1.7	0.006	0.13							

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1097601	RH	2011-08-12	UTM83-8	7129109	594886	1417	WH11001189	147	0.3	23.7	0.1	3	63.9	0.6	0.36	0.03	0.42	11.6	13.5	9	3.88	38.49	3.36	1.5	0.05	0.01	1207	0.05	0.13	4.3	1.5	0.05	446	0.31	0.003	0.01	30.5	0.057	44.96	5	1	8.5	0.5	0.01	0.53	
1097602	RH	2011-08-12	UTM83-8	7129058	594866	1426	WH11001189	85	0.37	25.4	0.1	2	48.1	0.3	0.07	9.55	1.55	11.1	3.1	9.7	0.31	5.44	2.7	1.1	0.05	0.03	3471	0.01	0.03	5.9	2.4	7.1	1465	11.01	0.008	0.1	8.8	0.063	75.33	5	1	3	0.5	0.01	2.48	
1097603	RH	2011-08-12	UTM83-8	7129028	594865	1433	WH11001189	105	0.39	16.3	1.2	3	42.9	0.4	0.11	11	2.09	5.3	13	7.8	0.37	27.99	0.75	1	0.05	0.03	1924	0.01	0.05	2.9	1	8.33	873	1.03	0.007	0.03	19.7	0.064	67.54	5	1	3.1	0.5	0.01	0.96	
1097604	RH	2011-08-12	UTM83-8	7128994	594855	1435	WH11001189	98	0.16	25.2	0.3	2	42.9	0.2	0.02	12.79	1.76	3.5	1	3.4	0.17	2.22	0.42	0.4	0.05	0.01	50000	0.01	0.02	2.1	1.1	9.46	1022	0.33	0.007	0.05	2.4	0.103	193.16	5	1	2	0.5	0.01	0.55	
1097605	RH	2011-08-12	UTM83-8	7128964	594845	1441	WH11001189	54	0.15	11.1	1.6	4	33.8	0.2	0.03	17.38	0.39	7.9	1.6	3.2	0.34	2.08	0.58	0.3	0.05	0.02	917	0.01	0.03	4.9	1.2	9.61	711	0.18	0.007	0.04	3	0.166	29.34	5	1	1.9	0.5	0.01	0.45	
1097606	RH	2011-08-12	UTM83-8	7128914	594832	1439	WH11001189	18	1.13	1.5	3	4	79.6	0.7	0.35	0.05	0.1	7.9	4.7	18.5	2.88	17.96	3.01	4.8	0.05	0.01	91	0.02	0.24	3.8	5.1	0.12	131	0.53	0.003	0.32	8.9	0.021	10.59	5	1	2.7	0.5	0.01	0.45	
1098275	BI	2011-08-17	UTM83-8	7128351	594847	1571	WH11001191	205	0.72	34.7	0.1	10	165.7	0.7	0.2	3.38	0.92	32.8	15.9	14.9	2.33	28.67	3.73	2.6	0.05	0.1	46	0.02	0.26	13.6	9.4	1.84	429	7.65	0.006	0.11	33.9	0.162	22.2	5	1	15.7	0.5	0.12	1.86	
1098276	BI	2011-08-17	UTM83-8	7128400	594850	1546	WH11001191	206	0.83	47.3	0.7	10	259.1	0.9	0.19	3.36	0.48	27.3	9.9	16.4	1.1	26.39	3.31	2.5	0.05	0.09	68	0.04	0.13	16	10.4	1.27	240	4.83	0.005	0.26	30.6	0.144	27.22	5	1	8.9	0.5	0.13	1.45	
1098277	BI	2011-08-17	UTM83-8	7128451	594847	1532	WH11001191	71	1.22	6.4	0.1	11	186.2	1.3	0.19	1.67	0.21	45.5	14	22.6	0.97	18.64	3.56	3.4	0.05	0.12	28	0.05	0.27	21	11.2	0.26	453	1.63	0.004	0.51	32.5	0.107	16.32	5	1	15	0.5	0.07	0.28	
1098278	BI	2011-08-17	UTM83-8	7128502	594850	1538	WH11001191	152	1.57	6.4	0.1	6	87.2	1.1	0.36	0.12	0.21	17.8	13.2	23	3.2	21.64	4.52	4.9	0.05	0.04	58	0.04	0.17	5.9	11.9	0.24	536	1.57	0.002	0.38	21.7	0.187	29.81	5	1	18.9	0.5	0.11	0.49	
1098279	BI	2011-08-17	UTM83-8	7128551	594847	1518	WH11001191	149	1.1	6.4	0.1	5	116.4	1.2	0.33	0.19	0.1	22.3	19.8	18	3.81	24.28	3.09	3.3	0.05	0.04	32	0.04	0.18	7.9	15.9	0.23	461	0.9	0.004	0.18	25.9	0.092	31.56	5	1	16.9	0.5	0.08	0.43	
1098280	BI	2011-08-17	UTM83-8	7128600	594848	1509	WH11001191	133	1.03	7	1	5	150.1	0.8	0.21	0.53	0.12	39.5	10	20.8	1.81	17.92	2.69	3.1	0.05	0.06	31	0.03	0.13	19.5	14.4	0.35	429	0.91	0.003	0.23	21.9	0.08	17.07	5	1	12.6	1	0.03	0.51	
1098281	BI	2011-08-17	UTM83-8	7128653	594852	1515	WH11001191	110	0.88	7.6	0.3	4	121.1	0.8	0.3	0.15	0.19	20.8	8	19.6	2.02	17.25	2.82	2.6	0.05	0.04	25	0.02	0.11	7.8	12.5	0.17	198	1.73	0.004	0.13	21.2	0.094	28.5	5	1	11.2	0.5	0.07	0.55	
1098282	BI	2011-08-17	UTM83-8	7128699	594848	1526	WH11001191	202	0.84	4.7	2	5	91.1	0.7	0.25	0.42	0.12	30.3	9.6	17.7	1.46	21.48	2.29	1.9	0.05	0.1	36	0.02	0.11	15.3	11.5	0.33	261	1.52	0.002	0.17	25.8	0.046	28.73	5	1	9.4	0.5	0.03	0.47	
1098283	BI	2011-08-17	UTM83-8	7128754	594850	1514	WH11001191	117	0.8	3.2	1.3	6	149.3	0.5	0.2	1.36	0.13	28.7	6.5	13.7	1.52	14.81	1.56	2.5	0.05	0.07	45	0.02	0.12	14.7	8.1	0.22	303	0.56	0.003	0.35	12.3	0.099	11.15	5	1	11.9	0.5	0.12	0.28	
1098284	BI	2011-08-17	UTM83-8	7128855	594848	1464	WH11001191	146	0.82	4	2.8	9	110.6	0.9	0.22	1.59	0.16	43.2	9	22.1	2.18	21.56	1.69	2.3	0.05	0.05	398	0.01	0.15	23.8	10.8	0.39	515	1.21	0.004	0.23	23	0.099	34.79	5	2	13	0.5	0.11	0.33	
1098285	BI	2011-08-17	UTM83-8	7128900	594850	1445	WH11001191	14	1.06	0.4	5.1	3	189.9	1.9	0.47	0.05	0.01	7.1	17	21.6	2.93	16.25	3.42	3.3	0.05	0.05	11	0.01	0.15	2.4	21.5	0.33	185	0.82	0.002	0.12	35.7	0.013	15.32	5	1	13.7	0.5	0.01	0.6	
1098286	BI	2011-08-17	UTM83-8	7128951	594851	1445	WH11001191	39	0.05	5.1	0.8	1	23.2	0.1	0.01	16.9	0.14	2.2	0.7	2.9	0.08	0.52	0.17	0.2	0.05	0.01	270	0.01	0.005	1.5	0.5	8.14	717	0.27	0.008	0.03	1.5	0.053	14.9	5	1	0.6	0.5	0.01	0.11	
1098287	BI	2011-08-17	UTM83-8	7129001	594847	1438	WH11001191	96	0.2	17.7	3.9	0.5	39.1	0.05	0.07	15.91	1.6	3.7	1.6	3.4	0.17	1.67	0.39	0.8	0.2	0.01	50000	0.01	0.01	2.9	1.1	8.92	1002	0.27	0.007	0.04	3.3	0.1	39.76	5	9	1.4	0.5	0.01	0.22	
1098288	BI	2011-08-17	UTM83-8	7129051	594848	1427	WH11001191	202	0.6	28.2	2.9	2	283.3	0.5	0.4	2.97	0.64	9.5	9.3	12.4	0.43	20.03	1.27	2.2	0.05	0.07	2408	0.03	0.11	4.5	2.2	1.76	450	1.63	0.003	0.07	15.7	0.038	99.21	5	1	5.1	0.5	0.11	1.57	
1098289	BI	2011-08-17	UTM83-8	7129102	594848	1416	WH11001191	172	0.44	14.8	0.7	3	75	0.6	0.31	1.2	0.14	5.1	12	8.9	4.84	27.84	2.49	1.3	0.05	0.08	1864	0.03	0.08	1.9	1.5	0.37	445	0.66	0.003	0.15	25.4	0.064	40.72	5	1	8.3	0.5	0.06	0.79	
1098290	BI	2011-08-17	UTM83-8	7129149	594848	1420	WH11001191	114	1.13	14.2	0.7	4	55.9	0.8	0.36	0.04	0.08	12.1	13.4	17.1	3.18	30.64	3.22	3.8	0.05	0.03	91	0.03	0.14	5.1	14	0.24	703	0.77	0.005	0.11	20.8	0.057	42.61	5	1	14.5	0.5	0.04	0.51	
1098291	BI	2011-08-17	UTM83-8	7129202	594848	1436	WH11001191	35	0.61	9.2	0.8	2	46.2	0.2	0.38	0.04	0.05	17.1	9.6	12.5	9.49	15.91	2.22	4.6	0.05	0.01	101	0.01	0.11	8.2	2.6	0.08	850	1.09	0.001	0.28	8.9	0.04	15.95	5	1	20.1	0.5	0.01	0.59	
1098292	BI	2011-08-17	UTM83-8	7129249	594849	1451	WH11001191	130	0.66	13.9	1.4	3	1230.8	0.5	0.17	2.09	0.89	25.8	6.7	12.3	0.62	18.22	2	1.9	0.05	0.03	376	0.03	0.05	12.7	5.5	0.17	596	1.19	0.005	0.25	15	0.086	28.82	5	1	5.6	0.5	0.12	1.56	
1098293	BI	2011-08-17	UTM83-8	7129299	594849	1472	WH11001191	70	1.22	8.4	1.8	3	42.7	0.8	0.19	1.68	0.29	45.6	10.9	33.8	1.83	28.89	2.52	4.1	0.05	0.13	73	0.03	0.13	25.8	20.8	1.17	274	0.41	0.002	0.2	27.4	0.054	11.21	5	1	10.9	0.5	0.04	0.62	
1098294	BI	2011-08-17	UTM83-8	7129401	594849	1475	WH11001191	85	1.89	10.4	2.6	2	75.7	0.9	0.16	3.02	0.22	40.2	9.8</																											

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Ti (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1097601	3.5	0.3	0.8	41.8	0.025	0.05	4.3	0.0005	0.25	0.7	15	0.05	11.14		346.6	0.8
1097602	1.5	0.5	1.1	163.2	0.025	0.04	0.8	0.004	2.87	2.2	14	0.05	5.85		1508.2	0.7
1097603	2.3	0.3	0.7	403.1	0.025	0.05	0.8	0.001	0.33	1.3	12	0.05	5.56		417.5	0.7
1097604	0.3	0.4	2.6	104	0.025	0.03	0.2	0.003	0.24	1.4	4	0.05	2.77		285.7	0.5
1097605	0.6	0.3	0.5	225.4	0.025	0.03	0.4	0.002	0.84	1.4	3	0.05	4.43		222.2	0.7
1097606	2	0.05	0.9	4.2	0.025	0.03	3.7	0.005	0.18	0.7	24	0.05	5.55		47.3	0.3
1098275	4.8	0.8	0.9	37.3	0.025	0.03	6	0.004	0.55	3.5	31	0.05	16.15		138	4.3
1098276	3.5	0.7	4.7	36.6	0.025	0.04	1.4	0.001	0.54	4.8	38	0.05	18.28		131.6	3.4
1098277	3.8	0.4	1	100	0.025	0.01	2	0.002	0.2	0.8	24	0.05	16.31		93.3	5.7
1098278	1	0.6	1.9	7.9	0.025	0.1	0.6	0.004	0.15	1.2	28	0.05	4.26		94.8	1.2
1098279	2.5	0.7	1	17.4	0.025	0.14	1.3	0.003	0.13	0.8	17	0.05	9.31		86.3	1.2
1098280	3.4	0.3	1.3	21	0.025	0.03	2.4	0.007	0.11	1.1	23	0.1	15.17		69.1	1.6
1098281	0.8	0.3	0.9	15.4	0.025	0.03	0.5	0.003	0.12	0.7	18	0.05	5.83		70	0.4
1098282	3.9	0.4	3	11.2	0.025	0.01	3.5	0.003	0.09	0.8	13	0.05	13.65		44.9	3.4
1098283	1.5	0.5	0.8	37.6	0.025	0.01	1	0.005	0.1	1.8	15	0.05	12.44		37.5	1.5
1098284	2.2	0.9	15.5	31.5	0.025	0.01	1.1	0.006	0.13	1.3	14	0.05	17.99		48.5	1.4
1098285	2.5	0.05	1.1	4.8	0.025	0.01	6	0.009	0.1	1.4	18	0.05	8.44		67.9	1.9
1098286	0.2	0.05	7.1	66.8	0.025	0.01	0.1	0.0005	0.27	0.4	1	0.05	1.89		43.1	0.3
1098287	0.2	1	0.9	60.6	0.025	0.01	0.05	0.004	0.53	1.5	2	0.05	3.2		152.1	0.05
1098288	1.5	0.2	4.1	61.9	0.025	0.07	1.6	0.001	0.7	1.1	15	0.05	4.23		310.4	2
1098289	2.7	0.3	2.1	15.5	0.025	0.01	1.7	0.002	0.45	0.6	12	0.05	2.85		75.1	1.9
1098290	1.9	0.2	2	24	0.025	0.03	2.9	0.002	0.17	0.6	23	0.05	3.08		96.3	0.9
1098291	1.2	0.2	1.6	5.5	0.025	0.04	1.1	0.011	0.12	0.4	32	0.05	1.88		81.2	0.2
1098292	1	0.8	1.1	77.3	0.025	0.02	0.4	0.004	0.24	6.8	19	0.05	8.95		205.4	0.9
1098293	5	0.6	0.6	41.2	0.025	0.02	4.1	0.004	0.13	1.6	26	0.05	13.61		81.7	4
1098294	4.1	0.9	3.1	86	0.025	0.01	3.7	0.006	0.14	2.1	32	0.05	11.6		81	4.4
1098295	4.5	1.5	0.7	36	0.025	0.05	2.8	0.003	0.16	1.5	19	0.05	16.87		85.1	3
1098296	4.9	1	1.3	13.6	0.025	0.01	5.7	0.003	0.06	0.9	20	0.05	12.12		92.2	4.1
1098297	4.3	0.6	0.4	37.5	0.025	0.01	2.3	0.004	0.06	2.5	15	0.05	19.69		87.2	3
1098298	4.6	0.3	5.4	37.8	0.025	0.01	3.1	0.003	0.06	2.2	16	0.05	16.82		111.2	4.7
1098299	4.1	0.3	0.8	34.5	0.025	0.01	3.5	0.003	0.06	2.9	16	0.05	13.36		99.1	4.4
1098300	2.9	0.2	7.1	16.6	0.025	0.01	2.8	0.003	0.2	0.8	17	0.05	8.92		294.2	0.7
1098403	5.1	1.2	0.7	84.3	0.025	0.03	2.2	0.005	0.23	1.8	42	0.05	12.57		111.1	2.5
1098404	4.8	0.7	3.6	29.2	0.025	0.02	3.4	0.01	0.18	2.4	38	0.1	11.97		77.5	2
1098405	4.6	0.8	0.8	60.5	0.025	0.01	2.8	0.004	0.27	1.9	42	0.05	13.99		99.9	3.1
1098406	0.6	0.8	1.4	31	0.025	0.01	0.1	0.005	7.53	1.9	8	0.05	4.91		5965	0.2
1098407	0.6	0.4	0.5	30.7	0.025	0.01	0.2	0.004	1.03	2.1	8	0.05	3.38		1627.6	0.2
1098408	1.2	0.9	0.8	32	0.025	0.11	0.5	0.004	2.6	21.1	140	0.05	10.59		117	2
1098409	1.7	0.9	4.6	103.5	0.025	0.06	1.2	0.003	2.12	14.6	139	0.05	10.54		141	2
1098410	0.4	0.3	1.1	59.6	0.025	0.01	0.1	0.004	0.13	1.1	18	0.05	5.98		15.4	0.5
1098411	0.5	0.3	1.1	68	0.025	0.01	0.2	0.003	0.31	1	21	0.05	4.36		6.2	0.6
1098412	0.3	0.4	0.5	49.1	0.025	0.01	0.1	0.002	0.29	1	9	0.05	5.51		2.4	0.3
1098413	0.8	0.5	1.6	91.6	0.025	0.06	0.5	0.001	0.86	3.4	31	0.05	7.39		45.2	0.8
1098414	0.3	0.5	2.3	57.8	0.025	0.01	0.1	0.003	0.2	2.3	22	0.05	9.79		21.8	0.4
1098415	0.7	0.4	1.2	66.6	0.025	0.02	0.3	0.004	0.36	1.1	17	0.05	9.94		21.2	0.9
1098416	0.8	0.4	1.3	45	0.025	0.01	0.3	0.007	0.13	0.7	15	0.05	10.29		20.9	0.9
1098417	2.6	0.2	1.1	48.8	0.025	0.03	2.3	0.009	0.57	2.3	27	0.05	13.65		58.9	3.5
1098418	0.4	0.3	1.7	59.6	0.025	0.02	0.1	0.004	0.21	1.1	14	0.05	7.13		22.5	0.6
1098419	0.6	0.4	0.6	60.4	0.025	0.01	0.3	0.005	0.14	1.3	17	0.05	8.41		25	0.8
1098420	0.7	0.5	2.7	47.9	0.025	0.01	0.3	0.007	0.14	1.2	19	0.05	8.04		32.7	0.6
1098421	0.4	0.4	1.9	48.9	0.025	0.01	0.1	0.004	0.08	1	9	0.05	6.24		17.1	0.4
1098422	1.3	0.4	1.3	37.2	0.025	0.02	0.5	0.007	0.41	4.2	35	0.05	13.64		77.2	1.4
1098423	4.8	1.5	0.9	121.7	0.025	0.01	3.6	0.004	0.16	1.1	29	0.05	12.62		78.9	2.8
1098424	2.9	1	1	50.1	0.025	0.01	1.3	0.007	0.12	3.3	33	0.05	11.35		112.1	2.6
1098425	3.5	0.6	2	56.1	0.025	0.04	1.2	0.009	0.13	1.5	18	0.05	14.55		63.5	2.7
1098426	3.4	0.9	2.6	48.8	0.025	0.03	1.3	0.005	0.1	2.1	22	0.05	15.4		73	3.8
1098427	5.7	1.4	1.7	57.4	0.025	0.01	3.2	0.008	0.14	2.7	26	0.05	13.64		117.8	3.9
1098428	5.2	0.4	0.9	55.6	0.025	0.02	4	0.005	0.11	3.8	23	0.05	14.77		95.5	6.2
1098429	4.6	0.6	0.7	46.5	0.025	0.03	4.7	0.004	0.12	2.9	22	0.05	15.25		97.6	4.3
1098430	4.5	0.8	1.3	42	0.025	0.01	3.8	0.004	0.1	3.1	21	0.05	13.91		94.9	4.3
1098431	1.4	0.4	0.6	74.9	0.025	0.02	0.7	0.003	0.45	3.6	29	0.05	17.61		130.7	2.1
1098432	2.4	0.2	2.1	66.2	0.025	0.09	2	0.006	0.74	4.5	40	0.05	19.9		188	4.5
1098433	1.5	0.1	0.9	74.6	0.025	0.09	1.8	0.005	0.49	3	23	0.05	9.98		99.6	4.4
1098434	1.5	1	2.4	37.7	0.025	0.01	0.6	0.004	0.48	23.7	55	0.05	13.37		93.3	3.1
1098435	6.7	1	2.3	38.4	0.025	0.01	3.5	0.002	0.5	4.8	35	0.05	17.54		163.8	4.7
1098436	4.2	1.1	2	61.3	0.025	0.01	2.8	0.003	0.57	4.4	36	0.05	14.23		183.5	2.7
1098437	2.4	0.7	1.3	86.4	0.025	0.01	0.8	0.003	0.27	3.7	31	0.05	13.72		107.1	2.4
1098438	2.9	0.4	2.8	52.9	0.025	0.01	1.2	0.005	0.29	6.4	36	0.05	11.7		67	1.8
1098439	5.5	0.4	1.5	209.6	0.025	0.05	2.5	0.003	0.29	1	16	0.05	14.29		101.1	4.6
1098440	3.2	0.3	2.2	262	0.025	0.03	1.8	0.006	0.22	1.5	21	0.05	10.35		67.9	2.5
1098441	3.6	0.2	1	82.2	0.025	0.01	1.9	0.003	0.18	0.8	22	0.05	15.12		78.4	3.8
1098442	3.3	0.2	1.3	261.2	0.025	0.01	1.7	0.003	0.16	0.6	17	0.05	12.43		75.7	3.5
1098443	2.6	0.3	1.5	47.7	0.025	0.03	1.3	0.007	0.22	2	43	0.05	14.16		98.9	1.8
1098444	1.8	0.3	1.9	48.3	0.025	0.03	0.8	0.005	0.17	2.2	31	0.05	11.67		82.5	1.3
1098445	3	0.4	1.4	154.5	0.025	0.01	2.2	0.003	0.34	5.5	30	0.05	12.21		72.3	2.2
1098446	2.7	0.2	2.1	22	0.025	0.03	2.5	0.005	0.1	0.9	16	0.05	12.87		49.5	2
1098447	4.1	0.2	1.8	17.2	0.025	0.01	4.1	0.005	0.12	0.5	16	0.05	11.53		56	2.3
1098448	1.7	0.2	1.6	28.2	0.025	0.01	0.9	0.005	0.37	0.8	20	0.05	8.88		548.1	1.3
1098449	1.2	0.6	1.7	1638.6	0.025	0.03	1.4	0.0005	4.92	7.7	9	0.1	8.62		641.6	1.4
1098450	1.3	0.4	1.8	37.2	0.025	0.03	0.6	0.007	0.74	1.4	21	0.05	7.66		1603	0.6
1098685	3.5	0.1	0.5	52.5	0.025	0.01	2.3	0.007	0.25	1.3	24	0.05	10.72		342	3.3
1098686	2.4	0.3</														

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1098696	ALJ	2011-08-16	UTM83-8	7127850	593850	1259	WH11001191	16	0.21	12.6	0.4	2	119.8	0.3	0.07	23.33	0.25	9.8	4.2	6.1	0.78	7.33	0.86	0.6	0.05	0.01	15	0.01	0.07	4.6	1.5	5.06	86	1.82	0.006	0.12	16.4	0.043	7.01	5	1	3.3	0.5	0.01	0.43	
1098697	ALJ	2011-08-16	UTM83-8	7128102	593848	1351	WH11001191	27	0.34	13.1	0.6	3	72.2	0.3	0.06	20.64	0.31	11.9	3.2	6	0.76	7.05	0.66	0.7	0.05	0.03	28	0.01	0.04	7.7	2.8	9.43	93	1.28	0.008	0.13	18.1	0.066	5.4	5	1	3.1	2	0.01	0.35	
1098698	ALJ	2011-08-16	UTM83-8	7128146	593851	1349	WH11001191	68	0.43	27.3	0.4	4	73.6	0.5	0.09	18.43	0.52	19.7	7	8.8	1.32	12.88	1.39	1.2	0.05	0.05	47	0.01	0.06	10	3.8	7.54	269	3.35	0.007	0.17	35.2	0.083	12.34	5	1	4.5	2	0.01	0.66	
1098699	ALJ	2011-08-16	UTM83-8	7128198	593844	1369	WH11001191	54	2.03	13.8	1.5	3	173.6	1.1	0.24	0.39	0.12	52.5	12.9	32.6	2.15	17.24	3.36	5.5	0.05	0.05	31	0.05	0.11	17.5	16.5	0.52	507	1.66	0.003	0.45	31.5	0.057	23.76	5	1	14	0.5	0.02	0.74	
1098700	ALJ	2011-08-16	UTM83-8	7128250	593850	1363	WH11001191	138	1.47	12.4	0.9	8	170.8	1.3	0.21	1.32	0.25	55.7	13.5	29.4	1.95	20.24	3.45	4.1	0.05	0.09	52	0.04	0.18	28	13.1	0.62	614	1.61	0.005	0.47	36.9	0.095	22.81	5	1	16.3	0.5	0.03	0.53	
1098843	CM	2011-08-16	UTM83-8	7129100	593597	1303	WH11001191	128	0.8	12.1	0.9	2	60.7	0.5	0.29	0.15	0.35	16	8.1	15.3	7.95	20.66	3.27	4.2	0.05	0.01	37	0.03	0.11	6.7	3.2	0.15	214	0.93	0.003	0.43	15.2	0.068	19.1	5	1	18.3	0.5	0.04	0.69	
1098844	CM	2011-08-16	UTM83-8	7129050	593604	1311	WH11001191	1196	1	25.2	1.8	7	122.8	0.9	0.28	1.24	0.22	31.3	12.6	21.5	10.97	28.14	2.9	2.7	0.05	0.09	434	0.03	0.16	15.4	11.8	0.4	468	2.61	0.005	0.35	34.1	0.164	40.08	5	1	19.7	0.5	0.08	0.92	
1098845	CM	2011-08-16	UTM83-8	7129003	593600	1322	WH11001191	251	0.49	34.8	1.3	8	91.7	0.5	0.12	7.86	0.26	21	9.5	12.6	2.74	17.29	2.17	1.5	0.05	0.06	82	0.01	0.11	9.4	4.6	3.68	264	2.98	0.005	0.22	19.2	0.134	19.26	5	1	8.7	0.5	0.05	0.69	
1098846	CM	2011-08-16	UTM83-8	7128952	593599	1330	WH11001191	174	0.98	27.4	0.7	8	249.6	1	0.2	1.53	0.27	38.2	14	20.3	1.29	15.25	3.16	3	0.05	0.07	47	0.04	0.17	16.7	7.2	0.39	498	2.79	0.003	0.4	24.2	0.092	33.24	5	1	11.7	0.5	0.06	0.68	
1098847	CM	2011-08-16	UTM83-8	7128896	593596	1352	WH11001191	116	1.03	16.5	0.7	3	102.3	0.6	0.15	7.49	0.29	25	7.4	17.4	0.95	8.84	1.93	2.5	0.05	0.04	45	0.03	0.07	11.3	7.7	3.87	471	2.04	0.006	0.43	15.3	0.092	17.37	5	1	7.2	0.5	0.03	0.5	
1098848	CM	2011-08-16	UTM83-8	7128853	593594	1358	WH11001191	134	1.28	21.7	0.8	3	93.4	0.6	0.22	3.22	0.55	30	8	23.6	1.03	14.4	2.56	3.3	0.05	0.02	64	0.03	0.07	17.8	8.9	1.17	462	2.96	0.005	0.54	25.4	0.123	24.34	5	1	8.5	1	0.1	0.88	
1098849	CM	2011-08-16	UTM83-8	7128753	593599	1363	WH11001191	114	1	10.6	0.6	6	127.4	0.6	0.15	5.22	0.78	22	6.3	18.3	0.77	11.03	1.87	2.6	0.05	0.03	61	0.03	0.08	11.3	7.4	2.02	469	2	0.005	0.53	15.6	0.145	12.39	5	1	7.3	0.5	0.13	0.48	
1098850	CM	2011-08-16	UTM83-8	7128704	593595	1348	WH11001191	191	0.56	35.6	1.1	9	62.8	0.8	0.15	3.85	0.27	35.8	13.8	17.7	1.47	25.17	3.6	1.6	0.05	0.04	101	0.03	0.12	15.9	2.8	1.74	432	11.04	0.003	0.19	40.6	0.14	35.16	5	1	7.7	2	0.08	1.49	
1098851	CM	2011-08-16	UTM83-8	7128651	593598	1340	WH11001191	185	1.11	29.3	0.4	6	124.9	1	0.17	2.36	0.37	34.5	10.8	22.6	1.03	13.32	2.88	3.2	0.05	0.07	69	0.04	0.11	15.7	6.6	0.81	561	6.91	0.002	0.41	26.8	0.138	23.59	5	1	9.8	1	0.11	1.04	
1098852	CM	2011-08-16	UTM83-8	7128608	593598	1356	WH11001191	110	0.91	20.6	0.3	8	103.3	0.7	0.11	8.3	0.25	29.2	8.6	18.3	1.08	10.86	2.13	2.2	0.05	0.06	31	0.02	0.14	13	5.2	4.37	378	5.94	0.006	0.26	23.7	0.149	14.72	5	1	11.4	0.5	0.03	0.89	
1098853	CM	2011-08-16	UTM83-8	7128554	593594	1346	WH11001191	87	0.76	14.4	0.7	9	132.1	1.1	0.14	2.95	0.36	43.6	11.5	21.3	1.33	16	2.74	2.5	0.05	0.04	26	0.03	0.21	18.9	5.3	0.99	437	4.51	0.003	0.36	28.9	0.103	15.93	5	1	13.8	0.5	0.08	0.61	
1098854	CM	2011-08-16	UTM83-8	7128501	593591	1354	WH11001191	132	0.59	31	0.7	9	130.7	0.7	0.15	1.91	0.24	38.7	13.8	16.2	1.07	20.36	3.56	1.7	0.05	0.07	75	0.04	0.15	17	3.2	0.43	478	13.93	0.003	0.3	30.5	0.119	26.35	5	1	9.2	2	0.12	0.81	
1098855	CM	2011-08-16	UTM83-8	7128452	593601	1331	WH11001191	120	0.97	17.6	0.5	7	90.7	0.7	0.13	7.51	0.35	29.7	8.9	20.2	0.94	12.15	2.23	2.4	0.05	0.04	45	0.01	0.14	14.2	5.6	3.82	487	3.54	0.004	0.32	23.5	0.214	15.64	5	1	10.4	0.5	0.06	0.69	
1098856	CM	2011-08-16	UTM83-8	7128404	593600	1335	WH11001191	75	0.92	7.1	0.4	10	161.3	1.5	0.15	2.07	0.12	35.6	9.6	20.1	1.05	15.36	2.9	2.8	0.05	0.07	53	0.04	0.18	19.6	6.3	0.36	220	1.99	0.002	0.44	25.1	0.097	14.79	5	1	13	2	0.09	0.3	
1098857	CM	2011-08-16	UTM83-8	7128352	593596	1316	WH11001191	83	0.8	9.2	0.8	9	276.4	1.3	0.2	1.78	0.28	46.9	13.6	19.1	0.54	17.37	3.42	2.1	0.05	0.07	40	0.04	0.17	22.6	5.5	0.23	481	2.77	0.004	0.3	30.4	0.101	18.73	5	1	10.3	2	0.08	0.35	
1098858	CM	2011-08-16	UTM83-8	7128301	593596	1334	WH11001191	59	0.66	6.3	0.2	9	123.4	1.3	0.15	3.26	0.38	50.4	11.8	19	0.79	17.64	2.98	1.8	0.05	0.08	53	0.03	0.13	26.2	4.9	0.15	533	1.84	0.005	0.3	31	0.105	17.4	5	1	10.4	0.5	0.12	0.24	
1098859	CM	2011-08-16	UTM83-8	7128254	593596	1318	WH11001191	127	1.19	20.5	0.5	8	342.7	1.3	0.21	1.35	0.18	39.2	18.4	21.1	1.09	18.95	3.29	3.8	0.05	0.11	51	0.03	0.16	16.6	7.6	0.3	651	4.02	0.003	0.43	27.3	0.181	28.01	5	1	14.1	0.5	0.08	0.69	
1098860	CM	2011-08-16	UTM83-8	7128202	593598	1334	WH11001191	98	0.8	22.1	0.4	4	88.7	0.5	0.12	9.1	0.34	20.8	6.1	14.3	0.81	12.36	1.41	1.6	0.05	0.04	41	0.01	0.05	14	4.9	6.3	438	2.1	0.009	0.21	23	0.145	12.71	5	1	5.4	0.5	0.08	0.76	
1098861	CM	2011-08-16	UTM83-8	7128155	593597	1343	WH11001191	95	1.34	28.6	0.6	5	113.7	1.1	0.23	5.47	0.56	35.3	10.6	18.1	1.6	26.8	2.25	3.4	0.05	0.16	72	0.03	0.1	21.2	8.6	2.74	594	2.5	0.007	0.71	37.7	0.154	17.49	5	1	9.1	0.5	0.13	1	
1098862	CM	2011-08-16	UTM83-8	7128102	593602	1335	WH11001191	67	0.41	11.7	0.5	3	46.2	0.3	0.09	10.37	0.29	13.3	4.1	9.6	0.56	9.2	0.95	1	0.05	0.05	26	0.01	0.04	8.7	3.6	7.64	211	1.15	0.009	0.17	13.6	0.089	7.7	5	1	3	1	0.05	0.48	
1098863	CM	2011-08-16	UTM83-8	7128005	593605	1356	WH11001191	33	0.49	16.5	0.3	2	133.6	0.5	0.08	14.22	0.36	17.6	3.7																											

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1098696	1.2	0.2	1.1	96.5	0.025	0.01	1.2	0.002	0.33	3.6	11	0.05	5.87		30.4	1.6
1098697	1.2	0.2	0.2	89	0.025	0.01	1.1	0.004	0.29	3.3	15	0.05	10.53		41.9	2
1098698	2.4	0.4	0.7	85.4	0.025	0.06	1.7	0.003	0.45	3.5	27	0.05	13.45		92.3	2.5
1098699	3.2	0.3	0.7	22.5	0.025	0.05	1.8	0.009	0.28	1.2	47	0.1	9.16		98.5	1.2
1098700	5.8	0.2	1	45.3	0.025	0.03	4.3	0.008	0.29	1.5	37	0.05	17.62		103.7	3.6
1098843	1.8	0.2	1	14.7	0.025	0.05	1.6	0.005	0.2	0.6	33	0.05	2.72		72.8	0.4
1098844	6.1	0.2	2.2	46.4	0.025	0.06	3.5	0.006	0.34	4.9	25	0.05	44.49		136.2	3.2
1098845	3.5	0.5	0.3	80.3	0.025	0.05	1.5	0.002	0.5	2.9	27	0.05	11.85		58.5	2.1
1098846	4.6	0.4	0.8	40.2	0.025	0.04	2	0.002	0.36	2.7	38	0.05	15.09		155.5	2
1098847	2.3	0.2	0.9	50.8	0.025	0.01	1	0.006	0.21	2.5	37	0.1	9.9		62.7	1.1
1098848	1.8	0.4	0.9	30	0.025	0.1	0.6	0.005	0.33	4.1	68	0.05	16.58		83.7	0.9
1098849	1.3	0.3	0.5	43.5	0.025	0.01	0.4	0.006	0.2	3.6	41	0.05	10.75		100.4	1.1
1098850	6.1	0.5	0.7	38.8	0.025	0.03	2.3	0.002	0.62	3.8	34	0.05	14.03		137.4	1.5
1098851	2.8	0.2	0.6	32.3	0.025	0.03	1	0.003	0.5	6.8	61	0.05	14.69		83.8	1.8
1098852	3.2	0.2	0.8	69.2	0.025	0.05	1.6	0.004	0.36	5.4	47	0.05	12.58		62.9	1.9
1098853	3.4	0.2	0.7	79.9	0.025	0.03	1.3	0.003	0.32	2.5	36	0.05	13.25		91.7	2.4
1098854	4.8	0.4	0.6	39.1	0.025	0.03	1.6	0.002	0.38	3	28	0.05	14.86		92.6	2
1098855	2.2	0.2	0.4	53	0.025	0.03	0.7	0.004	0.31	7.5	50	0.05	14.76		74.9	1.2
1098856	3.9	0.3	0.6	87.1	0.025	0.02	1.3	0.002	0.24	2	26	0.05	15.22		67.1	2.4
1098857	3.4	0.6	0.8	103.5	0.025	0.07	1.5	0.002	0.19	1.6	24	0.05	16.29		96.7	2.8
1098858	2.5	0.6	1.7	190.9	0.025	0.07	1.1	0.002	0.19	0.7	16	0.05	14.18		91.2	2.8
1098859	4.4	0.8	0.9	60.5	0.025	0.08	2.7	0.004	0.27	5.5	40	0.05	13.49		93.5	2.7
1098860	1	0.7	0.3	51.3	0.025	0.07	0.6	0.006	0.56	4.7	39	0.05	16.61		60.2	1.5
1098861	2	0.8	0.6	36.3	0.025	0.09	1.1	0.006	0.73	4.5	43	0.05	22.93		94.2	5.1
1098862	1.1	0.4	0.3	54.6	0.025	0.06	0.7	0.007	0.18	2.7	23	0.05	9.28		44	1.3
1098863	1.8	0.4	0.5	62.4	0.025	0.05	1.6	0.006	0.35	2.4	19	0.05	13.6		60.1	3.1
1098864	1.7	0.2	1.6	64.4	0.025	0.05	1.8	0.006	0.32	2	16	0.05	13.03		56	5.4
1098865	1.5	0.2	0.7	66.9	0.025	0.04	1.5	0.005	0.3	2.2	15	0.05	11.8		51	3.5
1098866	1.8	0.2	6.3	82.5	0.025	0.05	1.7	0.008	0.4	6.8	26	0.05	15.16		81.1	3.4
1098867	6	1.3	1.8	57.4	0.025	0.05	5.6	0.004	0.16	2.4	29	0.05	10.79		179.6	4.4
1098868	6.5	1.1	0.8	33.5	0.025	0.04	6.2	0.01	0.13	1.1	30	0.05	13.88		123.4	3.6
1098869	5.8	0.7	6	41.7	0.025	0.03	4.8	0.005	0.12	1.4	21	0.05	10.23		91.4	2.8
1098870	6.1	0.4	0.8	41.7	0.025	0.01	4.4	0.007	0.14	1	28	0.05	17.72		84.6	4.6
1098871	2.9	0.5	2	39.2	0.025	0.07	4.4	0.019	0.2	0.9	45	0.2	4.19		66.1	1.7
1098872	3.7	1.5	0.6	46.3	0.025	0.03	1.7	0.014	0.13	5	34	0.1	16.91		73.5	1.5
1098873	3	1.3	0.9	46.8	0.025	0.04	1.6	0.011	0.11	6.9	35	0.05	11.82		82.5	2.2
1098874	6.3	1.6	1	52.4	0.025	0.03	5.3	0.006	0.11	1.1	25	0.05	18.87		319.6	4.7
1098875	4.7	0.8	1	102.3	0.025	0.04	4	0.005	0.11	3.9	19	0.05	20.29		173.1	7
1098876	5.3	0.7	0.9	53.8	0.025	0.02	6	0.006	0.1	3.7	19	0.05	16.97		164.4	8.5
1098877	5.6	0.5	1.1	37.4	0.025	0.05	4.8	0.006	0.09	2.3	19	0.05	21.4		238.4	6.8
1098878	1.4	0.3	0.2	70.3	0.025	0.06	0.8	0.003	0.32	2.8	25	0.05	7.93		63	1.3
1098879	1.3	0.3	1	79.7	0.025	0.07	0.7	0.003	0.35	6.9	42	0.05	8.17		58.7	1.3
1098880	0.8	0.6	1.9	60.9	0.025	0.14	0.4	0.006	0.19	40.1	99	0.05	12.37		191.6	1.7
1098881	1.4	0.6	1	49.9	0.025	0.06	0.8	0.009	0.29	42.5	94	0.2	18.14		74.8	2.4
1098882	0.9	1.1	0.9	18.9	0.025	0.08	0.4	0.008	0.4	2.2	58	0.2	17.3		137.2	0.8
1098883	0.5	0.5	2.1	31.1	0.025	0.04	0.05	0.005	0.15	1.1	15	0.05	13.08		59.6	0.7
1098884	1	0.4	2.4	36.9	0.025	0.08	0.3	0.006	0.33	2.3	29	0.05	13.53		81.6	1
1098885	0.5	0.2	0.2	28.6	0.025	0.06	0.1	0.003	0.31	1	16	0.05	10.93		60.5	1.6
1098886	6.5	0.5	1.2	50.4	0.025	0.06	2.7	0.002	0.15	1.8	28	0.05	13.17		91.6	2.7
1098887	6.2	0.8	1.9	34.4	0.025	0.05	2.5	0.002	0.23	1.4	28	0.05	16.33		96.5	3.1
1098888	4.4	0.8	1.2	42.7	0.025	0.09	2.7	0.004	0.71	6.1	33	0.05	15.96		118.6	3.6
1098889	3.5	0.5	3.3	51.7	0.025	0.01	2	0.003	0.31	2.2	24	0.05	13.99		97.5	3
1098890	3.1	0.7	1.7	60.8	0.025	0.08	2	0.003	0.5	8.5	40	0.05	13.88		88.3	2.3
1098891	1.9	0.2	0.7	662.6	0.025	0.11	1.3	0.002	0.08	0.4	9	0.05	5.52		31.6	1.9
1098892	2.8	0.4	1.2	711.6	0.025	0.11	2.4	0.002	0.08	0.5	8	0.05	6.46		39.1	3.4
1098893	2.8	0.3	1.2	589.7	0.025	0.07	1.7	0.002	0.13	0.5	12	0.05	7.55		48.7	2.8
1098894	2.8	0.5	1.9	200.4	0.025	0.03	1.1	0.002	0.16	0.5	14	0.05	11.45		69.1	3.7
1098895	3.4	1.2	2.6	67.3	0.025	0.08	3.3	0.002	0.22	0.8	20	0.05	8.09		99	5
1098896	3.6	1.3	1.4	52.3	0.025	0.06	2.2	0.003	0.2	1	33	0.05	12.78		110.9	5.5
1098897	2.7	1.2	1.1	44.2	0.025	0.03	1.6	0.002	0.17	0.8	27	0.05	9.72		82.1	4.3
1098898	2.7	0.6	0.9	36.2	0.025	0.08	1.9	0.004	0.16	1	25	0.05	9.78		78.5	2.7
1098899	2.6	0.5	0.9	40.6	0.025	0.01	2	0.004	0.14	1.1	20	0.05	6.72		80	3.8
1098900	3.5	1.1	0.8	35.1	0.025	0.02	1.9	0.006	0.13	1.2	24	0.05	16.65		73.4	2.8
1098951	1.3	0.7	5.5	28.3	0.025	0.03	1.8	0.002	0.11	0.6	13	0.05	3.48		130.7	0.4
1098952	1.7	0.6	2.6	7.6	0.025	0.01	4.1	0.017	0.18	0.6	46	0.1	2.83		81.4	1.5
1098953	1.4	0.9	3.5	10.2	0.025	0.01	1	0.004	0.16	0.5	28	0.05	3.74		84.8	0.5
1098954	2.9	1.3	29.2	71.9	0.025	0.06	2.5	0.005	0.34	1.6	20	0.05	14.74		153.5	1.3
1098955	3.7	1.4	2.1	50.3	0.025	0.03	1.6	0.002	0.11	6	21	0.05	15.04		82.2	2.3
1098956	4.2	1.6	2.9	31.4	0.025	0.01	3	0.006	0.12	1.3	26	0.05	7.8		125.3	3.7
1098957	8.5	3.1	5.3	42.1	0.025	0.01	3.7	0.007	0.21	2.6	35	0.05	20.19		134.2	4.3
1098958	2.8	1	2.1	16.7	0.025	0.02	3	0.006	0.15	1.2	32	0.05	5.46		106.4	1.3
1098959	2.5	1.4	1.6	59.8	0.025	0.01	1.5	0.003	0.3	8.7	18	0.05	8.8		114.7	2.9
1098960	3.4	1	1.2	30.7	0.025	0.01	2.1	0.003	0.23	2.1	28	0.05	15.61		165.9	4.7
1098961	3.4	1.2	0.9	21.2	0.025	0.04	1.9	0.003	0.27	3	30	0.05	16.3		227.8	4.4
1098962	1.7	1.1	2.3	40.2	0.025	0.03	2.2	0.004	0.08	2.2	19	0.05	16.34		115.6	1.9
1098963	2.9	1.3	2.4	34.4	0.025	0.03	1.2	0.005	0.14	1.5	18	0.05	17.22		104.2	2.4
1098964	4.4	1.3	1.4	35.1	0.025	0.02	3.4	0.006	0.13	1.4	25	0.05	22.88		65.6	2.4
1098965	2.9	1.5	2.2	70.8	0.025	0.05	1.8	0.003	0.17	1.5	24	0.05	13.88		109.3	6.4
1098966	4.6	0.5	1.5	511.1	0.025	0.02	5.1	0.002	0.24	1	18	0.05	10.63		72.3	8.6
1098967	3.9	0.6	1.3	650.4	0.025	0.04	3.9	0.002	0.14	0.8	13	0.05	9.5		56.8	5.3
1266501	3.5	0.4	0.9	19.6	0.025	0.04	3.1	0.004	0.35	1.2	27	0.05	12.33		463.3	1.8
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Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1266512	FT	2011-08-27	UTM83-8	7122907	601502	1093	WH11001354	134	2.25	16	1.6	2	83.7	0.7	0.4	0.04	0.17	16	15.7	36.9	4.27	15.02	5.52	7.4	0.05	0.04	38	0.04	0.08	7.6	50.9	0.55	572	1.19	0.002	1.13	20.6	0.081	22.62	5	1	15.9	0.5	0.02	0.81	
1266513	FT	2011-08-28	UTM83-8	7128006	592602	1475	WH11001355	23	0.07	3.9	0.4	2	14.5	0.1	0.02	16.03	0.12	4.9	1.7	5.1	0.23	3.84	0.22	0.2	0.05	0.01	2.5	0.01	0.02	4.1	0.8	10.14	200	0.77	0.011	0.06	4.8	0.018	9.41	5	1	0.5	0.03	0.69		
1266514	FT	2011-08-28	UTM83-8	7128046	592599	1458	WH11001355	15	0.07	6.6	0.6	2	16.1	0.1	0.02	15.55	0.09	3.9	1.6	4.1	0.17	3.3	0.22	0.2	0.05	0.01	2.5	0.01	0.01	3.3	0.8	10.04	221	0.49	0.01	0.04	5.1	0.018	15.83	5	1	0.8	1	0.02	0.7	
1266515	FT	2011-08-28	UTM83-8	7128098	592608	1428	WH11001355	22	0.14	8.3	0.3	2	29.2	0.2	0.04	13.79	0.17	5.5	3	3.7	0.29	6.35	0.32	0.3	0.05	0.01	2.5	0.01	0.02	4.1	1.3	9.34	288	0.67	0.01	0.08	15.1	0.037	5.2	5	1	1.3	2	0.03	0.62	
1266516	FT	2011-08-28	UTM83-8	7128149	592597	1402	WH11001355	21	0.2	21	0.8	3	25.4	0.2	0.06	14.95	0.2	8.4	3.6	5.2	0.72	8.12	0.7	0.6	0.05	0.03	2.5	0.01	0.03	5	1.7	9.38	258	1.45	0.01	0.18	12.9	0.042	7.93	5	1	2.1	2	0.03	0.72	
1266517	FT	2011-08-28	UTM83-8	7128199	592601	1401	WH11001355	50	0.8	12.9	0.6	5	65.7	0.4	0.15	9.83	0.6	19.1	6.1	12	1.08	12.64	1.29	1.7	0.05	0.07	8	0.01	0.08	10.7	6.1	6.58	416	1.64	0.011	0.32	19.3	0.066	10.38	5	1	6	0.5	0.05	0.47	
1266518	FT	2011-08-28	UTM83-8	7128305	592605	1396	WH11001355	15	0.18	2.8	2.1	5	23.5	0.1	0.08	12.5	0.15	6.2	1.4	4.1	0.22	3.25	0.25	0.4	0.05	0.01	25	0.02	0.02	5.2	1.5	8.21	191	0.33	0.012	0.08	4.6	0.03	5.04	5	1	1.8	1	0.04	0.24	
1266519	FT	2011-08-28	UTM83-8	7128347	592600	1381	WH11001355	17	0.13	2.4	0.9	4	18.5	0.1	0.05	13.53	0.11	5.3	1.3	7.3	0.16	2.69	0.2	0.3	0.05	0.01	21	0.01	0.02	4.8	1.2	8.93	135	0.43	0.01	0.05	6.2	0.026	6.04	5	1	1.4	1	0.02	0.28	
1266520	FT	2011-08-28	UTM83-8	7128399	592598	1360	WH11001355	10	0.08	3.2	0.9	4	14.8	0.05	0.05	16.01	0.11	3.7	1.1	3.6	0.14	2.23	0.15	0.2	0.05	0.01	22	0.01	0.01	3.7	0.8	10.07	158	0.48	0.013	0.03	5.4	0.024	7.44	5	1	0.9	0.5	0.03	0.23	
1266521	FT	2011-08-28	UTM83-8	7128446	592593	1329	WH11001355	17	0.18	15.9	0.6	3	22.5	0.2	0.06	12.45	0.12	9.9	1.8	6	0.38	4.39	0.48	0.4	0.05	0.02	25	0.01	0.03	8.1	1.5	8.6	197	0.77	0.01	0.08	13.6	0.036	4.07	5	1	1.6	1	0.03	0.77	
1266522	FT	2011-08-28	UTM83-8	7128509	592604	1327	WH11001355	24	0.18	4.3	0.4	3	40.9	0.2	0.04	14.4	0.13	4.8	2	4.5	0.24	3.85	0.38	0.4	0.05	0.01	16	0.01	0.02	3.3	1.9	9.5	435	0.37	0.009	0.09	7.3	0.019	4.09	5	1	1.6	1	0.01	0.25	
1266523	FT	2011-08-28	UTM83-8	7128551	592602	1326	WH11001355	22	0.15	2.6	0.4	3	34.4	0.1	0.04	15.55	0.12	5.1	1.5	4.7	0.19	3.02	0.26	0.3	0.05	0.01	21	0.01	0.01	4.2	1.5	10.2	297	0.37	0.012	0.06	6.7	0.03	4.22	5	1	1.4	0.5	0.03	0.22	
1266524	FT	2011-08-28	UTM83-8	7128661	592604	1285	WH11001355	251	0.02	14.6	0.2	1	7.4	0.3	0.09	8.64	0.11	2.2	1.8	1.1	0.03	2.39	13.94	0.05	0.1	0.01	438	0.01	0.005	1.7	0.2	6.63	1525	3.64	0.005	0.01	2.1	0.041	127.35	5	1	0.1	0.5	0.07	3.41	
1266525	FT	2011-08-28	UTM83-8	7128701	592602	1268	WH11001355	241	0.91	12.6	1.3	3	105.9	0.5	0.16	5.21	1.05	12.8	5.8	12.6	0.73	8.69	5.23	2.1	0.05	0.02	369	0.01	0.04	6.3	4.2	3.04	2341	1.5	0.007	0.3	10.4	0.134	125.18	5	1	4.7	0.5	0.07	2.77	
1266526	FT	2011-08-28	UTM83-8	7128751	592600	1238	WH11001355	190	1.08	23.2	1.8	5	129.8	1	0.35	1.56	1.39	18.9	10.9	18.1	1.39	21.31	3.01	3.3	0.05	0.04	235	0.04	0.13	9.5	6.4	6.64	1185	3.44	0.005	0.35	23.3	0.077	52.6	5	1	9.2	0.5	0.14	0.76	
1266527	FT	2011-08-28	UTM83-8	7128809	592592	1240	WH11001355	141	0.79	18.7	1.5	4	87.7	0.8	0.27	3.87	0.87	12	8.3	12.7	1.26	18.17	2.09	2.3	0.05	0.04	249	0.03	0.11	6.1	3.9	1.92	689	1.65	0.005	0.2	16.1	0.07	38.26	5	1	6.7	0.5	0.1	0.48	
1266528	FT	2011-08-28	UTM83-8	7128856	592592	1225	WH11001355	120	1.43	6.9	3.3	4	101.2	0.8	0.17	0.95	0.27	43.6	7.8	39.8	1.23	16.07	2.06	5	0.05	0.1	73	0.03	0.08	16.7	35.5	1.3	376	0.55	0.004	0.51	18.8	0.048	16.32	5	1	10.1	0.5	0.04	0.31	
1266529	FT	2011-08-28	UTM83-8	7129299	592596	1048	WH11001355	126	1.28	7.4	2.7	5	322.2	0.9	0.24	1.82	0.37	34.5	10.3	26	1.4	28.42	2.6	3.5	0.05	0.1	89	0.04	0.12	16.4	20.3	1.11	379	0.48	0.006	0.41	24.3	0.065	27.03	5	1	9.1	0.5	0.05	0.93	
1266530	FT	2011-08-28	UTM83-8	7129208	593098	1246	WH11001355	71	2.05	4.1	0.5	3	193.1	1.1	0.18	0.37	0.36	47.6	9	40.4	2.23	14.61	2.55	6.4	0.05	0.06	27	0.04	0.1	22.1	40.4	1.36	487	0.45	0.005	0.55	18.7	0.035	17.92	5	1	19.4	0.5	0.01	0.3	
1266531	FT	2011-08-28	UTM83-8	7129144	593092	1263	WH11001355	56	1.31	5	3.4	5	128	1.2	0.17	1.03	0.36	43.2	8	41.4	1.66	22.94	2.57	4.1	0.05	0.14	47	0.03	0.09	22.7	28.1	1.14	189	0.5	0.004	0.34	20.6	0.066	19.16	5	1	11	0.5	0.06	0.24	
1266532	FT	2011-08-28	UTM83-8	7129107	593096	1252	WH11001355	53	1.7	5.3	4	6	113.6	1.4	0.21	1.35	0.26	47	11.8	46.4	1.89	29.29	2.83	5.3	0.05	0.19	38	0.04	0.11	23	37.6	1.5	372	0.5	0.006	0.32	26.6	0.057	15.69	5	1	11.5	0.5	0.05	0.27	
1266533	FT	2011-08-28	UTM83-8	7129051	593095	1242	WH11001355	152	1.43	10.5	3.2	3	91.2	1.3	0.18	0.89	0.6	49.7	10.1	46	1.83	27.37	2.74	4.8	0.05	0.12	101	0.04	0.12	24.4	31.8	1.02	371	0.78	0.004	0.35	24.7	0.066	31.42	5	1	12.9	0.5	0.06	0.52	
1266534	FT	2011-08-28	UTM83-8	7128997	593089	1237	WH11001355	97	1.62	9.1	3.6	6	111.9	1.4	0.18	0.96	0.34	46.7	9.4	43.1	1.33	26.23	2.8	5.1	0.05	0.13	82	0.03	0.15	22.4	37.1	1.08	318	0.64	0.004	0.46	22.7	0.053	26.43	5	1	13.3	0.5	0.05	0.46	
1266535	FT	2011-08-28	UTM83-8	7128955	593094	1215	WH11001355	108	1.57	10.8	3.6	5	81.7	1	0.14	4.62	0.26	34.6	9.9	42.7	2.19	25.88	2.22	5.1	0.05	0.12	48	0.02	0.11	16.2	41	1.87	278	0.75	0.006	0.31	21.9	0.048	18.69	5	1	12.9	0.5	0.04	0.4	
1266535	AJ	2011-08-27	UTM83-8	7123501	599801	1333	WH11001354	95	1.18	12.2	5.5	2	93.5	0.8	0.38	0.05	0.08	24.3	4.9	24.9	2.19	40.71	2.29	5.6	0.05	0.01	28	0.03	0.07	10.6	8.1	0.24	415	1.59	0.004	0.32	11	0.124	14.89	5	1	11.5	0.5	0.07	0.71	
1266534	AJ	2011-08-27	UTM83-8	7123501	599848	1339	WH11001354	23	1.62	14.7	1.6	2	55.2	0.4	0.41	0.03	0.11	16.4	14.5	33.8	3.35	16.26	4.23	6.2	0.05	0.																				

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1266512	2.1	0.4	2	6.9	0.025	0.07	3.1	0.004	0.13	0.5	54	0.1	2.2		108.9	1.6
1266513	0.3	0.5	4.6	89.5	0.025	0.02	0.2	0.002	0.1	1	5	0.05	3.98		15.2	0.7
1266514	0.3	0.2	7.7	74.6	0.025	0.01	0.2	0.002	0.1	0.8	5	0.05	4.01		15	0.4
1266515	0.4	0.2	0.9	73.7	0.025	0.04	0.3	0.003	0.22	3.1	14	0.05	5.84		18.4	0.6
1266516	0.8	0.4	2	82.2	0.025	0.01	0.7	0.004	0.27	3.6	19	0.05	6.34		22.9	1.1
1266517	1.5	0.4	1	72.9	0.025	0.04	0.9	0.006	0.35	2.1	24	0.05	9.79		85.5	2.4
1266518	0.3	0.2	1.5	64.8	0.025	0.01	0.1	0.003	0.1	0.8	9	0.05	5.28		18.6	0.3
1266519	0.4	0.2	2.6	53.5	0.025	0.01	0.1	0.003	0.1	1.3	15	0.05	6.66		8.3	0.4
1266520	0.3	0.3	4	55.7	0.025	0.01	0.05	0.002	0.12	1.1	10	0.05	5.97		7	0.4
1266521	0.5	0.3	0.6	42.9	0.025	0.01	0.3	0.003	0.29	1.9	27	0.05	7.33		14.9	0.6
1266522	0.5	0.3	0.7	55.8	0.025	0.01	0.2	0.004	0.49	1.2	13	0.05	6.45		16	0.5
1266523	0.3	0.3	0.9	57.6	0.025	0.01	0.2	0.003	0.21	1	15	0.05	6.9		15	0.4
1266524	0.3	0.2	0.7	34	0.025	0.01	0.05	0.0005	7.03	1.9	3	0.05	1.81		309.8	0.2
1266525	1.2	0.5	0.7	20.7	0.025	0.03	0.5	0.007	2.83	1.4	24	0.05	6.28		891.6	0.8
1266526	3	0.2	0.9	42.4	0.025	0.03	1.4	0.002	0.79	1.7	37	0.05	12.29		432.9	1.2
1266527	1.9	0.3	0.7	54.2	0.025	0.02	0.8	0.001	0.47	1.2	24	0.05	7.95		267.9	0.9
1266528	4.2	0.8	1.2	41.2	0.025	0.01	2.5	0.01	0.2	5.9	37	0.05	10.26		83.4	3.8
1266529	4.7	0.5	0.6	53.1	0.025	0.01	3.8	0.004	0.16	1.7	23	0.05	14.28		127.4	4.8
1266530	3.8	0.2	0.9	16.1	0.025	0.01	4.4	0.01	0.16	0.9	41	0.05	7.59		87.1	2.5
1266531	6.3	1.1	0.7	51.8	0.025	0.01	3.8	0.003	0.13	1.4	30	0.05	14.21		101.2	5.5
1266532	6.3	1	1.2	60	0.025	0.02	4.4	0.004	0.15	1.4	39	0.05	16.4		105.1	7.5
1266533	5.6	1	1.1	41.4	0.025	0.02	2.8	0.004	0.24	2.8	42	0.05	17.03		141.6	3.7
1266534	7	1	0.9	42.5	0.025	0.01	4.4	0.004	0.25	1.4	43	0.05	16.75		120.4	4.8
1266535	4.2	1	1.4	120	0.025	0.01	3.3	0.006	0.28	3.6	37	0.05	10.63		96.5	5.6
1266553	0.4	0.3	1.1	8.9	0.025	0.06	0.3	0.006	0.15	1.3	49	0.1	3.68		47.5	0.3
1266554	2	0.3	3.4	6	0.025	0.05	1.6	0.015	0.09	0.8	50	0.2	2.62		66.7	0.2
1266555	2.1	0.2	2.9	5.2	0.025	0.02	1.9	0.01	0.12	0.8	50	0.2	3.07		62.4	0.5
1266556	1.4	0.3	2.5	6.2	0.025	0.06	0.9	0.012	0.17	0.9	53	0.2	3.21		58.4	0.2
1266557	2.3	0.3	1.1	8.5	0.025	0.04	2.1	0.012	0.16	0.8	55	0.2	3.46		89.3	0.4
1266558	1.6	0.2	1.6	9.5	0.025	0.05	0.6	0.016	0.17	0.8	59	0.1	3.88		56.7	0.1
1266559	2.2	0.4	1.4	7.5	0.025	0.05	2.9	0.015	0.14	0.7	57	0.2	2.8		67.1	0.3
1266560	2.7	0.3	1.3	8.9	0.025	0.05	3.2	0.004	0.13	0.7	35	0.2	4.04		84.3	1
1266561	2.7	0.5	1.4	5.6	0.025	0.07	3.8	0.013	0.15	0.7	52	0.1	3.44		123.7	0.7
1266562	3	0.2	2.4	6.4	0.025	0.06	2.6	0.006	0.13	1.2	33	0.2	5.86		80.8	0.8
1266563	3	0.4	0.8	10.6	0.025	0.03	4.6	0.018	0.13	1.1	41	0.2	6.15		118.1	0.5
1266564	2.1	0.2	1.7	5.5	0.025	0.03	2.4	0.004	0.11	0.7	36	0.05	3.94		51.2	0.6
1266565	2.6	0.2	1.1	9.7	0.025	0.05	1.6	0.004	0.19	1.4	40	0.2	6.98		78.3	0.5
1266566	2.6	0.2	1.6	9.6	0.025	0.05	4.1	0.007	0.17	0.9	49	0.2	5.21		92.7	0.9
1266567	2	0.3	1.7	4.6	0.025	0.05	3.3	0.007	0.13	0.7	47	0.2	2.98		91.8	0.5
1266568	2.1	0.3	1.6	5.9	0.025	0.02	2.6	0.002	0.11	0.6	33	0.05	3.32		111.3	0.8
1266569	2.8	0.3	0.6	20.9	0.025	0.03	1.9	0.007	0.24	1.3	37	0.1	11.21		528.4	1.2
1266570	3.1	0.3	0.9	32.6	0.025	0.01	2.9	0.007	0.26	1.1	33	0.1	9.49		398.3	1.9
1266571	3.8	0.05	0.8	20.4	0.025	0.04	3	0.003	0.22	0.8	16	0.05	7.44		134.7	0.9
1266572	1.3	0.4	0.4	51.1	0.025	0.01	1	0.003	0.19	0.5	11	0.05	5.71		194.1	0.3
1266573	2.1	0.4	0.6	31.2	0.025	0.03	1.7	0.009	0.44	1.5	36	0.1	9.43		863	0.7
1266574	2.5	0.6	0.9	26.8	0.025	0.03	2	0.008	1.29	1.6	34	0.1	9.43		2233.7	1.1
1266575	1.8	0.6	0.7	28.7	0.025	0.03	1.2	0.009	1.12	2.2	32	0.05	8.6		960	1.1
1266576	2.4	0.5	0.8	21.4	0.025	0.04	1.2	0.009	1.19	2.9	48	0.05	13.16		3881.1	0.8
1266577	0.4	0.5	0.3	29.3	0.025	0.01	0.3	0.001	24.76	2.8	6	0.05	3.42		2238.3	0.3
1266578	3.1	0.6	0.5	20.1	0.025	0.05	2.8	0.004	1.41	4.6	31	0.05	15.87		2207.9	2.2
1266579	3.4	0.6	1.7	77	0.025	0.03	1.8	0.005	0.31	5.1	32	0.05	14.58		105	3.3
1266580	2.6	0.6	1.1	79.8	0.025	0.01	1.2	0.004	0.15	8.2	29	0.05	13.77		96	3.9
1266581	5.7	0.3	0.5	33.9	0.025	0.05	4.1	0.005	0.13	1.6	36	0.05	17.13		94.2	3
1266582	6.9	0.8	2.6	60.7	0.025	0.03	4.4	0.003	0.13	1.6	24	0.05	20.47		122.9	6.1
1266583	5.1	0.7	0.5	49.6	0.025	0.01	3	0.005	0.09	2.6	29	0.05	16.3		103	4.3
1266584	1.2	0.7	0.9	134.8	0.025	0.08	0.5	0.007	0.6	1.6	30	0.2	23.86		151.5	0.8
1266585	0.6	0.5	1.9	361.9	0.025	0.03	0.2	0.002	0.35	1.9	21	0.05	23.16		135	0.7
1266586	0.7	0.6	0.6	52.2	0.025	0.03	0.3	0.004	0.22	1	21	0.05	16.46		161.7	0.7
1266587	1.7	0.8	2.3	215.8	0.025	0.05	0.7	0.007	0.15	1	39	0.1	24.69		139.3	1.3
1266588	1.5	0.7	0.8	23.8	0.025	0.03	0.8	0.007	0.3	0.9	45	0.05	18.54		324.5	1.6
1266589	3.3	0.7	1.4	75	0.025	0.09	1.6	0.006	0.22	0.7	26	0.1	17.88		134.2	2.9
1266590	2.7	0.6	0.6	36.3	0.025	0.09	0.8	0.008	0.2	0.9	33	0.1	10.4		146.7	1.1
1266591	0.6	0.2	0.2	218.3	0.025	0.07	0.3	0.003	0.06	0.4	7	0.05	3.1		68.1	0.7
1266592	4.4	0.8	1	53.8	0.025	0.08	1.6	0.007	0.41	0.8	28	0.1	12.59		204.6	2.1
1266593																
1266594																
1266595	2.8	0.3	3	10.7	0.025	0.04	2.4	0.004	0.12	0.8	34	0.05	6.13		228.4	1.6
1266596	1.4	0.8	1.2	63.5	0.025	0.04	0.5	0.007	0.17	1.3	37	0.1	25.15		273.2	0.7
1266597	0.6	0.7	1.4	60.8	0.025	0.05	0.2	0.004	0.13	0.7	12	0.05	11.8		136.4	0.3
1266598	2.6	1.7	0.6	69.9	0.025	0.09	0.9	0.01	0.88	6.3	18	0.3	26.03		1050.5	1.1
1266599	3.1	1	2.5	37.8	0.025	0.08	1.4	0.009	0.3	2	39	0.1	23.9		336.2	2.5
1266600	2.5	0.9	1.8	24.4	0.025	0.03	1	0.007	0.32	1.9	43	0.05	26.42		845.8	2.1
1266601	4.7	0.5	2.1	22.5	0.025	0.01	3.9	0.002	0.22	1.6	35	0.05	14.34		95.2	7.9
1266602	3.3	0.4	1.1	8.9	0.025	0.05	3	0.003	0.26	1	52	0.05	8.88		121.1	8.2
1266603	4.1	0.6	2.5	36.9	0.025	0.01	2.9	0.002	0.35	1	66	0.05	10.49		129.2	9.8
1266604	4.6	0.5	0.9	46	0.025	0.01	3.3	0.002	0.29	1.2	42	0.05	13.59		107.1	8.8
1266605	4.2	0.3	1.8	37.9	0.025	0.01	3.5	0.002	0.26	0.8	36	0.05	11.2		81.3	7.4
1266606	3.4	0.4	1	20.5	0.025	0.01	3	0.005	0.25	0.9	45	0.05	9.57		79.1	6
1266607	1.5	0.5	0.6	38.6	0.025	0.01	0.8	0.005	0.36	1.1	24	0.05	7.43		187.1	0.7
1266608	2.1	0.7	0.8	24.1	0.025	0.03	1.4	0.006	0.39	1.4	33	0.1	12.24		532	2.2
1266609	1.3	0.8	2.4	19.7	0.025	0.01	0.7	0.007	0.34	1.6	31	0.05	9.35		904.6	1.2
1266610	0.9	0.3	1.1	53.1	0.025	0.06	0.6	0.005	1.65	2.4	10	0.05	7.12		991.6	0.8
1266611	0.9	0.3	2.9	53.1												

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1266620	BI	2011-08-27	UTM83-8	7129450	596345	1561	WH11001354	14	1.47	0.7	1	3	192.7	1.2	0.2	4.17	0.07	53.7	12.9	34.2	1.81	11.38	2.49	4.5	0.05	0.15	16	0.01	0.11	28.5	32.8	1.94	306	0.19	0.003	0.04	36.7	0.068	8.15	5	1	6.7	0.5	0.01	0.1	
1266621	BJ	2011-08-27	UTM83-8	7129496	596347	1563	WH11001354	20	1.47	3	0.7	2	92.4	0.9	0.19	8.33	0.13	31	12.1	34.6	0.73	17.75	2.54	4.6	0.05	0.14	20	0.01	0.09	16.6	32.9	1.41	274	0.21	0.002	0.08	36.1	0.064	10.19	5	1	5.5	0.5	0.01	0.08	
1266622	BI	2011-08-27	UTM83-8	7129550	596351	1557	WH11001354	19	1.76	2.6	2.6	5	71.6	1.2	0.28	1.94	0.13	27.7	13.6	42.2	0.76	27.96	2.89	5	0.05	0.15	35	0.05	0.11	13.3	43.7	1.38	310	0.32	0.007	0.17	45.2	0.068	15.06	5	1	6.7	0.5	0.04	0.15	
1266623	BI	2011-08-27	UTM83-8	7128701	595101	1328	WH11001354	46	0.96	5	0.9	5	77.6	0.6	0.26	0.49	0.29	45.8	7.4	15.9	0.76	12.95	1.67	2.8	0.05	0.05	46	0.02	0.12	21	14.2	0.31	1495	0.64	0.004	0.17	13.1	0.093	28.34	5	1	9.6	0.5	0.07	0.27	
1266624	BI	2011-08-27	UTM83-8	7128751	595099	1319	WH11001354	38	0.85	6.7	1	6	111.1	0.7	0.27	1.73	0.69	89.4	5.8	21.1	0.79	15.16	1.53	2.3	0.05	0.06	47	0.03	0.09	37.5	20.1	0.35	2346	0.78	0.006	0.22	11.3	0.129	39.7	5	1	9.3	0.5	0.1	0.31	
1266625	BI	2011-08-27	UTM83-8	7128802	595101	1313	WH11001354	63	0.57	7.6	0.8	4	101.5	0.3	0.2	0.8	0.15	61.8	5.3	11.7	0.52	10.09	1.59	1.6	0.05	0.02	28	0.03	0.06	15.8	16	0.33	1380	1.13	0.003	0.12	11	0.051	31.1	5	1	5.9	2	0.05	0.27	
1266626	BI	2011-08-27	UTM83-8	7128851	595100	1308	WH11001354	82	0.76	6.1	2.1	5	225.9	0.9	0.22	2.72	0.24	22.8	6.9	14.9	0.98	32.83	1.41	2.1	0.05	0.02	89	0.02	0.05	14.3	7.7	0.21	1453	0.83	0.005	0.27	11	0.169	21.96	5	1	6.2	0.5	0.18	0.33	
1266627	BJ	2011-08-27	UTM83-8	7128900	595100	1295	WH11001354	64	0.91	7.3	1.2	1	91.1	0.5	0.41	0.17	0.21	10.3	11.8	21.4	2.32	20.85	3.17	5.8	0.05	0.01	19	0.03	0.15	4.8	7.6	0.19	1090	0.95	0.006	0.34	12.4	0.047	22.94	5	1	16.6	0.5	0.04	0.34	
1266628	BI	2011-08-27	UTM83-8	7128951	595099	1289	WH11001354	175	0.28	14.5	0.5	3	41	0.5	0.13	9.7	3.65	7.8	5.5	6.5	1.53	12.79	1.93	0.9	0.05	0.01	1159	0.01	0.09	3.9	3.4	7.02	1085	2.49	0.009	0.08	9.8	0.061	368.97	5	1	5.3	0.5	0.07	1.27	
1266629	BI	2011-08-27	UTM83-8	7129001	595098	1288	WH11001354	129	0.34	15.4	0.3	5	38.9	0.4	0.07	8.84	2.49	9.3	3.2	8	0.46	6.69	2.35	1	0.05	0.01	6236	0.01	0.05	5.4	2.2	6.13	824	6.22	0.01	0.11	7.8	0.118	270.51	5	1	3.9	0.5	0.06	2.22	
1266630	BI	2011-08-27	UTM83-8	7129048	595097	1290	WH11001354	157	0.16	19	0.1	3	18.1	0.2	0.06	8.98	1.1	4	2.1	3.7	0.86	4.42	3.8	0.5	0.05	0.01	16828	0.01	0.04	2	1	6.58	932	2.86	0.006	0.04	3.6	0.058	204.31	5	1	2.7	0.5	0.03	2.83	
1266631	BI	2011-08-27	UTM83-8	7129103	595099	1294	WH11001354	179	0.69	14.3	5.7	7	40.2	0.8	0.35	5.43	0.36	32.2	7.4	14	1.9	27.24	1.65	1.7	0.05	0.04	262	0.01	0.12	17.4	13	0.26	252	1.82	0.007	0.22	18.4	0.108	30.72	5	1	10.1	0.5	0.11	0.89	
1266632	BI	2011-08-27	UTM83-8	7129152	595098	1285	WH11001354	147	0.8	18.4	5.9	7	47.7	0.8	0.21	2.97	0.76	30	9.9	18.6	2.88	28.19	2.29	2.3	0.05	0.06	258	0.03	0.17	15.4	12.3	0.73	385	1.41	0.006	0.2	23.9	0.079	30.54	5	1	10.9	0.5	0.08	1.13	
1266633	BJ	2011-08-27	UTM83-8	7129200	595100	1304	WH11001354	116	1.03	12.1	2.8	3	74.1	0.9	0.23	2.21	0.28	34.6	11.9	28	1.86	28.26	2.42	3.2	0.05	0.06	518	0.03	0.12	16.1	20.2	1.51	500	0.81	0.008	0.31	23.9	0.058	26.52	5	1	9.7	1	0.04	0.76	
1266634	BI	2011-08-27	UTM83-8	7129249	595100	1317	WH11001354	159	1.28	10.5	3	6	82.2	1	0.23	1.32	0.31	34	9.4	32.6	3	28.54	2.42	4.1	0.05	0.08	262	0.03	0.16	18.5	25.4	0.88	291	0.82	0.007	0.44	25.3	0.067	19.87	5	1	13.7	0.5	0.08	0.71	
1266635	BI	2011-08-27	UTM83-8	7129298	595101	1306	WH11001354	79	1.77	5	4.4	6	125.2	1.1	0.26	1.31	0.29	48.6	11.7	41.2	6.76	52.89	2.62	5.3	0.05	0.12	106	0.03	0.17	25.1	37.4	1.71	494	0.57	0.007	0.39	25.6	0.08	25.6	5	1	15.5	0.5	0.07	0.34	
1266636	BI	2011-08-27	UTM83-8	7129350	595100	1304	WH11001354	52	1.36	2.1	3.9	4	85.7	1	0.2	0.88	0.23	51.4	9.7	39.4	3.31	27.72	2.54	4	0.05	0.08	73	0.04	0.14	28	25.9	1.28	230	0.52	0.005	0.22	27.1	0.06	16.31	5	1	12.2	0.5	0.06	0.22	
1266637	BI	2011-08-27	UTM83-8	7129401	595097	1299	WH11001354	75	1.87	7	4.3	5	192.3	1.1	0.22	1.26	0.2	50.8	12.1	46.5	4.53	40.64	2.6	5.6	0.05	0.11	92	0.04	0.15	26.7	43.2	2.27	322	0.65	0.006	0.28	29.2	0.059	21.85	5	1	13.6	0.5	0.04	0.36	
1266638	BI	2011-08-27	UTM83-8	7129450	595101	1264	WH11001354	49	1.03	4	2.7	7	333.2	0.9	0.17	2.39	0.38	32.5	9.2	30.9	2.46	26.69	1.79	3	0.05	0.1	98	0.02	0.11	16.8	20.4	1.21	400	0.94	0.007	0.28	23.9	0.085	13.52	5	1	8.9	0.5	0.11	0.42	
1266639	BJ	2011-08-27	UTM83-8	7129499	595099	1255	WH11001354	46	1.56	5.5	2.5	5	159.5	0.7	0.22	1.47	0.43	40.1	8.5	35	2.28	31.76	2.01	4.3	0.05	0.11	48	0.03	0.1	21.7	31.1	1.52	174	0.44	0.005	0.26	24	0.067	24.47	5	1	9.2	0.5	0.09	0.24	
1266640	BI	2011-08-27	UTM83-8	7129550	595097	1257	WH11001354	66	1.26	6	1.8	6	186.8	1	0.29	2.59	0.36	32.5	10.9	31	4.99	25.78	2.46	3.6	0.05	0.11	94	0.04	0.12	16.3	23.4	0.81	479	0.56	0.008	0.31	30.9	0.074	30.16	5	1	11.5	1	0.09	0.34	
1266641	BI	2011-08-28	UTM83-8	7127801	596099	1656	WH11001355	21	0.67	1.6	0.1	9	309.7	0.8	0.12	11.88	0.1	22.8	9.6	12.1	0.74	12.24	2.31	1.8	0.05	0.11	2.5	0.03	0.22	8.8	4.7	0.26	434	0.68	0.004	0.29	19.9	0.049	13.79	5	1	10.9	0.5	0.04	0.05	
1266642	BI	2011-08-28	UTM83-8	7127849	596101	1661	WH11001355	17	0.58	1.7	0.1	9	202.2	1	0.1	14.34	0.07	26.2	10.2	13	0.71	11.91	2.36	1.5	0.05	0.07	2.5	0.04	0.18	11.2	5.2	1	320	1.03	0.008	0.2	21.8	0.046	7.71	5	1	8.4	0.5	0.01	0.1	
1266643	BI	2011-08-28	UTM83-8	7127902	596099	1669	WH11001355	14	0.43	1.5	0.1	7	120.8	0.6	0.06	25.21	0.03	25.2	6.4	9.7	0.54	8.16	1.56	1.2	0.05	0.05	2.5	0.02	0.14	11.1	4.1	0.28	237	0.51	0.005	0.1	16.4	0.039	7.76	5	1	6.3	0.5	0.01	0.04	
1266644	BI	2011-08-28	UTM83-8	7127953	596100	1672	WH11001355	9	0.39	2	0.1	7	104.5	0.7	0.07	19.73	0.02	23.6	8.7	7.5	0.75	8.78	1.65	1.1	0.05	0.1	2.5	0.02	0.15	10.9	4.8	0.83	215	0.72	0.006	0.06	19.7	0.04	9.53	5	1	6.8	1	0.01	0.06	
1266645	BI	2011-08-28	UTM83-8	7128001	596098	1673	WH11001355	14	0.47	1.8	0.1	7	100	0.8	0.09	16.72	0.05	24.6	8.6	9.1	1.27	11.09	1.89	1.3	0.05	0.08	2.5	0.02	0.17	10.8	5.5	0.7	275	0.8	0.006	0.07	20.8	0.048	8.55	5	1	9.1	0.5	0.01	0.04	
1266646	BI	2011-08-28	UTM83-8	7128050	596099	1680	WH11001355	15	0.46	1.7	0.1	7	142.4	0.8	0.09	19.66	0.04	27.6	8.6	10.3	0.65	11.54	2.1	1.3	0.05	0.07	2.5	0.03	0.14	12.3	6	0.63	294	0.6	0.007	0.11	16.7	0.056	8.2	5	1	6.7	0.5	0.01	0.04	
1266647	BI	2011-08-28	UTM83-8	7128104	596097	1682	WH11001355	15	0.45	2.1	0.1	6	112.3	0.9	0.08	20.45	0.04	29	9.1	10.4	0.87	10.31	1.99	1.4	0.05	0.07	2.5	0.03	0.15	13	5.4	0.66	305	0.68	0.007	0.07	18.9	0.052	8.41	5	1	7.1	0.5	0.01	0.05	
1266648	BI	2011-08-28	UTM83-8	7128152	596099	1680	WH11001355	35	0.69	2.9	0.1	9	155.1	1.3	0.15	7.28	0.08	35.1	12.7																											

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1266620	3.7	0.4	2	63.5	0.025	0.01	9.2	0.005	0.04	0.9	13	0.05	10.93		75.5	10.1
1266621	3.8	0.5	3.2	152.1	0.025	0.01	7.4	0.004	0.04	1.4	13	0.05	12.07		69.4	7.2
1266622	4.3	0.1	2	45.7	0.025	0.01	5.7	0.003	0.06	1.4	16	0.05	12.62		93.8	5.6
1266623	2.1	0.1	2.1	12.7	0.025	0.01	1.9	0.002	0.1	0.7	17	0.05	13.88		76.6	1.3
1266624	1.5	0.2	2.7	25.9	0.025	0.02	2.3	0.003	0.09	1.2	21	0.05	19.99		152.5	1.9
1266625	1.5	0.2	2.3	14.7	0.025	0.01	2	0.0005	0.07	1.3	14	0.05	8.5		47	1.2
1266626	0.9	0.8	1.8	35.8	0.025	0.01	0.3	0.003	0.08	8.1	14	0.05	13.53		52.9	0.9
1266627	1.6	0.05	6.2	8.7	0.025	0.03	1.7	0.003	0.11	0.7	27	0.05	3.86		91.2	0.2
1266628	1.3	0.3	2.8	82.4	0.025	0.01	1.1	0.001	0.54	1.5	7	0.05	4.52		870.7	0.6
1266629	0.9	0.5	1.8	161.5	0.025	0.01	0.5	0.002	1.45	3.3	13	0.05	6.27		1880.5	0.7
1266630	0.8	0.4	0.5	53.3	0.025	0.01	0.7	0.001	2.83	1.4	7	0.05	3.23		1333.3	0.5
1266631	1	0.9	8.6	226.3	0.025	0.01	0.7	0.001	0.28	10.2	13	0.05	10.41		80.6	2.5
1266632	2.8	0.6	3.5	113.8	0.025	0.01	1.8	0.002	0.5	3.5	19	0.05	10.64		208.3	3.7
1266633	4.3	1.1	3.7	60	0.025	0.01	4.5	0.004	0.23	1.6	25	0.05	8.8		96.4	2.6
1266634	3.6	1.1	1.4	55.2	0.025	0.01	2	0.005	0.42	2.5	29	0.05	13.14		108.6	3.2
1266635	5.2	1.1	5.3	45.4	0.025	0.01	3.2	0.007	0.16	1.5	29	0.05	17.21		106.4	3.6
1266636	7	1.5	1.5	30.5	0.025	0.01	4.1	0.003	0.14	1.8	22	0.05	15.5		98.8	3
1266637	5.4	1.1	4.7	37	0.025	0.02	4.6	0.004	0.19	1.5	30	0.05	16.53		94.4	4.8
1266638	3.4	1	2	67	0.025	0.01	2.3	0.003	0.16	2.7	18	0.05	12.37		93.6	5
1266639	3.5	0.5	3.1	39.8	0.025	0.01	2.9	0.002	0.1	1.2	19	0.05	12.02		111.3	5.1
1266640	4.7	0.5	8.2	76	0.025	0.02	2.5	0.005	0.11	2.9	15	0.05	12.11		119.3	4.1
1266641	3	0.2	0.6	258.9	0.025	0.01	2.2	0.002	0.18	0.5	9	0.05	11.05		78.9	4.6
1266642	3.5	0.3	0.6	593.4	0.025	0.01	2.5	0.001	0.21	0.6	17	0.05	9.48		63.8	4.7
1266643	2.7	0.4	0.5	1048.8	0.025	0.01	1.8	0.001	0.11	0.4	7	0.05	7.82		26.7	3
1266644	3.4	0.2	0.3	892.1	0.025	0.01	3.5	0.001	0.06	0.5	5	0.05	7.08		32.9	7.7
1266645	3.4	0.2	0.8	751	0.025	0.01	3.3	0.001	0.15	0.7	11	0.05	8.5		58.3	6.6
1266646	3.6	0.2	0.4	882.6	0.025	0.01	2.7	0.001	0.06	0.6	7	0.05	10.06		52.5	4.6
1266647	3.8	0.2	0.6	948.8	0.025	0.01	3	0.001	0.09	0.6	9	0.05	9.64		46.9	5.7
1266648	3.3	0.4	1	315.7	0.025	0.01	1.8	0.001	0.17	0.6	12	0.05	11.29		67.4	6.5
1266649	3.4	0.3	0.7	702.9	0.025	0.01	2.6	0.001	0.08	0.7	11	0.05	11.72		53.8	4.2
1266650	6.1	0.4	1.6	99.5	0.025	0.01	3.4	0.002	0.51	1	45	0.05	15.98		88.4	8.5
1266651	3	0.3	1.7	10.1	0.025	0.03	4.2	0.007	0.11	1.2	38	0.1	6.81		82	0.6
1266652	2.7	0.3	1.4	9.4	0.025	0.03	2.7	0.009	0.16	0.9	46	0.2	5.6		92.9	0.4
1266653	2.4	0.3	2	9.6	0.025	0.04	1.5	0.007	0.13	1	42	0.1	4.79		80.9	0.2
1266654	3.5	0.3	3.3	9.5	0.025	0.05	2.8	0.007	0.12	1.9	42	0.2	6.24		67.4	0.3
1266655	4.6	0.05	3.5	18.5	0.025	0.05	6.7	0.006	0.14	1.1	27	0.1	4.77		85.7	0.3
1266656	1.9	0.4	1.6	8.2	0.025	0.07	2.6	0.015	0.14	0.7	55	0.1	2.67		74.1	0.3
1266657	2	0.05	1.5	25.5	0.025	0.05	3.8	0.0005	0.22	0.2	6	0.05	3.33		26.1	0.9
1266658	1.6	0.4	2.6	8.9	0.025	0.04	0.8	0.009	0.15	0.9	47	0.1	4.75		108.2	0.2
1266659	3.8	0.3	2.8	5.8	0.025	0.1	4.2	0.007	0.15	0.7	35	0.05	3.97		107.4	0.7
1266660	0.9	0.3	1.6	50.3	0.025	0.01	0.5	0.003	0.13	0.9	13	0.05	5.54		602.9	0.3
1266661	2.6	0.05	1.2	5.8	0.025	0.04	2.3	0.0005	0.17	0.3	9	0.05	3.3		26.7	0.9
1266662	1	0.6	1.1	41.5	0.025	0.01	0.5	0.004	1.33	1.1	11	0.05	5.55		3895.4	0.6
1266663	0.7	0.8	0.4	42.9	0.025	0.01	0.6	0.001	3.87	1.3	3	0.05	3.69	2.17	10000	0.4
1266664	1.5	0.9	2.7	44.5	0.025	0.01	1	0.006	3.01	2.2	16	0.05	8.49	1.17	10000	0.6
1266665	1.8	0.6	1	14.6	0.025	0.04	0.9	0.012	1.34	3.2	44	0.1	10.93		3084.7	0.7
1266666	2.7	0.6	1	10.8	0.025	0.09	1.6	0.013	1.16	3.2	47	0.1	17.39		1512.8	1.6
1266667	2.5	0.9	1.2	17.4	0.025	0.06	1.4	0.009	1.11	5.2	39	0.05	16.03		2717.6	1.7
1266668	2.4	0.2	9.7	16.8	0.025	0.04	1.2	0.003	0.37	0.9	26	0.05	4.6		554	1.2
1266669	3.2	0.2	0.9	12.6	0.025	0.04	2.1	0.004	0.42	0.8	23	0.05	6		1287.2	1
1266670	3.5	0.5	1.3	7.4	0.025	0.05	3.4	0.003	7.73	3	23	0.05	13.38		2292.3	1.8
1266671	2.5	0.3	0.9	12.2	0.025	0.04	1.7	0.011	0.43	1	52	0.1	5.13		239.4	0.8
1266672	2.8	0.2	2.5	11.8	0.025	0.05	1.8	0.009	0.22	1.3	55	0.1	3.75		252.7	0.5
1266673	2.3	0.2	1.8	21.4	0.025	0.07	3.6	0.002	0.15	0.8	28	0.05	4.36		149.6	1.5
1266674	2.5	0.2	1.6	7.4	0.025	0.07	3.9	0.0005	0.11	0.5	29	0.05	4.09		84	1.4
1266675	4.5	0.2	1.4	22.8	0.025	0.08	3.1	0.002	0.23	1.6	28	0.05	17.62		81.4	2.2
1266676	2.6	0.7	1.9	75.9	0.025	0.03	1.4	0.005	0.2	7.6	27	0.05	12.46		113.7	2.5
1266677	2.9	0.3	1.8	25.8	0.025	0.05	1.9	0.013	0.16	3	57	0.1	4.73		90.2	0.9
1266678	4	0.2	1.5	24	0.025	0.04	3.2	0.008	0.16	5.8	57	0.05	7.61		138.6	1.8
1266679	2.9	0.1	1.7	17.2	0.025	0.01	5	0.005	0.16	1.1	58	0.05	3.73		91	5.4
1266680																
1266681	4.3	0.6	0.8	51.9	0.025	0.03	2.9	0.006	0.08	4.4	39	0.05	10.34		87	4.5
1266682	2.5	0.6	0.3	87.4	0.025	0.02	2.2	0.002	16.14	3.7	9	0.05	8.13		5712.7	2.6
1266701	3.9	0.5	4.1	98.8	0.025	0.07	2.2	0.008	0.66	0.8	32	0.1	15.84		89.4	1.3
1266702	3.3	0.4	0.7	20.8	0.025	0.06	1.5	0.009	0.3	0.9	44	0.2	12.97		212.8	0.5
1266703	1.9	0.5	0.9	19.2	0.025	0.05	0.8	0.013	0.19	0.9	43	0.2	10.29		368.4	0.5
1266704	3.5	0.6	0.9	77.9	0.025	0.06	0.9	0.007	0.38	1	42	0.1	13.94		666.5	0.7
1266705	2.1	0.5	11.1	7.2	0.025	0.05	0.8	0.017	0.13	0.7	47	0.2	3.38		89.4	0.3
1266706	2.3	0.5	2.8	7.7	0.025	0.03	0.9	0.017	0.13	0.7	46	0.1	3.42		89.9	0.2
1266707	2.5	0.4	10.1	8	0.025	0.07	1.3	0.013	0.14	0.5	53	0.05	2.85		129.9	0.3
1266708	2.6	0.4	7	7.9	0.025	0.04	1.6	0.008	0.13	0.5	52	0.1	2.98		132.3	0.5
1266709	3.2	0.4	0.7	17.9	0.025	0.06	2.3	0.017	0.3	1.5	47	0.2	15.4		96.8	0.8
1266710	2.7	0.5	1.3	26.4	0.025	0.08	2	0.011	0.27	2.2	39	0.1	12.69		100.3	1.2
1266711	1.5	0.3	0.7	13.9	0.025	0.04	0.6	0.01	0.28	1.2	50	0.1	4.61		60.5	0.3
1266712	3.3	0.4	1.3	13.1	0.025	0.23	1.9	0.002	0.25	1.1	29	0.05	10.09		89.8	2.6
1266713	1	0.2	0.8	4	0.025	0.04	1	0.002	0.18	0.5	18	0.05	3.52		43.6	1
1266714	3.2	0.5	1	14.9	0.025	0.07	1.8	0.015	0.36	2.5	53	0.1	14.68		119.2	0.9
1266715	3.7	0.7	0.8	18.5	0.025	0.04	2.9	0.0005	0.61	1.8	54	0.05	8.83		167.9	2.2
1266716	3	0.5	1	38.8	0.025	0.05	1.7	0.01	0.21	2.2	39	0.05	13.67		104.8	1.3
1266717	1.2	0.4	0.7	11.6	0.025	0.04	0.5	0.018	0.21	0.6	57	0.2	3.78		70.1	0.05
1266718	1.2	0.4	19.6	10.7	0.025	0.04	0.4	0.008	0.13	0.7	29	0.05	6.69		61.6	0.05
1266719	3.7	1.6	1.7	37.1	0.025	0.08	2.1	0.004								

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1266729	AJ	2011-08-28	UTM83-8	7128601	595347	1319	WHI11001355	54	1.07	8.9	1.6	4	180.2	1.2	0.37	0.27	0.07	14	12.7	20.6	7.56	41.14	3.32	3.4	0.05	0.05	33	0.04	0.16	6.4	14.5	0.26	532	0.9	0.004	0.3	25.4	0.046	28.29	5	1	16.6	0.5	0.05	0.33	
1266730	AJ	2011-08-28	UTM83-8	7128650	595350	1328	WHI11001355	20	1.58	11.4	1.2	0.5	70.4	0.6	0.4	0.03	0.06	15	15.5	29.1	2.75	14.86	4.06	7.5	0.05	0.01	27	0.04	0.09	6.7	18.6	0.23	1498	1.28	0.003	0.58	14.6	0.036	29.58	5	1	17.4	1	0.01	1.05	
1266731	AJ	2011-08-28	UTM83-8	7128699	595349	1333	WHI11001355	67	0.85	14.1	2.6	3	109.2	1.1	0.25	9.42	0.27	19.9	8.4	19.1	1.14	14.92	2.1	2.1	0.05	0.05	341	0.05	0.07	9.3	9.1	5.29	1125	1.91	0.006	0.21	17.7	0.097	43.45	5	1	7.3	0.5	0.01	1.05	
1266732	AJ	2011-08-28	UTM83-8	7128749	595349	1334	WHI11001355	93	1.11	6.5	1.8	4	158.5	1	0.36	0.53	0.94	20.6	12.2	21.6	3.59	37.05	3.27	3.8	0.05	0.09	610	0.03	0.18	9.2	14.4	0.28	684	1.03	0.003	0.48	27.5	0.072	49.68	5	1	16.8	0.5	0.06	0.57	
1266733	AJ	2011-08-28	UTM83-8	7128802	595346	1330	WHI11001355	106	1.67	12.4	1.1	3	187.6	1.3	0.34	0.96	0.48	28.2	10	30.2	1.87	15.68	3.12	5	0.05	0.07	287	0.03	0.1	13.3	18.1	0.63	942	1.36	0.005	0.56	24.5	0.202	32.89	5	1	13.2	0.5	0.04	0.74	
1266734	AJ	2011-08-28	UTM83-8	7128850	595349	1331	WHI11001355	262	1.19	18.7	2.7	3	144.6	1	0.3	1.31	2.76	17.6	9.4	20	1.94	19.43	3.11	3.9	0.05	0.08	4810	0.03	0.11	9.6	8.6	0.67	843	1.22	0.003	0.39	22.4	0.108	219.07	5	1	11	0.5	0.06	0.72	
1266735	AJ	2011-08-28	UTM83-8	7128900	595347	1336	WHI11001355	84	1.36	12.6	0.1	3	143.7	0.9	0.31	0.75	0.8	28.7	8.9	24.6	1.67	12.85	3.06	4.7	0.05	0.05	214	0.04	0.13	12.9	12.9	0.36	596	2.05	0.003	0.56	19.5	0.115	50.28	5	1	15.9	0.5	0.06	0.81	
1266736	AJ	2011-08-28	UTM83-8	7128948	595347	1359	WHI11001355	289	0.86	13.1	0.3	5	144	1	0.27	3.09	1.17	13.7	8.1	11.2	2.66	19.21	2.94	2.2	0.05	0.09	1239	0.04	0.09	6.6	4.7	1.43	809	0.95	0.004	0.24	18	0.116	157.27	5	1	8.5	0.5	0.1	0.9	
1266737	AJ	2011-08-28	UTM83-8	7128999	595349	1359	WHI11001355	168	1.26	8.2	0.1	8	184.8	1.1	0.21	2.52	0.28	38.1	10.9	23.4	1.22	17.88	2.79	3.5	0.05	0.06	193	0.03	0.14	15.9	11.7	0.84	601	1.77	0.003	0.45	26.6	0.113	31.16	5	1	11.1	0.5	0.08	0.42	
1266738	AJ	2011-08-28	UTM83-8	7129049	595346	1349	WHI11001355	146	0.9	9.2	0.3	8	93.5	0.8	0.19	4.7	0.51	28	8.7	19.1	1.16	14.73	2.43	2.4	0.05	0.09	2446	0.01	0.14	14.3	8.4	2.49	378	1.57	0.006	0.3	21.7	0.109	35.13	5	1	10.3	0.5	0.06	0.45	
1266739	AJ	2011-08-28	UTM83-8	7129100	595348	1336	WHI11001355	155	1.02	8.2	0.3	5	195.1	1.1	0.2	2.17	0.52	22.5	7.3	17.9	0.95	16.18	2.25	2.9	0.05	0.08	403	0.04	0.09	11.8	7.5	0.35	379	1.36	0.005	0.42	16.4	0.147	35.66	5	1	8.4	0.5	0.16	0.46	
1266740	AJ	2011-08-28	UTM83-8	7129150	595350	1339	WHI11001355	105	1.53	8	5.3	5	92	1	0.2	1.87	0.55	39.5	9.4	30.1	1.25	28.77	2.41	4.7	0.05	0.08	834	0.03	0.13	21.9	33.8	1.24	415	0.75	0.003	0.39	23	0.094	28.83	5	1	12.3	0.5	0.1	0.34	
1266741	AJ	2011-08-28	UTM83-8	7129198	595347	1335	WHI11001355	192	1.33	10.9	3.6	4	158.4	1.1	0.24	1.41	0.62	38	10.7	29.1	1.15	28.72	2.69	4	0.05	0.06	195	0.03	0.09	22.9	19.5	0.64	565	0.92	0.004	0.5	25.2	0.09	37.96	5	1	9.8	0.5	0.07	0.73	
1266742	AJ	2011-08-28	UTM83-8	7129249	595348	1313	WHI11001355	127	2	8.6	3.4	4	153.9	1.1	0.24	1	0.42	42.4	10.2	44.5	2.47	36.74	2.66	6.4	0.05	0.1	112	0.04	0.1	25.1	49.6	1.91	392	0.65	0.003	0.44	26.5	0.09	21.27	5	1	13.9	0.5	0.08	0.41	
1266743	AJ	2011-08-28	UTM83-8	7129300	595349	1296	WHI11001355	103	1.35	8.5	0.3	3	171.6	0.8	0.3	1.56	0.35	16.6	7.1	20.8	1.19	14.03	2.62	4.5	0.05	0.08	3646	0.03	0.1	9.9	16.2	0.53	516	1.3	0.003	0.56	16.6	0.084	63.65	5	1	12.4	0.5	0.06	0.47	
1266744	AJ	2011-08-28	UTM83-8	7129350	595349	1274	WHI11001355	101	1.32	9.3	1.2	5	132.8	1.2	0.34	0.67	0.38	26.9	12.3	25.9	1.31	21.79	3.19	4	0.05	0.15	990	0.03	0.17	15	20.2	0.45	587	1.35	0.002	0.45	28.3	0.059	41.38	5	1	13.4	0.5	0.03	0.45	
1266745	AJ	2011-08-28	UTM83-8	7129399	595350	1251	WHI11001355	103	1.4	9.5	2.4	5	115.4	1.1	0.27	3.34	0.36	29.6	10.7	27	1.64	25.95	2.49	4.1	0.05	0.12	621	0.03	0.13	14.9	26.8	2.39	558	0.93	0.004	0.34	24.4	0.075	34.24	5	1	10.7	0.5	0.03	0.4	
1266746	AJ	2011-08-28	UTM83-8	7129449	595349	1234	WHI11001355	122	0.7	14.5	1.3	6	60.5	0.9	0.33	0.93	0.27	29.5	13	21.2	3.38	32.34	2.9	2.8	0.05	0.08	107	0.03	0.17	13.7	10.9	0.5	504	0.71	0.003	0.12	26.6	0.08	25.01	5	1	11.9	0.5	0.05	0.94	
1266747	AJ	2011-08-28	UTM83-8	7129500	595350	1227	WHI11001355	103	1.58	6.8	3.2	4	270.5	1.2	0.25	1.06	0.25	41.7	10.7	35.1	1.44	31.56	2.64	4.9	0.05	0.15	75	0.04	0.11	22.1	31	1.18	285	0.44	0.001	0.29	27	0.082	29.04	5	1	10.8	0.5	0.07	0.43	
1266748	AJ	2011-08-28	UTM83-8	7129553	595351	1217	WHI11001355	159	1.33	10.9	1.1	4	149.6	1.2	0.3	0.73	0.45	36.9	12.3	27.6	2.01	32.94	2.98	4.1	0.05	0.15	536	0.04	0.12	15.2	23.6	0.63	920	1.43	0.003	0.31	33.8	0.127	42.91	5	1	10.8	0.5	0.04	0.66	
1266751	BI	2011-08-28	UTM83-8	7128301	596099	1689	WHI11001355	303	1.53	5.1	0.8	8	174.9	2	0.23	0.71	0.35	52	13.2	25.4	2.88	22.92	3.45	4.5	0.05	0.1	50	0.04	0.29	23.8	14.8	0.29	435	1.88	0.005	0.6	36.8	0.093	25.61	5	1	21.8	1	0.07	0.56	
1266752	BI	2011-08-28	UTM83-8	7128399	596100	1690	WHI11001355	293	0.94	8.5	0.6	6	69.4	1	0.23	0.23	0.16	46.2	15.3	24	2.75	23.4	2.63	2.8	0.05	0.06	40	0.04	0.18	17.2	15.5	0.35	608	2.43	0.004	0.11	31.9	0.054	40.72	5	1	12.8	0.5	0.03	0.52	
1266753	BI	2011-08-28	UTM83-8	7128451	596098	1664	WHI11001355	100	0.93	2	0.4	6	77.5	0.8	0.19	1.29	0.14	37	5.6	16.4	1.28	14.05	1.51	2.9	0.05	0.07	47	0.01	0.14	22.4	14.1	0.34	438	0.49	0.006	0.26	12.1	0.112	15.8	5	1	11.3	0.5	0.09	0.25	
1266754	BI	2011-08-28	UTM83-8	7128504	596098	1652	WHI11001355	28	2.03	20.6	1.3	2	186.1	1.8	0.51	0.03	0.08	22.3	31.5	31.6	5.58	4.7	4.37	6.5	0.05	0.07	24	0.05	0.13	7.7	51	0.57	3561	1.13	0.006	0.23	33.4	0.052	28.88	5	1	15.2	0.5	0.01	0.35	
1266755	BI	2011-08-28	UTM83-8	7128550	596099	1655	WHI11001355	67	1.83	20.2	2.1	2	273.3	1.6	0.56	0.05	0.1	21.4	38.4	29.3	5.2	47.69	4.31	6.4	0.05	0.05	36	0.04	0.12	6.3	53.1	0.57	4938	1.16	0.007	0.18	36.4	0.039	72.86	5	1	13.8	0.5	0.01	0.37	
1266756	BI	2011-08-28	UTM83-8	7128600	596099	1658	WHI11001355	26	1.63	4.8	2.1																																			

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1266729	5.2	0.1	2.7	14.3	0.025	0.03	3.1	0.003	0.19	1.5	19	0.05	12.77		94.1	1.4
1266730	2.3	0.4	2.8	4.8	0.025	0.06	3.1	0.008	0.14	0.6	41	0.1	3.29		58	0.6
1266731	3.4	0.3	1.4	206.2	0.025	0.03	3	0.004	0.57	2.5	22	0.1	10.64		100	1.7
1266732	4.6	0.4	2	17.9	0.025	0.03	2.8	0.005	0.21	1.4	24	0.05	11.76		330.5	2.1
1266733	3.3	0.4	1.2	29	0.025	0.08	2.3	0.011	0.2	1.7	39	0.2	11.13		310.2	1.4
1266734	3.3	0.6	1.2	28.6	0.025	0.03	2	0.004	0.39	1.6	27	0.05	9.64		1083	2.1
1266735	2.6	0.5	1.3	19.4	0.025	0.03	1.6	0.006	0.29	1.8	39	0.1	9.37		325.5	1.3
1266736	2.2	0.5	0.8	33.7	0.025	0.06	1.6	0.003	0.59	2	17	0.05	10.23		765.1	2.7
1266737	2.2	0.6	2.1	46.5	0.025	0.03	1	0.004	0.21	2.2	31	0.05	14.74		107.4	2.7
1266738	2.5	0.4	1.1	42.4	0.025	0.04	1.4	0.004	0.23	1.6	25	0.05	13.27		168.2	3.1
1266739	1.8	0.7	0.5	45.6	0.025	0.06	0.9	0.003	0.21	3.6	26	0.05	11.45		136.5	3
1266740	3.1	0.8	2	52.7	0.025	0.04	1.6	0.005	0.15	5	36	0.05	13.96		109.5	3
1266741	2.8	1	0.7	44.7	0.025	0.03	1.3	0.009	0.14	3.5	36	0.1	15.72		118.4	1.9
1266742	3.6	1.8	0.9	39	0.025	0.03	1.8	0.01	0.16	7.4	38	0.05	19.31		126.6	3.2
1266743	2.5	0.6	1.1	42.4	0.025	0.06	1.8	0.003	0.19	1.8	33	0.05	8.94		189.5	2.1
1266744	4	0.4	0.8	16	0.025	0.05	3.9	0.004	0.18	1.4	32	0.05	12.84		152.3	4.5
1266745	3.8	0.7	1.4	34.6	0.025	0.01	3.3	0.006	0.15	1.8	28	0.05	12.83		132.2	3.7
1266746	4.2	0.7	1.1	39.8	0.025	0.07	3.9	0.002	0.22	2.5	21	0.05	13.2		112.6	2.9
1266747	4.2	1.2	0.5	33.2	0.025	0.03	3.2	0.004	0.16	2.2	25	0.05	15.12		125	4.7
1266748	4.6	0.7	1	28.2	0.025	0.05	4	0.005	0.17	3.3	28	0.05	15.9		197.2	4.6
1266751	4	0.7	1.8	35.8	0.025	0.04	2	0.002	0.33	1.2	47	0.05	18.1		107.6	5.2
1266752	3.6	0.3	3	10.8	0.025	0.01	3.8	0.002	0.17	0.9	15	0.05	18.09		98	2.3
1266753	1.7	0.2	1.4	22.5	0.025	0.01	1.1	0.003	0.1	0.9	15	0.05	17.92		60.7	2.1
1266754	5.8	0.2	1.2	11.9	0.025	0.04	4.7	0.005	0.12	1.4	37	0.1	7.7		101.1	2.8
1266755	5.7	0.1	5.7	17.7	0.025	0.05	4.9	0.005	0.19	1.3	28	0.05	8.12		93.8	2.6
1266756	5.3	0.05	3.1	9.5	0.025	0.03	5.8	0.007	0.14	1	27	0.05	8.55		85.8	2.1
1266757	4.7	0.05	2.1	11.9	0.025	0.01	5.1	0.005	0.15	1	24	0.05	8.27		80.8	1.7
1266758	1	0.3	1.5	26.3	0.025	0.01	0.4	0.005	0.18	1	21	0.05	6.56		204.2	0.6
1266759	0.4	0.4	1.4	43.3	0.025	0.01	0.2	0.006	0.21	1.6	13	0.05	3.92		497.6	0.8
1266760	0.4	0.3	1.3	63.2	0.025	0.01	0.3	0.002	1.69	1.5	5	0.05	3.49		2411.8	0.5
1266761	0.3	0.3	3.6	80.3	0.025	0.01	0.2	0.001	1.11	1.2	5	0.05	2.9		1715.2	0.4
1266762	0.5	0.6	1.7	97.2	0.025	0.01	0.3	0.002	1.86	1.6	5	0.05	4.32		3235.7	0.5
1266763	1.1	0.5	1.5	33.5	0.025	0.04	0.5	0.002	1.19	1.6	12	0.05	6.61		1493.4	1.1
1266764	0.6	0.4	1.3	82.3	0.025	0.01	0.4	0.002	1.14	1.5	5	0.05	3.81		1901.4	0.6
1266765	2.6	0.5	1.5	57.3	0.025	0.01	1.9	0.003	1.15	2.4	17	0.05	9.31		1260.9	1.4
1266766	3.4	1.1	0.7	50.6	0.025	0.03	2.6	0.002	0.43	6.2	18	0.05	11.35		440.4	6
1266767	3.6	0.9	1.1	38.6	0.025	0.01	1.7	0.004	0.19	5.3	27	0.05	16.63		149.2	3.8
1266768	3.4	0.8	0.6	31.5	0.025	0.02	2.7	0.002	0.22	3.6	18	0.05	12.42		332.4	3
1266769	4.2	0.8	2.2	95.6	0.025	0.01	6.7	0.003	0.16	1.6	26	0.05	10.01		93.5	7.3
1266770	4.5	0.3	0.9	23.1	0.025	0.02	3.4	0.003	0.07	1.5	15	0.05	16.16		90.5	3.8
1266801	1.4	0.4	1.4	60.5	0.025	0.04	0.8	0.006	0.22	3	33	0.05	7.45		72.2	0.9
1266802	3	0.4	2.6	29	0.025	0.01	2.6	0.002	0.32	1.7	38	0.05	8.62		107.9	2.2
1266803	3.3	0.7	1.2	41	0.025	0.02	2.7	0.007	0.29	1.8	32	0.05	10.91		137.8	2.5
1266804	1	0.3	0.9	94.9	0.025	0.05	1.1	0.004	0.28	3.8	18	0.05	5.3		25.9	1.6
1266805	3	0.5	0.7	39.9	0.025	0.01	2	0.004	0.22	1.6	25	0.05	9.35		154.3	1.7
1266806	3.9	0.7	1.2	32.5	0.025	0.03	2.9	0.004	0.2	1.2	29	0.05	13.76		132.4	2.5
1266807	2.1	1	0.4	53.1	0.025	0.03	1.2	0.003	0.3	2.9	25	0.05	10.02		176.5	2.2
1266808	2.9	0.6	0.9	40.3	0.025	0.01	2	0.005	0.21	1.1	25	0.05	11.68		152.6	2.6
1266809	4.1	0.7	1	44.5	0.025	0.04	3.7	0.004	0.21	1.4	25	0.05	12.83		129.3	3.6
1266810	4.5	1.2	0.7	66.4	0.025	0.03	3	0.006	0.17	1.9	31	0.05	12.72		156.9	3.4
1266811	4.4	1.4	0.4	64.3	0.025	0.05	3.1	0.007	0.16	2.7	31	0.05	12.69		144.7	5
1266812	4.2	0.9	1.3	57.6	0.025	0.01	3.8	0.005	0.12	1.7	23	0.05	12.24		127.2	4.7
1266813	4.3	1	0.4	54.1	0.025	0.03	3.9	0.004	0.13	2.2	24	0.05	13.02		140	4.9
1266814	4.6	0.4	2.7	21.6	0.025	0.08	4.6	0.006	0.41	2	25	0.05	19.94		182.2	2.7
1266815	6.8	1.1	0.7	13.6	0.025	0.19	6.2	0.002	0.26	1.5	12	0.05	23.46		293.1	6
1266816	1.1	0.5	1.1	56.9	0.025	0.01	0.6	0.004	0.25	1.3	27	0.05	9.12		96	0.9
1266817	0.6	0.2	0.6	57.6	0.025	0.01	0.4	0.003	1.11	1.9	12	0.05	4.18		120.3	0.7
1266818	1.1	0.3	1.1	218.5	0.025	0.03	0.4	0.001	0.65	5.9	64	0.05	6.2		46.4	1
1266819	0.4	0.2	0.5	92.6	0.025	0.01	0.2	0.003	0.34	3	18	0.05	4.56		10.5	0.5
1266820	0.4	0.2	0.9	92.2	0.025	0.02	0.2	0.002	0.4	3.4	20	0.05	5.17		11.1	0.7
1266821	0.3	0.3	0.8	66.1	0.025	0.01	0.1	0.002	0.24	1	12	0.05	4.49		5.5	0.5
1267031	1.1	0.6	2.3	41.8	0.025	0.05	0.6	0.009	0.24	3.8	28	0.05	24.21		238.8	1
1267032	2.9	0.8	0.9	39.9	0.025	0.03	2.1	0.015	0.41	3.4	47	0.1	54.69		204.2	2.3
1267033	2.6	0.5	1	24	0.025	0.05	2	0.007	0.21	2.4	31	0.1	24.7		215.9	1.4
1267034	2.5	0.2	1.2	11.7	0.025	0.04	1.6	0.003	0.2	0.9	25	0.05	7.6		125.9	1
1267035	3.3	0.2	1.9	7.2	0.025	0.04	3.3	0.007	0.13	0.9	34	0.1	5.5		70.4	0.9
1267036	5.4	0.2	1.8	7.9	0.025	0.03	3.7	0.004	0.14	1.1	32	0.1	8.84		94.9	2.1
1267037	2.1	0.2	0.7	14.5	0.025	0.03	1.9	0.004	0.1	1	19	0.05	10.59		59.9	2.5
1267038	1.9	0.2	0.7	17.4	0.025	0.03	1.6	0.004	0.1	0.7	21	0.05	8.61		61.3	2.6
1267039	3.2	0.3	3.5	24.4	0.025	0.01	1.9	0.004	0.15	1.4	21	0.05	21		67.5	2.8
1267040	0.9	0.3	1.1	18.8	0.025	0.03	0.5	0.003	0.13	0.6	27	0.05	4.95		78.3	0.6
1267041	1	0.3	1.3	25	0.025	0.05	0.5	0.005	0.14	0.5	30	0.05	3.82		88	0.3
1267042	2.2	0.4	1.1	52.8	0.025	0.04	1	0.002	0.18	0.8	37	0.05	9.68		94.4	3.4
1267043	2.6	0.3	1.9	53.8	0.025	0.02	1.5	0.002	0.2	0.8	30	0.05	13.48		91	4.2
1267044	3.5	0.3	1.2	108.4	0.025	0.01	1.6	0.001	0.21	0.6	28	0.05	15.81		101.3	6.2
1267045	4.2	0.3	0.9	79.7	0.025	0.01	2.1	0.001	0.19	0.7	26	0.05	16.86		99.9	7.4
1267046	3.4	0.3	0.9	45.6	0.025	0.02	1.7	0.002	0.21	0.7	30	0.05	16.06		114.3	5.5
1267047	3.8	0.3	0.8	561	0.025	0.01	2.1	0.001	0.17	0.6	16	0.05	13.01		66.9	5.3
1267048	4.7	0.2	0.7	91.8	0.025	0.01	2.3	0.001	0.19	0.8	25	0.05	17.93		87.3	7.2
1267049	4.4	0.3	1.2	117.4	0.025	0.01	2.5	0.001	0.21	0.6	25	0.05	16.99		85.9	8
1267050	3.7	0.2	0.8	25.2	0.025	0.01	2.7	0.001	0.26	0.8	29	0.05	12.22		68.3	7.7
1267101	5.1	0.4														

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1267111	PM	2011-08-27	UTM83-8	7130106	596849	1491	WHI11001355	239	1.39	10.5	1.1	3	124.2	0.9	0.45	0.6	0.18	20.4	26.1	29.3	4.97	64.8	5.8	4.2	0.05	0.1	87	0.04	0.12	10.1	22.6	0.42	625	1.23	0.003	0.32	44.6	0.093	35.31	5	1	13.2	0.5	0.06	0.64	
1267112	PM	2011-08-27	UTM83-8	7130152	596846	1481	WHI11001355	73	1.6	8.2	0.7	3	75.9	0.9	0.38	0.05	0.2	13.4	24.1	27.6	4.81	52.18	5.76	6.3	0.05	0.06	39	0.05	0.11	5.5	22.3	0.22	642	1.35	0.0005	0.36	29.7	0.051	29.06	5	1	16	0.5	0.03	0.66	
1267113	PM	2011-08-27	UTM83-8	7130200	596851	1475	WHI11001355	55	1.4	8.5	1.2	2	74.8	1.4	0.35	0.06	0.21	17.2	23.5	22.3	3.8	50.99	5.49	4.1	0.05	0.06	35	0.05	0.1	6.2	26	0.28	391	1.34	0.0005	0.26	41.7	0.041	32.78	5	1	11.5	0.5	0.02	0.54	
1267114	PM	2011-08-27	UTM83-8	7130252	596845	1461	WHI11001355	217	0.96	7.2	0.8	3	123.1	0.9	0.26	1.59	0.23	14.4	15.7	17.6	2.84	38.7	4.6	2.7	0.05	0.11	97	0.03	0.07	7.6	10.9	0.26	889	0.77	0.005	0.31	26.1	0.1	25.22	5	1	7.8	0.5	0.12	0.43	
1267115	PM	2011-08-27	UTM83-8	7130299	596847	1444	WHI11001355	455	1.11	30.1	1.3	1	135.1	0.6	0.26	2.87	11.8	18.2	10.3	18	2.11	22.36	2.83	4.5	0.05	0.04	951	0.01	0.07	8.5	9.9	1.68	1058	1.17	0.003	0.44	15.7	0.046	554.79	5	1	8.6	0.5	0.02	2.42	
1267116	PM	2011-08-27	UTM83-8	7130349	596848	1444	WHI11001355	76	3.37	10	0.3	3	66.4	1.1	0.37	0.11	0.49	18.8	23	44.6	5.29	62.77	8.04	6.7	0.05	0.13	336	0.07	0.11	5	31.7	0.26	490	1.07	0.0005	0.9	30.6	0.072	41.42	5	1	13.1	0.5	0.04	0.63	
1267117	PM	2011-08-27	UTM83-8	7130395	596848	1432	WHI11001355	179	1.35	62.2	0.9	5	134.0	0.9	0.26	2.99	21.5	19.5	21.9	21.9	1.79	36.56	3.64	3.5	0.05	0.03	95	0.03	0.1	9.6	13.6	0.45	876	0.94	0.006	0.27	30.4	0.117	155.58	5	1	8.9	0.5	0.1	10.87	
1267118	PM	2011-08-27	UTM83-8	7130498	596852	1397	WHI11001355	389	0.62	15.7	0.3	3	701.5	0.3	0.09	9.75	1.98	12.8	5.6	9.2	0.68	11.23	1.9	1.4	0.05	0.01	289	0.01	0.04	5.7	4.3	0.54	1576	0.93	0.009	0.15	9.6	0.092	92.05	5	1	4	0.5	0.06	7.23	
1267119	PM	2011-08-27	UTM83-8	7130602	596847	1366	WHI11001355	542	0.8	34.1	1.9	5	125.9	0.5	0.23	8.3	1.92	21.2	8.7	11.2	1.38	21.93	2.61	1.8	0.05	0.04	348	0.06	0.11	9.5	6.7	4.18	1574	0.79	0.011	0.16	16.5	0.138	82.31	12	1	6.4	0.5	0.05	8.51	
1267120	PM	2011-08-27	UTM83-8	7130652	596845	1387	WHI11001355	272	0.57	30	1.8	3	1164.1	0.5	0.18	11.4	1.84	12.1	4.8	9	0.42	9.62	1.74	1.2	0.05	0.01	172	0.02	0.03	5.8	4.4	6.2	1325	0.58	0.011	0.18	9.2	0.065	30.48	5	1	2.7	0.5	0.07	51.52	
1267121	PM	2011-08-27	UTM83-8	7130700	596848	1402	WHI11001355	635	1.76	100.9	1.6	3	555.9	1.1	0.34	2.48	3.37	30.3	12	24.8	1.35	22.67	5.68	4.3	0.05	0.04	334	0.09	0.05	14.3	11.3	1.18	4963	1.95	0.009	0.34	22.5	0.202	108.89	5	1	8.8	0.5	0.11	15.34	
1267122	PM	2011-08-27	UTM83-8	7129997	597350	1523	WHI11001355	135	1.28	8.5	2.2	2	78.6	0.3	0.36	0.09	0.11	16.6	8.8	21.9	2.41	24.53	3.21	5.1	0.05	0.01	47	0.01	0.06	8.1	9	0.23	358	1.62	0.005	0.37	18.6	0.093	18.32	5	1	12.9	0.5	0.07	0.82	
1267123	PM	2011-08-27	UTM83-8	7130048	597353	1524	WHI11001355	61	1.73	10	1.8	3	78.8	0.6	0.41	0.06	0.31	20.8	12.5	29.1	2.78	28.63	3.88	5.5	0.05	0.01	39	0.04	0.09	10.1	19.6	0.36	372	1.56	0.005	0.54	25.3	0.064	19.1	5	1	13.1	0.5	0.05	0.83	
1267124	PM	2011-08-27	UTM83-8	7130100	597346	1533	WHI11001355	129	1.63	8.7	1.5	2	75.6	0.9	0.38	0.03	0.19	12.1	18.3	22.2	3.1	46.79	5.57	4.7	0.05	0.03	32	0.05	0.08	5.4	23	0.23	444	1.39	0.004	0.38	33.6	0.051	31.07	5	1	13.4	0.5	0.03	0.73	
1267125	PM	2011-08-27	UTM83-8	7130155	597350	1550	WHI11001355	139	1.87	8.6	1.9	4	193.5	1.2	0.37	0.22	1.94	19.1	53.4	29.1	2.91	74.74	7.15	5	0.05	0.07	172	0.06	0.11	8.8	33.6	0.51	1624	0.71	0.005	0.1	49.7	0.039	47.23	5	1	9.1	0.5	0.03	0.87	
1267126	PM	2011-08-27	UTM83-8	7130202	597351	1552	WHI11001355	44	2.33	9.5	0.9	3	60.5	1.3	0.37	0.02	0.15	12.1	49.3	38.6	5.39	88.79	7.56	6.7	0.05	0.05	33	0.05	0.1	5.1	39.1	0.53	665	0.8	0.004	0.18	48.2	0.031	28.73	5	1	11.5	0.5	0.02	0.69	
1267127	PM	2011-08-27	UTM83-8	7130252	597350	1542	WHI11001355	54	1.98	10.2	2.6	3	75.8	0.7	0.39	0.08	0.13	25.5	16.8	33.8	5.21	42.16	4.32	6	0.05	0.01	40	0.05	0.11	12.9	24.3	0.55	484	1.74	0.008	0.46	27.1	0.073	27.15	5	1	15.8	0.5	0.03	0.99	
1267128	PM	2011-08-27	UTM83-8	7130300	597350	1529	WHI11001355	130	2.15	11	1.2	4	193.3	1.1	0.35	0.88	0.97	54.4	17.9	33.9	2.9	33.12	4.52	4.9	0.05	0.01	53	0.05	0.09	18.7	17.9	0.35	962	1.26	0.007	0.52	31.3	0.139	37.68	5	1	14.2	0.5	0.07	0.86	
1267129	PM	2011-08-27	UTM83-8	7130349	597348	1517	WHI11001355	37	2.13	13.6	1.3	2	176	0.7	0.33	0.35	0.23	29.5	11.1	32.4	3.16	21.42	3.4	6.3	0.05	0.02	48	0.03	0.08	14.4	20.3	0.56	510	1.11	0.006	0.53	26.5	0.085	43.24	5	1	15.8	0.5	0.04	1.01	
1267130	PM	2011-08-27	UTM83-8	7130404	597348	1506	WHI11001355	61	1.72	15.8	2.7	3	169.7	0.8	0.35	0.57	0.17	33.6	11.7	27.5	4.35	23.63	3.31	5.3	0.05	0.03	66	0.03	0.08	15.8	14.9	0.42	517	1.18	0.006	0.52	25.5	0.073	32.75	5	1	13.5	0.5	0.04	0.97	
1267131	PM	2011-08-27	UTM83-8	7130499	597348	1483	WHI11001355	144	0.67	20.3	1.3	6	93.6	0.6	0.32	5.26	0.45	34.6	17.9	14.3	3.11	45.38	3.75	1.7	0.05	0.01	238	0.03	0.13	18.7	4.8	0.17	488	0.69	0.006	0.15	31.3	0.094	38.66	5	1	8.1	0.5	0.06	0.78	
1267132	PM	2011-08-27	UTM83-8	7130546	597348	1460	WHI11001355	179	1.02	16.1	1.8	5	142.8	0.6	0.28	2.74	0.67	28.2	15.1	18.6	1.55	30.64	3.42	2.6	0.05	0.05	132	0.05	0.06	14.8	8.3	0.37	789	0.72	0.005	0.4	24.5	0.103	49.14	5	1	5.7	0.5	0.1	0.91	
1267133	PM	2011-08-27	UTM83-8	7130602	597351	1442	WHI11001355	230	0.91	20.8	1.2	4	122.8	0.5	0.17	6.37	1.48	19.8	8.6	15.9	0.81	17.49	2.49	2.3	0.05	0.03	178	0.03	0.04	9.6	7.1	2.82	1198	0.89	0.008	0.37	15.7	0.096	39.31	5	1	4.8	0.5	0.07	3.47	
1267134	PM	2011-08-27	UTM83-8	7130650	597348	1430	WHI11001355	169	1.39	34.3	1.6	3	137.1	0.4	0.27	2.1	0.75	22.3	10.5	23.8	0.97	15.44	2.53	3.9	0.05	0.01	90	0.03	0.05	9.3	11.3	0.45	856	1.03	0.005	0.73	18.6	0.1	29.04	5	1	6.3	0.5	0.1	6.86	
1267135	PM	2011-08-27	UTM83-8	7130698	597351	1403	WHI11001355	430	0.79	38.6	2.5	4	168.7	0.5	0.17	7.98	0.74	23	8.5	14.9	1.44	20.6	4.38	2.2	0.05	0.01	231	0.2	0.07	10.8	7.2	3.19	4922	0.91	0.012	0.21	20.9	0.144	42.07	11	1	6.1	1	0.02	9.42	
1267136	PM	2011-08-28	UTM83-8	7127552	592100	1356	WHI11001355	30	0.4																																					

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1267111	8.7	0.7	2.1	21.6	0.025	0.09	3.3	0.005	0.18	0.7	43	0.05	17.46		110	2.8
1267112	4.9	0.5	1.5	10.5	0.025	0.11	3.2	0.005	0.16	0.6	46	0.05	5.29		123.7	2.1
1267113	5.4	0.6	1.9	11.7	0.025	0.08	4.2	0.004	0.19	0.7	32	0.05	6.07		114	2.4
1267114	6.1	1.1	1.2	48.3	0.025	0.06	1.8	0.003	0.13	0.9	24	0.05	21.76		91	3.1
1267115	3.1	0.7	0.8	23.3	0.025	0.06	2	0.01	0.24	0.8	38	0.1	6.85		4099.5	1.1
1267116	7.9	0.9	0.9	11.8	0.025	0.03	3.7	0.008	0.19	0.8	50	0.05	6.56		120.1	5.3
1267117	3.3	1	0.8	40	0.025	0.06	0.7	0.007	0.35	0.6	33	0.1	13.06		669.1	1.1
1267118	1.1	0.7	2.2	36.2	0.025	0.05	0.3	0.005	0.24	0.5	17	0.05	11.35		439.9	0.5
1267119	2.6	0.7	0.7	67.6	0.025	0.02	1	0.005	0.33	1.2	21	0.1	16.15		499.9	1.4
1267120	1.2	0.4	1.2	43.5	0.025	0.02	0.5	0.008	0.18	0.9	19	0.2	8.16		405.8	0.5
1267121	2.5	0.9	0.7	24	0.025	0.07	0.9	0.011	0.34	2.1	51	0.1	27.89		480.2	1.2
1267122	1.1	0.4	1.5	7.6	0.025	0.01	0.3	0.005	0.17	0.8	42	0.1	3.78		71.6	0.2
1267123	1.9	0.7	1	10.9	0.025	0.04	0.5	0.013	0.16	0.9	46	0.1	4.43		94.4	0.05
1267124	5	0.5	0.8	12.4	0.025	0.03	3.1	0.003	0.18	0.6	39	0.05	4.41		109.4	1.6
1267125	10.1	0.3	0.9	33.2	0.025	0.03	4.6	0.004	0.13	1	39	0.05	18.57		515.8	2.7
1267126	7.6	0.3	0.9	17.6	0.025	0.03	3.9	0.008	0.12	0.7	43	0.05	6.89		132.7	3.3
1267127	4.5	0.6	0.9	15.2	0.025	0.04	2.5	0.024	0.18	1	52	0.2	5.37		102.2	0.2
1267128	4.7	0.6	0.8	95.1	0.025	0.03	1.3	0.01	0.16	2.4	44	0.1	14.83		164	0.8
1267129	2.7	0.3	0.8	42.9	0.025	0.05	1.3	0.013	0.22	1.2	54	0.2	7.07		220.9	0.5
1267130	3.2	0.4	1.2	25	0.025	0.05	1.8	0.01	0.33	1.1	45	0.2	9.06		128.8	0.7
1267131	4.4	0.7	1	139.8	0.025	0.06	1.4	0.004	0.53	0.8	20	0.05	22.55		189.7	0.6
1267132	2.6	0.4	7.2	110.9	0.025	0.05	0.9	0.005	0.22	1.2	30	0.1	19.4		227.1	1.7
1267133	1.7	0.4	0.8	46.6	0.025	0.04	0.6	0.007	0.16	1.1	28	0.05	14.03		260.1	0.9
1267134	1.2	0.3	1	42.9	0.025	0.03	0.5	0.011	0.16	1.8	40	0.2	9.64		144.7	0.4
1267135	2.5	0.6	0.7	140.4	0.025	0.03	2.4	0.014	0.27	1.4	24	0.2	11.64		201.2	0.7
1267136	1.4	0.4	2	108.6	0.025	0.04	1.8	0.005	0.45	3.1	46	0.05	7.81		65.8	1.3
1267137	1	0.4	0.9	87.4	0.025	0.02	0.6	0.003	1.17	1.8	17	0.05	5.59		38.4	0.8
1267138	1	0.4	2.7	96.3	0.025	0.04	0.7	0.003	1.14	2.2	19	0.05	5.56		28.2	0.9
1267139	0.5	0.3	0.6	67.7	0.025	0.01	0.2	0.004	0.53	1.5	17	0.05	5.25		27.1	0.5
1267140	0.3	0.4	1.3	43.6	0.025	0.01	0.2	0.001	0.37	1.1	11	0.05	3.25		3.6	0.3
1267141	0.2	0.2	0.9	17	0.025	0.01	0.1	0.002	0.06	0.3	4	0.05	2.41		8.1	0.3
1267142	0.6	0.4	0.7	23.8	0.025	0.01	0.3	0.006	0.2	0.4	10	0.05	6.4		34	0.4
1267143	0.5	0.1	0.4	33.7	0.025	0.01	0.2	0.004	0.17	0.5	12	0.05	5.41		61.8	0.2
1267144	0.8	0.3	1.6	43.1	0.025	0.01	0.3	0.004	0.66	1.4	27	0.05	8.89		166.6	0.2
1267145	1.6	0.5	2.2	145.8	0.025	0.05	2.8	0.004	0.5	5.6	60	0.05	9.03		87.6	2.7
1267146	2.3	0.4	1.5	34.3	0.025	0.04	1.4	0.004	0.85	1.6	43	0.05	11.79		247.3	0.9
1267147	2.3	0.4	0.9	193.5	0.025	0.01	1.6	0.009	0.26	2.7	26	0.05	8.61		80.2	1.1
1267148	2.2	0.3	0.8	42	0.025	0.01	1.1	0.01	0.33	1.8	31	0.05	10.86		79.9	0.8
1267149	3.1	0.3	0.9	19.3	0.025	0.01	2.6	0.008	0.31	2	44	0.05	7.94		124.1	1.6
1267150	1.7	0.4	0.8	42.3	0.025	0.04	0.7	0.005	0.47	3.5	31	0.05	10.95		116.8	0.8
1267151	2.5	0.4	1.6	15.1	0.025	0.06	0.7	0.013	0.23	0.8	43	0.2	4.49		261.3	0.05
1267152	6	0.3	0.9	11.5	0.025	0.02	2.8	0.007	0.21	0.7	38	0.05	6.66		133.6	1.3
1267153	6.9	0.3	1	47.7	0.025	0.01	2.1	0.004	0.1	0.8	37	0.05	13.38		97.7	1.5
1267154	1.5	0.5	0.8	111.9	0.025	0.02	0.3	0.006	0.11	1.5	23	0.05	9.79		127.3	0.7
1267155	4.4	0.5	0.5	48.8	0.025	0.04	1.4	0.008	0.15	1	31	0.1	11.76		652.2	0.8
1267156	2.3	0.5	1.4	26.1	0.025	0.04	0.8	0.007	0.25	1.2	39	0.1	5.99		207.2	0.7
1267157	2.3	0.8	1	47.1	0.025	0.07	0.6	0.005	0.45	1.1	33	0.1	18.55		1037.6	1.2
1267158	3.6	0.6	1.8	108.5	0.025	0.02	1.5	0.007	0.55	0.7	31	0.1	17.56		219.1	1.2
1267159	1.7	0.6	0.7	55.3	0.025	0.06	0.5	0.005	0.28	1.8	40	0.1	29.71		344.7	0.7
1267160	3.8	0.8	0.8	36.6	0.025	0.06	1.5	0.009	0.22	1.3	36	0.1	21.9		233.4	1.2
1267161	3.6	0.4	0.9	35	0.025	0.05	1.4	0.009	0.28	1.6	42	0.2	17.5		349.6	1
1267162	2.5	0.7	0.8	109.4	0.025	0.01	1.8	0.001	0.76	5.4	27	0.05	8.95		73.5	1.2
1267163	4.4	0.7	1	130.2	0.025	0.05	4.1	0.003	0.5	2.4	23	0.05	10.76		87	3.4
1267164	4.6	0.7	2.1	43.8	0.025	0.04	3.7	0.002	0.29	4	37	0.05	13.2		90.7	3
1267165	3.8	0.8	1.6	59.7	0.025	0.04	1.8	0.003	0.37	7.7	47	0.05	11.95		168.3	2.7
1267166	5	0.9	2.9	50.1	0.025	0.06	2.4	0.003	0.37	8.4	51	0.05	14.07		154	3.7
1267167	4	0.6	1.3	84.7	0.025	0.04	2.6	0.003	0.25	3.3	29	0.05	13.08		94.1	4.6
1267168	2.4	0.4	0.7	47.4	0.025	0.04	1.3	0.002	0.09	0.5	15	0.05	8.75		49.6	3.6
1267169	2.8	0.7	1.4	71.3	0.025	0.02	1.7	0.002	0.14	0.5	20	0.05	11.04		77.6	4.6
1267170	3.8	0.5	0.9	168.2	0.025	0.05	2.1	0.002	0.24	0.6	25	0.05	13.07		89.5	4.9
1267171	2.7	0.5	2	116.4	0.025	0.06	1.4	0.002	0.2	0.8	28	0.05	11.31		75.9	4.2
1267172	3.6	0.7	1.1	75.5	0.025	0.04	2.1	0.002	0.18	0.9	30	0.05	14.32		96.1	6.1
1267173	2	0.7	1	26.7	0.025	0.04	1.8	0.004	0.08	0.7	15	0.05	10.96		43.9	2.5
1267174	1.7	0.8	0.8	31.9	0.025	0.01	1	0.005	0.08	0.7	17	0.05	12.65		61.2	2
1267175	2	0.5	1.9	16.4	0.025	0.01	1.7	0.007	0.1	0.7	25	0.05	8.71		59.5	1.7
1267176	2.4	0.4	1.1	18.3	0.025	0.01	1.9	0.008	0.12	0.9	27	0.05	11.14		62.3	1.7
1267177	2.8	0.7	1.3	18.5	0.025	0.02	2.2	0.005	0.08	1	21	0.05	19.33		57.5	3
1267178	3.5	0.3	1	14.8	0.025	0.02	4.2	0.002	0.1	0.5	19	0.05	8.75		69.2	4
1267179	2.4	0.5	1.3	7	0.025	0.03	3.1	0.008	0.11	0.8	35	0.1	3.59		54.4	1.8
1267180	4.3	0.4	1.3	11.4	0.025	0.04	4.7	0.005	0.09	1.2	25	0.1	14.79		67	2.8
1267181	3.9	0.3	1.5	13.2	0.025	0.04	3.4	0.004	0.21	1.4	23	0.05	9.83		139.5	3
1267182	0.2	0.6	0.9	46.1	0.025	0.01	0.05	0.002	0.27	1	6	0.05	4.17		414.3	0.3
1267183	0.2	1.5	1.7	97.4	0.025	0.09	0.2	0.004	0.85	1.6	11	0.05	6.81		1643.3	0.3
1267184	0.3	0.4	0.4	58.4	0.025	0.04	0.2	0.003	0.25	0.9	8	0.05	3.45		439.5	0.4
1267185	0.2	0.6	1.4	57.7	0.025	0.02	0.05	0.002	1.02	1.8	7	0.05	3.65		1239.9	0.1
1267186	0.5	0.6	0.7	98.9	0.025	0.03	0.2	0.005	0.85	2.2	9	0.05	4.98		3145.3	0.4
1267187	1.1	0.6	2.4	53.2	0.025	0.02	0.5	0.003	1.17	1.3	13	0.05	6.78		690.9	0.6
1267188	0.9	0.4	0.6	63.1	0.025	0.04	0.8	0.001	1.63	1.1	8	0.05	3.77		1292.7	1.2
1267189	0.7	0.5	4.2	8.9	0.025	0.09	0.5	0.003	0.34	0.8	20	0.05	2.46		116.7	1.6
1267190	2.3	0.3	1.3	10.8	0.025	0.04	3.9	0.002	0.17	0.7	20	0.05	4.9		123.4	1.8
1267191	1.9	0.5	1.6	11.5	0.025	0.06	2.3	0.006	0.28	1.2	40	0.1	3.97		379.2	1.9
126719																

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1267209	SP	2011-08-27	UTM83-8	7128351	596605	1460	WH11001354	39	1.74	8.2	2.7	3	95.8	0.9	0.42	0.09	0.13	27.5	17.1	29.1	1.88	25.24	3.65	5.4	0.05	0.03	48	0.03	0.13	8.3	30.9	0.44	1382	0.8	0.002	0.35	24.9	0.062	33.59	5	1	14.6	0.5	0.03	0.41	
1267210	SP	2011-08-27	UTM83-8	7128299	596599	1460	WH11001354	52	1.4	6.4	2.2	2	120	0.5	0.37	0.09	0.13	22.4	9.1	27	1.84	16.9	3.09	5.9	0.05	0.01	44	0.02	0.14	9	14.7	0.26	705	0.97	0.003	0.32	15.6	0.064	21.98	5	1	17	0.5	0.04	0.45	
1267211	SP	2011-08-27	UTM83-8	7128253	596599	1455	WH11001354	81	1.4	4.2	2.5	5	117.4	0.9	0.29	0.46	0.1	30	6.9	24.3	2.01	15.77	2.36	4.4	0.05	0.04	14	0.03	0.18	11.3	23.6	0.43	297	0.73	0.004	0.41	18	0.067	18.49	5	1	18.3	0.5	0.05	0.33	
1267212	SP	2011-08-27	UTM83-8	7128201	596601	1451	WH11001354	107	1.49	5.4	2.1	3	105.2	0.4	0.28	0.12	0.17	25.9	4.8	26.3	1.84	9.35	2.08	5.4	0.05	0.01	21	0.03	0.13	10.7	12.9	0.27	237	1.24	0.003	0.28	13.5	0.086	11.25	5	1	18.7	0.5	0.05	0.44	
1267213	SP	2011-08-27	UTM83-8	7128150	596602	1447	WH11001354	28	1.92	8.8	2	3	120.5	0.8	0.33	0.1	0.12	33.2	10.2	31.1	2.21	16.28	3.41	6.2	0.05	0.03	22	0.03	0.16	11	21.2	0.37	467	1.44	0.002	0.51	22.1	0.055	20.93	5	1	17.3	1	0.03	0.6	
1267214	SP	2011-08-27	UTM83-8	7128100	596600	1443	WH11001354	77	1.49	10.5	1.9	9	182.5	1.1	0.33	0.58	0.17	26.6	13.1	26.1	2.2	23.22	2.99	4.6	0.05	0.1	18	0.03	0.17	11.1	30.4	0.42	767	1.19	0.003	0.35	24.4	0.1	43.31	5	1	17.5	2	0.05	0.37	
1267215	SP	2011-08-27	UTM83-8	7128050	596601	1444	WH11001354	116	1.26	4.8	2.9	13	203.4	1.4	0.25	0.16	0.19	56.3	14.3	27.1	2.12	21.05	3.57	3.7	0.05	0.11	27	0.05	0.31	23.8	13.3	0.35	434	1.87	0.003	0.32	38.7	0.102	22.89	5	1	19.7	1	0.06	0.32	
1267216	SP	2011-08-27	UTM83-8	7127955	596600	1444	WH11001354	33	2.04	5.1	1.2	5	123.8	0.8	0.23	0.28	0.14	37.6	8.2	31.9	2.23	11.3	2.67	5.5	0.05	0.04	15	0.01	0.18	14.7	19.6	0.44	194	1.51	0.004	0.43	22.4	0.045	11.04	5	1	19.7	1	0.01	0.4	
1267217	SP	2011-08-27	UTM83-8	7127950	596599	1446	WH11001354	57	1.84	6.4	2.5	9	159.3	0.8	0.28	0.26	0.11	35.9	8.5	45.2	2.93	14.31	2.87	5.7	0.05	0.03	14	0.01	0.21	13.8	16	0.37	342	3.05	0.002	0.35	29.8	0.103	18.22	5	1	24.8	2	0.04	0.39	
1267218	SP	2011-08-27	UTM83-8	7127898	596597	1451	WH11001354	66	2.11	6.7	0.7	8	206.4	1	0.28	0.43	0.08	35.7	8.5	34.7	3.24	12.5	3.02	6.2	0.05	0.07	17	0.03	0.23	14.2	18.8	0.45	345	1.43	0.002	0.5	21.3	0.106	16.08	5	1	29.3	0.5	0.04	0.4	
1267219	SP	2011-08-27	UTM83-8	7127853	596600	1453	WH11001354	40	1.4	7.4	1.2	3	92.9	0.6	0.23	0.59	0.17	36.4	7.4	24.9	1.67	13.19	2.57	4.9	0.05	0.01	17	0.04	0.16	13.5	12.8	0.53	330	1.81	0.001	0.38	18.4	0.081	14.63	5	1	19.2	0.5	0.04	0.51	
1267220	SP	2011-08-27	UTM83-8	7127801	596600	1454	WH11001354	28	1.78	4.9	0.4	4	100.1	0.8	0.25	0.06	0.09	48.2	8.3	27.9	2.11	11.9	2.6	5.4	0.05	0.04	11	0.03	0.18	17.7	18.8	0.41	308	0.89	0.0005	0.32	18.1	0.069	13.49	5	1	19.8	1	0.03	0.43	
1267221	SP	2011-08-27	UTM83-8	7127750	596598	1451	WH11001354	78	1.27	5.5	0.7	4	114.2	0.4	0.24	0.14	0.17	27.6	4.7	24.3	1.96	9.9	1.78	5.1	0.05	0.01	29	0.03	0.15	12.5	10.6	0.24	283	1.49	0.002	0.28	12.3	0.091	12.24	5	1	18.6	1	0.06	0.43	
1267222	SP	2011-08-27	UTM83-8	7127703	596603	1446	WH11001354	38	2.33	6.5	0.7	4	147.7	0.6	0.3	0.09	0.11	35.5	6.7	35.6	5.44	12.49	2.75	9	0.05	0.03	28	0.03	0.21	14.5	17.5	0.37	200	1.29	0.0005	0.64	16.4	0.081	13.5	5	1	24.2	0.5	0.04	0.48	
1267223	SP	2011-08-27	UTM83-8	7127652	596597	1443	WH11001354	22	1.57	6.5	0.5	1	160.2	0.5	0.32	0.22	0.09	32.8	5.6	25.8	2.12	9.83	2.45	7.7	0.05	0.01	20	0.01	0.1	13.8	14.1	0.28	157	1.34	0.001	0.63	15.5	0.058	17.52	5	1	12.2	0.5	0.03	0.44	
1267224	SP	2011-08-27	UTM83-8	7127502	596598	1441	WH11001354	33	1.23	2	0.1	5	113.5	0.8	0.22	0.18	0.11	60.7	7.1	20.7	2.15	8.76	1.93	3.7	0.05	0.04	18	0.03	0.22	19.1	15.7	0.39	288	0.42	0.001	0.24	15.7	0.079	10.47	5	1	17.6	0.5	0.03	0.16	
1267225	SP	2011-08-27	UTM83-8	7127399	596602	1442	WH11001354	270	1.19	47.9	2.3	16	202.9	1.1	0.23	4.38	0.81	26.1	12.5	21.7	5.09	27.13	3.02	3.4	0.05	0.13	80	0.03	0.31	11.2	11.3	0.82	399	10.01	0.007	0.44	52	0.22	27.4	5	1	19.6	3	0.08	1.25	
1267226	SP	2011-08-27	UTM83-8	7129355	596597	1733	WH11001354	36	2.17	2.8	3.2	3	39.7	1	0.13	7.24	0.33	48.8	10.2	46.6	2.42	32.12	2.16	6.1	0.05	0.14	17	0.03	0.16	23.5	4.21	3.52	316	0.73	0.004	0.06	25.9	0.26	13.22	5	1	11.9	0.5	0.01	0.11	
1267227	SP	2011-08-27	UTM83-8	7129397	596604	1700	WH11001354	32	1.4	0.8	7.9	3	256.8	0.8	0.14	5.57	0.13	52.1	9.3	33.8	1.86	35.26	1.88	4.4	0.05	0.1	17	0.03	0.14	24.4	29.8	2.95	324	0.29	0.004	0.05	21.8	0.052	12.07	5	1	9.3	0.5	0.01	0.14	
1267228	SP	2011-08-27	UTM83-8	7129450	596601	1663	WH11001354	17	1.23	0.3	2.9	4	124.5	0.8	0.16	6.68	0.09	58.5	10.4	30.4	1.91	30.44	2.01	3.8	0.05	0.13	7	0.02	0.15	28.9	25.6	2.18	320	0.16	0.004	0.08	27.1	0.066	5.33	5	1	8.6	0.5	0.01	0.11	
1267229	SP	2011-08-27	UTM83-8	7129499	596600	1639	WH11001354	21	1.63	1.2	1.5	4	121.8	1.2	0.23	1	0.1	65.9	13	40	1.53	31.24	2.76	4.8	0.05	0.13	18	0.04	0.16	33.5	33.9	1.63	317	0.22	0.002	0.08	37.7	0.072	17	5	1	9.9	0.5	0.01	0.16	
1267230	SP	2011-08-27	UTM83-8	7129550	596603	1604	WH11001354	21	1.48	1.7	1.5	4	105	0.9	0.21	3.73	0.13	46.7	12.4	34.5	2.24	25.7	2.57	4.6	0.05	0.11	9	0.02	0.15	22	32.1	1.42	343	0.15	0.003	0.06	35.9	0.073	11.05	5	1	9.3	0.5	0.01	0.13	
1267231	SP	2011-08-27	UTM83-8	7129601	596597	1567	WH11001354	33	1.63	2.2	4.1	4	116.3	0.9	0.25	0.83	0.1	51	12.5	39.4	2.01	30.44	2.92	5.1	0.05	0.14	33	0.02	0.15	24.9	36.8	1.38	198	0.26	0.002	0.16	40.4	0.083	14.77	5	1	9.5	0.5	0.02	0.16	
1267232	SP	2011-08-27	UTM83-8	7129651	596599	1548	WH11001354	69	1.88	3.3	1.4	6	69.3	1.1	0.31	0.46	0.15	40.7	14.6	44.7	3.01	40.77	3.43	6.1	0.05	0.15	30	0.04	0.18	17.5	46.9	1.26	499	0.21	0.001	0.13	47.4	0.077	25.21	5	1	11.5	0.5	0.02	0.15	
1267233	SP	2011-08-27	UTM83-8	7129700	596599	1532	WH11001354	86	0.57	9.4	2.3	8	73.4	0.7	0.31	2.14	0.26	16.9	8.3	11.3	1.87	20.32	2.28	1.5	0.05	0.09	98	0.03	0.17	6.9	5.3	0.3	191	0.72	0.005	0.1	22.5	0.1	31.49	5	1	8.4	0.5	0.12	0.34	
1267234	SP	2011-08-27	UTM83-8	7129802	596600	1511	WH11001354	127	0.88	9	1	5	75.8	0.8	0.3	1.55	0.21	19.7																												

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1267209	1.9	0.2	1	7.2	0.025	0.04	2.1	0.005	0.14	0.8	31	0.1	5.32		90.8	0.8
1267210	0.9	0.3	1.1	6.9	0.025	0.03	0.5	0.005	0.16	0.8	34	0.05	4.06		72.6	0.5
1267211	1.8	0.3	3.4	31.5	0.025	0.01	1.8	0.004	0.14	0.9	26	0.05	5.79		79.4	1.1
1267212	0.5	0.3	1.5	9.4	0.025	0.03	0.4	0.005	0.2	0.7	41	0.05	3.17		64.4	0.4
1267213	1.5	0.3	1.6	8.3	0.025	0.06	1.4	0.006	0.2	0.9	47	0.05	4.27		76.9	0.5
1267214	2.5	0.3	3.7	27.9	0.025	0.04	2.4	0.002	0.15	1.4	29	0.05	8.22		93.7	2.9
1267215	3.9	0.7	2.4	66.1	0.025	0.02	3	0.003	0.32	0.9	30	0.05	15.14		103	6.2
1267216	1.8	0.3	1.3	20.1	0.025	0.01	2.5	0.004	0.25	0.8	39	0.05	4.5		72.2	1.4
1267217	1.6	0.5	3.1	19.6	0.025	0.04	1.2	0.008	0.25	0.9	42	0.1	5.97		77.5	1
1267218	2.3	0.3	1.4	29	0.025	0.04	2.3	0.009	0.29	1.1	47	0.1	5.54		78.2	2.7
1267219	1.1	0.3	1.4	6.5	0.025	0.01	1.2	0.003	0.24	0.9	38	0.05	4.41		77.7	1.1
1267220	1.5	0.2	1	6.4	0.025	0.03	1.9	0.005	0.18	0.6	35	0.05	4.63		56.8	0.8
1267221	0.4	0.2	2.8	8	0.025	0.03	0.2	0.004	0.22	1.1	44	0.05	1.98		57.4	0.3
1267222	1.2	0.4	1.1	9.4	0.025	0.04	0.8	0.006	0.45	0.8	61	0.05	3.8		72.4	0.7
1267223	1	0.3	1.4	15.6	0.025	0.01	0.6	0.006	0.26	0.7	57	0.05	3.99		54.5	0.3
1267224	1.6	0.1	0.7	11	0.025	0.01	3	0.002	0.13	0.5	18	0.05	5.4		40.3	1.2
1267225	2.8	1.4	1.2	96.1	0.025	0.04	2.3	0.005	1.36	7.7	55	0.05	11.64		179.3	4.9
1267226	3.8	0.7	1.5	107.5	0.025	0.01	6.6	0.003	0.12	1.3	30	0.05	10.83		91.3	6
1267227	3.1	0.9	0.4	103.6	0.025	0.01	6.7	0.003	0.08	1	20	0.05	11.3		71.6	6.4
1267228	3.4	0.2	0.5	102.9	0.025	0.01	8.2	0.004	0.07	1.2	14	0.05	10.89		69.8	7.6
1267229	4.5	0.3	1	21.8	0.025	0.01	9.7	0.004	0.08	1.2	17	0.05	13.46		90.6	6
1267230	3.4	0.2	0.5	70	0.025	0.03	8.5	0.004	0.07	1.3	15	0.05	10.47		82.8	6.3
1267231	4.5	0.4	1.4	25	0.025	0.01	8	0.004	0.08	1.5	17	0.05	15.21		96.6	6
1267232	5.3	0.3	0.7	21.2	0.025	0.02	8.5	0.004	0.1	1.6	19	0.05	15.18		116.6	6.5
1267233	2.5	0.6	1.1	42.8	0.025	0.06	2.8	0.001	0.21	1	8	0.05	9.05		114.2	4.1
1267234	2.4	0.7	1.8	32.4	0.025	0.01	2.7	0.001	0.13	0.8	15	0.05	9.36		79.3	3.5
1267235																
1267236	5.7	0.7	0.8	32.2	0.025	0.06	5.9	0.003	0.21	1.1	21	0.05	14.36		131.3	2.6
1267237	4.9	0.5	1.3	22.8	0.025	0.06	3.8	0.002	0.2	1.5	24	0.05	18.31		61.6	2.4
1267238	4.6	0.5	1.2	21.7	0.025	0.04	3	0.0005	0.21	1	26	0.05	9.38		62.9	3.6
1267239	2.9	0.3	0.7	14.5	0.025	0.06	1.9	0.0005	0.12	0.5	29	0.05	4.32		93	0.9
1267240	4.8	0.4	0.7	16.7	0.025	0.06	3.3	0.002	0.14	0.6	34	0.05	8.34		107.6	1.5
1267241	6.4	0.4	2.6	32.9	0.025	0.02	2.9	0.001	0.19	0.7	34	0.05	10.2		551.9	1.9
1267242	4.6	0.3	1.3	46.2	0.025	0.03	2.6	0.001	0.22	0.4	36	0.05	5.93		197.6	1
1267243	1.9	0.9	3.6	42.8	0.025	0.01	0.6	0.002	0.59	0.7	25	0.1	13.77		3938.2	1
1267244	1.6	0.6	0.5	106.3	0.025	0.03	0.5	0.006	0.6	0.8	22	0.05	13.52		1657.8	0.5
1267245	3	0.7	0.9	143.3	0.025	0.06	1.2	0.003	0.46	0.8	23	0.1	15.3		551.3	1.4
1267246	2.9	0.8	1.9	42.8	0.025	0.07	1.5	0.002	0.73	0.8	20	0.05	16.41		329.4	2.2
1267247	2.5	0.8	0.9	34.6	0.025	0.05	1.3	0.003	0.72	0.8	21	0.05	14.79		367.7	1.5
1267248	1.1	0.8	0.8	36.4	0.025	0.01	0.5	0.004	0.31	1.3	23	0.1	14.66		242.3	0.8
1267249	1.5	0.6	0.8	52.8	0.025	0.04	0.8	0.003	0.23	0.9	19	0.1	13.24		330.5	1.1
1267250	3.1	0.4	1.4	42.1	0.025	0.04	1.9	0.009	0.15	1.3	44	0.1	11.13		129.9	0.7
1267255	3.2	0.2	1.2	9.8	0.025	0.04	2.2	0.004	0.22	1.9	37	0.2	8		62.5	0.8
1267256	2.1	0.2	0.9	8.3	0.025	0.03	3	0.009	0.18	0.8	41	0.2	4.02		100	0.5
1267257	3	0.3	4.3	11.1	0.025	0.03	3.9	0.01	0.11	2.1	39	0.2	5.6		82.5	1
1267258	2.4	0.2	1	8.6	0.025	0.03	2.3	0.009	0.18	1	40	0.2	5.88		91	0.4
1267259	4.6	0.05	2.8	7	0.025	0.05	6.3	0.007	0.14	1.3	34	0.2	6.57		88.6	1
1267260	4.1	0.05	1.4	7.5	0.025	0.02	5	0.004	0.17	0.9	33	0.1	9.1		114.2	1
1267261	3.9	0.2	2.3	7.8	0.025	0.05	3.9	0.004	0.18	0.9	37	0.1	6.84		108.6	0.9
1267262	2.2	0.05	1	7.4	0.025	0.04	4.5	0.008	0.18	0.6	44	0.1	3.41		53.6	1.4
1267263	5	0.05	1.3	8	0.025	0.03	5.8	0.004	0.16	1	32	0.05	13.16		125.1	1.7
1267264	2.6	0.1	1.5	7.3	0.025	0.04	4.9	0.006	0.16	1	41	0.1	4.31		57.8	1
1267265	2.8	0.3	4.6	5.5	0.025	0.07	3.9	0.007	0.1	1	35	0.2	4.5		80.4	0.7
1267266	2.2	0.4	1.3	8.5	0.025	0.07	4.1	0.042	0.11	0.7	58	0.3	2.72		70.6	1
1267267	2.7	0.5	1.4	5.4	0.025	0.05	2.1	0.01	0.14	1	43	0.1	3.71		62.1	0.1
1267268	2.8	0.2	2.9	8.9	0.025	0.07	0.9	0.007	0.12	1.2	40	0.1	14.4		73.6	0.2
1267269	2.9	0.3	0.7	9.3	0.025	0.04	1.9	0.005	0.47	1.1	28	0.05	5.85		1903.7	1.4
1267270	1	0.5	0.6	21.9	0.025	0.03	0.4	0.008	0.39	1.1	23	0.05	7.19		5769.1	0.6
1267271	0.3	0.3	1.2	42.9	0.025	0.03	0.2	0.004	0.06	0.5	6	0.05	2.96		468.2	0.4
1267272	2.3	0.4	4.2	31.3	0.025	0.05	1.3	0.008	0.38	1.1	35	0.1	12.88		425.5	1
1267273	2.6	0.2	1.1	10.3	0.025	0.03	1.7	0.006	0.4	1.5	43	0.1	9.63		978.7	0.9
1267274	3.1	0.4	0.8	12.4	0.025	0.04	2.1	0.012	1.36	2.1	44	0.1	11.07		1612.3	0.7
1267275	0.8	0.3	0.5	30	0.025	0.02	0.4	0.007	0.13	2.2	24	0.05	7.63		175.2	0.6
1267276	3.5	0.4	0.5	12.1	0.025	0.03	2.8	0.004	0.97	2.1	37	0.05	13.14		987.5	2
1267277	2.6	0.4	0.8	34.5	0.025	0.02	2.8	0.014	0.52	1.3	30	0.1	9.98		411.5	1.1
1267278	2.2	0.2	0.7	9.7	0.025	0.05	2.8	0.005	0.24	0.5	42	0.05	2.47		266.1	0.7
1267279	2.7	0.6	1.4	24.7	0.025	0.04	1.3	0.008	0.4	2.3	39	0.1	10.4		369.8	1.1
1267280	1.6	0.2	0.8	9.5	0.025	0.04	1.8	0.002	0.15	0.7	36	0.05	2.61		109	0.4
1267281	2.5	0.2	0.6	24.2	0.025	0.05	4.3	0.005	0.17	0.9	39	0.05	3.96		106.8	1.5
1267282	3.1	0.5	4.1	104.2	0.025	0.07	2	0.002	0.11	2.6	21	0.05	14.81		68.5	1.5
1267283	6.3	0.6	1.9	85.2	0.025	0.06	5.2	0.0005	0.21	1	17	0.05	17.42		92.2	3.5
1267284	2.9	0.5	1.9	77.7	0.025	0.1	1.7	0.003	0.12	2.6	35	0.05	20		112.2	2.7
1267285	1.9	0.7	0.8	83.2	0.025	0.01	0.9	0.007	0.13	10.1	31	0.05	10.65		96.3	3
1267286	3.9	0.4	1.3	51.3	0.025	0.02	3.3	0.01	0.14	3.3	40	0.05	9.58		65.8	4.3
1267287	6	0.4	6.8	47.6	0.025	0.01	5	0.01	0.16	3	40	0.05	17.73		73.8	5.3
1267288	4.4	0.6	1.6	67.5	0.025	0.01	2.8	0.008	0.12	2.5	34	0.05	16.29		60.4	4.1
1267289	4.5	0.6	2.1	65.9	0.025	0.01	3.3	0.009	0.13	1.9	34	0.05	13.39		71.7	4.3
1267290	4	0.9	1.7	74.6	0.025	0.01	2.6	0.008	0.12	3.2	32	0.05	13.45		71.7	3.9
1267291	3.2	1.2	2.3	93.1	0.025	0.03	1.5	0.007	0.13	9.9	28	0.05	12.31		65.4	2.8
1267292	1.7	0.9	2.6	112.6	0.025	0.01	1	0.004	0.09	5.9	21	0.05	7.66		70.2	2.6
1267293	3.4	0.3	1.5	34.7	0.025	0.06	4.6	0.001	0.11	1.9	30	0.05	8.92		85.5	2.4
1267294	2.1	0.4	1.8	134	0.025	0.05	2.9	0.003	0.38	4.8	78	0.05	11.44		87.6	3.1

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1267304	AP	2011-08-28	UTM83-8	7128201	592352	1314	WH11001355	30	0.22	6.3	0.1	2	31.1	0.2	0.04	14.93	0.16	6.4	1.8	5.7	0.24	3.92	0.42	0.5	0.05	0.01	13	0.01	0.02	4.7	1.7	7.81	449	0.38	0.006	0.08	4.4	0.028	4.78	5	1	1.8	0.5	0.01	0.27	
1267305	AP	2011-08-28	UTM83-8	7128255	592351	1287	WH11001355	122	1.18	13.5	0.5	4	116.4	0.5	0.22	3.82	0.65	22.6	8.3	21.7	1.05	16.83	2.01	3.1	0.05	0.01	53	0.03	0.05	12.9	8.9	1.75	886	1.24	0.007	0.64	19.1	0.113	17.23	5	1	6.8	1	0.14	0.83	
1267306	AP	2011-08-28	UTM83-8	7128304	592349	1271	WH11001355	73	0.96	16	0.6	4	129.4	0.6	0.2	4.28	0.68	20.1	7.8	17.9	0.83	12.21	1.94	2.6	0.05	0.01	51	0.01	0.06	8.9	7.1	1.75	568	2.69	0.004	0.52	16.6	0.089	19.2	5	1	8.1	0.5	0.09	0.71	
1267307	AP	2011-08-28	UTM83-8	7128346	592355	1245	WH11001355	45	0.4	9.2	0.5	3	42.7	0.3	0.08	15.37	0.26	13.2	3.9	10.6	1.07	7.62	0.87	1	0.05	0.01	34	0.01	0.05	7	3.5	7.43	260	1.61	0.008	0.17	14.4	0.055	11.27	5	1	3.9	2	0.01	0.55	
1267308	AP	2011-08-28	UTM83-8	7128402	592353	1236	WH11001355	253	0.71	19.4	1	4	68.1	0.6	0.1	11.57	1.01	12.8	5.3	12.7	0.81	9.47	3.93	1.8	0.05	0.05	207	0.01	0.07	6.9	4.4	4.91	797	1.63	0.004	0.16	14.8	0.053	123.48	5	1	5.8	0.5	0.01	1.24	
1267309	AP	2011-08-28	UTM83-8	7128458	592349	1231	WH11001355	166	1.36	19	1.1	5	123.1	0.7	0.18	5.33	0.53	27.9	8	26.9	1.15	11.98	3.39	3.2	0.05	0.04	84	0.03	0.1	13.3	10.6	3	897	1.25	0.004	0.36	19.5	0.071	73.31	5	1	10.4	0.5	0.03	0.91	
1267310	AP	2011-08-28	UTM83-8	7128501	592348	1202	WH11001355	62	0.78	16.2	0.4	7	58.5	0.5	0.15	9.78	0.25	19.3	7.5	26.3	1.74	17.31	1.57	2.1	0.05	0.05	74	0.03	0.17	8.4	7.7	4.98	370	0.73	0.007	0.21	19.9	0.127	25.61	5	1	10	2	0.01	0.82	
1267311	AP	2011-08-28	UTM83-8	7128546	592350	1172	WH11001355	26	0.22	8.8	0.1	2	27.6	0.2	0.04	17.91	0.15	7.4	2.5	7.7	0.48	4.54	0.47	0.6	0.05	0.01	21	0.01	0.03	4.6	2	8.71	227	0.89	0.007	0.12	9.1	0.043	6.11	5	1	2.3	0.5	0.01	0.51	
1267312	AP	2011-08-28	UTM83-8	7128604	592358	1165	WH11001355	168	1	35	0.1	5	180.9	1.5	0.51	0.22	0.12	23.9	34.1	17.8	21.83	49.52	3.63	2.8	0.05	0.03	48	0.06	0.24	9.1	11.4	0.27	916	1.01	0.001	0.15	37.7	0.043	87.27	5	2	2.4	0.5	0.08	0.76	
1267313	AP	2011-08-28	UTM83-8	7128648	592347	1171	WH11001355	53	0.36	2.4	0.9	7	100.5	0.3	0.12	4.36	0.26	4.9	2.1	7.1	0.45	14.87	0.45	0.9	0.05	0.06	91	0.01	0.02	2.5	1.9	0.44	92	0.39	0.003	0.21	9.7	0.091	10.21	5	1	1.4	0.5	0.19	0.36	
1267314	AP	2011-08-28	UTM83-8	7128697	592349	1159	WH11001355	136	1.18	12.2	2.1	5	89.4	0.9	0.19	1.11	0.32	34.4	8.6	34.1	1.45	23.17	2.78	3.4	0.05	0.06	134	0.03	0.11	18.2	16.9	0.61	284	0.67	0.001	0.34	23.7	0.055	28.44	5	1	9.9	1	0.04	0.63	
1267315	AP	2011-08-28	UTM83-8	7128748	592348	1140	WH11001355	110	1.27	8.7	1	6	113.9	0.8	0.19	1.39	0.31	31.2	8.8	36.1	2.64	20.56	2.16	3.8	0.05	0.07	67	0.03	0.1	15.3	20.5	0.86	371	0.77	0.008	0.53	21.8	0.056	21.25	5	1	14.5	0.5	0.07	0.66	
1267316	AP	2011-08-28	UTM83-8	7128804	592352	1150	WH11001355	133	1.28	9.3	2.8	3	119.6	1	0.19	1.44	0.32	41.5	9.3	38.5	1.36	23.37	2.68	4	0.05	0.06	72	0.03	0.07	20.3	20.4	0.85	358	0.85	0.005	0.55	22.8	0.052	21.53	5	1	9.7	0.5	0.04	0.66	
1267317	AP	2011-08-28	UTM83-8	7128851	592350	1147	WH11001355	130	0.99	8.2	2.9	3	99.9	0.8	0.25	1.91	0.33	43	9.3	35.3	1.64	22.5	2.3	3.2	0.05	0.06	64	0.03	0.07	20	17.7	1.12	308	0.98	0.005	0.53	23.7	0.066	16.26	5	1	9.3	0.5	0.03	0.61	
1267318	AP	2011-08-28	UTM83-8	7128905	592350	1148	WH11001355	132	1.14	6.6	2.1	4	261.8	0.9	0.21	2.23	0.32	25	8.2	26	1.04	25.47	2.2	3.1	0.05	0.04	94	0.03	0.08	10.9	13.5	0.63	509	0.66	0.003	0.46	17.9	0.089	23.92	5	1	7.3	0.5	0.1	0.85	
1267319	AP	2011-08-28	UTM83-8	7128950	592349	1140	WH11001355	133	1.23	12.7	6.7	5	153.6	1	0.4	1.3	0.5	32.8	12.6	25.1	1.33	25.81	3.2	3.7	0.05	0.08	126	0.06	0.1	14.3	18.8	0.89	558	0.91	0.003	0.33	27.3	0.051	39.8	5	1	7.6	0.5	0.04	1.51	
1267320	AP	2011-08-28	UTM83-8	7129002	592346	1120	WH11001355	127	1.13	6.9	7.3	4	164.9	0.9	0.37	1.51	0.31	30.3	9.9	32.3	1.57	32.5	2.46	3.7	0.05	0.11	112	0.04	0.09	14	17.9	0.67	328	0.62	0.003	0.36	24.3	0.068	22.49	5	1	9.3	0.5	0.08	0.88	
1267321	AP	2011-08-28	UTM83-8	7129052	592349	1095	WH11001355	127	1.13	6.9	7.3	4	164.9	0.9	0.37	1.51	0.31	30.3	9.9	32.3	1.57	32.5	2.46	3.7	0.05	0.11	112	0.04	0.09	14	17.9	0.67	328	0.62	0.003	0.36	24.3	0.068	22.49	5	1	9.3	0.5	0.08	0.88	
1267322	AP	2011-08-28	UTM83-8	7129100	592348	1072	WH11001355	135	0.94	7.8	5.2	5	152.7	0.8	0.27	2.49	0.34	29.3	9.5	28.9	1.4	29.61	2.49	2.7	0.05	0.07	92	0.03	0.09	13.1	13.2	1.17	371	0.97	0.004	0.28	26.3	0.065	25.59	5	2	7.7	2	0.05	1.09	
1267323	AP	2011-08-28	UTM83-8	7129149	592347	1053	WH11001355	113	1.12	7.8	4.3	5	178.2	0.9	0.27	1.38	0.39	33.9	10	26.2	1.28	25.69	2.47	3.4	0.05	0.08	72	0.04	0.1	15.6	18.3	0.87	408	0.53	0.004	0.39	23.7	0.061	26.18	5	1	8.3	0.5	0.05	1.05	
1267324	AP	2011-08-28	UTM83-8	7129193	592349	1032	WH11001355	100	1.15	6.1	5.6	9	207.1	0.8	0.35	1.76	0.39	31.2	9.4	28.5	1.85	27.4	1.17	3.4	0.05	0.08	82	0.04	0.11	14.9	18.3	0.82	383	0.42	0.004	0.35	23.9	0.067	21.32	5	1	10.4	0.5	0.08	0.85	
1267325	AP	2011-08-28	UTM83-8	7129152	593104	1262	WH11001355	82	1.32	4.9	3.2	3	102.6	1.2	0.19	1.55	0.33	53.2	10	43.1	2.56	29.36	2.7	4.4	0.05	0.13	61	0.04	0.11	27.6	28.5	1.75	223	0.54	0.002	0.23	24.5	0.068	21.9	5	1	11.6	0.5	0.03	0.26	
1267326	AP	2011-08-28	UTM83-8	7129203	593102	1265	WH11001355	79	1.77	4	2.8	4	182.4	1	0.16	1.47	0.22	42.7	8.1	44.5	1.48	28.95	2.14	5.9	0.05	0.13	47	0.03	0.08	21.4	48.8	1.96	284	0.3	0.005	0.35	22.3	0.075	22.58	5	1	9	0.5	0.08	0.25	
1267327	AP	2011-08-28	UTM83-8	7129247	593101	1253	WH11001355	210	1.83	10.5	7.7	3	66.4	1.2	0.23	0.6	0.19	62.7	21.6	43.4	4.09	46.36	2.65	5.5	0.05	0.16	39	0.04	0.11	30.1	45.3	1.94	382	0.94	0.0005	0.22	26.2	0.041	38.03	5	1	12.2	0.5	0.03	0.46	
1267328	AP	2011-08-28	UTM83-8	7129300	593099	1215	WH11001355	130	1.44	4	2.1	5	127.7	0.9	0.16	1.02	0.28	51	8.5	42.5	1.78	26.82	2.39	4.7	0.05	0.13	51	0.04	0.1	25.2	38.8	1.46	219	0.43	0.001	0.29	23.4	0.06	19.21	5	1	11.3	0.5	0.06	0.32	
1267329	AP	2011-08-28	UTM83-8	7129349	593103	1190	WH11001355	97	2.26	4.8	3.2	5	181.4	1.2	0.18	1.05	0.33	52.2	9.6																											

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1267304	0.5	0.3	1	48.8	0.025	0.01	0.2	0.005	0.23	1.2	15	0.05	6.29		20.2	0.3
1267305	1	0.5	1.6	26.2	0.025	0.05	0.3	0.01	0.29	1.9	48	0.1	11.05		114.1	0.7
1267306	1.3	0.4	1.6	32.5	0.025	0.01	0.5	0.005	0.27	2.8	43	0.05	7.32		108.5	0.7
1267307	1.1	0.4	3.4	69.6	0.025	0.01	0.6	0.008	0.22	2.9	26	0.05	7.08		30.7	0.6
1267308	1.5	0.3	2.2	47.1	0.025	0.01	0.8	0.003	1.7	1.1	22	0.05	9.78		416.9	1.2
1267309	2.8	0.3	1.8	34.4	0.025	0.03	1.8	0.006	1.11	1.5	38	0.05	11.96		249.7	1.6
1267310	2.2	0.2	3.2	63.7	0.025	0.04	2.5	0.004	0.97	4.7	26	0.05	9.05		81.6	2.2
1267311	0.7	0.4	1	76.1	0.025	0.01	0.3	0.003	0.35	2.1	16	0.05	6.78		32.6	0.6
1267312	5.4	0.3	7.1	14.8	0.025	0.1	4.4	0.003	0.69	1.9	16	0.05	13.38		147.3	1.8
1267313	0.3	0.8	3.9	76.6	0.025	0.01	0.1	0.003	0.13	6.9	4	0.05	3.09		21.4	1.9
1267314	4.2	0.6	1.1	35.6	0.025	0.01	2.5	0.006	0.34	2	31	0.05	12.68		124.6	2.4
1267315	3.5	1.3	3	44.1	0.025	0.01	1.8	0.012	0.32	6	31	0.05	10.44		94.3	2.6
1267316	5.1	0.9	1.4	54.6	0.025	0.01	2.9	0.008	0.19	2.4	36	0.05	15.85		97.2	2.7
1267317	5.2	1.1	1.5	62.1	0.025	0.01	3.5	0.012	0.15	2	29	0.05	14.28		88.8	3.4
1267318	2.2	2	1.1	75.5	0.025	0.01	0.7	0.006	0.16	8.2	26	0.05	9.1		80.3	1.6
1267319	4.7	0.8	1	40.3	0.025	0.03	3.4	0.003	0.17	1.2	26	0.05	14.69		147.6	3.1
1267320																
1267321	4.3	2.2	0.7	55.1	0.025	0.01	2.1	0.004	0.2	4	28	0.05	14		137.1	3.9
1267322	3.8	1.4	2.4	56	0.025	0.01	2.2	0.003	0.21	1.9	22	0.1	13.89		131.5	3.1
1267323	3.7	1.1	3.6	45.9	0.025	0.01	2.8	0.004	0.19	2.5	23	0.05	13.09		137	3.3
1267324	3.4	1.1	0.5	51.9	0.025	0.03	2.5	0.006	0.18	1.8	21	0.05	11.82		134.4	3.5
1267325	6.6	1.1	2	58.9	0.025	0.01	4.8	0.003	0.11	1.1	29	0.05	18.46		109.7	4.8
1267326	4	1.3	0.5	50.1	0.025	0.01	1.9	0.006	0.1	3.8	28	0.05	16.48		91.8	4.8
1267327	7.8	1.1	1.1	19	0.025	0.01	5.4	0.002	0.14	1	25	0.05	18.63		70.3	6.8
1267328	5.4	1.3	0.5	44.8	0.025	0.01	3.3	0.003	0.12	1.8	28	0.05	16.93		115.7	5.3
1267329	7.7	1	1.8	38	0.025	0.01	4	0.007	0.12	1.7	36	0.05	21.42		110.4	6.5
1267330	6.5	0.6	0.5	44.2	0.025	0.01	5.4	0.006	0.1	1.5	25	0.05	19.02		100.7	7.5
1267331	4.7	0.7	1.5	92.6	0.025	0.01	2.7	0.005	0.1	2.4	20	0.05	19.72		88.8	6.9
1267332	5.9	0.3	0.6	72	0.025	0.01	6.9	0.004	0.09	3.1	21	0.05	18.16		124.8	7.2
1267333	5	0.9	0.6	59.2	0.025	0.01	3	0.005	0.14	3.6	26	0.05	15.79		114	4.8
1267351	12.8	0.1	2.5	18.5	0.025	0.05	3.8	0.001	0.11	4.5	24	0.05	41.18		673.6	3.2
1267352	1.6	0.4	0.7	28.8	0.025	0.04	0.8	0.005	0.77	2.1	18	0.05	11.58		1701.2	0.8
1267353	0.9	0.5	1.4	35.1	0.025	0.01	0.3	0.006	0.8	1.9	13	0.05	7.12		2337.6	0.3
1267354	0.9	0.8	0.3	40.9	0.025	0.02	0.7	0.002	3.71	2.2	1	0.05	6.51	1.08	10000	0.6
1267355	1.7	0.6	1.4	45.2	0.025	0.01	1	0.002	0.48	2	5	0.05	8.93		3335.5	1.1
1267356	3.6	0.2	0.8	4.4	0.025	0.07	4.7	0.004	0.21	0.7	27	0.05	2.93		179.8	1.1
1267357	2.1	0.5	1.7	5.6	0.025	0.07	3.5	0.016	0.16	0.6	57	0.2	2.23		74.2	1.6
1267358	3.3	0.5	0.8	38.4	0.025	0.01	3.1	0.003	0.32	2.8	26	0.05	10.72		834.3	1.8
1267359	0.6	1	0.7	79.4	0.025	0.04	0.4	0.002	2.24	1.9	1	0.05	7.55		9745.8	0.5
1267360	1.2	0.4	0.5	55.6	0.025	0.03	0.9	0.008	0.38	2.3	15	0.05	6.59		338.3	0.5
1267361	1.7	0.6	2	39.2	0.025	0.04	1.8	0.014	1.23	1.3	23	0.1	7.15		1810.9	0.7
1267362	2	0.5	0.5	13.6	0.025	0.02	2.8	0.002	0.41	1.3	14	0.05	6.64		370	2
1267363	2.3	0.4	0.7	46	0.025	0.05	2.8	0.002	0.15	1	31	0.05	4.79		86.2	1.7
1267364	2.8	0.5	1.1	33.1	0.025	0.08	4.3	0.004	0.13	1.2	27	0.05	8.6		92	1.9
1267365	5.3	0.9	0.9	40.8	0.025	0.02	3	0.008	0.1	1.5	28	0.05	18.63		99.6	4.4
1267366	6	1.1	0.6	42.3	0.025	0.04	3.3	0.011	0.11	2.2	34	0.05	24.66		86.8	3.3
1267367	5.1	1.1	0.8	84.7	0.025	0.01	5.9	0.001	0.06	1.2	27	0.05	13.73		100.2	5
1267368	5.3	0.7	0.8	23	0.025	0.05	3.9	0.009	0.12	1.2	37	0.1	12.35		89.4	2.3
1267369	4.7	0.6	1	21.6	0.025	0.03	3.5	0.019	0.11	2.4	47	0.2	13.77		73.4	1.4
1267401	3.6	0.5	2.5	39.8	0.025	0.03	3.8	0.001	0.17	1.1	13	0.05	11.96		141.5	3.1
1267402	3.6	0.6	1	40.4	0.025	0.04	3.8	0.001	0.19	1.3	21	0.05	16.44		102.6	3.6
1267403	8.3	1.7	2.4	33.6	0.025	0.05	10.4	0.002	0.87	4.2	32	0.05	44.57		322.1	5.7
1267404	2.9	0.9	1	41	0.025	0.01	3.7	0.002	0.15	1.4	18	0.1	10.03		97.9	4.9
1267405	4.6	0.7	1.1	39.2	0.025	0.04	5.3	0.003	0.35	1.7	27	0.05	22.81		130.6	4.2
1267406	2.1	0.7	1.6	36.5	0.025	0.02	1.7	0.002	0.16	1.3	20	0.05	13.5		68.7	2.5
1267407	2.1	0.5	2.9	30.2	0.025	0.03	2.1	0.001	0.12	1.2	22	0.05	7.95		70.1	2.5
1267408	3.6	0.3	1.8	8.4	0.025	0.04	2.8	0.003	0.12	1.1	25	0.05	7.94		94.3	2
1267409	0.9	0.4	1.8	9.3	0.025	0.04	0.4	0.006	0.14	0.7	41	0.05	3.05		77.8	0.1
1267410	1.9	0.2	1.9	6.8	0.025	0.03	3.7	0.005	0.13	0.6	30	0.05	3.48		133	0.5
1267411	4.3	0.2	0.6	39.9	0.025	0.02	2.1	0.005	0.11	3.6	23	0.05	17.02		123.4	1.8
1267412	4.8	0.3	1.3	21.3	0.025	0.02	3	0.002	0.08	1.6	18	0.05	19.25		144.8	3.8
1267413	4.4	0.6	1.3	61.4	0.025	0.02	4.1	0.003	0.31	1.9	20	0.05	12.76		246.2	5.1
1267414	5.2	0.8	0.6	33.8	0.025	0.01	3.6	0.004	0.17	2.2	28	0.05	15.63		104.6	5.1
1267415	2.9	0.7	1	70.5	0.025	0.01	2.2	0.001	0.25	2.1	16	0.05	12.04		89.2	4.9
1267416	2.3	0.3	5.5	8.4	0.025	0.07	1.9	0.008	0.23	0.7	33	0.05	3.79		118.9	0.4
1267417	4.8	0.1	1.4	16	0.025	0.14	4.1	0.0005	0.19	1.4	17	0.05	13.33		86	0.2
1267418	2.3	0.3	1	29.7	0.025	0.04	2	0.0005	1.57	1.7	11	0.05	6.91		231.5	2.2
1267419	2	0.5	0.5	37.9	0.025	0.03	1.1	0.004	2.08	3.2	21	0.05	14.35		669.8	1.3
1267420	0.6	0.3	0.7	39.4	0.025	0.01	0.2	0.001	1.65	2.1	5	0.05	4.04		536.6	0.3
1267421	1.6	0.3	0.5	14.9	0.025	0.03	0.9	0.008	0.23	1.6	34	0.05	6.48		446.7	1.3
1267422	2.7	0.1	1.6	38.1	0.025	0.03	2.4	0.0005	0.46	0.7	9	0.05	3.79		341	1
1267423	0.7	0.5	1	114.4	0.025	0.02	0.3	0.001	0.74	2.6	5	0.05	6.19		2272.6	0.4
1267424	4	0.05	0.8	12.1	0.025	0.03	2.8	0.002	0.16	0.8	23	0.05	8.11		144.6	0.5
1267425	2.9	0.2	0.7	11.5	0.025	0.03	2.2	0.004	0.14	1.4	24	0.05	11.59		155.2	2.1
1267426	2.1	0.2	0.9	34.6	0.025	0.01	1.4	0.005	0.15	2.5	24	0.05	8.57		97.5	2.2
1267427	2.3	0.1	0.7	8.7	0.025	0.04	1.8	0.005	0.12	0.9	28	0.1	7.97		83.3	0.8
1267428	3.2	0.2	0.5	27.3	0.025	0.01	4	0.018	0.1	0.8	28	0.1	9.32		66	3.2
1267429	3.3	0.2	1.6	6	0.025	0.02	3	0.003	0.1	0.8	24	0.1	5.35		80	1.1
1267430	2.8	0.2	1	6.3	0.025	0.03	3.6	0.006	0.12	0.7	35	0.1	4.35		72.6	1.4
1267431	2	0.3	0.7	82	0.025	0.01	1.1	0.0005	0.61	1.1	22	0.05	7.7		33.3	0.9
1267432	2.6	0.3	4.6	60.1	0.025	0.01	2.1	0.0005	0.36	1.1	20	0.05	7.29		77.7	1.2
1267433	2.3	0.3	1.4	52.2	0.025	0.01	1.4	0.0005	0.3	1						

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1267781	FT	2011-08-27	UTM83-8	7122900	599950	1365	WH11001353	18	1.69	10.2	1.9	2	90.6	0.8	0.42	0.02	0.15	13.5	16.6	31	2.47	23.09	4.02	5.9	0.05	0.02	34	0.04	0.09	5.4	25.5	0.41	1152	0.96	0.002	0.59	23.2	0.033	36.1	5	1	14.7	0.5	0.01	0.47	
1267782	FT	2011-08-27	UTM83-8	7122899	599899	1362	WH11001353	19	1.64	11.2	1.8	1	84.5	0.6	0.39	0.03	0.15	15.8	13.7	30.5	2.36	19.35	3.81	6.8	0.05	0.01	16	0.04	0.07	6.8	17.9	0.34	1167	1.36	0.002	0.48	18.8	0.052	31.41	5	1	12.6	0.5	0.03	0.63	
1267783	FT	2011-08-27	UTM83-8	7122905	599850	1360	WH11001353	18	2.06	11.3	2.5	2	150.4	1.9	0.35	0.03	0.27	24	18.6	32.8	2.42	26.42	4.95	5.2	0.05	0.05	35	0.06	0.13	6.4	32.7	0.42	1862	1.01	0.002	0.32	37.9	0.049	89.96	5	1	16.2	0.5	0.01	0.47	
1267784	FT	2011-08-27	UTM83-8	7122899	599799	1356	WH11001353	5	1.6	12.1	0.6	2	125	1.4	0.35	0.03	0.12	15	14.3	29.3	2.93	21.1	3.63	5.8	0.05	0.01	11	0.04	0.08	6.2	23.4	0.34	1230	1.25	0.002	0.48	20.7	0.033	25.34	5	1	14.8	0.5	0.01	0.56	
1267785	FT	2011-08-27	UTM83-8	7122900	599748	1348	WH11001353	10	1.72	13	1.3	2	63	1	0.41	0.02	0.1	9.1	19.5	34.8	3.18	18.96	4.51	5.3	0.05	0.07	29	0.06	0.09	3.3	31.1	0.38	1309	0.94	0.002	0.58	24.8	0.034	35.17	5	1	14	0.5	0.01	0.44	
1267786	FT	2011-08-27	UTM83-8	7122901	599699	1336	WH11001353	7	0.97	9.7	1.3	0.5	86.2	0.6	0.32	0.02	0.07	22	9.4	17.5	2.24	9.36	2.32	6	0.05	0.01	8	0.02	0.06	10.8	5.8	0.11	847	1.32	0.001	0.71	7.8	0.022	14.4	5	1	12	0.5	0.01	0.57	
1267787	FT	2011-08-27	UTM83-8	7122903	599646	1317	WH11001353	7	1.7	27.5	0.6	2	92.1	1.4	0.51	0.02	0.14	14.3	24.4	32.1	4.98	107.01	4.51	5.2	0.05	0.04	23	0.07	0.09	3.9	26.1	0.44	4046	1.4	0.002	0.43	25.9	0.048	41.4	5	1	12.5	0.5	0.01	0.58	
1267788	FT	2011-08-27	UTM83-8	7122896	600152	1392	WH11001354	49	1.99	15.8	0.1	0.5	58.3	1	0.45	0.04	0.13	17.5	20.4	39.3	3.22	27.45	5.05	8.3	0.05	0.04	36	0.06	0.1	6.8	27.9	0.38	2066	1.32	0.003	0.66	23.4	0.053	72.6	5	1	13.1	0.5	0.03	0.59	
1267789	FT	2011-08-27	UTM83-8	7122901	600203	1380	WH11001354	21	1.35	7.2	0.1	0.5	80.3	0.6	0.37	0.04	0.09	12.7	13.5	25.2	1.94	14.18	3.43	7.1	0.05	0.01	22	0.03	0.12	5.9	9.2	0.17	1155	1.27	0.002	0.65	14.6	0.046	24.45	5	1	20.3	1	0.01	0.66	
1267790	FT	2011-08-27	UTM83-8	7122901	600250	1367	WH11001355	46	1.27	6.9	3.1	2	135	0.9	0.45	0.03	0.32	13.7	14.7	26.1	1.69	35.35	3.19	5.3	0.05	0.01	36	0.05	0.11	5.9	6.5	0.15	3716	1.16	0.005	0.43	15.3	0.063	22.97	5	1	16.1	0.5	0.04	0.68	
1267791	FT	2011-08-27	UTM83-8	7122900	600300	1352	WH11001355	59	1.25	6.4	0.9	3	93.3	0.7	0.43	0.03	0.27	8.9	22.5	24.5	3.07	37.23	3.88	4.6	0.05	0.01	29	0.04	0.13	3.8	11.8	0.18	2004	1.05	0.005	0.62	15.3	0.053	30.32	5	1	16	0.5	0.04	0.48	
1267792	FT	2011-08-27	UTM83-8	7122899	600350	1340	WH11001355	157	0.96	9.2	2.1	3	319.5	0.4	0.18	5.58	7.69	16	5.6	16.2	0.79	15.44	3.24	2.9	0.05	0.03	933	0.03	0.03	7.9	8.6	3.2	865	1.27	0.006	0.39	17.4	0.11	7451.4	5	1	5.8	0.5	0.05	0.48	
1267793	FT	2011-08-27	UTM83-8	7122899	600400	1347	WH11001355	49	0.31	4.5	0.7	2	101	0.2	0.06	18.37	1.76	10	2.5	6.5	0.29	2.94	1.08	0.8	0.05	0.02	41	0.01	0.02	4.9	2.9	8.52	1917	0.57	0.007	0.13	5	0.067	243.18	5	1	3.9	0.5	0.01	0.17	
1267794	FT	2011-08-27	UTM83-8	7122904	600446	1355	WH11001355	90	1.88	9.6	3.4	1	1031.9	0.9	0.24	2.57	8.74	28.9	8.6	24.8	0.9	8.92	4.61	4.1	0.05	0.03	261	0.03	0.03	14.1	9.7	1.69	4215	1.43	0.001	0.53	17.4	0.072	1013.23	5	1	5.7	0.5	0.05	0.54	
1267795	FT	2011-08-27	UTM83-8	7122898	600497	1339	WH11001355	43	1.84	10.6	0.9	2	196.1	1.1	0.28	0.33	1.24	16.7	6.6	28.1	1.29	10.11	5.43	5.1	0.05	0.01	37	0.04	0.04	7.5	13.8	0.38	1778	1.68	0.005	0.59	17.5	0.098	156.3	5	1	8.8	0.5	0.04	0.44	
1267796	FT	2011-08-27	UTM83-8	7122900	600542	1324	WH11001355	43	1.89	9.3	0.3	2	166.6	1.1	0.23	0.21	0.77	32.3	9.1	25.1	1.38	9.83	5.06	4.6	0.05	0.04	63	0.03	0.04	15.6	9.8	0.27	5634	1.08	0.005	0.36	17.5	0.096	177.81	5	1	9.8	0.5	0.03	0.36	
1267797	FT	2011-08-27	UTM83-8	7122905	600605	1314	WH11001355	138	1.68	10.8	0.8	2	135.8	1	0.22	2.44	2.14	23	7.6	25.1	0.98	10.52	4.34	4	0.05	0.03	105	0.03	0.04	12.4	10.5	1.35	3005	1.1	0.002	0.38	17.2	0.154	41.97	5	1	8.4	0.5	0.08	0.48	
1267798	FT	2011-08-27	UTM83-8	7122902	600649	1308	WH11001355	36	1.86	9.9	0.3	2	161.8	0.9	0.25	0.63	3.29	29.8	9.8	25.3	1.19	9.91	3.82	4.5	0.05	0.01	39	0.03	0.05	10.6	12.7	0.46	2395	1.25	0.005	0.62	17.6	0.063	80.5	5	2	13.1	0.5	0.03	0.43	
1267799	FT	2011-08-27	UTM83-8	7122899	600701	1282	WH11001355	127	0.95	9.3	1.1	2	131.5	0.8	0.16	6.75	4.25	17.2	6.4	15.4	0.55	10.42	5.46	2.4	0.05	0.04	78	0.01	0.03	9.5	7.2	3.65	3050	1.16	0.005	0.25	15.5	0.071	106.06	5	1	5.1	0.5	0.01	0.32	
1267800	FT	2011-08-27	UTM83-8	7122904	600753	1267	WH11001355	78	0.74	4.8	0.3	2	78.8	0.6	0.32	0.4	0.45	10.7	6.6	10.8	0.74	16.34	3.21	2.1	0.05	0.03	22	0.03	0.08	4.8	7.3	0.16	294	0.8	0.005	0.19	14.5	0.044	49.83	5	1	7.9	0.5	0.04	0.25	
1267921	PM	2011-08-27	UTM83-8	7129401	596846	1743	WH11001354	35	1.72	2.7	5.6	3	494.4	0.9	0.15	0.37	0.15	60.5	10.6	37.9	1.19	8.31	2.68	5	0.05	0.09	15	0.04	0.09	27.9	42	1.65	368	0.43	0.003	0.3	28.4	0.053	11.27	5	1	8.3	2	0.03	0.34	
1267922	PM	2011-08-27	UTM83-8	7129352	596850	1712	WH11001354	37	1.56	1.7	4.1	4	357.7	1.1	0.17	0.83	0.2	48.9	9.2	34.3	1.51	7.59	2.35	4.5	0.05	0.11	27	0.03	0.1	26.3	35.3	1.53	255	0.34	0.003	0.37	25.2	0.077	9.15	5	1	9	0.5	0.06	0.28	
1267923	PM	2011-08-27	UTM83-8	7129303	596851	1684	WH11001354	30	1.79	1.4	4.5	4	169.3	1	0.13	0.41	0.15	53.8	8.8	37.2	1.5	13.74	2.28	4.9	0.05	0.1	23	0.03	0.12	29	43.6	1.94	181	0.27	0.002	0.23	24.5	0.061	7.06	5	1	9.8	0.5	0.03	0.25	
1267924	PM	2011-08-27	UTM83-8	7129254	596850	1657	WH11001354	39	2.28	2.2	8.6	4	219	1.2	0.15	0.52	0.18	57	10.1	51	1	42.69	2.71	6.6	0.05	0.17	225	0.03	0.11	30.5	57.8	2.7	212	0.29	0.002	0.24	28.2	0.071	20.44	5	1	9.4	1	0.04	0.21	
1267925	PM	2011-08-27	UTM83-8	7129197	596851	1647	WH11001354	52	1.86	4.4	11.7	4	52.6	0.9	0.14	0.4	0.22	53.5	8.9	43.5	1.36	31.92	2.34	5.4	0.05	0.15	21	0.02	0.1	28.6	51.8	2.28	180	0.23	0.001	0.22	24	0.043	13.5	5	1	9.3	0.5	0.03	0.17	
1267926	PM	2011-08-27	UTM83-8	7129152	596850	1624	WH11001354	64	2.02	2.3	6.8	5	86.5	1.3	0.16	1.31	0.12	56.2																												

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1267781	2.9	0.2	1.1	4.5	0.025	0.05	3.8	0.006	0.16	0.8	36	0.1	4.6		100.3	1.2
1267782	1.4	0.4	1.2	5.4	0.025	0.05	0.7	0.008	0.15	0.7	45	0.2	3.84		81.2	0.2
1267783	4.5	0.2	0.8	5.1	0.025	0.07	5.7	0.004	0.28	1.1	34	0.1	6.57		238.8	1.8
1267784	3.1	0.3	0.9	5.3	0.025	0.06	3.2	0.007	0.16	0.9	43	0.2	4.99		76	0.8
1267785	3	0.4	1.2	3.8	0.025	0.05	5.4	0.006	0.13	0.8	31	0.2	4.37		78.3	2
1267786	1.8	0.2	1	4.4	0.025	0.01	2.2	0.012	0.13	0.6	46	0.2	2.95		35.7	0.2
1267787	3.8	0.3	1.3	5	0.025	0.06	6.1	0.007	0.1	1.3	33	0.2	4.55		85.2	1.6
1267788	3.1	0.6	5.3	6.1	0.025	0.04	5	0.008	0.1	1	44	0.1	4.59		87.7	1.3
1267789	1.5	0.3	1	5.1	0.025	0.06	2.2	0.006	0.11	0.8	52	0.1	3.13		63.3	0.4
1267790	1.1	0.3	1.3	4.6	0.025	0.06	0.3	0.01	0.11	0.7	42	0.1	3.17		73.6	0.05
1267791	2.8	0.3	2.7	3.8	0.025	0.08	1.6	0.011	0.12	0.7	32	0.1	2.64		74	0.3
1267792	1.7	0.5	0.5	26.1	0.025	0.02	1.3	0.012	1.34	1	23	0.1	7.31		7783.1	0.8
1267793	1	0.3	1.1	41.4	0.025	0.01	0.8	0.005	0.23	1.8	8	0.05	4.76		793.4	0.7
1267794	3.3	0.4	0.9	13	0.025	0.04	1.8	0.014	0.99	1.3	33	0.1	10.95		2849.3	0.9
1267795	1.9	0.2	1.2	6.8	0.025	0.03	1.4	0.006	0.94	1.1	42	0.2	4.43		2882.6	0.6
1267796	3.2	0.2	0.8	5.8	0.025	0.03	2.8	0.005	0.66	1.6	37	0.1	13.47		851	1.4
1267797	1.7	0.5	1.2	14.5	0.025	0.04	0.8	0.01	0.31	1.8	43	0.05	13.57		607.2	0.9
1267798	3.2	0.2	3.9	8.5	0.025	0.06	2.2	0.007	0.32	1.1	39	0.1	8.34		734.1	0.8
1267799	2.5	0.4	0.9	27.9	0.025	0.04	2	0.006	0.73	1.7	19	0.05	10		1901.3	1.1
1267800	2.3	0.2	0.8	12.5	0.025	0.04	3	0.002	0.22	0.9	16	0.05	5.53		250.3	1.2
1267921	4.4	0.1	0.7	17.2	0.025	0.04	5.4	0.005	0.09	1.1	25	0.05	11.9		86.4	3.4
1267922	4.2	0.3	0.6	29.6	0.025	0.02	3.5	0.006	0.09	1.4	20	0.05	16.59		85.9	3.3
1267923	4.2	0.2	0.8	15.7	0.025	0.03	4.2	0.005	0.09	1.1	22	0.05	15.1		87	3.5
1267924	5.4	0.5	1	18.5	0.025	0.02	4.8	0.004	0.09	1.3	31	0.05	19.23		102	5.8
1267925	4.7	0.7	0.9	15.8	0.025	0.01	4.9	0.006	0.09	0.8	29	0.05	16.53		84	4.8
1267926	5.2	1	0.9	28.1	0.025	0.01	5.9	0.005	0.1	1	31	0.05	15.94		93.8	5.8
1267927	4.5	0.6	1.3	45.3	0.025	0.01	6.1	0.004	0.11	1.1	31	0.05	12.52		91.7	6.3
1267928	4.6	0.4	1.3	19.1	0.025	0.01	5.5	0.006	0.12	1.1	36	0.05	13.7		96.6	4.5
1267929	2.7	0.4	1.1	49	0.025	0.01	3.3	0.006	0.26	4	27	0.05	12.13		84	4.3
1267930	1	0.4	0.5	48.1	0.025	0.01	0.8	0.002	0.15	3	16	0.05	7.11		110.7	1.4
1267931	2.4	0.3	1.1	11.9	0.025	0.04	1.8	0.004	0.22	1.8	37	0.05	16.39		128	1.5
1267932	1.3	0.2	1.3	12.3	0.025	0.03	1.1	0.004	0.22	1.8	40	0.05	5.02		113.6	0.7
1267933	2	0.3	1	14.7	0.025	0.05	2	0.004	0.2	1.5	37	0.05	6.59		133.3	1
1267934	2.1	0.2	1.1	17.4	0.025	0.04	1.8	0.003	0.28	1.7	27	0.05	7.61		246.9	1.5
1267935	3.2	0.3	1.4	29.6	0.025	0.05	1.9	0.006	0.52	2.1	35	0.05	20.89		437.2	1.2
1267936	1.6	0.3	0.9	12.9	0.025	0.03	1.2	0.003	0.31	1.2	22	0.05	7.23		245.1	1.3
1267937	2.5	0.2	1.1	16.4	0.025	0.05	2.3	0.003	1.41	1.4	25	0.05	11.64		791.1	1.6
1267938	2.3	0.3	1.1	20.6	0.025	0.01	2.1	0.004	0.39	1.3	20	0.05	8.89		354.7	1.8
1267939	2.6	0.4	1.4	17.9	0.025	0.03	3	0.004	1.27	1.2	20	0.05	8.58		1265.6	2.1
1267940	3	0.2	0.8	22.7	0.025	0.02	2.7	0.002	0.15	1.4	20	0.05	15.47		68.2	1.9
1267941	2.7	0.1	0.9	17.5	0.025	0.03	2.1	0.002	0.17	1.4	23	0.05	17.76		173.1	2.5
1267942	3.7	0.3	1.5	15.3	0.025	0.04	3.2	0.002	0.22	1.3	32	0.05	7.77		157.4	3.8
1267943	3.9	0.1	1.6	9.3	0.025	0.02	5.2	0.004	0.17	1.2	27	0.05	8.89		84	2.5
1267944	2.4	0.1	1	11	0.025	0.04	3.7	0.004	0.16	1	25	0.05	6.47		68.7	1.3
1267945	3.5	0.05	0.7	14.1	0.025	0.02	5.7	0.004	0.12	1.6	21	0.05	15.63		72.4	3.1
1267946	3.8	0.2	1.2	19.8	0.025	0.04	2.8	0.002	0.19	2.2	32	0.05	10.11		94.1	2.1
1267947	4.9	0.2	3.5	22	0.025	0.05	4.4	0.004	0.2	1.4	29	0.05	15.93		99.1	2.6
1267948	6.9	0.1	1.7	14.5	0.025	0.05	4.3	0.002	0.28	1.3	28	0.05	12.57		118.4	3.4
1267949	6.4	0.05	2.2	24	0.025	0.07	5.5	0.005	0.13	2.8	36	0.2	11.3		99.7	2.7
1267950	1.1	0.4	1.6	9.4	0.025	0.08	0.5	0.008	0.15	1.5	59	0.05	4.6		60.7	0.4
1267991	2.1	0.5	0.9	7.7	0.025	0.05	2.4	0.014	0.14	0.9	50	0.2	3.38		58.4	0.3
1267992	2.6	0.4	1.1	7.9	0.025	0.06	3.6	0.01	0.11	0.9	40	0.1	4		86	0.6
1267993	2.3	0.3	1.7	4.6	0.025	0.05	3.7	0.01	0.07	0.9	41	0.2	3.23		62	0.4
1267994	2.1	0.4	1.1	7.5	0.025	0.06	2.9	0.03	0.13	1	60	0.2	2.74		84.4	0.5
1267995	1.9	0.3	2.4	7.9	0.025	0.09	1.6	0.014	0.11	1.2	49	0.2	4.05		67.3	0.2
1267996	4.1	0.5	1.3	6.8	0.025	0.05	6.6	0.008	0.18	1.3	42	0.2	5.53		110.2	2.7
1267997	2.7	0.4	2	6.4	0.025	0.06	3.3	0.004	0.12	1	35	0.05	5.74		72.5	0.7
1267998	1.9	0.3	1	5.7	0.025	0.06	1.1	0.005	0.12	0.9	36	0.1	3.63		74.9	0.3
1267999	1.2	0.4	1.6	6.7	0.025	0.06	0.8	0.017	0.12	0.8	53	0.1	2.88		91.6	2.9
1268000	3.6	0.2	0.7	25.9	0.025	0.01	3.6	0.0005	0.45	0.7	12	0.05	8.05		269.9	1.2
1298501	2.8	0.4		28.1			0.03	1.3	0.005	0.11	0.8	20	0.05		67.7	
1298502	3.6	0.5		64.5			0.02	1.2	0.003	0.14	0.5	27	0.05		88.3	
1298503	3	0.5		593.1			0.04	0.9	0.001	0.15	0.4	18	0.05		51.3	
1298504	2.7	0.5		723.4			0.01	1	0.001	0.17	0.6	17	0.05		38.9	
1298505	2.8	0.4		522.3			0.01	1.1	0.002	0.2	0.8	15	0.05		44.3	
1298506	2.4	0.4		229.8			0.01	1.4	0.004	0.22	0.6	18	0.05		57.3	
1298507	2.5	0.4		276.7			0.03	1.9	0.005	0.19	0.4	14	0.05		42.4	
1298508	2.6	0.4		298.6			0.03	2.5	0.004	0.18	0.4	13	0.05		40.5	
1298509	1	0.5		40.5			0.01	1.1	0.0005	31.42	1.6	2	0.05		5816.4	
1298510	2.6	0.6		22.2			0.02	1.3	0.006	2.62	1.3	22	0.05		2826.7	
1298511	1.3	0.5		25.3			0.01	0.9	0.001	2.5	0.7	5	0.05		4081.8	
1298512	1	0.3		14.8			0.01	0.7	0.0005	35.25	1.7	4	0.05		2252.5	
1298513	1.1	0.7		46.5			0.01	0.5	0.003	1.99	1.5	9	0.05	1.23	10000	
1298514	5	0.4		38			0.03	2.5	0.002	1.28	0.7	14	0.05		1956.5	
1298515	0.7	0.6		89.6			0.03	0.4	0.001	16.77	2	4	0.05		3317.8	
1298516	0.7	0.7		54.8			0.01	0.2	0.001	4.65	1.3	4	0.05		7523.8	
1298517	4.5	1.1		55.8			0.01	2.2	0.006	0.51	3.3	26	0.05		154	
1298518	4.3	0.4		36.6			0.01	2.6	0.004	0.43	0.7	17	0.05		156.5	
1298519	1.2	0.8		10.1			0.04	0.7	0.002	43.46	3.6	14	0.05	1.48	10000	
1298520	2.5	0.9		38.5			0.01	1.5	0.002	16.17	1.4	13	0.05	1.5	10000	
1298521	2.1	0.7		44.9			0.01	0.6	0.002	1.7	2.4	16	0.05		4910.4	
1298522	5.9	0.1		18.1			0.05	4.8	0.006	0.34	0.6	30	0.1		304.2	
1298523	5.6	0.3		31.3			0.04	4.2	0.006	0.8	0.8	24	0.1		906.9	
1298524	5	0.3		25.6			0.04	3.6	0.007	0.36	0.8	29	0.1		554.8	
1298525	3.5	0.4		42.2			0.									

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1298532	RH	2012-07-02	UTM83-8	7121703	600096	1217	WHI12000252	123	0.85	6	1.4	2	94.6		0.1	9.48	0.98	6.9	12.4	6.9	12.4	8.22	2.26	1.9			64	0.05	9.3	5.07	2141	0.64	0.008		15.2	0.094		72.43				0.01	0.3			
1298533	RH	2012-07-02	UTM83-8	7121701	600151	1222	WHI12000252	54	0.32	3.3	0.4	2	40.8		0.05	15.5	0.06	3.7	6.9	6.22	1.16	0.8				76	0.06	5.2	8.02	668	0.21	0.007		8.1	0.056		29.29				0.01	0.08				
1298534	RH	2012-07-02	UTM83-8	7121702	600199	1219	WHI12000252	116	0.98	5.8	0.9	3	86.6		0.12	6.76	0.35	6.7	13.3	12.38	2.05	2.3				46	0.06	6.9	3.71	655	0.68	0.007		14.6	0.088		27.96				0.03	0.35				
1298535	RH	2012-07-02	UTM83-8	7121697	600252	1220	WHI12000252	91	0.4	5.5	0.7	2	102.1		0.04	15.23	0.22	4.1	7	8.39	5.75	1				56	0.04	6.1	7.73	4975	0.45	0.008		10.7	0.066		129.3				0.03	0.11				
1298536	RH	2012-07-02	UTM83-8	7121706	600299	1217	WHI12000252	118	1.96	9.1	1.1	3	258.1		0.24	0.59	0.2	11.7	24.9	23.26	3.78	5.3			128	0.14	9.7	0.52	830	0.97	0.002		31.8	0.064		22.28				0.03	0.5					
1298537	RH	2012-07-02	UTM83-8	7121702	600356	1216	WHI12000252	192	1.21	7.4	1.2	3	119.5		0.32	0.34	0.3	14.1	15.7	29.74	4.17	3.6			68	0.13	8.5	0.35	749	0.95	0.002		36.8	0.054		30.71				0.03	0.41					
1298538	RH	2012-07-02	UTM83-8	7121705	600401	1214	WHI12000252	178	2.52	10.9	2.1	4	227.3		0.24	1.59	0.72	34.9	26.6	62.84	3.82	4.7			155	0.14	13.5	1.21	2132	1.16	0.004		84.8	0.078		23.09				0.02	0.66					
1298539	RH	2012-07-02	UTM83-8	7121700	600443	1217	WHI12000252	175	1.85	9.5	2.4	2	158.7		0.22	0.32	0.18	13.6	26.3	24.43	3.23	4.7			89	0.11	13.8	0.52	768	1.09	0.004		46	0.068		17.17				0.01	0.64					
1298540	RH	2012-07-02	UTM83-8	7121699	600496	1213	WHI12000252	412	0.79	21.2	0.8	3	63.1		0.57	0.25	0.17	29.1	10.9	54.48	7.52	2			97	0.09	9.4	0.16	1257	0.84	0.001		81.9	0.027		81.06				0.03	0.84					
1298541	RH	2012-07-02	UTM83-8	7121699	600547	1210	WHI12000252	319	0.76	26.8	1.4	4	74.5		0.25	4.99	0.95	13.4	14.6	27.76	5.13	2.1			102	0.11	9.8	1.42	671	1.96	0.005		44.6	0.145		117.96				0.03	0.71					
1298542	RH	2012-07-02	UTM83-8	7121701	600599	1208	WHI12000252	99	1.17	5.5	0.8	3	81.6		0.27	1.38	0.28	8.3	21.2	15.32	2.36	3.6			35	0.07	11.1	0.33	427	0.61	0.002		22.4	0.047		17.52				0.03	0.35					
1298543	RH	2012-07-02	UTM83-8	7121698	600648	1207	WHI12000252	101	2.2	10.6	2.1	4	271.1		0.27	0.33	0.16	16.5	28.1	35.69	4.08	5.6			110	0.2	15.2	0.59	892	1.01	0.003		41.7	0.051		24.38				0.01	0.69					
1298544	RH	2012-07-02	UTM83-8	7121699	600699	1218	WHI12000252	181	0.91	5.7	1.7	6	87.5		0.12	2	0.41	7.3	16.1	14.17	1.87	2.8			77	0.12	16.6	0.63	381	0.88	0.002		17.1	0.09		13.72				0.09	0.33					
1298545	RH	2012-07-02	UTM83-8	7121702	600743	1205	WHI12000252	96	1.89	6.2	3.7	8	114.9		0.14	1.28	0.18	10.7	31.5	23.34	2.64	5.9			36	0.23	23.7	1.5	402	0.72	0.001		25.7	0.055		12.73				0.05	0.3					
1298546	RH	2012-07-02	UTM83-8	7121697	600795	1174	WHI12000252	55	2.43	8.2	6.2	7	95.8		0.16	0.71	0.17	11.9	53.3	28.26	2.9	8.5			34	0.2	30.3	2.33	430	0.48	0.0005		30.8	0.04		16.82				0.03	0.32					
1298547	RH	2012-07-02	UTM83-8	7121702	600846	1144	WHI12000252	74	2.1	6.9	6.8	5	138.8		0.18	0.66	0.18	10	41	26.89	2.84	6.7			52	0.14	25.1	1.49	338	0.46	0.003		28.8	0.032		11.99				0.03	0.3					
1298548	RH	2012-07-02	UTM83-8	7121703	600952	1086	WHI12000252	44	2.23	4.4	2.7	4	476.5		0.2	0.75	0.2	9.6	36.6	16.69	2.88	6.7			42	0.13	23.2	1.16	402	0.61	0.002		26.5	0.042		14.31				0.03	0.35					
1298549	RH	2012-07-02	UTM83-8	7121701	601048	1038	WHI12000252	39	2.02	12.5	3.9	2	110.1		0.53	0.64	0.18	15.2	36.3	37.54	3.45	5			28	0.07	19.5	0.84	753	0.42	0.003		36.3	0.037		33.76				0.01	0.5					
1298550	RH	2012-07-02	UTM83-8	7121704	601097	1018	WHI12000252	97	1.42	8.7	3.8	3	118.2		0.3	3.88	0.33	13.4	21.9	35.74	3.09	3.6			69	0.12	8.7	1.22	561	0.84	0.006		31.9	0.069		32.09				0.01	0.51					
1298590	RH	2012-07-29	UTM83-8	7127502	587796	1314	WHI12000522	160	0.93	18.6	1.9	6	116.2		0.22	5.4	0.37	10.5	22.1	29.91	2.9	2.7			63	0.15	16.2	2.53	519	1.16	0.007		23.2	0.079		28				0.02	0.75					
1298591	RH	2012-07-29	UTM83-8	7127550	587800		WHI12000522	131	0.91	18	0.3	5	93.4		0.17	8.65	0.37	9.3	17.9	21.99	2.62	2.3			61	0.12	13	3.98	585	1.36	0.006		19.5	0.062		25.49				0.02	1.04					
1298592	RH	2012-07-29	UTM83-8	7127583	587796	1296	WHI12000522	91	0.9	13.3	2.2	5	78.3		0.14	7.16	0.32	9.8	19.8	24.68	2.32	2.4			46	0.13	15.6	3.3	453	1.06	0.008		21.3	0.069		19.38				0.01	0.58					
1298593	RH	2012-07-29	UTM83-8	7127607	587814	1298	WHI12000522	89	1.55	15.7	2.2	5	195.7		0.27	0.52	0.4	12.3	32.2	24.61	3.3	4.4			49	0.15	20.5	0.79	562	1.37	0.005		31.8	0.047		28.44				0.01	0.78					
1298594	RH	2012-07-29	UTM83-8	7127661	587807	1289	WHI12000522	154	1.41	16.2	2	4	241.2		0.22	0.53	0.34	12.6	29.1	25.62	3.09	4			71	0.13	20.5	0.75	639	1.31	0.007		31.7	0.076		24.5				0.01	0.89					
1298601	RH	2012-07-03	UTM83-8	7120911	599449	1026	WHI12000252	327	1.08	40.4	1.2	6	116.5		0.39	1.15	0.31	14.1	15.7	32.8	4.37	2.6			95	0.14	8.9	0.17	448	1.36	0.002		42.3	0.233		133.7				0.04	0.75					
1298602	RH	2012-07-03	UTM83-8	7120905	599400	1051	WHI12000252	114	1.02	7.3	1.4	3	102.2		0.31	0.6	0.4	12.3	19.1	22.61	2.81	3.3			50	0.13	6.8	0.43	433	0.81	0.003		27.5	0.052		50.41				0.02	0.35					
1298603	RH	2012-07-03	UTM83-8	7120910	599548	1019	WHI12000252	127	0.83	6.4	1.7	6	68.7		0.24	4.01	0.33	9.5	14.5	22.05	2.84	2.4			76	0.12	7.2	1.96	566	0.81	0.005		25.9	0.057		33.14				0.03	0.34					
1298604	RH	2012-07-03	UTM83-8	7120903	599600	1035	WHI12000252	114	1.19	7.5	1.7	4	89.1		0.23	2.98	0.43	14.3	19.5	28.14	3.12	3.4			77	0.13	8	1.47	742	0.93	0.004		30.3	0.056		32.38				0.03	0.39					
1298605	RH	2012-07-03	UTM83-8	7120910	599652	1045	WHI12000252	127	1.17	8.2	2.3	5	94.4		0.21	9.23	0.31	13.1	17.4	28.29	2.72	3			81	0.14	8	1.23	500	0.68	0.004		29.9	0.058		35.67				0.02	0.36					
1298606	RH	2012-07-03	UTM83-8	7120905	599699	1058	WHI12000252	146	1.06	5.9	1.9	5	82.7		0.25	2.89	0.29	12.7	16.6	27.62	2.89	2.7			75	0.12	8.9	0.93	497																	

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1298532	2.8	0.5	52.4		0.03	2	0.009	0.27	1.4	20	0.05				642.3	
1298533	2.7	0.4	60.2		0.01	2.3	0.0005	0.15	1.2	9	0.05				47.4	
1298534	2.6	0.4	29.7		0.01	1.4	0.006	0.16	1.3	21	0.05				153.9	
1298535	2.5	0.6	70.2		0.01	1.4	0.002	1.9	1.5	10	0.05				175.7	
1298536	4.8	0.6	29.5		0.03	3.1	0.003	0.18	1.2	39	0.05				100	
1298537	5.8	0.5	20.8		0.04	4.8	0.003	0.25	0.9	24	0.05				118.5	
1298538	8.7	0.6	33.5		0.05	5.5	0.007	0.18	2.8	38	0.05				196.8	
1298539	5.1	0.6	23.1		0.04	3.1	0.01	0.18	1.5	41	0.1				106	
1298540	8.6	0.7	18.2		0.1	6.9	0.0005	0.13	0.8	13	0.05				117.7	
1298541	4.9	0.9	152.2		0.04	4	0.002	0.2	1.6	23	0.05				583.1	
1298542	4.4	0.4	89.1		0.05	3.6	0.006	0.12	1	31	0.05				84.3	
1298543	6.1	0.3	30.6		0.07	5.8	0.002	0.18	0.9	39	0.05				111	
1298544	2	0.8	69.1		0.01	0.6	0.004	0.11	4.4	20	0.05				48.7	
1298545	5.4	0.4	46.9		0.01	2.7	0.006	0.19	2.3	35	0.05				68.9	
1298546	6.9	0.5	31.9		0.01	4.3	0.007	0.21	1.3	50	0.05				77.8	
1298547	6.2	0.6	29		0.03	4.4	0.009	0.17	2.1	47	0.05				69.3	
1298548	7.6	0.6	33.2		0.02	4.1	0.007	0.16	1.7	40	0.05				73.1	
1298549	10.7	0.7	28.3		0.04	8.8	0.002	0.11	2	21	0.05				90.6	
1298550	5	0.4	100		0.03	4.8	0.004	0.13	0.9	23	0.05				132.5	
1298590	5.4	0.3	89.5		0.02	4	0.007	0.26	1.3	27	0.05				98.5	
1298591	4.7	0.3	90.1		0.03	2.9	0.004	0.27	1.2	27	0.05				87.1	
1298592	4	0.1	107.6		0.01	3.6	0.008	0.22	1.2	26	0.05				82.2	
1298593	6.4	0.3	27.6		0.04	4.4	0.015	0.25	1.4	36	0.05				129.5	
1298594	6.3	0.1	31.7		0.03	4.7	0.014	0.22	1.2	34	0.1				118.4	
1298601	5.7	0.6	71		0.05	3.8	0.002	0.22	2.1	17	0.05				344.8	
1298602	3.9	0.3	39.2		0.07	3	0.005	0.15	1.1	20	0.05				262.2	
1298603	4.1	0.5	65.3		0.04	3.4	0.002	0.28	1	14	0.05				258.1	
1298604	4.5	0.4	72.5		0.04	3.5	0.002	0.22	0.9	21	0.05				211.3	
1298605	4.1	0.7	266		0.01	3.5	0.002	0.18	1	19	0.05				149.8	
1298606	5	0.5	105.3		0.01	3.9	0.002	0.14	1	17	0.05				145.7	
1298607	4.4	0.6	159.5		0.03	4.3	0.003	0.13	1.1	20	0.05				100.2	
1298608	4	0.8	331.6		0.09	5.1	0.001	0.17	1.1	7	0.05				77.6	
1298609	3.1	0.8	182.5		0.03	2.3	0.001	0.14	1	12	0.05				69.9	
1298610	5.1	0.7	106.8		0.01	4.2	0.003	0.18	2.7	14	0.05				46.5	
1298611	5.2	0.8	152.7		0.01	4.6	0.0005	0.13	1.1	9	0.05				34	
1298612	5.5	0.8	37.6		0.04	3.5	0.006	0.14	3.2	31	0.05				89.6	
1298613	4	0.4	13		0.04	3.9	0.006	0.12	1.4	33	0.05				50.7	
1298614	6.4	0.3	22.4		0.01	4.8	0.006	0.13	3.7	44	0.05				74.1	
1298615	6.9	0.9	37.9		0.02	5	0.006	0.19	3.8	42	0.05				69.8	
1298616	10.1	1.2	12.9		0.01	5.6	0.008	0.21	1.2	43	0.05				99	
1298617	4	0.3	14.6		0.01	4.6	0.009	0.15	0.7	44	0.05				108.3	
1298618	6.8	0.7	25.4		0.01	3.8	0.009	0.11	2.6	35	0.05				88.9	
1298619	6.5	1.5	46.5		0.04	3.1	0.005	0.13	5	29	0.05				74.3	
1298620	5.8	0.3	23		0.03	5.7	0.005	0.08	1	19	0.05				94.8	
1298621	6.8	0.4	28.5		0.03	5	0.002	0.1	1	17	0.05				118.3	
1298622	7	0.4	11.9		0.11	5.4	0.001	0.11	0.8	26	0.05				83.6	
1298623	8.1	0.3	13.8		0.03	5.7	0.003	0.1	1.3	31	0.05				73.8	
1298624	7.7	0.5	31.4		0.03	5.6	0.001	0.11	0.7	25	0.05				102.6	
1298625	3.1	0.05	10		0.04	2.8	0.002	0.09	0.4	31	0.05				68.5	
1298626	9.4	0.4	21.6		0.06	5.7	0.001	0.16	0.7	32	0.05				93.9	
1298627	6.8	0.5	21.8		0.09	5.7	0.001	0.12	0.7	29	0.05				87.6	
1298628	1.5	0.4	21.7		0.01	1.2	0.002	19.79	1.9	10	0.05				6429.8	
1298629	4.6	0.6	148.4		0.08	0.6	0.001	4.42	0.7	20	1.4				1541.4	
1298630	5.9	0.5	31.5		0.01	2.7	0.0005	1.28	1.1	14	0.05				255.5	
1298631	2.3	0.4	66		0.01	1	0.001	1.59	0.6	11	0.4				334.7	
1298632	4.7	0.4	47.7		0.01	1.1	0.003	0.88	0.6	20	0.2				1141.9	
1298633	3.1	0.3	78.7		0.03	1.1	0.001	0.58	0.7	14	0.2				152.9	
1298634	5.1	0.5	34.9		0.01	3.3	0.004	0.2	1.7	27	0.05				93.7	
1298635	4.2	0.2	57.4		0.05	1.2	0.0005	26.2	3	4	0.05				2635.3	
1298636	15.2	0.05	52		0.01	8	0.003	8.13	22.4	39	0.05			1.32	10000	
1298637	3.9	0.05	65.4		0.01	0.3	0.0005	15.37	2.9	3	0.05				3105.1	
1298638	7	0.5	56.2		0.01	5.9	0.009	0.15	1.1	24	0.05				93.2	
1298639	1.3	0.3	109.1		0.03	0.9	0.003	0.41	1.1	16	0.05				97.3	
1298640	1.1	0.2	65.2		0.01	0.6	0.004	0.41	1.1	22	0.05				125	
1298641	0.8	0.3	62.4		0.05	0.4	0.004	0.27	1	18	0.05				109.4	
1298642	0.9	0.2	74.2		0.03	0.8	0.003	0.32	1.3	13	0.05				106.7	
1298643	1	0.05	76		0.03	1.5	0.003	0.23	1.6	13	0.05				91.9	
1298644	1.9	0.05	146.8		0.05	5.2	0.002	0.29	1	9	0.05				49.3	
1298645	1.3	0.3	57		0.05	0.8	0.002	0.58	2.6	22	0.05				379.7	
1298646	2	0.6	41.4		0.05	1.4	0.003	0.79	3	54	0.05				621.5	
1298647	2.4	0.3	43.8		0.02	1.8	0.003	0.59	2.8	44	0.05				344.4	
1298648	1.1	0.2	53.7		0.05	0.7	0.001	0.25	0.6	10	0.05				13.1	
1298649	2	0.3	112.7		0.05	2.2	0.002	0.48	1.2	23	0.05				154	
1298650	2.1	0.4	82		0.01	1.9	0.002	0.22	1.5	16	0.05				29.5	
1298701	2.3	0.4	24.6		0.02	1.1	0.009	0.17	0.6	39	0.2				203.7	
1298702	3.6	0.6	24.3		0.03	2.2	0.008	2.46	1.1	31	0.2				2238.8	
1298703	2.3	0.4	28.5		0.03	1	0.008	0.22	1	33	0.1				600.4	
1298704	3	0.4	21.7		0.03	1.6	0.014	0.27	1.1	45	0.2				506.8	
1298705	2.2	0.5	32.7		0.02	1.1	0.01	0.2	1.4	37	0.2				92.2	
1298706	3.3	0.4	25.9		0.04	1.8	0.013	0.22	1.3	44	0.2				106.4	
1298707	3.7	0.4	29.9		0.03	2.6	0.019	0.26	1	44	0.3				83.4	
1298708	2.5	0.4	39.8		0.04	1.4	0.011	0.17	1.6	36	0.1				74.3	
1298709	2.4	0.4	30		0.02	1.3	0.009	0.34	1.6	35	0.05				265.5	
1298710	1.7	0.4	32.3		0.02	0.9	0.009	2.31	1.2	27	0.05				446.7	
1298711	1.1	0.7	33		0.01	0.5	0.005	4.63	2.4	15	0.05				1209.7	
1298712	1.9	0.7	42.1		0.04	1.6	0.003	4.79	2.3	9	0.05				3575.8	
1298713	3.9	0.5	57		0.02	1.9	0.003	0.14	3.6	21	0.05				213.8	
1298714	4.5	0.6	83.7		0.04	3.5	0.008	0.2	3.3	31	0.05				130.2	
1298715	5.6	0.6	57.6		0.03	2.9	0.005	0.19	5.7	31	0.05				153.3	
1298716	3.4	0.6	79		0.03	1.4	0.005	0.15	4.3	26	0.05				101.6	
1298717	5.6	0.5	28.2		0.01	3.5	0.008	0.18	2.8	41	0.05				122.6	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1298718	JPL	2012-07-15	UTM83-8	7128845	599297	1516	WHI12000521	237	2.2	7.2	7.7	5	65		0.15	0.94	0.21	10.4	48.1	28.57	2.72	6.9		25.7	2.72	6.9	55	0.16	27.7		2.68	248	0.76	0.002		30.7	0.088				18.03		0.01	0.23		
1298719	JPL	2012-07-15	UTM83-8	7128903	599297	1488	WHI12000521	96	1.46	6.3	3.2	3	586.5		0.02	0.69	0.2	11.5	28.8	25.44	2.75	4.3		50		50	0.09	23.2		0.99	530	0.72	0.003		27.9	0.074				14.9		0.03	0.48			
1298720	JPL	2012-07-15	UTM83-8	7128951	599300	1473	WHI12000521	63	2.25	3.3	6.5	4	184.1		0.15	0.81	0.24	11	46.3	31.13	2.59	6.7		11	46.3	27	0.13	25.8		2.48	243	0.35	0.0005		30.9	0.073				12.44		0.04	0.2			
1298721	JPL	2012-07-15	UTM83-8	7129001	599300	1444	WHI12000521	128	1.82	10.7	1.3	4	151.3		0.28	0.47	0.09		27.3	30.7		3.48	5.2		59		59	0.16	9.8		0.8	1288	0.55	0.001		34.1	0.193				33.57		0.03	0.54		
1298722	JPL	2012-07-15	UTM83-8	7129054	599301	1432	WHI12000521	79	1.78	3.1	1.7	4	149.8		0.29	0.61	0.17		14.7	36		3.12	5.4		25		25	0.14	22.8		1.26	323	0.46	0.002		42	0.099				23.52		0.04	0.24		
1298723	JPL	2012-07-15	UTM83-8	7129095	599299	1417	WHI12000521	64	1.95	5.1	6.3	4	188.7		0.29	0.52	0.14		14.6	41.9		3.21	5.8		24		24	0.13	23.9		1.41	441	0.58	0.002		44.7	0.078				19.94		0.02	0.24		
1298724	JPL	2012-07-15	UTM83-8	7129200	599301	1389	WHI12000521	149	1.48	9.9	0.9	5	137.2		0.33	0.68	0.18		15.9	21.6		3.82	4.4		62		62	0.14	5.8		0.6	528	1.92	0.005		34.7	0.149				29.45		0.09	0.52		
1298725	JPL	2012-07-15	UTM83-8	7129244	599301	1382	WHI12000521	124	0.91	10.7	1.3	5	104.8		0.31	0.94	0.3		10.7	16.4		3.02	2.6		61		61	0.13	5.5		0.34	284	0.91	0.004		29.2	0.11				35.24		0.12	0.42		
1298726	JPL	2012-07-15	UTM83-8	7129297	599301	1380	WHI12000521	254	0.8	10.4	0.6	5	112.4		0.36	0.51	8.43		17.7	17.1		8.59	1.8		166		166	0.12	12.2		0.19	1209	2.08	0.005		47.6	0.133		200.78		0.05	0.47				
1298727	JPL	2012-07-15	UTM83-8	7129354	599302	1379	WHI12000521	151	0.74	12.2	1.2	3	67		0.37	0.03	0.37		21.1	17.8		5.73	2.9		71		71	0.1	9.4		0.12	649	1.72	0.001		40.1	0.073				44.49		0.04	0.64		
1298728	JPL	2012-07-15	UTM83-8	7129400	599296	1376	WHI12000521	113	1.06	18.6	1.6	2	80.5		0.33	0.07	1		20.3	22.1		4.54	3.5		83		83	0.09	14.4		0.19	679	3.44	0.001		57.4	0.084				43.84		0.03	0.96		
1298729	JPL	2012-07-15	UTM83-8	7129453	599290	1388	WHI12000521	64	1.02	13.7	0.4	3	105.6		0.34	0.11	0.4		16.9	23.8		5.13	3.9		23		23	0.12	12		0.26	475	1.6	0.001		33.2	0.057				49.9		0.03	0.64		
1298730	JPL	2012-07-15	UTM83-8	7129499	599297	1411	WHI12000521	33	0.71	10.1	1.9	2	53.7		0.25	0.02	0.05		9.1	18.1		2.78	5.2		29		29	0.09	13		0.06	233	1.32	0.001		20.2	0.034				18.44		0.01	0.57		
1298732	JPL	2012-07-16	UTM83-8	7129544	599301	1420	WHI12000521	155	0.79	14.3	1.2	2	44.3		0.27	0.03	0.12		26.2	25.7		6.6	2.4		39		39	0.06	10.6		0.22	1011	1.07	0.001		48.4	0.052				33.59		0.01	0.71		
1298733	JPL	2012-07-16	UTM83-8	7129596	599299	1426	WHI12000521	136	1	13.7	1.3	3	64.4		0.29	0.16	0.43		23	31.2		5.61	3.2		64		64	0.08	13.9		0.32	621	1.53	0.002		46.6	0.067				30.37		0.01	0.63		
1298734	JPL	2012-07-16	UTM83-8	7129651	599301	1426	WHI12000521	98	0.77	10.4	0.9	2	45.3		0.26	0.03	0.17		11.7	19.5		3.73	3.6		29		29	0.09	8.8		0.14	396	1.37	0.001		26.3	0.085				24.85		0.05	0.63		
1298735	JPL	2012-07-16	UTM83-8	7129700	599300	1422	WHI12000521	75	1.16	10.6	0.8	2	53.6		0.29	0.04	0.1		13.3	23.3		4.15	4.1		51		51	0.07	6.7		0.17	420	1.43	0.001		25.2	0.038				16.94		0.02	0.7		
1298736	JPL	2012-07-16	UTM83-8	7129749	599301	1433	WHI12000521	123	1.86	6.6	0.9	3	52.2		0.3	0.02	0.1		23.3	33.6		6.57	5.9		31		31	0.11	2.4		0.31	512	0.91	0.0005		31.2	0.052				28.5		0.03	0.39		
1298737	JPL	2012-07-16	UTM83-8	7129801	599302	1436	WHI12000521	98	1.84	6.8	2.2	3	46.2		0.35	0.02	0.1		17.7	36.3		6.77	5.5		27		27	0.09	3.6		0.37	296	1.04	0.0005		29.7	0.051				29.07		0.03	0.47		
1298738	JPL	2012-07-16	UTM83-8	7129849	599303	1440	WHI12000521	99	1.95	6.8	4.3	3	54.6		0.36	0.03	0.21		20.3	35.1		5.82	6.7		53		53	0.09	5.1		0.33	967	1.21	0.0005		25	0.078				29.1		0.04	0.64		
1298739	JPL	2012-07-16	UTM83-8	7129901	599297	1462	WHI12000521	54	0.76	24.3	1.3	2	53.4		0.32	0.05	0.14		42	27.2		5.94	3.7		43		43	0.08	3.1		0.09	1152	0.82	0.0005		44.9	0.032				30.46		0.01	0.55		
1298740	JPL	2012-07-16	UTM83-8	7129951	599302	1483	WHI12000521	48	1.54	9.3	1.7	2	62.7		0.29	0.05	0.22		12.3	29.6		3.41	4.8		51		51	0.08	9.2		0.25	524	1.89	0.002		20.6	0.039				22.14		0.01	0.83		
1298741	JPL	2012-07-16	UTM83-8	7130002	599298	1495	WHI12000521	118	1.52	7.3	1.4	2	54.6		0.27	0.04	0.14		16.3	25.8		3.92	4.7		38		38	0.08	6.5		0.26	614	1.37	0.001		19.9	0.046				20.86		0.04	0.67		
1298742	JPL	2012-07-16	UTM83-8	7130052	599298	1503	WHI12000521	52	1.35	7	1.9	2	39.5		0.25	0.03	0.11		11.1	25.3		4	5		30		30	0.05	7		0.28	268	1.26	0.001		21.3	0.034				19.11		0.01	0.65		
1298743	JPL	2012-07-16	UTM83-8	7130099	599299	1515	WHI12000521	59	1.77	8.7	1.2	2	63.8		0.33	0.04	0.12		13.1	32.6		5.5	8		34		34	0.07	9.9		0.23	822	2	0.0005		16.4	0.063				16.09		0.02	0.95		
1298744	JPL	2012-07-17	UTM83-8	7130150	599301	1524	WHI12000521	44	1.57	7.6	2.2	2	49.6		0.27	0.04	0.09		10.8	27.6		4.1	6.5		31		31	0.05	8.4		0.28	288	1.59	0.001		21.3	0.034				17.82		0.01	0.78		
1298745	JPL	2012-07-17	UTM83-8	7130202	599298	1529	WHI12000521	49	1.58	7.4	4.4	2	48		0.27	0.04	0.11		28.1	26.1		3.79	5		31		31	0.05	7.7		0.32	691	1.35	0.002		25	0.036				16.8		0.01	0.75		
1298746	JPL	2012-07-17	UTM83-8	7130299	599299	1531	WHI12000521	172	1.22	8.3	2.7	2	123		0.19	0.74	0.52		8.3	22.1		2.39	3.2		65		65	0.05	12.1		0.36	254	1.02	0.006		22.4	0.066				22.66		0.03	0.83		
1298747	JPL	2012-07-17	UTM83-8	7130352	599301	1531	WHI12000521	212	1.2	10.1	1.5	2	176.8		0.19	0.94	0.48		9.7	23.8		2.85	3.6		77		77	0.05	12.3		0.39	266	1.23	0.008		25.9	0.038									

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1298718	6.6	0.4		30.5		0.02	5.6	0.008	0.15	1.7	39	0.05			103.9	
1298719	5.6	0.3		26.2		0.03	2.7	0.007	0.08	1.4	28	0.05			85.5	
1298720	6.8	0.4		37.2		0.01	3.7	0.006	0.11	2.1	31	0.05			98.5	
1298721	6.4	0.2		29.4		0.05	3.8	0.002	0.2	1.4	23	0.05			149.7	
1298722	7.3	0.3		23.7		0.02	5.4	0.003	0.09	1.3	18	0.05			113	
1298723	7.9	0.3		18.5		0.04	5.5	0.006	0.09	1.2	22	0.05			113.4	
1298724	4.8	0.5		39.4		0.04	4	0.002	0.15	2.6	24	0.05			113.3	
1298725	4	0.5		40.9		0.05	2.8	0.002	0.13	1.9	14	0.05			133.3	
1298726	12.2	0.9		25.3		0.08	3.8	0.001	0.17	0.8	27	0.05			2028	
1298727	5.4	0.4		11.5		0.07	1.5	0.002	0.24	0.6	30	0.05			263.2	
1298728	4.8	0.5		8.2		0.07	1.2	0.006	1.19	0.9	36	0.05			175.9	
1298729	4.2	0.3		11.1		0.07	1.8	0.005	0.22	0.5	37	0.05			303.5	
1298730	2.8	0.2		6.2		0.06	2.6	0.005	0.17	0.3	53	0.05			71.3	
1298732	8.2	0.3		8.3		0.04	2.8	0.005	0.15	0.6	52	0.05			66.2	
1298733	8.9	0.3		10.9		0.05	3.9	0.005	0.18	0.5	40	0.05			215.3	
1298734	1.2	0.3		5.8		0.05	0.3	0.004	0.22	0.6	31	0.05			112	
1298735	4	0.4		8.5		0.03	3.1	0.008	0.14	0.5	38	0.1			74.1	
1298736	8.8	0.4		11.5		0.04	2.8	0.003	0.19	0.5	40	0.05			98.5	
1298737	10	0.4		11.7		0.05	3.2	0.006	0.18	0.6	38	0.05			94.2	
1298738	5.7	0.5		7.6		0.03	1.9	0.009	0.12	0.6	46	0.05			104.3	
1298739	9.2	0.2		13.3		0.02	2.2	0.003	0.39	0.4	43	0.05			128.6	
1298740	3.3	0.4		8.1		0.04	2.9	0.021	0.14	0.6	46	0.2			100.2	
1298741	3.4	0.3		6.5		0.03	1	0.012	0.13	0.6	42	0.05			74.4	
1298742	3.5	0.3		7.4		0.03	2.4	0.016	0.09	0.4	39	0.1			80.9	
1298743	2.9	0.5		6		0.04	3.1	0.017	0.14	0.6	66	0.1			87	
1298744	4.3	0.3		6.8		0.03	2.9	0.014	0.13	0.5	52	0.1			68.4	
1298745	4	0.4		5.6		0.04	2.2	0.019	0.12	0.5	41	0.2			77	
1298746	3.3	0.3		46.3		0.05	1.3	0.014	0.09	0.8	33	0.1			148.6	
1298747	4.4	0.3		86.9		0.03	2.1	0.015	0.1	0.6	36	0.1			113.3	
1298748	4.2	0.4		161.4		0.02	2.1	0.02	0.14	1.1	37	0.1			124.9	
1298749	4.7	0.3		77.1		0.03	2.3	0.024	0.14	1.1	46	0.2			103.1	
1298750	2.8	0.4		154.3		0.05	1.1	0.016	0.12	0.6	37	0.2			131.2	
1298751	4.3	0.5		104.6		0.05	1.7	0.017	0.12	0.6	39	0.2			126.9	
1298752	3.9	1		310.9		0.08	2.2	0.004	0.48	0.8	14	0.05			68.6	
1298753	4.6	0.5		59.2		0.11	2.3	0.001	0.24	0.5	12	0.05			98.5	
1298754	4.7	0.5		147.7		0.08	2.7	0.002	0.39	0.6	13	0.05			105	
1298755	3.9	0.6		51.9		0.06	1	0.002	0.47	0.6	17	0.05			133	
1298756	4	0.8		61.7		0.06	1	0.004	0.71	1.1	27	0.1			230.4	
1298757	3.7	0.6		65.3		0.06	1.2	0.005	0.5	2.2	30	0.2			407.5	
1298758	3.5	0.6		61.6		0.04	1.3	0.005	0.52	1.9	28	0.1			268.2	
1298759	3.4	0.4		52.1		0.03	1.6	0.005	0.3	1.1	28	0.1			151.1	
1298760	3.3	0.5		52		0.04	1.2	0.004	0.29	1.5	29	0.1			142.2	
1298761	3.5	0.6		43.9		0.07	1.3	0.005	0.35	1.2	31	0.05			148.7	
1298762	4.1	0.3		47.2		0.03	3.3	0.007	0.16	0.7	35	0.05			106.8	
1298763	3.1	0.4		39.8		0.03	1.2	0.004	0.26	1.2	29	0.1			122.6	
1298764	3.2	0.5		51.7		0.03	1.3	0.004	0.25	0.9	25	0.1			129.6	
1298765	4.1	0.2		77.3		0.01	1.8	0.001	0.16	0.6	15	0.05			99.4	
1298766	5.9	0.2		39.5		0.01	2.6	0.002	0.23	0.9	28	0.05			130.2	
1298767	5.5	0.2		76.2		0.01	2.3	0.001	0.16	0.8	23	0.05			102.6	
1298769	4.1	0.5		13.5		0.04	3.8	0.007	0.12	0.9	32	0.05			82.3	
1298770	6.1	0.3		14.4		0.03	5.1	0.012	0.1	1.5	35	0.2			80.2	
1298771	5.1	0.3		18.5		0.03	3	0.011	0.12	1.3	33	0.1			91.5	
1298772	5.4	0.4		22.8		0.01	3.3	0.011	0.09	1.4	35	0.05			98.8	
1298773	3.4	0.3		43.6		0.01	1.7	0.01	0.13	4.5	41	0.05			87.4	
1298774	3.8	0.5		34.3		0.01	2.2	0.012	0.1	4.1	37	0.05			89.3	
1298775	3.3	0.3		25.4		0.01	1.9	0.011	0.11	1.6	39	0.2			66.8	
1298776	2.4	0.3		65		0.03	0.9	0.014	0.15	3.4	49	0.1			92.2	
1298777	2.3	0.6		133		0.04	0.9	0.007	0.18	3.2	36	0.05			85.2	
1298778	4	0.3		56.9		0.01	2.8	0.007	0.19	2.7	30	0.05			92	
1298779	3.1	0.4		98.8		0.05	1.8	0.003	0.3	4.6	17	0.05			235.6	
1298780	2.3	0.05		18.5		0.05	6.7	0.001	0.34	0.4	9	0.05			26.8	
1298781	4.4	0.05		20.9		0.01	3.9	0.007	0.36	1.6	18	0.1			154.4	
1298782	1.5	0.2		59.2		0.02	1.6	0.008	0.38	1.3	13	0.05			109.8	
1298783	1.5	0.5		18.9		0.04	0.6	0.008	0.32	2.2	44	0.1			385.6	
1298784	1.5	0.6		13.2		0.01	0.6	0.009	0.32	1.8	44	0.05			440.6	
1298785	1.4	0.4		33.7		0.01	0.7	0.01	0.24	2.6	28	0.1			206.7	
1298786																
1298787																
1298788	2.6	0.1		28.3		0.03	1.9	0.017	0.24	1.6	34	0.2			129.3	
1298789																
1298790	3.5	0.2		17.8		0.05	2	0.016	0.22	1.2	44	0.3			210.9	
1298791	3.2	0.3		20.7		0.01	1.8	0.017	0.2	1	40	0.2			218.4	
1298792	3.1	0.2		14.7		0.03	1.6	0.013	0.32	1.2	44	0.3			215.8	
1298793	2.8	0.2		15.4		0.01	1.4	0.013	0.17	1.2	40	0.2			103.9	
1298794	2.1	0.4		10.1		0.05	0.9	0.012	0.19	1.1	46	0.3			113.5	
1298795	3	0.3		25		0.01	1.7	0.016	0.2	1	38	0.2			117.9	
1298796	2	0.3		17.2		0.08	0.7	0.01	0.19	2.6	41	0.1			137.9	
1298797	3.2	0.2		17.5		0.03	1.4	0.006	0.32	1.2	29	0.05			262	
1298798	2.7	0.4		22.4		0.06	1.3	0.007	0.16	0.8	28	0.1			157.6	
1298799	2.8	0.4		10.2		0.01	1.3	0.006	0.26	0.8	33	0.05			155.6	
1298800	2.5	0.05		22.6		0.01	1.5	0.006	0.28	0.6	28	0.1			81.6	
1298801	1.8	0.3		36.8		0.01	1.6	0.002	0.4	0.6	8	0.05			30.9	
1298802	2.3	0.05		42.9		0.03	1.6	0.0005	0.31	0.6	9	0.05			15.5	
1298804	5.6	0.3		20.2		0.08	2.9	0.009	0.08	1.6	27	0.05			92.4	
1298805	2.7	0.5		7.3		0.08	1.4	0.01	0.1	0.7	38	0.1			88.1	
1298806	1.3	0.6		38.3		0.03	0.7	0.004	0.25	1.7	22	0.05			83.2	
1298807	4.7	0.3		31.3		0.04	3.6	0.003	0.12	1.3	14	0.05			129.8	
1298808																
1298809	4.1	0.6		30.3		0.06	3.4	0.006	0.14	1.3	27	0.05			111.7	
1298810	4.6	0.5		21.4		0.04	2.6	0.006	0.13	1.4	32	0.05			90.8	
1298811	2.5	0.4		15.8		0.07	1.4	0.01	0.12	1	38	0.1			84.3	

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1298812	JPL	2012-07-19	UTM83-8	7129551	599698	1480	WH12000414	76	1.65	9.5	0.9	3	151.2		0.31	0.3	0.15		10.4	25.4		26.16	3.09	4.8		37		0.09	11.4		0.53	421	1.13	0.004		28.9	0.111			16.84			0.04	0.38		
1298813	JPL	2012-07-19	UTM83-8	7129598	599697	1472	WH12000414	57	1.6	10.1	1	2	125.4		0.3	0.09	0.25		12	25.6		23.99	3.34	4.7		37		0.08	11		0.42	595	1.3	0.002		25.2	0.104			19.37			0.04	0.51		
1298814	JPL	2012-07-19	UTM83-8	7129650	599702	1467	WH12000414	37	2.05	11.2	0.3	3	66		0.33	0.05	0.26		20	33.2		29.51	5.04	5.7		35		0.09	12.7		0.5	402	1.24	0.001		29.4	0.097			22.06			0.03	0.49		
1298815	JPL	2012-07-19	UTM83-8	7129699	599699	1455	WH12000414	52	1.5	9.8	1	3	67.8		0.3	0.1	0.25		21.9	25.2		37.16	4.15	4.4		21		0.08	13.1		0.42	467	1.17	0.001		33.2	0.081			20.49			0.03	0.54		
1298816	JPL	2012-07-19	UTM83-8	7129748	599699	1444	WH12000414	119	1.07	8.6	0.1	2	76.9		0.28	0.03	0.12		11.7	21.7		26.62	3.19	4.7		27		0.07	8.3		0.16	777	1.34	0.002		19.7	0.121			17.04			0.09	0.6		
1298817	JPL	2012-07-19	UTM83-8	7129800	599702	1436	WH12000414	37	2.11	10.6	0.3	3	73		0.31	0.05	0.19		22.1	31.9		35.76	4.55	5.4		49		0.09	7.9		0.48	416	1.19	0.002		30	0.072			19.07			0.03	0.49		
1298818	JPL	2012-07-19	UTM83-8	7129849	599700	1423	WH12000414	36	2.24	10.2	0.2	3	82.4		0.33	0.05	0.21		23.5	33		42.81	4.19	5.8		33		0.09	9.8		0.52	388	1.23	0.002		33.9	0.047			18.67			0.01	0.49		
1298819	JPL	2012-07-19	UTM83-8	7129894	599699	1407	WH12000414	56	1.63	10	0.4	2	55.6		0.3	0.03	0.13		16.3	28.1		39.63	3.99	5.3		42		0.07	7		0.35	439	1.11	0.001		25.2	0.066			20.01			0.03	0.53		
1298820	JPL	2012-07-19	UTM83-8	7129950	599698	1397	WH12000414	52	1.48	10.5	0.3	2	46.8		0.29	0.06	0.15		22.6	26.5		37.2	4.15	4.8		35		0.07	7.2		0.36	551	1.2	0.001		26.8	0.106			20.68			0.03	0.5		
1298821	JPL	2012-07-19	UTM83-8	7130001	599702	1385	WH12000414	220	1.28	16.8	0.1	3	141.8		0.24	1	0.44		17.4	24.8		43.39	3.39	3.6		114		0.08	10.8		0.35	547	0.83	0.004		32.1	0.098			30.69			0.06	1.1		
1298822	JPL	2012-07-19	UTM83-8	7130048	599699	1364	WH12000414	170	1.26	15.1	0.6	3	124.1		0.23	1.24	0.32		11.6	23.9		33.72	2.83	3.6		99		0.06	10.8		0.36	329	0.82	0.005		26.5	0.116			22.18			0.08	0.78		
1298823	JPL	2012-07-19	UTM83-8	7130099	599703	1345	WH12000414	142	1.41	10.9	0.8	3	108.6		0.3	0.32	0.29		21.7	23.1		44.78	3.65	4		45		0.09	10.9		0.46	567	0.95	0.003		40.2	0.077			25.9			0.03	0.57		
1298824	JPL	2012-07-19	UTM83-8	7130155	599697	1359	WH12000414	138	1.22	22.4	0.4	3	89		0.25	1.57	0.33		17.2	22.1		43.27	3.69	3.5		189		0.07	9.2		0.34	350	0.79	0.003		32.2	0.127			28.09			0.07	1.8		
1298825	JPL	2012-07-19	UTM83-8	7130199	599699	1366	WH12000414	107	1.39	12.7	0.1	2	112.9		0.26	0.28	0.24		20.7	24.7		33.98	3.37	4		57		0.07	10.2		0.35	666	1.02	0.003		28.3	0.087			22.56			0.04	0.81		
1298826	JPL	2012-07-19	UTM83-8	7130302	599700	1410	WH12000414	182	1.09	22.9	1	6	155.4		0.23	4.55	0.34		14.7	17.7		34.89	2.89	2.6		91		0.09	14		0.28	336	0.77	0.003		31.2	0.131			29.43			0.05	1.51		
1298827	JPL	2012-07-19	UTM83-8	7130352	599695	1430	WH12000414	155	1.05	20.9	0.1	5	129.5		0.22	2.23	0.39		9.9	16.4		31.73	2.42	2.9		79		0.07	12.3		0.22	230	0.84	0.004		25.1	0.138			34.58			0.13	1.78		
1298828	JPL	2012-07-19	UTM83-8	7130402	599695	1439	WH12000414	132	0.81	14.4	1.8	9	98.3		0.37	2.45	0.2		28.3	15.2		75.14	3.71	2.2		138		0.16	23.6		0.14	316	0.75	0.005		52.3	0.127			27.14			0.06	0.76		
1298829	JPL	2012-07-19	UTM83-8	7130452	599697	1434	WH12000414	246	1.41	13.4	2.2	5	151.9		0.24	2.36	1.1		12.3	23.1		32.74	2.68	3.8		113		0.07	16.1		0.36	717	1.06	0.003		29.2	0.159			30.09			0.13	0.77		
1298830	JPL	2012-07-19	UTM83-8	7130503	599697	1458	WH12000414	218	1.43	14.6	1.1	7	152.2		0.27	2.01	0.84		16.1	22.5		31.19	2.96	3.8		166		0.09	14.8		0.38	789	1.3	0.006		30.1	0.108			44.64			0.1	1.02		
1298831	JPL	2012-07-19	UTM83-8	7130550	599698	1467	WH12000414	230	1.05	12.7	3.5	3	144.1		0.2	10.65	0.63		12.3	18.3		23.85	2.53	2.3		88		0.06	16		0.39	588	1.01	0.008		25.7	0.071			28.86			0.05	0.85		
1298832	JPL	2012-07-19	UTM83-8	7130600	599699	1465	WH12000414	272	1	14.2	2.1	4	110.4		0.24	6.54	0.88		11.7	14.7		36.54	2.7	2.2		141		0.07	13.4		0.5	664	1.25	0.005		26.8	0.098			34.22			0.09	1.01		
1298833	JPL	2012-07-19	UTM83-8	7130696	599700	1440	WH12000414	240	0.91	14.4	1.1	5	124.8		0.3	1.04	0.31		14.5	19.2		38.27	3.27	2.5		143		0.07	18.7		0.29	478	0.92	0.005		32.9	0.052			30.4			0.04	0.85		
1298834	JPL	2012-07-19	UTM83-8	7130755	599698	1437	WH12000414	342	0.45	20.3	0.3	4	81.6		0.18	12.76	0.48		12.1	10.9		30.12	2.62	1.3		57		0.05	12.1		0.43	488	0.76	0.007		24	0.083			48.97			0.03	2.59		
1298835	JPL	2012-07-19	UTM83-8	7130796	599696	1421	WH12000414	301	0.9	27.5	0.7	4	107		0.25	6.43	0.5		13.5	15.6		35.35	3.04	2.2		209		0.08	14.3		0.52	604	0.94	0.006		27.6	0.081			50.29			0.04	2.68		
1298836	JPL	2012-07-19	UTM83-8	7130851	599698	1397	WH12000414	410	1.4	19.1	3	4	183.3		0.29	1.67	1.13		12.9	26.1		28.4	3.04	4		122		0.06	19.3		0.49	934	0.93	0.008		31.7	0.087			35.53			0.08	1.45		
1298837	JPL	2012-07-19	UTM83-8	7130900	599696	1383	WH12000414	218	1.43	18.9	1.2	3	181.6		0.27	1.12	0.42		13	24.4		21.37	2.97	4.4		88		0.05	14.7		0.43	713	1.08	0.006		24.8	0.076			32.94			0.06	1.07		
1298838	JPL	2012-07-19	UTM83-8	7130950	599698	1366	WH12000414	274	1.44	19.8	1.3	3	217		0.29	1.61	0.51		14.9	25.3		22.51	2.98	4		129		0.06	15.9		0.43	757	1.12	0.006		26.6	0.105			35.6			0.07	1.6		
1298839	JPL	2012-07-19	UTM83-8	7130994	599698	1337	WH12000414	312	1.28	39	0.8	5	150.7		0.26	2.9	1.14		12.6	21.9		26.47	2.94	3.4		229		0.07	15		1.15	815	0.98	0.008		27	0.149			47.49			0.07	4.79		
1298841	JPL	2012-07-20	UTM83-8	7129202	600097	1582	WH12000414	22	1.86	6.3	2.1	3	64.6		0.25	0.06	0.14		10.6	30.7		18.22	3.51	6.1		28		0.09	12.5		0.74	285														

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1298812	2.8	0.5	20.1		0.03	1.7	0.008	0.14	1.2	34	0.1				97.5	
1298813	1.7	0.3	11.7		0.03	0.7	0.008	0.13	1	42	0.1				97.6	
1298814	4.1	0.3	8.8		0.01	3.3	0.008	0.13	0.6	54	0.05				96.1	
1298815	3	0.5	9.6		0.04	1	0.008	0.18	0.6	43	0.05				116.5	
1298816	0.7	0.2	7		0.07	0.2	0.004	0.15	0.8	41	0.05				74.8	
1298817	4.1	0.6	11.8		0.02	2.9	0.009	0.14	0.6	43	0.05				90.8	
1298818	5.2	0.4	13.2		0.03	4.9	0.012	0.16	0.8	47	0.05				91.5	
1298819	3.4	0.4	10.3		0.04	1.3	0.009	0.14	0.7	42	0.05				79.3	
1298820	2.9	0.4	12.2		0.05	1.5	0.007	0.1	0.6	37	0.05				82	
1298821	5.6	0.5	125		0.05	1.7	0.008	0.14	1.3	35	0.05				164	
1298822	3.7	0.5	123.6		0.02	1	0.011	0.1	1.3	35	0.05				102.3	
1298823	5	0.5	35.8		0.03	1.9	0.01	0.15	1.1	35	0.05				113.4	
1298824	3.8	0.4	138.1		0.03	0.8	0.006	0.11	1.2	28	0.05				151.2	
1298825	3.4	0.3	36.1		0.05	1	0.01	0.14	0.9	35	0.1				95.5	
1298826	7.1	0.4	391.5		0.04	1.2	0.007	0.15	0.9	27	0.05				134	
1298827	1.9	0.6	242.4		0.04	0.4	0.007	0.17	2.2	28	0.1				140.8	
1298828	5	0.7	461.1		0.07	2.3	0.003	0.19	1.6	23	0.05				90.4	
1298829	2.4	0.7	101.1		0.04	0.5	0.009	0.13	1.4	36	0.1				290.1	
1298830	2.5	0.6	80.1		0.06	0.6	0.011	0.19	0.9	38	0.1				256.3	
1298831	6.4	0.4	305.4		0.05	1.4	0.015	0.1	0.8	31	0.1				90.5	
1298832	5.3	1	168.2		0.07	0.6	0.007	0.17	0.7	26	0.1				154.5	
1298833	4.8	0.6	57.7		0.07	1.8	0.011	0.51	0.6	30	0.2				100	
1298834	6.6	0.5	322.7		0.07	1.8	0.014	0.78	0.8	21	0.1				111.6	
1298835	7.1	0.6	213		0.09	1.6	0.011	0.57	0.8	28	0.05				136.1	
1298836	2.8	0.8	70.4		0.03	0.9	0.018	0.25	0.8	45	0.2				168.1	
1298837	3.1	0.4	49.7		0.03	1.3	0.015	0.21	1.1	46	0.2				127.7	
1298838	3	0.6	87.2		0.05	1.1	0.015	0.22	1.5	43	0.2				135	
1298839	3	0.5	73.7		0.01	1	0.016	0.32	1.4	38	0.1				223.2	
1298841	2.4	0.2	6.4		0.03	3.6	0.008	0.11	0.6	33	0.1				76.4	
1298842	1.8	1.9	36.6		0.07	1	0.003	0.26	9.7	23	0.05				110.9	
1298843	4.6	0.5	22.2		0.03	3	0.005	0.15	1.7	25	0.1				104.8	
1298844	5.5	0.5	33.7		0.04	3.6	0.005	0.18	2.3	26	0.05				124.1	
1298845	4.2	0.4	27.5		0.08	2	0.003	0.21	1.8	25	0.05				108.7	
1298846	4	0.2	9.2		0.05	3.2	0.004	0.14	0.5	33	0.05				86.6	
1298847	2.2	0.1	7.1		0.06	1.1	0.006	0.11	0.5	35	0.05				76.4	
1298848	10.6	0.2	17.4		0.06	2.5	0.012	0.19	0.6	57	0.05				82.8	
1298849	14.3	0.8	11.9		0.07	5.5	0.005	0.38	1.3	36	0.05				652.3	
1298850	2.9	0.3	8.5		0.01	1.1	0.005	0.17	0.7	38	0.05				87	
1298851	3.4	0.3	11.9		0.02	1.5	0.013	0.11	0.6	35	0.1				88.4	
1298852	13.6	0.1	27.1		0.03	3.4	0.01	0.2	1	42	0.05				147.6	
1298853	3.5	0.2	13.7		0.06	3.6	0.015	0.13	0.5	43	0.1				115.8	
1298854	4.4	0.4	198.7		0.01	0.8	0.009	0.14	1.6	29	0.1				215.8	
1298855	7.2	0.1	26.5		0.07	2.3	0.003	0.11	0.8	19	0.05				100.3	
1298856	3.7	0.4	43.7		0.02	1.1	0.004	0.27	0.6	27	0.05				569.8	
1298857	3.5	0.4	54.6		0.02	1	0.013	0.15	1.1	38	0.1				124.1	
1298858	6.6	0.5	70.3		0.09	1.9	0.006	0.31	0.8	34	0.1				206.4	
1298859	5.3	0.3	150.2		0.01	1.5	0.009	0.19	1.3	35	0.1				98.9	
1298860	2.8	0.2	91.1		0.01	1.2	0.014	0.16	0.8	44	0.2				120.5	
1298861	3.3	0.7	86.1		0.06	0.8	0.006	0.23	1.2	32	0.05				156.9	
1298862	3.7	0.8	142.1		0.06	1	0.007	0.23	1	28	0.05				113.2	
1298863	4	0.4	53.1		0.01	1.3	0.008	0.26	1.4	36	0.1				131.8	
1298864	3.2	0.5	70.1		0.04	0.9	0.008	0.22	1.3	30	0.05				116.3	
1298865	4.2	0.3	19.2		0.03	2	0.005	0.29	0.7	40	0.1				161.6	
1298866	3.7	0.7	64.8		0.05	1.3	0.008	0.25	2.3	33	0.1				140.8	
1298867	4.9	0.5	83.3		0.03	1.5	0.005	0.31	1	32	0.05				146.8	
1298868	2.5	0.8	102.3		0.01	0.6	0.005	0.43	3.6	31	0.05				168.9	
1298869	5.5	0.4	60.3		0.06	2.3	0.005	0.17	0.8	26	0.05				162.8	
1298870	3.8	0.4	65.5		0.01	1.3	0.003	0.16	1.2	26	0.05				129.9	
1298871																
1298872	3.5	0.7	162.7		0.05	0.9	0.004	0.31	2.5	24	0.2				172.9	
1298873	2.7	0.6	87.5		0.08	0.7	0.006	0.25	1.5	31	0.2				142.1	
1298874	4.6	0.4	50.5		0.01	1.9	0.005	0.1	2.3	32	0.05				120.7	
1298875	3.2	0.6	186.6		0.01	1.2	0.006	0.1	1.5	25	0.05				113.6	
1298876	3.6	0.4	122.9		0.03	1.4	0.006	0.13	1.4	30	0.1				110.4	
1298877	3.7	0.9	131.9		0.02	1.2	0.009	0.1	1.2	32	0.1				102.8	
1298878	3.9	0.6	73.7		0.04	1.2	0.01	0.1	1.2	36	0.1				117.8	
1298879	4.5	0.4	24.2		0.01	3.1	0.003	0.11	1	39	0.1				108	
1298881	2.4	0.3	8.2		0.03	2.9	0.006	0.15	0.6	33	0.1				84.6	
1298882	4.8	0.3	19.7		0.02	3.4	0.007	0.08	2.3	22	0.05				92.5	
1298883	4.7	0.3	17.1		0.03	5	0.021	0.1	1.1	38	0.2				79.8	
1298884	5	0.3	17		0.03	3.9	0.009	0.12	1.4	33	0.1				86.9	
1298885	5.8	0.7	18.9		0.03	2.7	0.008	0.1	1.4	27	0.05				90	
1298886	4.7	0.4	22.3		0.05	2.3	0.008	0.1	1.8	30	0.05				80.4	
1298887	4.1	0.3	14.7		0.03	3	0.007	0.11	1.1	29	0.05				87.7	
1298888	5.3	0.6	26		0.02	2.7	0.008	0.1	1.7	31	0.05				91.5	
1298889	7.4	0.6	21.9		0.01	3.2	0.008	0.12	1.8	32	0.05				93	
1298890	4.4	0.7	29.4		0.01	1.7	0.007	0.13	3.3	30	0.05				345.2	
1298891	4.7	0.4	26.3		0.02	3	0.009	0.12	4	28	0.1				90.7	
1298892	5.1	0.4	19.9		0.03	3.3	0.011	0.14	3.6	31	0.05				213.6	
1298893	4	0.3	29.2		0.01	2.1	0.008	0.16	2.9	34	0.2				141.1	
1298894	4.1	0.3	16.1		0.04	3.9	0.011	0.14	1.1	33	0.2				89.5	
1298895	2.3	0.4	13		0.03	1.2	0.01	0.18	0.9	40	0.1				74.7	
1298896	3.2	0.4	12.8		0.05	3	0.01	0.17	0.7	36	0.2				76.3	
1298897	3.1	0.4	16.4		0.05	2.2	0.015	0.16	1.1	39	0.3				101.4	
1298898	2.6	0.3	21		0.01	1.4	0.016	0.14	1.3	35	0.2				112.7	
1298899	2.2	0.4	17.3		0.04	1.2	0.015	0.19	1.7	38	0.1				117.5	
1298900	3.1	0.3	17.8		0.04	2.2	0.013	0.22	1.4	31	0.1				107	
1298901	3.5	0.3	18		0.04	2	0.015	0.26	1.5	48	0.2				107.6	
1298902	3.8	0.5	22.2		0.01	2.5	0.019	0.26	2.3	42	0.1				128	
1298903	3.2	0.1	31.4		0.01	2.3	0.02	0.16	1.8	36	0.2				108.4	
1298904	3.4	0.2	22.9		0.05	2	0.015	0.31	1.9	44	0.2				135.7	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1298905	JPL	2012-07-21	UTM83-8	7127903	600100	1449	WH112000414	169	1.49	10.5	0.8	3	165.3		0.16	1.91	0.81	8.9	28.6	18.94	2.7	4.3	42	0.07	15.6		0.07	15.6	1.11	1422	1.14	0.007		22.4	0.14			52.6			0.09	0.7				
1298906	JPL	2012-07-21	UTM83-8	7127849	600096	1443	WH112000414	193	1.55	11.2	1.2	2	192.2		0.29	1.06	0.72	10.4	29	19.47	2.96	4.4	53	0.06	16.7		0.07	16.7	0.71	1819	1.24	0.008		25.9	0.138			55.59			0.07	0.74				
1298907	JPL	2012-07-21	UTM83-8	7127802	600100	1447	WH112000414	136	1.83	11.5	2.7	1	187.1		0.22	0.59	0.38	10.4	30	20.28	3.09	5.5	34	0.07	19.3		0.07	19.3	0.59	1448	1.37	0.006		28	0.141			43.45			0.05	0.77				
1298908	JPL	2012-07-21	UTM83-8	7127752	600096	1452	WH112000414	202	1.69	12.3	7.5	2	193.9		0.19	0.69	0.47	10.3	31.3	22.87	2.81	4.7	74	0.07	23.5		0.07	23.5	0.63	1679	1.4	0.009		32	0.131			24.33			0.03	0.88				
1298909	JPL	2012-07-21	UTM83-8	7127700	600099	1453	WH112000414	110	1.17	6.7	2.2	1	99		0.11	4.3	0.29	6	17	9.62	1.78	3.1	32	0.04	10.7		0.04	10.7	2.47	1530	0.77	0.006		13.3	0.106			18.11			0.04	0.4				
1298910	JPL	2012-07-21	UTM83-8	7127652	600097	1454	WH112000414	165	1.67	12.7	4.5	2	177.7		0.15	1.67	0.42	10.4	28	18.14	3.49	4.4	49	0.06	18.3		0.06	18.3	1.27	2272	1.53	0.007		27.6	0.072			47.1			0.03	0.79				
1298911	JPL	2012-07-21	UTM83-8	7127599	600099	1451	WH112000414	159	1.29	10.4	2.3	1	141		0.09	4.19	0.58	7.9	21	14.35	2.67	3	61	0.05	15.6		0.05	15.6	2.6	1794	1.07	0.01		22.1	0.093			44.81			0.02	0.62				
1298912	JPL	2012-07-21	UTM83-8	7127550	600099	1449	WH112000414	112	1.44	9.5	3.1	2	118.1		0.22	4.17	0.35	7.9	21.8	11.87	2.43	3.8	57	0.05	12.6		0.05	12.6	2.63	1698	1.1	0.008		18.5	0.095			25.13			0.04	0.55				
1298913	JPL	2012-07-21	UTM83-8	7127504	600100	1444	WH112000414	63	0.75	5.7	2.2	2	62.9		0.13	7.31	0.33	4.7	11.2	8.8	1.56	1.7	23	0.05	8.2		0.05	8.2	4.93	1386	0.66	0.009		11.4	0.07			21.76			0.04	0.29				
1298914	JPL	2012-07-21	UTM83-8	7127450	600098	1440	WH112000414	131	1.23	9.3	1.6	2	115.2		0.18	5.23	0.52	7.7	19.6	12.67	2.49	3.1	47	0.05	13.5		0.05	13.5	3.31	1991	1.12	0.009		19.5	0.089			25.02			0.04	0.55				
1298915	JPL	2012-07-21	UTM83-8	7127399	600098	1430	WH112000414	140	1.28	10.5	1.9	2	119.9		0.22	3.16	0.68	8.7	21.2	14.38	2.61	3.3	45	0.06	16.2		0.06	16.2	2.02	2010	1.1	0.006		20.6	0.103			31.57			0.05	0.58				
1298916	JPL	2012-07-21	UTM83-8	7127352	600095	1416	WH112000414	79	0.66	5	0.9	2	37.2		0.11	8.33	0.24	3.3	9.5	7.46	1.29	1.4	30	0.05	9.4		0.05	9.4	5.6	905	0.54	0.009		9.4	0.091			16.7			0.05	0.23				
1298917	JPL	2012-07-21	UTM83-8	7127303	600100	1409	WH112000414	109	1.4	8.2	5.2	2	85		0.21	4.12	0.35	6.4	21.1	9.2	2.4	3.6	40	0.05	12.2		0.05	12.2	2.54	1348	0.78	0.008		16.3	0.102			19.4			0.05	0.47				
1298919	JPL	2012-07-21	UTM83-8	7129602	598500	1326	WH112000414	128	1.5	8.4	2.7	3	121.3		0.31	0.46	0.22	14.4	22.2	29.29	3.58	4.4	54	0.11	7.3		0.11	7.3	0.59	396	1.16	0.002		31.5	0.099			23.54			0.03	0.34				
1298920	JPL	2012-07-22	UTM83-8	7129650	598501	1315	WH112000414	140	1.43	9.5	3.5	3	145.3		0.31	0.35	0.3	12	23.3	28.37	3.51	4.2	59	0.11	12.2		0.11	12.2	0.57	461	0.93	0.003		32.7	0.094			26.72			0.03	0.43				
1298921	JPL	2012-07-22	UTM83-8	7129700	598501	1306	WH112000414	151	1.59	9.3	1.2	3	180.4		0.33	0.28	0.17	14.9	26.8	32.16	4.27	4.9	55	0.12	10.7		0.12	10.7	0.49	665	0.95	0.002		27.6	0.096			28.77			0.05	0.4				
1298922	JPL	2012-07-22	UTM83-8	7129752	598500	1300	WH112000414	58	1.65	7.9	1.2	2	121.5		0.3	0.34	0.15	12.8	24.6	24.02	3.86	5.1	23	0.11	6.1		0.11	6.1	0.61	388	1.04	0.002		28	0.058			19.01			0.03	0.28				
1298923	JPL	2012-07-22	UTM83-8	7129801	598499	1295	WH112000414	105	2.01	6.2	2.4	3	125.4		0.32	0.3	0.09	40	34.6	37.35	4.54	5.7	40	0.11	6.8		0.11	6.8	0.63	496	0.65	0.002		31.8	0.073			22.84			0.04	0.32				
1298924	JPL	2012-07-22	UTM83-8	7129901	598500	1273	WH112000414	182	0.99	11.7	2.1	5	168.7		0.26	3.79	0.47	16.5	19.3	32.88	3.38	2.7	113	0.11	19.1		0.11	19.1	0.23	1253	0.66	0.004		30	0.141			24.47			0.07	0.68				
1298925	JPL	2012-07-22	UTM83-8	7129949	598497	1260	WH112000414	159	1.33	8.9	2.1	3	137.3		0.26	1.33	0.35	11.7	21.8	31.66	3.17	4	109	0.11	8.6		0.11	8.6	0.41	450	0.8	0.003		25.7	0.084			33.01			0.08	0.48				
1298926	JPL	2012-07-22	UTM83-8	7129997	598496	1244	WH112000414	210	1.31	9.9	2.2	5	150.1		0.28	1.57	0.35	11.8	22.4	35.25	3.15	4	119	0.11	10.4		0.11	10.4	0.44	588	0.8	0.004		27.3	0.101			44.17			0.09	0.56				
1298927	JPL	2012-07-22	UTM83-8	7130054	598499	1236	WH112000414	88	1.43	7	1	2	124.1		0.24	0.31	0.12	10.2	24.2	26	3.27	4.1	38	0.09	9.8		0.09	9.8	0.56	346	1.03	0.002		25.5	0.126			25.53			0.06	0.34				
1298928	JPL	2012-07-22	UTM83-8	7130100	598498	1235	WH112000414	159	1.71	9	1.3	2	180.6		0.28	0.39	0.13	10.1	25.7	28.53	3.67	4.9	64	0.11	11.9		0.11	11.9	0.44	365	0.82	0.001		25.3	0.093			24.97			0.04	0.4				
1298929	JPL	2012-07-22	UTM83-8	7130149	598503	1233	WH112000414	174	1.39	26.8	1.9	3	160.5		0.33	0.71	0.27	25.4	28.2	56.61	4.63	4.2	370	0.12	13.4		0.12	13.4	0.52	902	0.84	0.003		44.3	0.088			38.24			0.01	0.79				
1298930	JPL	2012-07-22	UTM83-8	7130203	598498	1225	WH112000414	261	1.47	17.6	3.1	3	161.2		0.27	0.7	0.4	14.3	28.3	37.59	3.47	4.6	266	0.1	14.4		0.1	14.4	0.52	663	0.85	0.006		36.7	0.064			23.27			0.03	0.84				
1298931	JPL	2012-07-22	UTM83-8	7130255	598497	1221	WH112000414	133	1.65	11.8	2.9	2	173.9		0.28	0.61	0.15	12.3	28	21.76	3.1	5	64	0.08	11		0.08	11	0.5	573	1.19	0.004		25.9	0.078			21.46			0.05	0.64				
1298932	JPL	2012-07-22	UTM83-8	7130302	598497	1213	WH112000414	149	1.31	10.5	2	4	135.1		0.25	1.24	0.33	10.8	21.6	28.72	3.05	3.8	142	0.11	8.1		0.11	8.1	0.43	390	0.75	0.003		23.6	0.096			23.12			0.09	0.48				
1298933	JPL	2012-07-22	UTM83-8	7130349	598499	1208	WH112000414	171	1.15	15.4	4.1	3	111.8		0.23	3.48	0.6	13.2	19	31.89	3.22	3.1	145	0.12	10.7		0.12	10.7	1.86	846	0.92	0.004		26.8	0.09			38.87			0.05	0.73				
1298934	JPL	2012-07-22	UTM83-8	7130397	598499	1201	WH112000414	201	1.4	26.5	1.5	3	156.7		0.27	2.65	0.45	10.9	22.4	25.55	3.16	4.1	160	0.12	10.8		0.12	10.8	1.31																	

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1298905	2.3	0.5	21.2		0.02	0.9	0.014	0.29	1.7	41	0.1				190.9	
1298906	2.8	0.2	18.7		0.01	1.5	0.018	0.27	1.7	47	0.2				163.1	
1298907	3.4	0.5	17		0.05	1.9	0.016	0.3	1.8	53	0.3				169.3	
1298908	4.1	0.4	20.7		0.06	2.6	0.024	0.22	1.8	53	0.4				107.3	
1298909	1.7	0.2	26.6		0.03	0.6	0.014	0.13	1.3	32	0.1				77.3	
1298910	3.8	0.4	17.5		0.01	2.3	0.019	0.51	1.3	50	0.3				184.1	
1298911	3.2	0.2	25.4		0.04	2.2	0.021	0.23	1	38	0.2				188.6	
1298912	2.4	0.5	25.9		0.03	1	0.011	0.17	1	42	0.2				93.1	
1298913	2	0.5	31.3		0.01	1	0.007	0.14	0.7	21	0.05				60.9	
1298914	2.7	0.5	27.5		0.04	1.1	0.01	0.21	1	36	0.2				118.2	
1298915	2.8	0.5	20.8		0.05	1.2	0.008	0.23	1	35	0.1				144.1	
1298916	1.8	0.5	32.8		0.02	0.8	0.006	0.09	0.9	18	0.05				44	
1298917	2.2	0.5	19.7		0.04	1	0.011	0.15	0.7	39	0.2				106.3	
1298919	5.4	0.5	19.4		0.06	4.5	0.002	0.13	1.7	23	0.05				117.3	
1298920	4.8	0.5	19.9		0.05	4	0.003	0.15	1.4	27	0.05				123.6	
1298921	6.1	0.8	16.1		0.04	3.1	0.003	0.21	1.3	34	0.05				104.2	
1298922	4.8	0.3	15.4		0.05	3.6	0.002	0.15	0.7	28	0.05				108.8	
1298923	6.3	0.4	23.6		0.04	2.7	0.003	0.13	1.1	35	0.05				91.8	
1298924	5.7	0.7	424.2		0.05	1.2	0.002	0.16	1	27	0.05				117	
1298925	3.7	0.6	60.6		0.04	1.3	0.003	0.16	1.4	27	0.05				180.4	
1298926	4	1.2	48.1		0.05	1.1	0.005	0.18	1.5	28	0.05				156.5	
1298927	4.5	0.5	16.6		0.04	2.2	0.002	0.15	1.4	32	0.05				94.8	
1298928	5.7	0.6	20.3		0.05	2.4	0.002	0.2	1.7	34	0.05				100.7	
1298929	8.8	0.7	31.1		0.04	5.4	0.004	0.35	1	35	0.05				141.4	
1298930	5.7	0.6	34.5		0.05	2.5	0.011	0.25	1.2	40	0.1				131.3	
1298931	3.7	0.6	34.2		0.05	1.7	0.006	0.21	1.2	40	0.2				102.3	
1298932	3.7	0.8	55.3		0.03	1.4	0.003	0.2	1.1	27	0.05				143	
1298933	4.8	0.7	49.6		0.02	1.9	0.003	0.24	1.3	25	0.05				222.3	
1298934	4.5	0.6	46.6		0.02	1.7	0.004	0.46	1.3	32	0.05				246.2	
1298935	2.4	1	57.2		0.03	0.8	0.004	0.25	2.5	30	0.05				137.6	
1298936	3.9	0.7	85.6		0.04	1.3	0.004	0.22	1.6	32	0.05				146.8	
1298937	2.8	0.7	43		0.05	0.9	0.005	0.28	1.9	36	0.1				205.8	
1298938	3.5	0.8	71.6		0.03	1	0.002	0.63	3.3	31	0.05				418	
1298939	4.1	0.6	154.5		0.03	2.8	0.003	0.18	0.7	19	0.05				143.8	
1298940	3.9	0.9	27.7		0.04	1.2	0.002	0.63	1	27	0.05				207	
1298941	3	0.5	79.9		0.02	1.2	0.004	0.2	0.9	23	0.05				95	
1298942	3.6	0.4	40.5		0.04	1.6	0.005	0.21	0.7	34	0.1				103.1	
1298943	4.2	0.4	18.6		0.04	1.8	0.004	0.27	0.7	43	0.1				159.7	
1298944	4.1	0.6	30.5		0.03	1.2	0.004	0.37	0.8	26	0.1				305.2	
1298945	3.4	0.5	32.3		0.01	0.9	0.002	0.34	0.5	13	0.05				50.9	
1298946	3.6	0.5	35.4		0.03	1.3	0.005	0.29	0.5	19	0.05				55.9	
1298947	4.9	0.6	20.2		0.02	1.7	0.009	0.31	1.4	38	0.2				121.3	
1298948	6.9	0.3	16.1		0.03	3	0.005	0.37	1	33	0.05				155.4	
1298949	6.7	0.4	23.7		0.01	2.1	0.005	0.46	0.9	28	0.05				116.1	
1298950	3.9	0.4	16.8		0.05	1.4	0.01	0.27	1.5	37	0.1				209.5	
1298951	4	0.2	27		0.02	2.4	0.009	0.21	1.1	46	0.1				103.6	
1298952	4.9	0.7	22.2		0.04	1.8	0.009	0.43	1.3	35	0.1				380.8	
1298953	4.3	0.3	13.7		0.02	1.8	0.011	0.23	1.1	38	0.1				177	
1298954	5.1	0.3	51		0.01	2.7	0.004	0.17	0.9	24	0.05				80.8	
1298955	5.8	0.4	29.9		0.02	3.7	0.007	0.3	0.7	28	0.05				78	
1298956	5.4	0.4	68.2		0.01	2.6	0.002	0.25	0.7	19	0.05				208.2	
1298957	3.9	0.4	21.1		0.01	1.3	0.005	0.22	0.6	23	0.05				222.2	
1298959	4.9	0.5	17.1		0.07	3.3	0.005	0.38	0.9	43	0.2				2495	
1298960	7.6	1	41.3		0.01	1.8	0.001	0.47	0.9	34	0.1				227.9	
1298961	5.8	1	10		0.05	4.4	0.013	0.3	3.2	43	0.2				117.7	
1298962	5.9	0.5	19.3		0.02	3.8	0.002	0.32	0.9	29	0.05				135.3	
1298963	2.7	0.4	16.3		0.05	1	0.009	0.22	0.7	42	0.2				89.4	
1298964	4	0.5	25.3		0.04	2.5	0.007	0.24	0.7	33	0.2				119.4	
1298965	5.3	0.6	19.7		0.05	2.8	0.008	0.24	0.8	39	0.2				122.7	
1298966	4.9	0.6	41.2		0.01	1.7	0.003	0.31	0.8	25	0.1				906	
1298967	7.1	0.6	15.5		0.01	2.8	0.005	0.36	0.9	32	0.1				161.8	
1298968	6.1	0.4	10.7		0.04	2.5	0.005	0.39	0.8	36	0.1				168.2	
1298969	3.4	0.6	8.6		0.03	0.7	0.006	0.6	0.7	24	0.1				242	
1298970	6.5	0.6	23.3		0.08	3.3	0.005	0.82	1.3	36	0.2				178.7	
1298971	1.1	0.5	24.5		0.01	0.3	0.007	0.1	0.5	16	0.05				91.6	
1298972	2.8	0.5	30.2		0.03	0.9	0.012	0.22	1.4	38	0.2				197.5	
1298973	3.1	0.5	19.5		0.09	1	0.012	0.26	1.2	50	0.1				98.4	
1298974	1.8	0.7	34		0.05	0.5	0.009	0.14	1.2	28	0.9				207.6	
1298975	2.1	0.6	40.1		0.01	0.9	0.009	0.23	0.8	21	0.2				151	
1298976	4.5	0.7	29.1		0.08	1.6	0.008	0.63	1.3	38	0.2				132.7	
1298977	5	0.4	16.2		0.03	2	0.008	0.22	0.8	33	0.1				147.8	
1298978	4.8	0.4	9.6		0.03	1.8	0.004	0.23	0.6	33	0.05				174.7	
1298979	8.2	0.7	16.7		0.04	3.9	0.002	0.29	0.8	30	0.05				117	
1298980	4.8	0.5	17.6		0.06	1.6	0.006	0.27	0.7	39	0.1				89.7	
1298981	3.2	0.4	47.9		0.01	1	0.004	0.39	0.8	21	0.05				117.2	
1298982	6.3	0.5	11.9		0.02	2.1	0.003	0.23	0.8	31	0.05				78.1	
1298983	6.3	0.4	10.8		0.04	1.9	0.004	0.25	0.6	33	0.05				92.5	
1298984	5.9	0.5	13.9		0.04	2.5	0.007	0.23	0.9	35	0.2				88	
1298985	5.7	0.6	19.8		0.08	2.3	0.008	0.29	0.7	34	0.1				165.3	
1298986	5.8	0.4	22.8		0.04	1.6	0.0005	0.37	0.3	13	0.05				53.8	
1298987	3.5	0.6	20.7		0.02	1	0.007	0.25	0.8	34	0.05				110.5	
1298988	4.5	0.4	14.1		0.07	1.4	0.01	0.24	1.8	36	0.1				156.8	
1298989	5	0.6	12.3		0.07	2	0.013	0.27	0.8	41	0.2				123.1	
1298991	0.8	0.4	32.3		0.03	0.2	0.005	0.3	0.3	11	0.05				515.8	
1298992	5.4	0.7	125.8		0.09	1.3	0.005	0.72	0.6	24	0.05				152	
1298993	4	0.9	84.9		0.08	0.9	0.014	0.26	1	35	0.2				191	
1298994	3.9	0.7	26.8		0.03	1.7	0.021	0.32	1.5	51	0.3				200.6	
1298995	2.3	0.3	33.1		0.07	0.8	0.015	0.2	1.4	48	0.1				236.2	
1298996	1.9	0.8	35.6		0.04	0.6	0.011	0.22	3.3	42	0.2				207.9	
1298997	4.8	0.5	32.1		0.03	3.2	0.011	0.25	1.2	38	0.2				165.8	
1298998	3.3	0.6	29.7		0.06	1.3	0.01	0.24	2	43	0.1				193	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
129899	JPL	2012-07-24	UTM83-8	7130951	597497	1355	WHI12000497	249	1.59	17.5	1.6	3	179.3		0.27	1.75	0.44	16.5	25.2	29.51	3.72	3.8	104	0.07	18.6	1.09	1321	1.15	0.006	32.2	0.107	49.72											0.03	3.07		
129900	JPL	2012-07-24	UTM83-8	7131001	597496	1348	WHI12000497	152	1.41	16.1	2.2	2	156.9		0.28	1.95	0.31	11.6	23.8	24.88	2.93	4.4	100	0.07	13.8	0.99	524	1.1	0.005	24.2	0.087	36.88												0.04	1.76	
1300001	FT	2012-06-27	UTM83-8	7123900	599556	1395	WHI12000255	165	1.28	4.6	0.6	6	137.1		0.24	0.34	0.07	13.8	17.7	23.77	2.45	3.6	37	0.13	10.2	0.65	776	0.49	0.003	22.7	0.043	22.6												0.03	0.39	
1300002	FT	2012-06-27	UTM83-8	7123900	599596	1372	WHI12000255	125	1.44	8	0.5	6	106.7		0.27	1.36	0.16	16.5	16.7	25.52	2.66	3.9	40	0.1	9.9	0.59	3097	0.69	0.003	21.7	0.082	42.96												0.07	0.33	
1300003	FT	2012-06-27	UTM83-8	7123905	599645	1342	WHI12000255	68	1.32	8.2	0.1	4	135.7		0.35	0.14	0.19	10.4	20.6	14.74	3.4	5.4	25	0.1	5.6	0.34	651	0.85	0.006	13.4	0.077	58.03												0.06	0.36	
1300004	FT	2012-06-27	UTM83-8	7123895	599691	1317	WHI12000255	65	1.24	21	0.1	3	181		0.38	0.14	0.22	19.7	23.4	23.94	3.47	6.4	25	0.12	6	0.31	1575	1.94	0.005	17.1	0.07	69.38												0.05	0.51	
1300005	FT	2012-06-27	UTM83-8	7123897	599747	1278	WHI12000255	82	1.02	10	0.1	9	294.3		0.31	2.23	0.21	15.2	28.2	63.79	3.51	3.5	32	0.17	10.1	0.67	1549	1.68	0.009	30.7	0.064	29.46												0.06	0.51	
1300006	FT	2012-06-27	UTM83-8	7123911	599801	1272	WHI12000255	108	1.7	11.3	0.4	4	254.9		0.24	0.95	0.46	13.1	32.6	27.28	3.47	4.4	39	0.11	16.3	0.63	970	1.6	0.005	36.6	0.074	25.32												0.03	0.61	
1300007	FT	2012-06-27	UTM83-8	7123903	599848	1262	WHI12000255	62	1.38	8	0.6	3	362.9		0.3	0.35	0.09	11.2	30.4	31.04	3.21	4.8	24	0.12	8.2	0.44	564	0.89	0.006	24.1	0.057	25.51												0.01	0.35	
1300008	FT	2012-06-27	UTM83-8	7123907	599899	1243	WHI12000255	46	1.61	8.7	0.4	3	179.3		0.35	0.32	0.15	18.6	28.7	37.26	3.59	5.5	27	0.14	8.2	0.54	1210	0.91	0.005	33.5	0.051	30.74												0.01	0.38	
1300009	FT	2012-06-27	UTM83-8	7123909	599947	1236	WHI12000255	71	1.72	9.8	0.7	3	172.8		0.28	0.25	0.16	11.9	30.7	20.75	3.26	5.9	33	0.1	9.9	0.45	842	1.15	0.003	24.2	0.064	33.59												0.01	0.59	
1300010	FT	2012-06-27	UTM83-8	7123900	599998	1235	WHI12000255	25	1.83	7.8	0.1	3	76.4		0.35	0.04	0.09	22.3	30.6	23.43	4.05	6.5	28	0.13	6.3	0.44	1937	0.9	0.003	26.7	0.056	45.58												0.01	0.39	
1300011	FT	2012-06-27	UTM83-8	7123894	600045	1221	WHI12000255	66	1.19	7.7	0.3	1	70.3		0.28	0.05	0.14	8.1	21.9	10	2.64	6.7	33	0.07	11.6	0.18	844	1.77	0.002	10.9	0.04	17.62													0.01	0.62
1300012	FT	2012-06-27	UTM83-8	7123897	600095	1211	WHI12000255	49	1.64	11.6	2	3	194.3		0.34	0.25	0.13	18.2	30.9	53.53	3.51	5.8	43	0.12	12.2	0.53	1305	0.94	0.004	32.1	0.064	53.6												0.01	0.52	
1300013	FT	2012-06-27	UTM83-8	7123903	600150	1212	WHI12000255	28	1.49	6.8	2.1	2	96.2		0.31	0.07	0.13	21.3	29.7	20.81	3.48	5.6	21	0.15	6.8	0.44	1144	0.82	0.005	28.4	0.053	32.88												0.01	0.42	
1300014	FT	2012-06-27	UTM83-8	7123910	600197	1224	WHI12000255	37	1.59	7.7	1	2	69		0.34	0.03	0.16	19.1	27	36.08	3.67	6.2	33	0.11	6.2	0.29	1303	1.05	0.004	20.7	0.061	29.54												0.03	0.5	
1300015	FT	2012-06-27	UTM83-8	7123914	600250	1245	WHI12000255	43	1.33	11	0.1	2	42.1		0.33	0.03	0.06	10	23.3	16.33	4.03	7.9	25	0.07	7.4	0.16	906	1	0.003	10.6	0.05	20.72													0.01	0.36
1300016	FT	2012-06-27	UTM83-8	7123905	600291	1264	WHI12000255	44	1.33	5.1	0.9	2	83.3		0.25	0.04	0.11	5	23	10.23	2.72	6.8	44	0.1	9.5	0.12	368	1.16	0.002	9.5	0.048	22.78													0.01	0.4
1300017	FT	2012-06-27	UTM83-8	7123894	600345	1251	WHI12000255	70	1.68	6.8	0.3	3	66.2		0.4	0.03	0.27	14	30.3	16.99	3.93	7.8	30	0.14	6.4	0.33	892	0.81	0.004	19.4	0.039	30.06												0.01	0.27	
1300018	FT	2012-06-27	UTM83-8	7123892	600394	1237	WHI12000255	81	2	7.1	0.3	3	151.4		0.35	0.12	0.1	26.9	33.5	32.59	3.72	6.7	37	0.19	7.6	0.42	2318	0.81	0.004	30	0.059	25												0.02	0.34	
1300019	FT	2012-06-27	UTM83-8	7123895	600446	1221	WHI12000255	44	1.31	16.8	0.4	5	193.3		0.3	0.29	0.5	9.7	21.1	35.78	3.35	3.9	36	0.17	7.3	0.28	922	1.78	0.004	20.8	0.136	152.12												0.08	0.45	
1300020	FT	2012-06-27	UTM83-8	7123908	600542	1219	WHI12000255	46	0.43	6	0.1	6	35.6		0.18	8.81	0.35	8.6	9.9	14.13	2.12	1.6	28	0.19	5.7	4.67	835	0.47	0.009	15	0.05	64.46													0.03	0.16
1300021	FT	2012-06-27	UTM83-8	7123906	600588	1219	WHI12000255	67	0.1	4.8	0.1	3	10.1		0.01	15.16	6.28	1.3	2.3	2.59	2.33	0.4	33	0.02	2.9	7.78	1624	1.67	0.008	2.3	0.067	1004.67													0.06	0.04
1300022	FT	2012-06-27	UTM83-8	7123897	600639	1218	WHI12000255	81	0.19	3.7	0.1	3	15.5		0.01	13.43	8.09	2.1	3.9	3.34	2.69	0.7	59	0.02	3.8	6.78	1771	0.58	0.009	3.8	0.056	637.66													0.04	0.11
1300023	FT	2012-06-27	UTM83-8	7123900	600696	1227	WHI12000255	162	1.13	13	0.6	3	139.7		0.15	6.83	1.84	7.5	18.6	12.3	4.44	3.1	85	0.06	12.1	3.63	2183	1.73	0.008	16.1	0.125	72.23													0.05	0.43
1300024	FT	2012-06-27	UTM83-8	7123905	600755	1232	WHI12000255	171	0.74	8.6	0.1	3	87.5		0.07	10.83	17.94	4.5	11	6	7.31	2.3	155	0.02	7.3	5.43	3998	2.07	0.012	8.5	0.092	1918.85													0.12	0.3
1300025	FT	2012-06-27	UTM83-8	7123893	600800	1230	WHI12000255	78	0.39	4.5	0.1	2	56.1		0.03	9.32	8.1	2.3	6.2	3.47	4.09	1.1	55	0.02	5.3	4.78	2984	0.79	0.008	4.5	0.064	130.63													0.06	0.13
1300026	FT	2012-06-27	UTM83-8	7123900	600842	1206	WHI12000255	133	1.08	8.9	1.3	3	98.5		0.12	8.46	3.53	8.8	16.7	16.55	4.59	2.8	106	0.08	10.4	4.45	2569	0.84	0.008	19.3	0.083	70.44													0.03	0.45
1300027	FT	2012-06-27	UTM83-8	7123901	600896	1181	WHI12000255	210	0.83	9.9	0.8																																			

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1298999	4.6	0.1	34.1		0.06	2.8	0.012	0.23	1.4	37	0.1				150.7	
1299000	4	0.3	35.9		0.04	2.1	0.01	0.26	1.1	38	0.1				121.2	
1300001	4.7	0.3	16.6		0.02	3	0.003	0.14	0.5	16	0.05				67.5	
1300002	4.8	0.3	28.1		0.02	1.5	0.003	0.14	0.9	17	0.05				71.3	
1300003	1.7	0.2	16.3		0.04	1	0.004	0.12	0.5	25	0.05				85.3	
1300004	1.7	0.3	18.1		0.08	0.9	0.008	0.15	0.8	31	0.05				95.3	
1300005	5.3	0.5	77.1		0.06	4.4	0.008	0.18	2.9	25	0.2				78.5	
1300006	5.1	0.4	24.4		0.06	3.2	0.009	0.19	1.3	39	0.2				101.7	
1300007	4.4	0.2	16.2		0.04	3.7	0.008	0.13	1.1	31	0.2				89.7	
1300008	5.5	0.2	17.1		0.04	4.7	0.007	0.12	0.8	30	0.1				99.7	
1300009	3	0.2	14.5		0.04	1.6	0.01	0.19	0.8	44	0.2				107.5	
1300010	3.4	0.3	5.7		0.05	3.3	0.006	0.17	0.6	36	0.1				107.1	
1300011	1.9	0.3	6.7		0.05	2.1	0.02	0.17	0.6	48	0.2				64.5	
1300012	6.6	0.2	29.2		0.02	4.8	0.01	0.15	1.7	35	0.2				122.9	
1300013	3.7	0.1	6.5		0.04	4.1	0.008	0.18	0.8	34	0.2				109.2	
1300014	3.4	0.3	5.6		0.05	3	0.007	0.2	0.7	38	0.1				117.5	
1300015	2.5	0.2	5.9		0.02	2.5	0.006	0.16	0.5	39	0.05				78.2	
1300016	2.4	0.2	6.1		0.05	2.1	0.007	0.23	0.7	42	0.1				82.1	
1300017	3.5	0.2	6.3		0.04	2.8	0.006	0.17	0.5	33	0.05				104.6	
1300018	6	0.3	14.7		0.01	3.9	0.005	0.19	1.2	28	0.05				88.4	
1300019	6.1	0.3	18		0.05	1.7	0.004	0.32	2.4	28	0.1				237.7	
1300020	4.6	0.2	26.7		0.05	1.9	0.001	0.64	0.5	13	0.05				158.6	
1300021	0.5	0.4	38.5		0.01	0.4	0.001	0.5	1.4	3	0.05				711.5	
1300022	0.8	0.4	33.6		0.01	0.7	0.004	0.4	1.1	7	0.05				2059.7	
1300023	3	0.5	27		0.03	1.3	0.008	0.86	2	33	0.05				1599.6	
1300024	1.5	0.7	27.7		0.03	0.6	0.008	0.82	2.2	22	0.05				5994.9	
1300025	1	0.5	21.9		0.03	0.4	0.005	0.52	1.5	13	0.05				2841.2	
1300026	3.8	0.5	34.7		0.01	2.2	0.005	0.49	1.8	31	0.05				1238.8	
1300027	3.5	0.5	31.5		0.04	1.7	0.011	0.65	1.8	26	0.05				549.7	
1300028	2.7	0.3	7.7		0.07	2.9	0.006	0.17	0.4	48	0.1				90.5	
1300029	3.8	0.4	69		0.06	2.1	0.002	0.13	0.8	22	0.05				80.9	
1300030	3.6	0.7	156.9		0.03	3.2	0.001	0.14	2.1	12	0.05				80.8	
1300033	5.7	0.5	55.8		0.01	2.5	0.003	0.24	1.6	39	0.05				76.8	
1300034	5.9	0.3	39.8		0.04	3.6	0.003	0.2	1	32	0.05				160.6	
1300035	6	0.6	46.2		0.02	2.5	0.003	0.27	1.5	37	0.05				88.4	
1300036	5.6	0.1	39.9		0.05	3.2	0.003	0.2	1.2	29	0.05				179.2	
1300037	3.4	0.2	25.2		0.01	1.8	0.003	0.33	0.7	21	0.05				563	
1300038	4.5	0.2	113.7		0.04	4	0.011	0.18	0.6	29	0.05				115.1	
1300039	4.4	0.2	130		0.04	4.2	0.012	0.15	0.7	29	0.1				115.3	
1300040	0.9	0.5	28.1		0.03	0.3	0.003	2.27	1.2	9	0.05				2556.7	
1300041	3.4	0.3	41.1		0.01	2	0.005	0.22	0.8	19	0.1				197.7	
1300042	2.3	0.4	72.6		0.03	1.7	0.004	0.26	0.7	15	0.05				282.8	
1300043																
1300044	3.1	0.4	42.2		0.01	1.6	0.005	0.28	0.9	19	0.05				300.4	
1300045	5.5	0.5	32.8		0.03	3.1	0.003	0.21	1.8	29	0.05				122.1	
1300046	3.4	0.4	51.5		0.02	1.4	0.003	0.19	1.2	20	0.05				119	
1300047	5.2	0.8	65.7		0.01	1.8	0.008	0.24	1.6	37	0.05				106.1	
1300048	4.4	0.1	5		0.04	4.1	0.004	0.15	0.7	36	0.05				105.9	
1300049	3.5	0.4	5.4		0.01	3.5	0.006	0.15	0.9	32	0.1				76.5	
1300050	3.5	0.2	6		0.01	3.8	0.003	0.13	0.7	37	0.05				109.9	
1300051	2.9	0.05	5.6		0.02	4.3	0.005	0.18	0.6	29	0.05				106	
1300052	2.7	0.05	4.8		0.03	3.7	0.007	0.22	0.5	25	0.05				55	
1300053	1.1	0.05	45.6		0.01	0.7	0.009	0.15	1.9	18	0.05				324.3	
1300054	2.6	0.1	10.2		0.07	4	0.027	0.98	0.7	80	0.2				213.5	
1300055	1	0.1	56.3		0.04	1.5	0.0005	8.87	2.1	1	0.05				3335	
1300056	0.8	0.3	61		0.03	0.8	0.001	13.09	2.2	1	0.05				3792.9	
1300057	1	0.1	48.3		0.01	0.6	0.003	2.67	2.6	7	0.05				3312.2	
1300058	1.9	0.2	49.2		0.05	1.7	0.009	0.82	1.6	17	0.05				888.4	
1300059	0.8	0.6	53.2		0.05	0.4	0.002	1.57	2.3	5	0.05				1963.8	
1300060	1.4	0.1	64.2		0.03	1.4	0.001	0.91	2.5	4	0.05				1509.2	
1300061	3.7	0.4	42.4		0.01	3.1	0.006	0.26	1.4	18	0.05				334.1	
1300062	3.9	1.1	64.4		0.05	1.6	0.004	0.22	13	30	0.05				115.9	
1300063	2.1	0.9	132.4		0.03	0.9	0.004	0.21	10.6	30	0.05				94.2	
1300064	4.8	1	128.6		0.04	2.2	0.012	0.2	8.4	49	0.05				81.3	
1300065	2.8	0.9	199.4		0.04	0.8	0.006	0.18	8.3	67	0.05				79.9	
1300066	5.6	0.6	91.2		0.01	3.8	0.008	0.23	3.3	50	0.05				67.8	
1300067	5.1	0.7	82.7		0.03	3.1	0.003	0.15	7.8	42	0.05				85.7	
1300068	3.3	0.2	15.8		0.01	6.1	0.005	0.17	1	53	0.05				133.6	
1300069	4	0.9	74.6		0.03	1.5	0.008	0.13	9.6	38	0.05				123.7	
1300070	4.3	0.6	43.9		0.02	2.4	0.006	0.14	3.6	44	0.05				108.7	
1300071	5.1	1.3	51		0.04	3	0.005	0.12	3.8	36	0.05				140.2	
1300072	4.7	1	47.6		0.02	3.5	0.004	0.17	2.8	27	0.05				166.8	
1300073	4.2	1.2	74.9		0.05	3	0.003	0.13	2.7	21	0.05				118.5	
1300074	5.1	1.2	55.6		0.03	4.2	0.003	0.17	2.4	25	0.05				128.8	
1300075	4.1	1.8	65.9		0.05	2.8	0.003	0.14	3.6	22	0.05				127.2	
1300076	4.1	1.2	71		0.05	2.3	0.003	0.28	5.1	26	0.05				128.6	
1300077	4.4	0.5	40		0.05	3.9	0.002	0.13	2	18	0.05				100.5	
1300078	4.7	0.6	44.2		0.05	3.4	0.004	0.13	2.3	27	0.05				92.5	
1300079	3.8	1.2	74.5		0.06	2	0.004	0.2	7.3	28	0.05				200.7	
1300080	4.3	0.9	51.6		0.03	2.1	0.008	0.2	6.1	37	0.05				108.9	
1300081	4.3	1	60.6		0.01	2.3	0.013	0.17	3.4	32	0.2				63.6	
1300082	3.2	0.4	18.3		0.01	2.1	0.005	0.17	0.8	36	0.05				55.8	
1300083	4.3	0.8	42.4		0.02	1.7	0.005	0.16	1.3	30	0.05				77.5	
1300084	3.3	0.7	42.6		0.03	1.3	0.004	0.17	2.2	35	0.05				93.2	
1300085	5.2	1.6	74.5		0.02	2.2	0.005	0.51	5.3	32	0.05				109.9	
1300086	4.5	1	77.7		0.02	2.9	0.005	0.32	3.9	25	0.05				66.3	
1300087	1.5	1	106.3		0.01	0.4	0.003	0.24	3.2	17	0.05				61.7	
1300088	3.3	1.3	115.8		0.01	1.1	0.003	0.65	3.4	16	0.05				89.5	
1300089	3.4	0.9	339		0.02	2.4	0.002	0.35	3.8	14	0.05				81.4	
1300090	4	1.2	192.3		0.01	4.4	0.0005	0.57	2.6	10	0.05				53.5	
1300091	4.3	1.2	221		0.01	3	0.002	0.46	5.8	12	0.05				77.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1300092	FT	2012-06-30	UTM83-8	7125106	601059	1201	WHI12000252	188	0.54	10.2	0.8	7	74.1		0.38	0.72	0.12	12.6	7.2		40.23	3.64	1.4				52	0.16	4.7	0.13	235	0.88	0.003		32	0.072			19.28			0.04	0.38			
1300093	FT	2012-06-30	UTM83-8	7125101	601008	1171	WHI12000252	169	0.48	6.4	0.5	6	74.6		0.26	1.23	0.05	9.5	9		22.46	2.52	1.3				43	0.13	5.1	0.16	238	0.5	0.003		21.7	0.107			16.98			0.05	0.33			
1300094	FT	2012-06-30	UTM83-8	7125097	600906	1138	WHI12000252	169	0.49	6.7	0.7	6	67.5		0.26	1.24	0.13	7.3	7.8		19.51	2.27	1.4				53	0.11	5.3	0.11	172	0.57	0.002		19	0.078			19.33			0.06	0.27			
1300095	FT	2012-06-30	UTM83-8	7125096	600854	1121	WHI12000252	95	0.91	6.4	0.9	4	93		0.23	0.99	0.08	7.2	12.2		19.19	2.48	2.7				57	0.11	5.7	0.24	214	0.58	0.002		16.8	0.051			15.8			0.04	0.28			
1300096	FT	2012-06-30	UTM83-8	7125095	600797	1104	WHI12000252	136	0.83	7	0.9	6	90.5		0.22	1.47	0.25	8.8	12.9		22.88	2.57	2.6				67	0.13	7.5	0.35	459	0.61	0.003		22.3	0.08			17.13			0.06	0.36			
1300097	FT	2012-06-30	UTM83-8	7125100	600699	1096	WHI12000252	141	1.21	8.6	1.3	5	105.4		0.23	0.92	0.25	11.6	17.4		26.84	3.11	3.5				90	0.14	8.5	0.42	625	0.7	0.002		26.3	0.077			18.8			0.05	0.45			
1300098	FT	2012-06-30	UTM83-8	7125102	600735	1087	WHI12000252	148	0.98	7.2	1.2	4	104.1		0.24	0.98	0.18	9.7	14.1		23.64	2.7	2.9				72	0.11	7.2	0.32	594	0.57	0.002		21.2	0.064			18.01			0.05	0.36			
1300099	FT	2012-07-01	UTM83-8	7125309	601600	1440	WHI12000252	123	1.87	7.7	4	4	155.8		0.19	1.16	0.27	10.2	30.2		30.25	2.84	5.8				73	0.1	18.8	1.17	546	0.63	0.003		26.1	0.111			13.24			0.09	0.42			
1300100	FT	2012-07-01	UTM83-8	7125305	601553	1412	WHI12000252	136	1.87	10.5	2.8	3	126.3		0.21	0.7	0.29	9.3	31.1		23.04	3.12	5.7				69	0.11	20.5	1.17	400	0.87	0.002		26.7	0.081			16.33			0.05	0.56			
1300101	FT	2012-07-01	UTM83-8	7125303	601500	1386	WHI12000252	304	1.89	12.3	6.8	6	165		0.18	1.33	0.31	9.3	33.7		47.48	2.69	6.1				224	0.12	28.7	1.63	478	0.77	0.004		25.2	0.115			13.12			0.09	0.44			
1300102	FT	2012-07-01	UTM83-8	7125303	601403	1340	WHI12000252	373	1.75	10.9	5.5	4	139.8		0.17	1.82	0.34	9.8	32.7		23.91	2.56	5.8				172	0.11	24.2	1.23	418	0.92	0.005		23.9	0.094			13.11			0.09	0.47			
1300103	FT	2012-07-01	UTM83-8	7125292	601355	1317	WHI12000252	411	1.86	12.2	6.7	4	158.5		0.19	1.1	0.17	10.5	33.2		30.1	2.84	6.3				209	0.12	25.8	1.22	421	0.97	0.004		27	0.095			15.61			0.07	0.54			
1300104	FT	2012-07-01	UTM83-8	7125308	601200	1243	WHI12000252	233	0.57	8.6	0.9	7	60.8		0.28	1.15	0.35	10.2	10.4		25.68	3.09	1.8				104	0.11	8.1	0.2	351	1.17	0.003		32.7	0.099			33.43			0.04	0.5			
1300105	FT	2012-07-01	UTM83-8	7125297	601148	1212	WHI12000252	161	0.73	7.4	0.4	6	54.3		0.27	0.87	0.09	9.7	10.6		18.97	2.77	2.3				49	0.1	5.6	0.21	192	0.74	0.002		23.8	0.042			27.65			0.05	0.38			
1300106	FT	2012-07-01	UTM83-8	7125307	601105	1200	WHI12000252	370	1.48	7	0.9	3	137.1		0.28	0.85	0.21	10.3	19.4		25.97	3.55	4.2				116	0.11	9.2	0.41	287	1.02	0.003		25.3	0.038			26.17			0.04	0.46			
1300107	FT	2012-07-01	UTM83-8	7125309	601052	1175	WHI12000252	208	0.85	5.4	1.5	4	73.3		0.27	0.75	0.13	8.4	12.6		20.52	2.95	2.3				105	0.11	5.6	0.36	296	0.73	0.003		23.2	0.042			21.84			0.05	0.36			
1300108	FT	2012-07-01	UTM83-8	7125302	601005	1183	WHI12000252	49	0.88	8.6	0.9	4	68.8		0.13	10.28	0.34	7.3	11.2		13.22	4.74	1.9				51	0.06	15.7	5.08	4545	1.27	0.01		16.1	0.091			48.2			0.05	0.22			
1300109	FT	2012-07-01	UTM83-8	7125293	600955	1172	WHI12000252	50	0.15	4.6	0.3	2	23.5		0.04	12.47	0.09	2.6	3.2		4.56	1.82	0.4				17	0.03	4.7	6.29	1590	2.47	0.008		4.7	0.034			27.23			0.01	0.08			
1300110	FT	2012-07-01	UTM83-8	7125306	600859	1174	WHI12000252	458	0.73	9	0.1	3	91.1		0.07	12.65	11.16	4.9	9.2		7.5	8.84	2.1				81	0.04	7.5	6.28	4459	2.62	0.007		9.6	0.092			352.21			0.07	0.31			
1300111	FT	2012-07-01	UTM83-8	7125294	600795	1138	WHI12000252	80	0.33	4.5	0.2	2	36.8		0.04	13.46	0.46	2.6	5.9		3.28	1.43	0.9				20	0.03	3.9	7.03	1784	1.12	0.01		6.2	0.069			40.05			0.02	0.14			
1300112	FT	2012-07-01	UTM83-8	7125300	600749	1118	WHI12000252	157	0.97	7.2	0.5	3	77.5		0.1	10.71	1	6.2	12.2		9.98	2.66	2.2				57	0.05	6.3	5.5	2090	1.67	0.009		13.7	0.102			64.53			0.04	0.35			
1300113	FT	2012-07-01	UTM83-8	7125297	600699	1096	WHI12000252	132	1.11	8	0.7	4	114.1		0.11	8.32	1.55	6.2	13.7		12.3	2.22	2.6				75	0.07	7.3	4.11	2631	1.51	0.008		14.8	0.121			169.57			0.07	0.34			
1300114	FT	2012-07-01	UTM83-8	7125300	600665	1089	WHI12000252	203	1.52	10.6	1.5	4	158.7		0.18	2.72	1.25	10.8	21		24.96	3.18	4.3				145	0.1	9.8	1.41	1758	1.34	0.004		25	0.128			140.26			0.07	0.48			
1300115	FT	2012-07-01	UTM83-8	7125300	599911	1400	WHI12000252	126	1.72	14.3	1.1	2	167.7		0.44	0.1	0.22	27	28.9		36.49	3.91	6.7				49	0.12	4.5	0.38	3357	1.13	0.004		24.2	0.075			55.93			0.04	0.44			
1300116	FT	2012-07-01	UTM83-8	7125302	599949	1380	WHI12000252	78	1.56	10.8	4.3	3	191.5		0.36	0.11	0.16	23.9	25.3		59.44	3.55	5.3				40	0.17	7.2	0.44	3861	0.94	0.004		30.6	0.052			25.13			0.01	0.58			
1300117	FT	2012-07-01	UTM83-8	7125300	600003	1352	WHI12000252	42	1.41	4.8	0.6	3	125		0.37	0.05	0.09	27.1	20.9		24.96	3.94	4.3				36	0.18	3.8	0.25	2289	0.92	0.006		22.4	0.055			29.27			0.02	0.43			
1300118	FT	2012-07-01	UTM83-8	7125295	600049	1334	WHI12000252	35	1.66	11.9	3.5	3	150.6		0.31	0.36	0.21	9.6	28.8		11.75	3.07	5.6				30	0.09	9.3	0.5	561	1.16	0.002		20.8	0.074			52.22			0.03	0.52			
1300119	FT	2012-07-01	UTM83-8	7125297	600092	1312	WHI12000252	67	0.89	6.1	1.3	3	58		0.11	8.51	2.95	5.5	13.4		7.14	1.73	2.1				82	0.04	8.6	5.21	1935	0.74	0.01		9.1	0.156			715.93			0.07	0.27			
1300120	FT	2012-07-01	UTM83-8	7125299	600136	1292	WHI12000252	99	0.96	7.4	1.8	4	68.1		0.11	7.44	6.26	6.1	14.5		7.97	2.43	2.7				246	0.04	8.2	4.54	2375	1.04	0.008		11.1	0.148			1311.07			0.07	0.36			
1300121	FT	2012-07-																																												

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1300092	6.3	0.7	48.8		0.06	3.5	0.0005	0.15	2.7	12	0.05				92.4	
1300093	4.6	0.4	57.5		0.05	3	0.0005	0.1	2	14	0.05				47	
1300094	4.5	0.6	56.5		0.04	2.7	0.0005	0.14	2.4	11	0.05				89.9	
1300095	3.8	0.3	43.4		0.04	2.4	0.0005	0.12	1.5	19	0.05				56.8	
1300096	3.9	0.5	61.2		0.04	2.7	0.001	0.12	1.6	18	0.05				91	
1300097	4.3	0.4	42.8		0.04	2.6	0.002	0.13	1.3	24	0.05				119.5	
1300098	3.9	0.5	45.3		0.04	2.3	0.001	0.12	1.7	20	0.05				96	
1300099	3.3	0.7	49.8		0.03	1.1	0.004	0.12	3.4	37	0.05				78.6	
1300100	5.1	0.6	43.8		0.03	1.9	0.009	0.14	3.7	42	0.05				88.1	
1300101	5.2	1.1	82.2		0.03	1.4	0.01	0.26	6.3	45	0.05				98.5	
1300102	3	1	98.1		0.03	0.9	0.012	0.21	6.5	47	0.05				98.9	
1300103	4.5	1.3	65.5		0.02	1.4	0.01	0.23	11.8	48	0.05				92.9	
1300104	5.6	0.7	53		0.05	3.5	0.0005	0.24	1.9	13	0.05				177.8	
1300105	5.1	0.4	49.1		0.04	3.4	0.0005	0.11	1.6	12	0.05				81.2	
1300106	5.4	0.7	39.3		0.04	2.9	0.002	0.2	1.5	32	0.05				93.5	
1300107	3.9	0.4	24.5		0.02	2.5	0.001	0.13	0.8	19	0.05				83.2	
1300108	2.9	0.5	40		0.05	1.1	0.002	0.44	2.1	18	0.05				45.6	
1300109	1.2	0.2	52.3		0.01	0.7	0.001	0.5	1.4	5	0.05				26	
1300110	1.7	0.8	41.2		0.04	0.6	0.004	2.95	2.4	19	0.05				5891.9	
1300111	0.9	0.4	52.6		0.01	0.4	0.004	0.52	1.6	10	0.05				478.4	
1300112	1.7	0.5	44.1		0.01	0.7	0.006	0.48	2	21	0.05				683.6	
1300113	1.6	0.5	35.8		0.04	0.4	0.005	0.48	2.6	24	0.05				614.6	
1300114	3.3	0.7	19.5		0.05	1.3	0.004	0.63	2.4	33	0.05				728.9	
1300115	4.5	0.3	7.5		0.06	2.7	0.005	0.15	1.1	33	0.2				80.7	
1300116	5.4	0.2	8.7		0.06	2.8	0.012	0.16	1.1	34	0.2				96.6	
1300117	9.4	0.3	6.6		0.08	3.7	0.008	0.2	0.9	28	0.05				72.2	
1300118	2.7	0.2	10		0.06	1.8	0.008	0.37	0.7	46	0.2				151.5	
1300119	1.3	0.3	32.9		0.03	0.5	0.006	0.31	1.1	22	0.05				1230.5	
1300120	1.4	0.4	29.3		0.02	0.6	0.008	0.37	1.6	26	0.05				2918.7	
1300121	0.9	0.4	51.1		0.01	0.3	0.006	0.33	1.5	17	0.05				941	
1300122	1.4	0.5	39.3		0.03	0.6	0.008	0.43	2.1	19	0.1				881.8	
1300123	2.5	0.6	24.9		0.06	1.1	0.01	0.52	2.3	33	0.1				1481.2	
1300124	1.4	0.5	49.4		0.01	1.1	0.002	0.53	1.4	7	0.05				2077.2	
1300125	1.8	0.3	46.5		0.03	0.8	0.004	0.26	2.5	9	0.05				235.8	
1300126	1	0.5	40.2		0.01	0.6	0.003	0.61	2.7	8	0.05				2914.2	
1300127	1.8	0.3	36.2		0.02	1.1	0.002	0.36	2.1	10	0.05				1737.1	
1300128	3.8	0.7	25.1		0.02	2.4	0.004	0.63	1.2	23	0.05				5066.2	
1300129	3.8	0.4	26.4		0.04	1.8	0.008	0.49	1.6	25	0.1				2075.9	
1300130	3.5	0.3	16.9		0.04	2	0.012	0.29	1.3	41	0.2				412.7	
1300131	4.1	0.3	18.4		0.04	3.2	0.019	0.24	1.3	55	0.2				489.2	
1300132	3.8	0.2	13.8		0.04	2.9	0.021	0.34	0.9	63	0.2				696.6	
1300133	3.1	0.4	28.5		0.02	1.3	0.01	0.3	1.3	37	0.1				2114.5	
1300134	3.3	0.1	10.8		0.03	2.7	0.023	0.24	0.7	65	0.2				750.1	
1300135	2.4	0.4	22.6		0.01	0.8	0.005	0.41	0.6	31	0.05				404.6	
1300136	6.3	0.3	16		0.04	3.5	0.003	0.3	1.4	41	0.05				394.4	
1300137	1.1	0.5	47.9		0.01	0.6	0.001	21.56	1.8	5	0.05				3319.7	
1300138	3	1.2	37.7		0.03	1.6	0.003	3.04	1.6	19	0.05				4049.1	
1300139	3.6	0.7	120.2		0.02	1.5	0.004	0.15	1.9	28	0.05				138.9	
1300140	3.9	0.4	54.3		0.04	2.1	0.004	0.1	1.5	30	0.05				320.1	
1300141	4.8	0.2	60.3		0.05	2.3	0.002	0.2	1.2	22	0.05				120.8	
1300142	5.1	0.3	53.9		0.05	3.6	0.004	0.19	0.8	27	0.05				123.7	
1300143	5.3	0.3	41.1		0.03	4	0.005	0.15	1.4	34	0.05				87.9	
1300144	5.9	0.4	66.1		0.02	4.6	0.006	0.15	1.2	34	0.05				78.9	
1300145	6.6	0.6	42.8		0.02	3.4	0.009	0.18	1.8	45	0.05				69.4	
1300146	7.5	0.2	38.1		0.01	5.7	0.008	0.18	1.3	51	0.05				75	
1300147	3.7	0.2	24.6		0.01	2.8	0.011	0.16	1.4	56	0.05				99.8	
1300148	8.2	0.6	16.5		0.03	6.2	0.011	0.16	1.1	47	0.05				92	
1300149	8.2	0.2	48.6		0.03	7.3	0.004	0.11	0.7	24	0.05				77.2	
1300150	6.6	0.3	41.9		0.03	4.1	0.004	0.08	1.3	19	0.05				88.7	
1300151	4.5	1	61		0.03	2.1	0.004	0.08	5.9	25	0.05				75.7	
1300152	5.8	0.3	46.3		0.04	3.3	0.002	0.09	1.1	23	0.05				76.8	
1300153	5.8	0.4	71		0.05	3.7	0.002	0.09	1.5	18	0.05				76.8	
1300154	3.2	0.4	24.3		0.03	1.7	0.006	0.18	1.8	28	0.1				1198	
1300155	3.7	0.3	60.8		0.04	2.6	0.004	0.21	1	20	0.05				627.3	
1300156	3.5	0.7	21.2		0.05	2	0.002	0.46	1.7	22	0.05				2448.2	
1300157	5.6	0.3	11.1		0.04	4	0.007	0.21	0.9	48	0.1				291.2	
1300158	4.1	0.5	14.6		0.04	2.1	0.006	0.52	3.2	38	0.1				3322	
1300159	2.4	0.4	68.7		0.02	1.1	0.008	0.15	2.3	24	0.1				382.7	
1300160	4.6	0.5	51.6		0.01	2.9	0.002	0.15	0.9	17	0.05				133	
1300161	4.9	0.5	41.6		0.01	3.2	0.002	0.14	1.3	19	0.05				113.9	
1300162	3.2	0.1	7.2		0.09	2.9	0.004	0.1	0.5	28	0.05				73.9	
1300163	2.4	0.2	7.2		0.04	2.9	0.008	0.16	0.4	49	0.1				56	
1300164	3	0.2	4.9		0.07	2.6	0.003	0.13	0.4	32	0.05				60.1	
1300165	4.4	0.3	38.9		0.06	3.2	0.003	0.19	1	49	0.1				95.1	
1300166	7	0.4	49.1		0.17	4.8	0.0005	0.55	0.9	16	0.05				234.7	
1300167	6.2	0.9	48		0.05	4.2	0.003	0.12	1.4	29	0.05				172.1	
1300168	5.1	0.2	13.1		0.04	4.5	0.003	0.15	0.6	43	0.05				73.8	
1300169	4	0.2	21.7		0.04	3.5	0.014	0.19	1	55	0.1				70.3	
1300170	6.2	0.4	21		0.02	3.7	0.009	0.15	2.4	42	0.05				62.9	
1300171	7	0.6	43.4		0.01	5	0.007	0.12	1	34	0.05				83.2	
1300172	8.1	0.9	44.8		0.01	3.5	0.006	0.14	3.4	37	0.05				73.8	
1300173	3.5	1.3	83		0.01	1.5	0.005	0.12	7.7	26	0.05				66.9	
1300174	6.2	0.4	43.3		0.02	4.1	0.004	0.08	2.2	22	0.05				95.3	
1300175	3.3	0.2	10.9		0.07	2.7	0.0005	0.09	0.3	25	0.05				85.7	
1300176	6.8	0.4	17.9		0.05	3.6	0.002	0.12	0.7	27	0.05				88.1	
1300177	6.2	0.7	45.1		0.04	2.6	0.003	0.12	3.5	29	0.05				89.8	
1300178	5.6	0.3	15.1		0.04	3.9	0.003	0.11	0.6	33	0.05				79.1	
1300179	6.4	0.5	30.1		0.06	3.3	0.006	0.14	1.6	36	0.1				80.2	
1300180	5.1	0.5	10.3		0.06	3.8	0.005	0.13	0.6	38	0.05				69.6	
1300181	5.5	0.6	22.5		0.03	3	0.011	0.14	5.3	42	0.2				91.2	
1300182	8.2	1	44.6		0.04	2.9	0.007	0.13	6.2	35	0.05				104.1	

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1300183	4.2	0.2		10.5		0.04	2.1	0.006	0.16	1.1	27	0.1			82.1	
1300184	3.8	0.4		40.7		0.02	2.1	0.006	0.59	4.2	38	0.05			171	
1300185	2.1	0.5		34.7		0.02	0.8	0.006	0.23	1.3	29	0.05			149.5	
1300186	3.2	0.5		41.6		0.04	1.4	0.013	0.41	3.5	48	0.1			281.1	
1300187	1.9	0.5		47.9		0.01	0.8	0.004	0.61	1.3	21	0.05			394.3	
1300188	2	0.4		48		0.01	1	0.005	0.37	0.9	16	0.05			281.3	
1300189	1.9	0.5		34.5		0.02	0.6	0.008	0.43	1	31	0.1			755.8	
1300190	0.3	0.7		61.7		0.11	0.2	0.004	1.54	2.2	9	0.05			5000.4	
1300191	1.3	0.4		57.7		0.01	1.1	0.003	2.6	2.9	6	0.05			1766.7	
1300192	1.7	0.6		32.3		0.06	2.4	0.001	5.27	1.6	9	0.05			7905.5	
1300193	4.1	0.9		43.4		0.06	2.2	0.004	0.19	5.6	23	0.05			93.5	
1300194	0.05	0.3		35		0.06	0.05	0.001	0.18	1	30	0.05			80.3	
1300195	4.3	0.6		35.2		0.06	2.5	0.003	0.19	1.6	26	0.05			85.3	
1300196	5.3	0.7		55		0.02	4.7	0.004	0.16	1.6	28	0.05			99	
1300197	4.7	0.7		103.9		0.01	5	0.005	0.16	1.6	22	0.05			102.8	
1300198	4.3	0.8		134.5		0.06	5.1	0.005	0.08	1.7	26	0.05			72.3	
1300199	4.4	0.7		80.5		0.01	3.5	0.007	0.1	1.5	31	0.05			86.1	
1300200	5.7	0.8		97.1		0.01	5.3	0.009	0.12	2.2	35	0.05			93.4	
1300201	4.2	1		114		0.01	8	0.004	0.05	1	15	0.05			78.9	
1300202	5	0.9		71.1		0.01	7.9	0.006	0.05	1	15	0.05			83.1	
1300203	4.5	0.4		102.3		0.01	9.2	0.004	0.06	1.1	14	0.05			77.5	
1300204	5.9	0.3		15.9		0.01	4.9	0.003	0.14	1.2	22	0.05			102.9	
1300205	6.1	1.7		90.5		0.09	6.5	0.004	0.23	3.5	17	0.05			135.8	
1300206	4.5	0.8		39.9		0.01	5.1	0.002	0.13	0.8	11	0.05			232	
1300207	5.1	0.6		62.8		0.03	9.1	0.005	0.06	1.2	15	0.05			89.7	
1300208	4.6	0.4		31.6		0.02	4	0.003	0.19	1.4	30	0.05			74.7	
1300209	5.4	0.8		30.2		0.07	6.3	0.002	0.15	1.6	33	0.05			76.9	
1300210	6.4	0.8		27.7		0.01	4.4	0.003	0.16	0.8	27	0.05			98.2	
1300211	7	0.6		24.8		0.01	6.1	0.004	0.16	1.1	29	0.05			60.2	
1300212	4.9	0.3		5.3		0.03	2.8	0.006	0.16	0.4	41	0.05			43.2	
1300213	11.2	0.6		25.1		0.07	3.5	0.003	0.18	0.6	28	0.05			112.4	
1300214	5.3	0.7		38.7		0.07	3.5	0.002	0.16	1.6	20	0.05			110.4	
1300215	7.3	0.8		38.8		0.06	2.3	0.004	0.15	1.6	26	0.05			149.3	
1300216	10.1	0.7		39.5		0.01	1.6	0.002	0.8	0.8	31	0.05			1944.7	
1300217	1.7	0.5		52.7		0.01	0.4	0.007	0.36	0.6	15	0.05			1761.3	
1300218	4.9	0.7		74.6		0.07	1.3	0.005	3.35	0.8	29	0.1			722.5	
1300219	2.7	1		51.7		0.01	0.6	0.008	1.75	1.1	33	0.2			1305	
1300220	2.8	1		83.3		0.03	0.9	0.003	1.99	0.8	16	0.05			428.5	
1300221	1.2	0.3		24.9		0.01	0.6	0.01	0.29	0.6	20	0.1			136.2	
1300222	1.5	0.6		40.5		0.01	0.4	0.007	0.44	0.9	20	0.1			199.1	
1300223	2.1	0.7		32.8		0.01	0.6	0.007	0.48	1	28	0.1			359.6	
1300224	0.9	0.1		39.6		0.01	0.3	0.005	0.08	0.5	8	0.05			54.1	
1300225	1.1	0.3		55.9		0.01	0.4	0.006	0.14	0.7	11	0.05			178.9	
1300226	0.8	0.5		31.6		0.01	0.2	0.002	0.16	0.9	8	0.05			166.7	
1300227	2.2	0.5		38.5		0.01	0.8	0.002	0.3	0.6	8	0.05			280	
1300228	4.2	0.5		29.3		0.01	1.2	0.002	0.93	0.5	10	0.05			110	
1300229	4.4	0.7		51.6		0.01	1.4	0.004	0.74	0.6	12	0.1			278.8	
1300230	6.4	0.6		14.9		0.04	1.7	0.005	0.91	0.8	26	0.1			206.8	
1300231	3.7	0.6		22.9		0.09	1	0.005	0.49	2	102	0.1			264.2	
1300232	4.4	0.4		20		0.03	1.4	0.009	0.32	0.8	39	0.2			193.2	
1300233	4.2	0.4		13.4		0.05	2.2	0.014	0.26	0.9	46	0.2			102.6	
1300234	4.3	0.6		41.4		0.04	1	0.003	0.54	1.3	47	0.3			314.6	
1300235	3.7	0.4		35.3		0.05	0.8	0.002	0.61	1.5	35	0.1			463	
1300236	2.8	0.9		61.4		0.04	0.6	0.0005	0.93	0.9	14	0.3			970	
1300237	3.9	0.9		80.8		0.04	1.2	0.0005	1.26	1.2	16	0.3			507.7	
1300238	2.3	0.6		79.5		0.01	1.2	0.001	0.93	0.7	10	0.1			231.5	
1300239	2.4	0.7		111.5		0.01	0.8	0.002	0.76	1.1	9	0.1			267.3	
1300240	1	0.6		59.2		0.01	0.3	0.002	0.38	0.7	11	0.05			328	
1300241	4	0.7		44.9		0.03	3.1	0.002	0.47	2.8	17	0.05			596	
1300242	6.5	0.6		21.8		0.01	6.5	0.003	0.12	1.8	25	0.05			117.7	
1300243	5.5	0.4		22.3		0.03	3.3	0.01	0.25	1.2	36	0.1			430.2	
1300244	5	0.5		25.3		0.09	3.8	0.005	0.36	1.1	26	0.05			578.1	
1300245	4.2	0.6		51.1		0.04	2.2	0.002	0.24	1.5	15	0.05			472	
1300246	5.1	0.4		26.9		0.04	3	0.008	0.27	2.2	26	0.05			441	
1300247	3.9	0.5		36.1		0.05	1.6	0.002	0.21	1.5	22	0.05			247.2	
1300248	4.3	0.7		40.3		0.04	2.6	0.003	0.24	1.7	26	0.05			180.8	
1300249	5.1	0.5		30.2		0.06	3.9	0.003	0.2	1.7	32	0.05			171.2	
1300250	6.5	0.2		13.3		0.06	3.4	0.007	0.3	0.6	35	0.05			155.3	
1300251	5.3	0.4		26.2		0.05	2.1	0.006	0.24	1	29	0.05			199.2	
1300252	5.7	0.4		25.1		0.02	4.2	0.011	0.17	1	28	0.1			115.9	
1300253	6.3	0.2		25.2		0.01	4.1	0.015	0.4	0.6	34	0.1			326.2	
1300254	1.7	0.3		174.4		0.01	0.9	0.004	2.43	0.4	8	0.05			330.4	
1300255	3.1	0.6		82.1		0.03	0.7	0.006	0.58	0.8	21	0.1			330.4	
1300256	2.3	0.2		48.2		0.03	0.7	0.009	0.24	0.6	19	0.1			145.2	
1300257	2.6	0.3		59.7		0.01	0.9	0.006	0.39	0.7	16	0.2			175.3	
1300258	3.7	0.5		52.4		0.01	1	0.009	0.62	1	29	0.2			344.4	
1300259	3.3	0.6		33.8		0.04	1.2	0.015	0.41	1.7	33	0.2			290.4	
1300260	3	0.3		51.2		0.01	0.9	0.004	0.37	0.7	16	0.1			189.1	
1300261	3.5	0.05		27		0.01	1.5	0.009	0.3	0.8	28	0.2			151.9	
1300262	4.4	0.2		37.8		0.01	1.3	0.004	0.98	0.5	25	0.1			219.9	
1300263	4.4	0.3		21.7		0.03	0.9	0.004	0.61	0.5	31	0.2			259.9	
1300264	5.6	0.4		40.3		0.05	1.5	0.007	0.85	0.6	30	0.2			261.3	
1300265	5.9	0.3		18.3		0.05	1.1	0.003	0.4	0.7	26	0.2			185.3	
1300266	4.5	0.3		29.1		0.04	0.9	0.006	0.4	0.6	32	0.2			285.8	
1300267	1.7	0.3		36.2		0.01	0.3	0.005	0.38	0.6	19	0.3			317.1	
1300268	1.2	0.3		22.6		0.01	0.2	0.005	0.27	0.5	20	0.1			271.1	
1300269	3.4	0.4		23.9		0.05	1.4	0.026	0.23	1.3	62	0.1			306.1	
1300270	2.8	0.4		142		0.02	0.8	0.014	0.17	1.8	42	0.2			292.1	
1300271	4.3	0.3		69.1		0.03	0.7	0.012	0.15	0.8	42	0.05			100.9	
1300272	13.4	0.2		21.2		0.04	3.4	0.009	0.29	0.8	41	0.05			123.8	
1300273																

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1300274																
1300275	10.9	0.2		20		0.03	2.9	0.005	0.28	0.8	42	0.05			133.6	
1300276	4.3	0.3		12.9		0.05	0.7	0.008	0.18	0.8	49	0.05			161.1	
1300277	4.9	0.2		42.3		0.03	1.5	0.009	0.11	1	30	0.1			105.5	
1300278	5.3	0.4		7.2		0.04	2	0.01	0.15	0.5	50	0.05			104.3	
1300279	6.5	0.4		7.6		0.04	3	0.009	0.16	0.5	56	0.05			121.7	
1300280	4.9	0.4		6.5		0.01	2.7	0.006	0.12	0.7	43	0.05			120.2	
1300281	4.4	0.3		16.7		0.04	3.4	0.004	0.18	1.2	28	0.05			120.5	
1300282	5.6	0.3		7.9		0.05	4	0.004	0.13	0.7	38	0.05			68.9	
1300283	1.8	0.3		6.5		0.04	0.5	0.007	0.15	0.4	41	0.05			85.7	
1300284	4.8	0.3		21.2		0.01	4.8	0.003	0.18	1.5	22	0.05			168	
1300285	2.9	0.2		7.6		0.04	3.1	0.013	0.14	0.8	41	0.2			85	
1300286	3.4	0.3		21.8		0.03	2.8	0.004	0.12	1.3	22	0.05			144.4	
1300287	5.1	0.4		30.5		0.03	3.9	0.003	0.13	1.1	23	0.05			139.1	
1300288	3.7	0.4		6.3		0.03	4.4	0.004	0.11	0.8	32	0.05			108.9	
1300289	3.4	0.2		5.7		0.01	3	0.004	0.28	0.8	38	0.2			146.6	
1300290	5.1	0.4		8		0.06	4.8	0.005	0.28	1.1	34	0.2			170.4	
1300291	4.7	0.4		15.9		0.04	4.7	0.024	0.2	1.2	44	0.3			107.9	
1300292	3	0.4		11.1		0.04	1.3	0.012	0.23	1.4	52	0.2			76.1	
1300293	1.9	0.3		7.1		0.03	0.7	0.011	0.25	0.7	49	0.2			77.5	
1300294	2.8	0.3		11.9		0.07	2.7	0.003	0.14	0.7	22	0.05			121.6	
1300295	3.3	0.5		20.6		0.04	1.8	0.003	0.16	1.2	19	0.05			113.2	
1300296	3.5	0.4		14.2		0.03	1.5	0.005	0.2	1.4	28	0.05			104.3	
1300297	3.5	0.6		18.1		0.03	1.9	0.004	0.16	0.8	25	0.05			104	
1300298	2.3	0.5		19.4		0.04	0.8	0.008	0.53	1.6	40	0.1			497.1	
1300299	2	0.4		35.6		0.01	0.7	0.009	0.4	1.1	25	0.05			411.1	
1300300	1.6	0.5		42		0.03	0.6	0.008	0.4	1.2	22	0.05			516.2	
1300301	9	0.4		11.7		0.05	3.2	0.009	0.27	1.4	25	0.05			85.3	
1300302	1.8	0.5		25.1		0.02	0.5	0.009	0.68	1.4	27	0.05			688.7	
1300303	2.4	0.4		32.7		0.01	0.9	0.011	0.42	1.8	29	0.1			245	
1300304	1.5	0.5		35.3		0.03	0.4	0.005	0.65	1.9	21	0.05			398.4	
1300305	2.9	0.7		20.7		0.04	1.1	0.015	1.69	1.9	44	0.2			851.5	
1300306	4.6	0.3		10.5		0.05	2.1	0.004	0.35	1.8	34	0.05			228.1	
1300307	6.2	0.6		13.8		0.05	3	0.006	0.33	2.1	33	0.1			217.7	
1300308	4.4	0.6		13.7		0.04	2	0.011	0.3	2.4	47	0.2			205.1	
1300309	4.5	0.5		14.9		0.05	2	0.008	0.24	2	39	0.1			221.4	
1300310	4.8	0.5		15.5		0.05	2.8	0.013	0.34	1.6	43	0.2			247.4	
1300311	4.9	0.5		9.5		0.04	3.3	0.005	0.49	1.6	42	0.1			453.6	
1300312	6.8	0.8		11.1		0.03	4.1	0.004	0.54	1.8	38	0.05			526	
1300313	5	0.5		21.6		0.04	2.7	0.002	0.57	1.5	28	0.05			505	
1300314	3.8	0.4		25.6		0.03	2	0.004	0.38	1.4	28	0.05			369.8	
1300315	4.4	0.4		14.4		0.04	2	0.017	0.23	1.3	51	0.2			133.6	
1300316	5	0.4		23.5		0.03	2.6	0.007	0.27	1.7	33	0.05			218.3	
1300317	2.8	0.3		25.9		0.01	2	0.002	0.2	1.1	13	0.05			216.2	
1300318	4.3	0.3		12.7		0.05	3.6	0.008	0.35	1.3	47	0.1			194	
1300319	5.4	0.4		19.1		0.05	3.7	0.01	0.49	1.7	37	0.05			238	
1300320	5	0.3		18.7		0.04	2.7	0.003	0.39	1.7	25	0.05			248.6	
1300321	4.1	0.4		12.3		0.07	1.9	0.011	0.31	1.3	49	0.1			115.4	
1300322	2.8	0.5		20.8		0.03	1.1	0.012	0.28	1.1	40	0.05			217.1	
1300323	1.7	0.7		26		0.04	0.5	0.009	0.44	2.7	37	0.05			481.9	
1300324	3	0.6		24.5		0.04	1	0.015	0.47	2.1	43	0.05			529.4	
1300325	3.2	0.6		19.6		0.05	1.2	0.015	0.53	2	52	0.1			414.4	
1300326	1.7	0.4		45.9		0.03	0.8	0.005	0.42	1.9	19	0.05			185.4	
1300327	1	0.6		26.8		0.03	0.3	0.007	0.97	2.3	24	0.05			654.3	
1300328	4.3	0.4		11		0.07	2.5	0.003	0.27	1.3	32	0.05			119.8	
1300329	6.5	0.8		35.3		0.07	4	0.002	0.15	1.3	21	0.05			195.5	
1300330	3.1	0.4		28.6		0.07	1.4	0.004	0.33	1.4	37	0.05			81.1	
1300331	3.6	0.5		23.1		0.06	2.5	0.008	0.29	3.4	39	0.1			131.8	
1300332	3.2	0.6		24.5		0.03	2.3	0.005	0.3	4	29	0.05			230.4	
1300333	2.6	0.3		15.9		0.04	1.5	0.01	0.21	1.5	51	0.2			133.3	
1300334	4	0.5		18		0.02	1.5	0.008	0.18	2.9	40	0.1			140.9	
1300335	4.7	0.5		25.5		0.05	2.7	0.006	0.19	3.1	37	0.05			122	
1300336	2.5	0.3		10.4		0.04	1.2	0.018	0.19	0.9	54	0.2			86.8	
1300337	4.8	0.5		26		0.04	2.8	0.006	0.2	1.9	30	0.1			135.9	
1300338	5.2	0.6		28.8		0.04	2.9	0.008	0.21	4.2	34	0.05			129.6	
1300339	4.3	0.8		22.8		0.04	2.8	0.007	0.23	8.8	34	0.1			176.7	
1300340	3.9	0.4		40.2		0.01	2.4	0.004	0.15	2	14	0.05			149.5	
1300341	3.6	0.4		53.5		0.01	2	0.003	0.12	1.4	14	0.05			104.6	
1300342	4.3	0.3		26.8		0.04	4.6	0.004	0.15	1.6	21	0.05			131.5	
1300343	4.8	0.6		28.5		0.04	3.1	0.004	0.14	4.3	23	0.05			153.4	
1300344	3.2	0.8		67.5		0.03	1.1	0.003	0.29	2.3	19	0.05			524.3	
1300345	2.8	0.7		30.7		0.03	1.3	0.003	0.17	3.6	17	0.05			195.9	
1300346	3.3	0.3		138.8		0.01	3.3	0.002	0.14	1.2	12	0.05			97.1	
1300347	3.1	0.5		26.9		0.03	1.4	0.003	0.23	1.2	18	0.05			190	
1300348	3	0.7		34.7		0.03	1.5	0.003	0.18	1.5	15	0.05			198.1	
1300349	3.2	0.6		37.8		0.01	2.4	0.004	0.15	1.5	14	0.05			140.5	
1300350	5.1	0.3		17.2		0.04	3.2	0.006	0.24	1.3	31	0.1			111.4	
1300351	4.7	0.4		15.1		0.03	2.9	0.007	0.28	1.6	35	0.2			186.2	
1300352	4.4	0.3		12.8		0.03	2.2	0.008	0.28	1.5	37	0.1			233.5	
1300353	2.5	0.4		25.9		0.01	1.2	0.006	0.25	1.2	17	0.1			238	
1300354	2.6	0.4		22		0.03	1.1	0.007	0.29	1.5	27	0.1			293.6	
1300355	2	0.5		33		0.03	0.8	0.008	0.75	2.4	27	0.1			532.5	
1300356	2.2	0.5		22.2		0.04	0.8	0.008	1.19	3.8	34	0.05			989.7	
1300357	2.8	0.2		8.1		0.02	2.7	0.0005	0.49	0.8	7	0.05			113.7	
1300358	3.3	0.4		23.6		0.03	2.1	0.007	0.28	1.7	30	0.1			126.8	
1300359	3.3	0.3		18.8		0.05	2.3	0.003	0.23	1.1	30	0.05			167.2	
1300360	3.6	0.4		21.9		0.05	2.3	0.003	0.43	2	23	0.05			380.1	
1300361	3.8	0.5		32.5		0.06	1.8	0.008	0.18	2.5	34	0.1			101.8	
1300362	2.9	0.7		58.3		0.05	1.3	0.008	0.29	9.6	31	0.05			137.4	
1300363	3.6	0.4		31.8		0.04	2.5	0.002	0.36	1.6	21	0.05			114	
1300364	4.6	0.3		11		0.03	4.1	0.003	0.26	2.3	33	0.05			156.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1300365	FT	2012-07-12	UTM83-8	7128548	598304	1378	WH112000347	101	2.17	12.5	2.1	2	172.3		0.26	0.25	0.27	11.4	32.8	19.41	3.53	5.9	54	0.07	18.6	54	0.07	18.6	0.7	586	1.33	0.006			32.6	0.069			25.52			0.03	0.78			
1300366	FT	2012-07-12	UTM83-8	7128608	598299	1357	WH112000347	199	1.42	9.4	1.7	3	133.6		0.25	0.29	0.35	8.9	25.2	20.11	3.13	4.5	63	0.09	17.1	63	0.09	17.1	0.5	533	0.9	0.006			24.4	0.114			22.13			0.06	0.45			
1300367	FT	2012-07-12	UTM83-8	7128695	598302	1368	WH112000347	58	2.16	16.1	4.1	5	407.6		0.28	0.49	0.31	9.7	36.6	32.67	2.78	6.8	41	0.14	26.4	41	0.14	26.4	1.35	271	0.54	0.006			27.7	0.098			19.21			0.06	0.31			
1300368	FT	2012-07-12	UTM83-8	7128746	598302	1375	WH112000347	48	1.79	7.7	2.1	2	203		0.34	0.31	0.29	9.9	33.1	15.7	3.4	7.3	26	0.11	17.5	26	0.11	17.5	0.72	621	1.16	0.005			22.8	0.07			23.71			0.04	0.53			
1300369	FT	2012-07-12	UTM83-8	7128794	598297	1384	WH112000347	41	1.99	5.9	2.8	5	269.4		0.31	0.45	0.22	13	36.2	22.19	3.23	6.1	26	0.15	19.4	26	0.15	19.4	1.25	583	0.53	0.005			34.5	0.107			19.37			0.03	0.35			
1300370	FT	2012-07-12	UTM83-8	7128848	598300	1383	WH112000347	55	1.92	13	3.7	5	123.3		0.34	0.53	0.18	12.3	36.6	39.99	3.18	6.1	35	0.15	24	35	0.15	24	1.2	478	0.47	0.005			33.1	0.086			33.75			0.04	0.33			
1300371	FT	2012-07-12	UTM83-8	7128897	598300	1388	WH112000347	44	1.55	3.2	1.1	4	86		0.3	0.93	0.24	10.6	31.4	22.65	2.79	5.3	27	0.11	24.3	27	0.11	24.3	0.94	389	0.39	0.004			29.6	0.069			12.99			0.04	0.23			
1300372	FT	2012-07-12	UTM83-8	7128954	598302	1387	WH112000347	84	1.62	7.3	1.2	4	115.3		0.3	1.08	0.17	10.2	27.6	30.48	2.84	5.3	33	0.11	12.7	33	0.11	12.7	0.74	384	0.5	0.005			27.1	0.088			32.63			0.07	0.31			
1300373	FT	2012-07-12	UTM83-8	7129000	598302	1369	WH112000347	85	1.72	9.3	2.4	4	108.2		0.25	0.34	0.13	10.7	29.5	25.34	3.04	5.2	32	0.11	18.4	32	0.11	18.4	0.72	420	0.76	0.006			33.5	0.094			22.31			0.01	0.56			
1300374	FT	2012-07-12	UTM83-8	7129052	598302	1369	WH112000347	107	1.67	6.9	1.8	3	153.2		0.24	0.76	0.13	8.2	26.4	21.46	2.58	5.5	24	0.11	12.7	24	0.11	12.7	0.7	317	0.69	0.006			34.4	0.135			19.49			0.07	0.4			
1300375	FT	2012-07-12	UTM83-8	7129100	598304	1363	WH112000347	371	1.24	15.7	1.1	4	107.3		0.32	0.97	0.86	13.5	18	30.66	3.69	3.4	129	0.15	13.8	129	0.15	13.8	0.43	700	1	0.004			34	0.184			65.59			0.07	0.7			
1300376	FT	2012-07-12	UTM83-8	7129148	598292	1365	WH112000347	196	1.26	23.5	0.6	5	146.6		0.29	2.61	1.27	20	11.3	46.89	4.75	2.1	94	0.17	8	94	0.17	8	0.89	631	1.12	0.006			44.8	0.148			55.56			0.13	0.49			
1300377	FT	2012-07-12	UTM83-8	7129196	598299	1358	WH112000347	202	1.35	12.8	0.8	5	144.8		0.29	0.89	0.71	10.8	18.7	26.4	3.26	3.7	90	0.17	10.7	90	0.17	10.7	0.4	377	1.06	0.005			27.6	0.127			48.06			0.09	0.46			
1300378	FT	2012-07-12	UTM83-8	7129249	598303	1340	WH112000347	184	1.77	10.6	1.7	4	173.3		0.31	0.53	0.29	14.3	26.7	27.87	3.63	5.4	58	0.17	12.4	58	0.17	12.4	0.59	463	1.51	0.012			35.2	0.128			22.79			0.1	0.6			
1300379	FT	2012-07-12	UTM83-8	7129299	598300	1326	WH112000347	126	1.85	8.2	1.5	3	177.9		0.27	0.63	0.19	9.8	27.6	20.08	3.25	5.6	42	0.14	11.7	42	0.14	11.7	0.66	430	1.14	0.006			26.5	0.143			22.3			0.07	0.38			
1300380	FT	2012-07-12	UTM83-8	7129346	598299	1318	WH112000347	68	1.7	6.9	2.9	4	150.7		0.31	0.75	0.17	17.7	24.4	25.27	3.25	5.6	37	0.15	8.8	37	0.15	8.8	0.62	971	1.06	0.005			28.8	0.097			21.31			0.07	0.34			
1300381	FT	2012-07-12	UTM83-8	7129398	598305	1311	WH112000347	51	2.37	8.7	0.9	3	179.4		0.28	0.26	0.15	13.6	29.5	21.7	3.7	6.4	28	0.15	11.6	28	0.15	11.6	0.52	850	0.99	0.005			33.9	0.117			29.38			0.04	0.39			
1300382	FT	2012-07-12	UTM83-8	7129460	598301	1308	WH112000347	86	1.93	10.5	1.5	4	158.8		0.32	0.16	0.18	14.1	28.6	23.26	3.6	6.3	41	0.15	14.3	41	0.15	14.3	0.49	741	1.35	0.005			29.2	0.097			28.8			0.04	0.54			
1300383	FT	2012-07-12	UTM83-8	7129499	598304	1302	WH112000347	129	1.88	10	2	5	193.3		0.32	0.41	0.27	15	26.2	28.34	3.67	5.8	60	0.17	14.4	60	0.17	14.4	0.61	892	1.16	0.005			32.7	0.112			35.16			0.03	0.45			
1300384	FT	2012-07-12	UTM83-8	7129551	598302	1294	WH112000347	160	1.65	8.1	2.2	5	141.1		0.32	0.7	0.33	12.9	24.6	26.93	3.42	5.1	60	0.17	10.4	60	0.17	10.4	0.61	636	1.04	0.005			29.3	0.079			25.89			0.05	0.36			
1300385	FT	2012-07-13	UTM83-8	7127707	598693	1562	WH112000521	42	1.59	8.9	2.5	1	218.3		0.35	0.46	0.24	22.8	30.1	37.78	3.95	6.5	23	0.14	7.9	23	0.14	7.9	0.68	1861	0.75	0.005			35.9	0.079			40.3			0.01	0.33			
1300386	FT	2012-07-13	UTM83-8	7127755	598694	1555	WH112000521	75	1.73	11.6	1.2	2	194.3		0.36	0.37	0.19	20.6	33	32.86	4.02	6.4	40	0.13	9	40	0.13	9	0.52	1845	1.01	0.004			27.5	0.143			33			0.05	0.52			
1300387	FT	2012-07-13	UTM83-8	7127802	598698	1535	WH112000521	64	1.54	10.7	1.1	0.5	157.7		0.34	0.25	0.26	15.1	32.8	25.81	3.87	6.5	11	0.12	9.5	11	0.12	9.5	0.41	1332	1.15	0.004			26.2	0.119			31.69			0.05	0.55			
1300388	FT	2012-07-13	UTM83-8	7127851	598695	1526	WH112000521	84	1.52	14.9	1.2	2	191.8		0.28	0.35	0.31	13.2	28.7	26.62	4.57	5.2	41	0.12	11.6	41	0.12	11.6	0.44	1426	1.21	0.003			28.8	0.108			47.1			0.05	0.63			
1300389	FT	2012-07-13	UTM83-8	7127903	598698	1509	WH112000521	69	1.32	9.9	0.3	2	117.6		0.22	0.32	0.28	13.7	24.1	15.57	3.29	4.5	22	0.09	11.5	22	0.09	11.5	0.35	744	1.02	0.002			19.6	0.128			40.11			0.05	0.49			
1300390	FT	2012-07-13	UTM83-8	7127952	598697	1489	WH112000521	102	1.25	8.6	0.6	2	118.8		0.21	1.51	0.42	9.1	22.9	18.27	3.04	3.7	25	0.09	11.7	25	0.09	11.7	1.01	972	0.89	0.003			22.2	0.122			36.17			0.04	0.46			
1300391	FT	2012-07-13	UTM83-8	7127998	598703	1478	WH112000521	254	1.68	10.5	0.3	3	153.3		0.29	2.91	0.37	11.3	23.2	19.71	3.5	2.5	32	0.08	22	32	0.08	22	1.76	3741	0.7	0.003			31.8	0.146			143.35			0.05	0.5			
1300392	FT	2012-07-13	UTM83-8	7128051	598698	1467	WH112000521	110	1.72	11.1	2.3	3	175.4		0.23	0.43	0.25	10.7	25.4	16.61	3.95	4	41	0.08	18.7	41	0.08	18.7	0.38	901	0.89	0.002			32	0.107			33.14			0.04	0.6			
1300393	FT	2012-07-13	UTM83-8	7128100	5																																									

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1300365	4.2	0.6		14		0.06	2.5	0.017	0.21	1.7	48				114.9	
1300366	4.5	0.6		31.8		0.04	2.1	0.007	0.19	2.9	37				130.6	
1300367	8.2	1		17.6		0.03	4.4	0.005	0.19	3.9	32	0.05			103.4	
1300368	2	0.5		13.9		0.05	1.1	0.009	0.15	0.9	42				105.7	
1300369	4.6	0.3		18.6		0.03	4.3	0.005	0.13	1.1	27	0.05			103.7	
1300370	8	0.6		16.8		0.04	4.7	0.005	0.14	1.9	27	0.05			105.7	
1300371	5.5	0.5		22.4		0.03	4	0.004	0.11	1	24	0.05			95.6	
1300372	4.1	0.4		27.8		0.03	2.3	0.005	0.13	1.7	27	0.05			105.7	
1300373	3.6	0.4		16.8		0.04	2.5	0.01	0.16	1.2	35	0.1			111.3	
1300374	3.5	0.4		27.7		0.04	2.2	0.007	0.16	1.9	32	0.1			81.6	
1300375	5.2	0.8		21.9		0.05	3.1	0.002	0.19	1.5	18	0.05			409.6	
1300376	7.2	0.8		46.2		0.05	5.1	0.001	0.17	3.3	13	0.05			292.8	
1300377	4.7	0.6		26.5		0.04	3	0.002	0.21	1.5	21	0.05			276.4	
1300378	5.2	0.6		40.8		0.04	4.3	0.007	0.23	1.8	36	0.1			118.4	
1300379	4.8	0.6		22.7		0.04	3.2	0.003	0.22	1.5	33	0.05			148.2	
1300380	4.7	0.5		23.5		0.04	3.8	0.003	0.19	1.1	27	0.05			80.8	
1300381	5.1	0.6		14.4		0.04	4.3	0.003	0.28	1.6	35	0.05			110	
1300382	4.8	0.5		15.2		0.05	4.3	0.005	0.25	1.6	38	0.1			106.3	
1300383	5.5	0.7		20.8		0.06	4.2	0.004	0.23	2.8	34	0.05			131.6	
1300384	4.9	0.8		26.1		0.03	3	0.003	0.16	3	28	0.05			126.6	
1300385	5.2	0.05		11.6		0.01	4.3	0.008	0.15	1	25	0.1			133.2	
1300386	3.9	0.4		9.2		0.05	1.5	0.009	0.17	1.3	33	0.2			110.2	
1300387	3	0.05		8.4		0.03	0.9	0.01	0.2	1.2	36	0.2			125.9	
1300388	4.6	0.1		10.3		0.01	2.4	0.01	0.31	1.4	37	0.2			180.5	
1300389	2	0.2		8.8		0.04	0.6	0.009	0.36	1.2	35	0.2			249.4	
1300390	3.3	0.05		13.8		0.03	1.8	0.008	0.25	1.3	30	0.1			156	
1300391	5.1	0.05		12.4		0.01	2.7	0.009	0.73	2.6	27	0.1			315.7	
1300392	3.5	0.2		10.7		0.06	1.9	0.011	0.31	3.2	37	0.2			99.3	
1300393	6.5	0.05		22.1		0.07	4.4	0.009	0.46	1.9	31	0.2			157.8	
1300394	2	0.4		7.4		0.03	0.8	0.012	0.26	1	35	0.2			97.6	
1300395	5.4	0.05		9.9		0.05	4.3	0.005	0.27	1.6	25	0.1			113.5	
1300396	3.9	0.4		19.6		0.06	2.5	0.011	0.22	1.5	28	0.1			113.9	
1300397	3.4	0.2		14.3		0.06	2.8	0.004	0.29	1	16	0.05			419.6	
1300398	3.6	0.7		44.1		0.04	1.2	0.009	0.19	2.7	32	0.1			215.2	
1300399	3	0.7		57.4		0.01	1	0.01	0.31	9.3	34	0.1			149.6	
1300400	2.3	0.5		91.5		0.04	0.6	0.009	0.17	7.2	28	0.05			77.6	
1300401	2.2	0.7		81.8		0.03	1	0.009	0.16	4.2	39	0.1			90.8	
1300402	4.7	0.2		14.4		0.04	3	0.008	0.16	2.1	28	0.05			79.2	
1300403	3.2	0.2		13.4		0.01	3.1	0.009	0.14	1.9	38	0.05			95.9	
1300404	3.7	0.5		21		0.01	2.5	0.009	0.16	2.3	41	0.05			107.7	
1300405	4.8	0.3		11.7		0.03	4.6	0.009	0.15	1.2	35	0.05			86	
1300406	4.6	0.4		16		0.01	3.2	0.011	0.12	1.6	41	0.05			93.8	
1300407	4.6	0.5		16.1		0.03	2.8	0.01	0.14	2.4	39	0.05			107.8	
1300408	3.9	0.5		9.7		0.01	4.8	0.006	0.11	0.8	28	0.05			88	
1300409	6.9	0.3		21.8		0.01	3.7	0.006	0.1	0.9	24	0.05			98.2	
1300410	6.7	0.05		22.3		0.01	3.8	0.004	0.07	0.6	19	0.05			93.3	
1300411	6	0.2		18		0.04	3.9	0.006	0.09	1.9	23	0.05			90.4	
1300412	2.1	0.2		5.7		0.03	2.5	0.01	0.15	0.5	34	0.1			76.6	
1300413	4.8	0.5		31.2		0.03	5.7	0.002	0.15	0.7	6	0.05			264.6	
1300414	4.7	0.5		26.6		0.05	2.9	0.002	0.18	0.6	11	0.05			187.4	
1300415	3	0.4		25.9		0.08	4	0.008	0.17	0.5	31	0.05			85	
1300416	3	0.6		9.1		0.06	3.5	0.009	0.19	0.7	37	0.1			89.7	
1300417	6.3	0.7		34.6		0.05	3.8	0.003	0.27	2.1	26	0.05			316	
1300418	3.2	0.3		6.8		0.03	4	0.007	0.2	0.7	37	0.1			93	
1300419	3.6	0.3		8.4		0.03	3.2	0.005	0.16	1.3	26	0.05			77.5	
1300420	4.2	0.2		20.9		0.04	4.8	0.008	0.12	0.9	24	0.05			91	
1300421	4.3	0.2		13.1		0.03	3.2	0.005	0.25	1	40	0.05			71.9	
1300422	5.5	0.3		13.4		0.04	3.4	0.005	0.22	0.7	35	0.05			85.6	
1300423	5	0.3		15.4		0.09	3.2	0.007	0.16	0.9	38	0.1			84.4	
1300424	6.2	0.5		15.6		0.01	3.8	0.004	0.21	1.1	37	0.1			90.2	
1300425	4.3	0.4		17.3		0.03	3.5	0.013	0.18	1.2	41	0.2			95.9	
1300426	3.2	0.5		14.1		0.03	2.3	0.011	0.18	0.6	40	0.2			109.5	
1300427	4.3	0.7		41.7		0.03	1.9	0.006	0.13	0.9	27	0.05			270.1	
1300428	7	0.3		29.1		0.06	5.8	0.011	0.2	0.7	29	0.05			170.5	
1300429	5.6	0.2		17.5		0.09	4.2	0.004	0.14	0.6	25	0.05			113.8	
1300430	7.7	0.2		22.8		0.04	5.8	0.005	0.14	0.8	30	0.05			121.5	
1300431	5	0.4		48		0.04	2.5	0.009	0.13	0.6	31	0.05			401.8	
1300432	5.7	0.4		76		0.01	2.7	0.003	0.2	1.5	29	0.05			117.4	
1300433	6.3	0.8		108.3		0.03	2.2	0.004	1.68	0.6	20	0.05			195.6	
1300434	5.4	0.8		86.6		0.07	1.4	0.006	0.45	1.2	32	0.1			286.2	
1300435	3.7	0.5		69.1		0.01	1.2	0.006	0.26	1.1	29	0.05			137.4	
1300436	4.3	0.5		62.5		0.04	1.4	0.01	0.29	0.9	35	0.1			297.5	
1300437	5.4	0.05		36.4		0.09	3.3	0.007	0.2	1	33	0.1			112.1	
1300438	4.2	0.4		45.8		0.07	2.8	0.017	0.17	1	35	0.2			90.8	
1300439	4.6	0.6		36.7		0.06	2	0.011	0.27	1	35	0.2			112.4	
1300440	4.6	0.2		75.5		0.05	2.3	0.006	0.26	1.5	27	0.05			125.9	
1300441	5.1	0.8		45.4		0.08	1.8	0.005	0.55	1.3	29	0.05			179.5	
1300442	4.9	0.3		27.1		0.04	2.5	0.006	0.47	1.5	27	0.2			165.5	
1300443	4.5	0.3		38.6		0.05	2.4	0.006	0.22	0.9	26	0.05			101.4	
1300444	3	0.4		54.8		0.01	1.3	0.005	0.17	0.7	19	0.05			92	
1300445	4.2	0.4		87.8		0.05	1.9	0.007	0.24	1.2	29	0.05			231.4	
1300446	2.7	0.3		56.3		0.01	1.2	0.008	0.19	0.5	21	0.05			76.7	
1300447	3.3	0.4		39.9		0.04	1.4	0.015	0.17	0.8	34	0.2			97.6	
1300448	3.9	0.3		71.8		0.03	2.7	0.011	0.2	0.7	25	0.1			119.1	
1300449	4.5	0.4		40.3		0.05	2	0.011	0.33	0.8	38	0.2			93.9	
1300450	6.1	0.4		46.2		0.05	2.8	0.005	0.24	1	21	0.2			90.1	
1300451	3.6	0.3		54.3		0.01	1	0.002	0.39	0.7	11	0.05			53.9	
1300452	4.2	0.2		45.6		0.03	2.5	0.003	0.43	0.5	12	0.05			77.7	
1300453	4.1	0.05		36.7		0.01	2.3	0.015	0.16	0.7	31	0.1			111.7	
1300454	4.5	0.4		45.1		0.05	2.3	0.019	0.2	0.8	33	0.2			126.7	
1300455	4.1	0.2		40.7		0.03	1.2	0.008	0.39	1.2	24	0.05			66.5	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1300456	FT	2012-07-14	UTM83-8	7131150	598709	1190	WH112000521	203	1.15	16	2.9	5	142.5		0.15	3.37	0.57		12	20.2		24.64	2.87	3			140	0.09	14.8		1.21	661	0.97	0.009		26	0.13						27.21		0.01	1.39
1300457	FT	2012-07-15	UTM83-8	7127703	599099	1586	WH112000521	8	1.29	1.8	7.9	6	456.9		0.31	0.1	0.02		21.7	33		17.99	4.12	4.8			2.5	0.29	3.1		0.39	553	0.37	0.005		39.2	0.021						17.33		0.01	0.69
1300458	FT	2012-07-15	UTM83-8	7127750	599103	1590	WH112000521	48	1.6	9.8	1	3	167.1		0.21	2.01	0.58		8.4	24.9		14.4	2.97	5.1			62	0.1	9.7		1.29	1000	0.89	0.004		21.2	0.086						37.17		0.03	0.49
1300459	FT	2012-07-15	UTM83-8	7127801	599101	1594	WH112000521	92	1.92	12.5	2.3	3	189.6		0.18	1.04	0.61		7.5	29.9		14.63	3.59	5.4			56	0.07	13.9		0.74	1576	1.17	0.003		24.1	0.115						60.24		0.06	0.53
1300460	FT	2012-07-15	UTM83-8	7127852	599097	1600	WH112000521	169	1.86	16.2	2	2	207.9		0.18	1.31	0.85		10.2	32.3		17.27	4.94	5.3			97	0.07	17.7		0.95	4145	1.8	0.005		26.7	0.124						108.94		0.07	0.71
1300461	FT	2012-07-15	UTM83-8	7127903	599101	1612	WH112000521	76	0.85	13.8	1.7	3	147.3		0.07	1.84	0.58		6	14.1		11.43	3.56	2			57	0.05	9.9		1.01	3944	2.03	0.002		12.4	0.082						81.96		0.04	0.26
1300462	FT	2012-07-15	UTM83-8	7127955	599097	1614	WH112000521	138	1.02	8.3	0.9	5	128.3		0.08	7.46	0.69		7.7	19.2		15.84	2.49	2.7			37	0.07	13.1		4.26	1579	1.03	0.012		20.1	0.104						32.87		0.03	0.59
1300463	FT	2012-07-15	UTM83-8	7128004	599098	1612	WH112000521	145	1.13	8.9	4.9	3	112.2		0.09	6.01	0.8		8	20.2		18.55	3.26	3.1			42	0.06	14.4		3.59	1693	1.09	0.009		21.2	0.103						53.4		0.02	0.55
1300464	FT	2012-07-15	UTM83-8	7128056	599100	1605	WH112000521	170	1.32	11.3	3	3	142.1		0.14	2.59	2.04		8.5	24.4		17.82	4.54	4			56	0.06	14.8		1.57	2129	1.37	0.006		21.9	0.131						111.12		0.07	0.59
1300465	FT	2012-07-15	UTM83-8	7128104	599101	1602	WH112000521	138	0.96	8.4	4	2	81.6		0.07	7.5	1.72		7.3	17.8		16.5	2.94	2.4			50	0.06	13.5		4.35	1341	0.98	0.009		18.1	0.115						49.47		0.03	0.5
1300466	FT	2012-07-15	UTM83-8	7128147	599098	1600	WH112000521	153	1.2	10.3	3.2	6	137		0.15	4.94	0.81		9.5	21.6		19.93	2.87	3.4			49	0.08	17.7		2.71	2644	1.2	0.007		20.6	0.202						48.52		0.09	0.49
1300467	FT	2012-07-15	UTM83-8	7128350	599100	1588	WH112000521	215	0.48	7.2	1.5	6	57.1		0.1	9.2	0.71		5.7	8.4		11.43	2.2	1.3			93	0.13	6.3		5.18	1259	0.94	0.007		15	0.092						88.13		0.08	0.31
1300468	FT	2012-07-15	UTM83-8	7128401	599099	1581	WH112000521	359	0.62	9.9	1.6	5	97.1		0.1	8.91	1.91		5.8	9.3		13.89	5.55	1.5			160	0.09	7.6		4.92	3668	1.6	0.007		13.5	0.142						399.73		0.04	0.49
1300469	FT	2012-07-15	UTM83-8	7128450	599095	1581	WH112000524	537	0.89	6.9	4.8	2	88.5		0.27	1.01	0.5		5.2	16.8		13.51	2.45	2.4			67	0.06	9.1		0.59	569	1	0.004		16.1	0.111						57.21		0.05	0.76
1300470	FT	2012-07-15	UTM83-8	7128504	599093	1583	WH112000524	236	1.12	14.6	4	4	118.8		0.21	2.19	0.48		11.4	18.7		25.27	3.45	2.9			96	0.09	22.3		0.66	706	1.62	0.007		27.9	0.165						29.79		0.06	0.66
1300471	FT	2012-07-15	UTM83-8	7128552	599097	1585	WH112000524	263	1.34	11.2	5.5	4	105.5		0.14	0.76	0.32		9.3	23.7		22	2.48	3.5			78	0.09	26.2		0.66	311	2.13	0.009		26.1	0.04						17.06		0.03	0.75
1300472	FT	2012-07-15	UTM83-8	7128601	599097	1581	WH112000524	190	1.19	8.7	5.2	3	106.2		0.14	1.12	0.3		8.1	22.6		19.75	2.18	3.7			84	0.07	20.4		0.56	316	1.22	0.005		21.5	0.069						17.88		0.06	0.51
1300473	FT	2012-07-15	UTM83-8	7128703	599093	1559	WH112000524	478	1.19	9.6	7.6	4	60.2		0.12	1.96	0.24		8.7	25.2		22.06	1.91	3.7			92	0.1	19.6		1.77	280	1.23	0.007		21.6	0.101						16.31		0.03	0.42
1300474	FT	2012-07-15	UTM83-8	7128749	599098	1544	WH112000524	356	1.69	9.4	6.8	4	99.1		0.14	0.55	0.23		10.5	36.4		32.09	2.6	5.2			98	0.1	25.8		1.56	344	0.91	0.006		30.1	0.089						18.27		0.01	0.44
1300475	FT	2012-07-15	UTM83-8	7128799	599100	1517	WH112000524	321	1.69	8.3	8.6	4	101.1		0.15	0.69	0.2		8.5	35.9		28.4	2.45	5.5			81	0.09	24.4		1.39	242	0.67	0.006		30.1	0.091						16.38		0.05	0.33
1300476	FT	2012-07-15	UTM83-8	7128841	599098	1495	WH112000524	99	1.82	6.2	5.3	4	133.6		0.15	0.59	0.23		10.5	39.6		31.85	2.7	5.7			56	0.1	25.3		1.62	330	0.45	0.005		30.3	0.077						15.96		0.04	0.25
1300477	FT	2012-07-15	UTM83-8	7128899	599099	1461	WH112000524	81	1.75	6	7	4	142		0.13	0.45	0.1		11.1	42.9		33.76	2.65	5.8			32	0.09	28.6		1.8	298	0.41	0.006		30.5	0.065						16.46		0.03	0.19
1300478	FT	2012-07-15	UTM83-8	7128944	599095	1444	WH112000524	78	1.66	6.6	4.1	3	140.9		0.13	0.53	0.09		8.4	40.3		33.48	2.5	5.4			37	0.09	27.6		1.58	171	0.42	0.006		28.8	0.076						17.43		0.04	0.22
1300479	FT	2012-07-15	UTM83-8	7128995	599094	1423	WH112000524	81	1.74	7.5	2.7	3	179.2		0.14	1.24	0.13		10	39.7		34.67	2.44	5.2			30	0.08	26.6		1.94	318	0.36	0.006		28.1	0.07						15.38		0.04	0.17
1300480	FT	2012-07-15	UTM83-8	7129042	599100	1395	WH112000524	64	1.52	5.8	3.7	3	202.7		0.15	0.72	0.005		9.7	34.7		36.77	2.36	4.8			36	0.08	23.3		1.25	256	0.28	0.005		27.8	0.077						15.44		0.05	0.12
1300481	FT	2012-07-15	UTM83-8	7129100	599100	1385	WH112000524	55	1.37	4.8	2.4	4	135.5		0.14	1.13	0.005		9.4	30.4		35.69	2.29	4.2			23	0.07	19.9		0.93	172	0.37	0.006		30.6	0.08						19.63		0.07	0.1
1300482	FT	2012-07-15	UTM83-8	7129151	599097	1364	WH112000524	206	0.93	20.6	1.1	4	166.9		0.19	2.57	2.35		17	15.3		40.69	3.93	2.4			119	0.12	13.2		0.99	605	2.26	0.006		36.1	0.194						77.87		0.08	0.54
1300483	FT	2012-07-15	UTM83-8	7129193	599096	1355	WH112000524	129	1.16	5.1	1.6	5	108.6		0.15	1.15	0.005		8.6	20.5		36.97	2.3	3.4			64	0.11	13.4		0.57	169	0.45	0.006		28.2	0.125						26.7		0.12	0.11
1300484	FT																																													

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1300456	4.4	0.4	81.7		0.07	1.8	0.017	0.16	1.2	34	0.1				106.1	
1300457	5.4	0.05	6.8		0.08	7.1	0.015	0.17	0.9	35	0.2				71.6	
1300458	3	0.05	13.9		0.04	1.8	0.012	0.3	0.9	36	0.2				193.6	
1300459	3.5	0.2	14.1		0.04	1.3	0.016	0.51	1.4	45	0.2				353.4	
1300460	3.5	0.5	15.3		0.01	1.3	0.019	1.04	1.7	48	0.2				742.5	
1300461	2	0.2	11.8		0.01	0.7	0.008	0.84	1	18	0.05				250.7	
1300462	3	0.3	45.3		0.03	2	0.024	0.21	1	30	0.1				251.1	
1300463	3.4	0.2	32.4		0.05	2.6	0.025	0.4	1.2	33	0.2				371.6	
1300464	3.6	0.3	23.1		0.06	1.7	0.018	0.74	1.5	38	0.1				1124.2	
1300465	3.4	0.2	37.6		0.03	2.3	0.018	0.28	1.2	28	0.2				684.6	
1300466	2.5	0.4	32.7		0.04	0.9	0.012	0.56	2.6	31	0.1				196.3	
1300467	2	0.3	39.7		0.04	2	0.004	0.64	1.2	13	0.05				270.9	
1300468	2.2	0.5	34.5		0.01	1.2	0.005	2.91	1.7	13	0.05				869.8	
1300469	2.4	0.2	12.6		0.05	1.7	0.005	0.17	0.7	22	0.1				190.4	
1300470	3.2	0.4	71.6		0.02	1.5	0.005	0.18	3.6	31	0.1				110.1	
1300471	4	0.5	42.2		0.04	4.1	0.02	0.15	3.3	36	0.2				81.3	
1300472	2.9	0.4	55.9		0.02	1.8	0.008	0.14	3.4	32	0.1				75.6	
1300473	3.8	0.3	51.6		0.03	5	0.011	0.19	2.3	32	0.05				74.3	
1300474	5.4	0.3	29.3		0.02	5.8	0.014	0.15	1.9	38	0.1				100.2	
1300475	4.7	0.5	38.2		0.03	3	0.009	0.15	4.2	37	0.05				91.1	
1300476	4.9	0.2	29.6		0.01	3.7	0.009	0.1	2.6	34	0.05				101	
1300477	7.1	0.4	21.2		0.01	5.2	0.009	0.09	1.4	31	0.05				99.4	
1300478	6.8	0.4	20.3		0.02	4.2	0.011	0.08	1.5	30	0.05				97.2	
1300479	6.1	0.5	22.9		0.04	3.9	0.01	0.08	1.2	32	0.05				87.2	
1300480	6.1	0.3	22.9		0.03	3.3	0.008	0.07	1.5	25	0.05				87.1	
1300481	5.1	0.3	30.1		0.02	2.6	0.005	0.07	1.6	20	0.05				79.6	
1300482	4.8	0.4	39.4		0.04	2.7	0.003	0.33	3	20	0.05				607.7	
1300483	4.2	0.4	33.1		0.01	2.6	0.003	0.11	2.3	13	0.05				105.5	
1300484	5.3	0.5	26.1		0.04	3.8	0.004	0.15	2.4	29	0.05				108.1	
1300485	6	0.1	16.8		0.06	9.7	0.004	0.14	1.3	26	0.05				104.6	
1300486	3.8	0.5	23.4		0.05	2.4	0.002	0.15	2.7	24	0.05				91.5	
1300488	5.8	0.2	18.6		0.04	5.2	0.002	0.16	1.6	22	0.05				148.5	
1300489	6.7	0.3	27.4		0.04	4.6	0.004	0.18	1.5	28	0.05				133.5	
1300490	5.6	0.3	26.4		0.01	3.3	0.002	0.13	2.3	28	0.05				104.8	
1300491	5.2	0.7	22.8		0.04	4.1	0.002	0.12	2.2	23	0.05				107.9	
1300492	2.6	0.3	8.7		0.05	0.6	0.006	0.2	0.5	35	0.05				102.8	
1300494	2.8	0.2	7.2		0.03	0.8	0.004	0.15	0.5	40	0.05				67.4	
1300495	4.6	0.1	7.4		0.08	2.5	0.0005	0.18	0.4	29	0.05				129.4	
1300496	2.3	0.3	7		0.03	0.8	0.012	0.12	0.5	50	0.1				71.9	
1300497	12.3	0.05	20.8		0.01	2.5	0.003	0.1	0.4	31	0.05				106.6	
1300498	5.3	0.2	63.8		0.01	1.5	0.005	0.13	0.8	26	0.05				150.4	
1300499	4.1	0.2	9.5		0.05	2.1	0.008	0.1	0.5	44	0.05				95.1	
1300500	6.5	0.3	7.8		0.03	2.7	0.01	0.14	0.5	46	0.05				87.5	
1303001																
1303002	7.5	0.3	91.9		0.05	1.9	0.008	0.15	11.2	44	0.2				67.9	
1303003	3.6	0.3	12.6		0.04	1.4	0.014	0.29	1.6	48	0.1				798.9	
1303004	1	0.6	47.8		0.01	0.4	0.002	0.11	0.7	7	0.05				128.9	
1303005	2.1	0.4	45.3		0.01	1.6	0.002	2.1	0.9	7	0.05				1883.1	
1303006	3.9	0.8	10.8		0.07	1.8	0.007	1.88	2.4	41	0.1				5741	
1303007	5.4	0.5	10.4		0.07	2.6	0.011	3.64	3.3	61	0.2				1654.5	
1303008	0.8	0.5	37.4		0.01	0.4	0.002	11.61	3	4	0.05				91.1	
1303009	2.7	0.4	13.7		0.06	1.2	0.013	0.52	1.4	45	0.1				892.1	
1303010	4	1	8.4		0.02	3.7	0.008	22.56	5.1	46	0.05	1.52			10000	
1303011	2.6	0.1	36.8		0.01	1	0.013	1.55	2.3	31	0.1				995.3	
1303012	3.6	0.4	34.5		0.06	3	0.003	0.36	2	15	0.05				164	
1303013	3.3	0.3	32.6		0.04	6.7	0.0005	0.13	0.7	12	0.05				131.9	
1303014	4	0.5	6.1		0.24	2.5	0.002	0.19	0.7	31	0.05				187.7	
1303015	4.4	0.4	32.7		0.05	1.8	0.007	0.14	2.1	30	0.05				81.1	
1303016	5.6	0.6	164.2		0.1	3	0.001	0.11	1.5	24	0.05				60.4	
1303017	8	0.5	35.3		0.08	3.4	0.008	0.14	1.3	52	0.1				82.9	
1303018	5.5	0.4	33		0.01	4.7	0.008	0.18	3.1	46	0.05				92.8	
1303019	4.8	0.2	28.6		0.01	4.3	0.012	0.2	4.4	65	0.05				82.6	
1303020	5.8	0.6	35.9		0.04	3.6	0.013	0.16	5.2	43	0.05				89.2	
1303021	2.7	0.1	5.7		0.05	1.6	0.005	0.31	0.8	29	0.1				340.4	
1303022	1.9	0.05	37.2		0.01	1.2	0.005	0.14	0.7	15	0.05				518.5	
1303023	4.9	0.2	5.5		0.04	4.1	0.005	0.49	1.3	50	0.2				555.5	
1303024	6.6	0.2	15.8		0.07	4.4	0.009	1.07	1.5	37	0.05				927.8	
1303025	1.9	0.2	46.6		0.02	0.8	0.002	0.34	1.7	11	0.05				321.9	
1303026	2.5	0.2	31.7		0.02	1.2	0.008	0.69	1.7	26	0.1				848.8	
1303027	0.3	0.2	31		0.01	0.1	0.0005	1.65	1.5	1	0.05				2388.8	
1303028	3.1	0.05	7.8		0.03	2.9	0.008	0.16	0.4	48	0.05				112.6	
1303029	5.8	0.2	11.9		0.03	3.7	0.017	0.21	1.6	54	0.2				140.1	
1303030	2.7	0.3	36.2		0.05	1.1	0.004	1.02	1.3	24	0.05				379	
1303031	7.5	0.2	23.4		0.05	4	0.004	0.2	0.9	31	0.05				104.7	
1303032	9.3	0.5	18.1		0.02	7.4	0.008	0.17	2.4	40	0.05				187.7	
1303033	6.2	0.4	35.6		0.08	2.8	0.006	0.16	1.8	36	0.1				162	
1303034	4.2	0.6	47.8		0.05	2	0.008	0.15	1.7	32	0.1				197.6	
1303035	3.1	1	87.2		0.05	1.1	0.008	0.11	2.1	31	0.1				107.4	
1303036	5.2	0.3	36.2		0.07	2.6	0.007	0.15	1.5	41	0.1				76.2	
1303037	5.4	0.4	29.4		0.03	3	0.02	0.12	1.9	43	0.2				83.9	
1303038	6	0.5	34.2		0.03	2.7	0.017	0.12	2.1	45	0.1				74.5	
1303039	5.4	0.5	62.8		0.01	2.1	0.012	0.11	4	50	0.05				92	
1303040	6	0.8	74.4		0.01	1.7	0.012	0.1	4.3	38	0.1				91.8	
1303041	6.1	0.3	19.7		0.03	4.5	0.003	0.11	0.9	29	0.05				109.4	
1303042	4.7	0.3	18.8		0.03	4.1	0.004	0.11	0.6	36	0.05				116.6	
1303043	9.7	0.2	24		0.03	3.3	0.002	0.07	1.5	23	0.05				94.5	
1303044	3.4	0.3	15.9		0.07	3.2	0.002	0.11	0.7	30	0.05				99.7	
1303045	4.4	0.1	24.5		0.09	3.6	0.002	0.08	0.7	25	0.05				94.9	
1303046	4.4	0.7	85.4		0.03	2.5	0.003	0.07	3.9	22	0.05				81.2	
1303047	4.4	0.6	64.9		0.01	2.1	0.004	0.06	2.2	26	0.05				86.8	
1303048	4.5	0.9	74.7		0.04	2.3	0.003	0.07	2.3	23	0.05				85.3	

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303049																
1303051	3.8	0.2		25.5		0.03	1.8	0.004	0.22	0.8	18	0.05			1173.2	
1303052	2.7	0.3		32		0.01	1.7	0.004	0.65	0.6	16	0.05			973	
1303053	3	0.4		19.9		0.01	1.2	0.006	0.56	1.3	36	0.05			2444.2	
1303054	1.7	0.3		32.9		0.03	1	0.005	0.28	0.8	18	0.05			1459.6	
1303055	2.4	0.2		20.1		0.01	0.9	0.006	0.24	1.3	30	0.05			711	
1303056	2.2	0.1		31.5		0.03	0.9	0.005	0.27	1.1	22	0.05			717.3	
1303057	2.7	0.2		43.1		0.02	1.9	0.004	0.45	1	16	0.05			1793.3	
1303058	2	0.1		30.8		0.03	1.2	0.006	0.14	1.1	27	0.1			297.7	
1303059	4.4	0.3		11.4		0.06	4.3	0.003	0.22	1.5	39	0.05			246.9	
1303060	4.3	0.4		23.8		0.05	5.2	0.01	0.3	1.5	38	0.2			192.7	
1303061	4.4	0.3		8.8		0.07	7	0.01	0.23	1.4	47	0.2			171	
1303062	1.3	0.4		31		0.02	0.7	0.008	0.45	1.5	26	0.05			705.3	
1303063	5	0.4		12.4		0.04	3.2	0.006	0.27	2.4	50	0.1			437.8	
1303064	2.7	0.1		13.5		0.04	4.6	0.001	0.28	0.9	11	0.05			19	
1303065	3.4	0.4		7.9		0.03	6	0.008	0.23	0.9	44	0.1			80.2	
1303066	5.9	0.4		11		0.06	6.9	0.003	0.22	1.1	49	0.05			117.8	
1303067	3.9	0.4		14.7		0.06	5.4	0.007	0.2	0.9	54	0.1			104	
1303068	5.5	0.3		12.4		0.1	4.6	0.001	0.11	0.7	21	0.05			65.8	
1303069	7.1	0.3		123.7		0.06	6.2	0.0005	0.15	1.9	18	0.05			83	
1303070	4.5	0.4		140.5		0.08	3.6	0.0005	0.1	1.6	17	0.05			56.3	
1303071	4.2	0.6		136.1		0.05	2.6	0.001	0.1	1.7	23	0.05			54.1	
1303072	4.4	0.6		46.2		0.05	3.6	0.008	0.14	2.7	38	0.05			93	
1303073	5.7	0.8		49.9		0.03	2.4	0.012	0.14	4.9	42	0.1			104.3	
1303074	5.5	0.6		43.3		0.03	3.1	0.009	0.13	3.6	43	0.1			75.7	
1303075	5.9	0.4		32.6		0.01	5.2	0.005	0.17	2	44	0.05			74.7	
1303076	8.6	0.6		29.4		0.02	6.5	0.008	0.18	2	44	0.05			83	
1303077	6.8	0.5		41.1		0.01	4.6	0.009	0.16	3.3	47	0.05			80.9	
1303078	4.9	0.3		28.8		0.01	6.2	0.007	0.18	1.1	42	0.05			94.1	
1303079	7.3	0.5		48.4		0.03	6.5	0.004	0.1	1.5	23	0.05			100	
1303080	2.8	0.3		5.4		0.07	3.1	0.004	0.23	0.7	36	0.05			88.6	
1303081	2.8	0.2		6.5		0.05	2.2	0.003	0.15	0.6	26	0.05			86.7	
1303082	3.9	0.3		6.9		0.03	3.3	0.003	0.31	0.9	37	0.05			157.6	
1303083	1.8	0.2		7.1		0.05	1	0.005	0.31	0.7	45	0.05			99.6	
1303084	4.4	0.2		7.9		0.04	4.3	0.002	0.28	0.8	32	0.05			106.9	
1303085	4.1	0.3		24.4		0.03	4.5	0.002	0.4	2.8	24	0.05			66.3	
1303086	4.4	0.4		22.6		0.03	3	0.002	0.39	1.1	25	0.05			106	
1303087	0.6	0.4		41.6		0.01	0.2	0.003	0.59	1.2	9	0.05			359.7	
1303088	1.1	0.6		31.9		0.01	0.4	0.006	0.52	1.7	22	0.05			365.1	
1303089	1.7	0.6		29.3		0.03	0.7	0.006	2.04	2.6	26	0.05			697.2	
1303090	2.4	0.3		19.9		0.03	1.3	0.005	0.38	1.3	30	0.05			215.4	
1303091	3.5	0.6		15.9		0.04	1.8	0.006	1.15	2.3	34	0.05			413.2	
1303092	4.3	0.2		10.6		0.06	3.2	0.004	0.43	1.2	39	0.2			219.3	
1303093	3.2	0.3		13.2		0.03	1.8	0.004	0.3	1.5	41	0.05			118.2	
1303094	6.6	0.8		22.9		0.01	3.5	0.002	0.23	2	32	0.05			112.4	
1303095	5.4	0.6		30.3		0.03	3.2	0.004	0.25	1.4	24	0.05			126	
1303096	3.5	1.5		42.4		0.03	1.4	0.004	0.17	6.3	31	0.05			104	
1303097	3.7	0.5		19.3		0.04	2	0.006	0.18	1.9	35	0.05			97.3	
1303098	3.7	1.3		45.7		0.02	1.7	0.005	0.14	2	26	0.05			154.5	
1303099	5.6	0.4		13.9		0.03	4	0.006	0.11	1.2	26	0.05			91.8	
1303100	3.2	0.7		46.3		0.03	1.3	0.005	0.2	10.7	32	0.05			116.3	
1303101	6.1	0.3		23		0.01	4.4	0.004	0.1	1.2	19	0.05			86.3	
1303102	5.3	0.3		29.1		0.01	3.5	0.003	0.11	1.6	19	0.05			100.5	
1303103	2.2	0.1		8.1		0.03	2.6	0.002	0.15	1.3	25	0.05			97.5	
1303104	4.8	0.4		36.7		0.03	2.4	0.003	0.1	1.8	17	0.05			84.5	
1303105	3.8	0.2		8.9		0.05	1.7	0.004	0.13	0.5	36	0.05			64.7	
1303106	3.1	0.3		6.4		0.05	1	0.008	0.14	0.4	51	0.05			45.7	
1303107	5.7	0.6		7.9		0.05	2.3	0.001	0.23	0.5	34	0.05			92.2	
1303108	1.3	0.5		9.7		0.05	0.3	0.017	0.22	0.7	61	0.1			52.1	
1303109	4	0.4		26.8		0.03	2.7	0.008	0.16	1.1	39	0.1			84.1	
1303110	2.8	0.6		23.2		0.04	1.4	0.013	0.22	1.1	44	0.2			99.8	
1303111	3.2	0.6		31.7		0.03	2.2	0.006	0.13	1	26	0.05			107.8	
1303112	3.5	0.3		27.8		0.04	2.8	0.003	0.16	0.8	24	0.05			121.9	
1303113	2	0.3		18.5		0.05	0.5	0.006	0.21	0.6	54	0.05			80.6	
1303114	4.2	0.3		12.5		0.05	1.6	0.003	0.14	0.4	33	0.05			80	
1303115	4.5	0.3		14.9		0.05	1.7	0.012	0.12	0.6	39	0.05			71.2	
1303116	5.6	0.4		19.7		0.04	3.4	0.012	0.15	0.6	35	0.05			88.4	
1303117	7.4	0.5		19.7		0.04	2.7	0.004	0.16	0.7	28	0.05			114.8	
1303118	4.1	0.4		10.9		0.03	0.6	0.004	0.13	0.5	36	0.05			127.9	
1303119	4.3	0.4		42		0.04	0.9	0.005	0.18	0.6	44	0.05			118.9	
1303120	8.4	0.4		69.1		0.02	2	0.004	0.15	1.1	41	0.05			89.5	
1303121	4.3	0.9		51.2		0.05	0.9	0.008	0.26	1.2	44	0.1			1629.5	
1303122	3	0.8		69.3		0.04	0.5	0.007	0.25	1.3	39	0.05			754.8	
1303123	6.4	0.4		15.3		0.14	5.4	0.0005	0.4	0.5	14	0.05			129.8	
1303124	4.4	0.6		32.2		0.05	2.3	0.018	0.39	1.2	50	0.2			224.1	
1303125	2.8	0.7		55.2		0.05	0.7	0.007	0.38	1.4	46	0.2			258.2	
1303126	1.7	0.4		50.1		0.03	0.5	0.009	0.23	0.7	23	0.1			153.8	
1303127	3.4	0.5		66.9		0.03	2.1	0.016	0.28	0.9	32	0.2			328	
1303128	2.6	0.7		50.7		0.03	0.8	0.01	0.25	1.8	35	0.2			382.2	
1303129	2.1	0.5		32.3		0.03	0.5	0.008	0.21	1.7	36	0.1			188.7	
1303130	4	0.5		25.8		0.03	1.3	0.014	0.26	1.2	54	0.2			78.3	
1303131	1.8	0.4		17.7		0.05	0.5	0.011	0.28	2	57	0.1			174	
1303132	3.7	0.05		17.9		0.05	2.1	0.009	0.26	1.3	48	0.1			80.1	
1303133	5.2	0.2		17.1		0.04	3	0.003	1.35	1.2	33	0.2			222.6	
1303134	4.6	0.4		46		0.01	2.2	0.005	0.48	1	21	0.05			125.8	
1303135	4.7	0.05		18.3		0.04	2	0.01	0.28	1.3	43	0.2			128.6	
1303136	6.3	0.3		12.3		0.04	2.5	0.004	0.53	1.2	31	0.2			305.9	
1303137	4.4	0.4		10.8		0.01	2	0.014	0.18	1	41	0.2			112.8	
1303138	6.3	0.3		7		0.01	4.9	0.003	0.48	1	38	0.1			162.4	
1303139	4.3	0.3		26.8		0.01	2.1	0.006	0.27	0.6	26	0.1			130.9	
1303140	4.3	0.5		34		0.03	2.6	0.005	0.13	3.8	18	0.05			89.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303141	LB	2012-07-06	UTM83-8	7129651	596297	1503	WH112000347	537	0.48	44.7	2.4	5	47.5		0.23	1.52	1.79	11	10.2	26.42	2.61	1.5					226	0.1	7.2	0.27	479	0.63	0.005	26.1	0.156			140.03			0.07	1.69				
1303142	LB	2012-07-06	UTM83-8	7129749	596297	1462	WH112000347	264	0.35	28.1	1.8	6	51.2		0.27	2.63	1.71	10.1	5.8	22.41	2.65	1					191	0.14	4.6	0.36	276	0.83	0.004	23.6	0.085			98.25			0.2	1.48				
1303143	LB	2012-07-06	UTM83-8	7129701	596296	1487	WH112000347	158	0.36	15.3	1.1	5	36.4		0.23	2.6	1.24	12.9	5.6	19.46	2.58	1					145	0.1	6.8	0.36	266	0.75	0.004	26.1	0.105			74.01			0.07	0.63				
1303144	LB	2012-07-06	UTM83-8	7129798	596298	1430	WH112000347	195	0.67	10.9	1.2	6	74.2		0.22	2.14	1.1	12.7	11.1	22.47	2.39	2					146	0.08	5.6	0.27	383	0.91	0.005	25.4	0.104			47.98			0.12	0.6				
1303145	LB	2012-07-06	UTM83-8	7129845	596302	1398	WH112000347	149	1.33	9.5	1.5	3	152.9		0.28	0.91	0.17	14.4	18.1	34.13	3.22	3.9					106	0.1	6.5	0.47	491	1.66	0.006	33.2	0.146			30.2			0.06	0.45				
1303146	LB	2012-07-06	UTM83-8	7129901	596294	1367	WH112000347	81	1.35	6.3	1.7	4	95.3		0.29	0.41	0.11	16.4	19.2	28.37	3.35	4.1					42	0.14	6	0.56	514	1.6	0.004	31.4	0.087			13.07			0.04	0.53				
1303147	LB	2012-07-06	UTM83-8	7129950	596296	1354	WH112000347	181	1.23	10.3	2	5	175.7		0.22	1.14	0.57	15.1	24.2	37	3.25	3.7					106	0.13	11.3	0.84	389	1.14	0.007	37.9	0.138			46.22			0.1	0.67				
1303148	LB	2012-07-06	UTM83-8	7130003	596299	1346	WH112000347	124	1.24	6.9	2.5	5	204.1		0.25	1.19	0.2	12.8	25.9	34.15	2.92	3.6					68	0.11	10.7	0.77	519	0.85	0.005	32.9	0.107			24.25			0.09	0.42				
1303149	LB	2012-07-06	UTM83-8	7130053	596297	1341	WH112000347	68	1.22	10.5	0.7	2	59.6		0.28	0.08	0.33		21.7	21.8	51.14	4.71	3.5				32	0.08	9.9	0.3	403	0.93	0.003	36.4	0.047			28.16			0.02	0.79				
1303150	LB	2012-07-06	UTM83-8	7130097	596297	1338	WH112000347	89	1.39	13.3	0.9	2	88.1		0.27	0.27	0.35		19	24.9	43.56	4.47	3.9				64	0.1	5.6	0.37	435	0.84	0.004	33.3	0.07			33.14			0.04	1.08				
1303151	LB	2012-07-06	UTM83-8	7130151	596298	1343	WH112000347	253	1.53	38.4	2.3	2	162.8		0.22	1.02	0.42	13.5	25.5	27.66	3.46	4.1				201	0.07	11.6	0.39	505	0.81	0.005	26.9	0.093			38.85			0.06	2.14					
1303152	LB	2012-07-06	UTM83-8	7130203	596298	1338	WH112000347	179	1.41	13.4	2.7	2	144.8		0.25	0.42	0.41		17	24.5	27.18	3.44	4.1				91	0.09	10.1	0.48	525	1.37	0.005	32.3	0.086			21.15			0.04	0.72				
1303153	LB	2012-07-06	UTM83-8	7130250	596297	1333	WH112000347	282	0.85	97.6	1.7	4	118.7		0.13	7.02	1.52	10.5	16.1	25.85	2.54	2.1					615	0.07	8.8	2.75	1079	0.84	0.011	20.6	0.096			56.68			0.03	6.56				
1303154	LB	2012-07-06	UTM83-8	7130300	596299	1344	WH112000347	1002	0.63	265.6	1.5	4	67.8		0.1	7.97	6.32		7.5	10.4	15.6	2.02	1.5				1169	0.05	5.8	4.8	1139	1.52	0.009	13.8	0.095			271.04			0.05	16.32				
1303155	LB	2012-07-06	UTM83-8	7130350	596297	1374	WH112000347	279	0.81	78.8	0.8	3	84.5		0.09	8.7	5.59		5.6	11.5	8.18	1.99	1.9				356	0.06	6.3	5.5	1483	0.72	0.01	9.8	0.051			106.93			0.04	5.57				
1303156	LB	2012-07-06	UTM83-8	7130402	596295	1373	WH112000347	547	1.32	63.7	1.4	2	167.5		0.2	2.69	2.19	12.1	20.9	19.31	3.72	3.4					377	0.07	12.6	0.92	1594	1.14	0.006	21.6	0.095			66.96			0.06	7.02				
1303157	LB	2012-07-06	UTM83-8	7130451	596298	1360	WH112000347	384	0.65	54.1	0.1	3	77.7		0.16	6.78	3.26	9.6	10.2	18.67	2.54	1.5					748	0.07	8.3	4.06	1164	0.9	0.008	17	0.074			56.27			0.03	6.55				
1303158	LB	2012-07-06	UTM83-8	7130498	596297	1338	WH112000347	499	0.65	144.3	2.2	4	139.5		0.12	6.57	2.56	8.7	9.7	20.78	2.85	1.5					682	0.08	8	3.96	2394	0.9	0.008	16.9	0.071			69.68			0.03	34.15				
1303159	LB	2012-07-06	UTM83-8	7130552	596298	1317	WH112000347	357	0.77	67.4	0.4	3	385.9		0.07	12.55	2.17	5.6	10.5	9.91	2.63	1.7					231	0.04	6	7.13	3007	0.81	0.012	11.2	0.07			38.6			0.04	13.39				
1303160	LB	2012-07-06	UTM83-8	7130600	596298	1297	WH112000347	324	0.37	68.7	0.6	2	1348.6		0.02	13.58	1.4		4	6	7.15	3.94	1				188	0.03	5	7.5	4322	0.82	0.012	7.5	0.057			54.67			0.05	14.97				
1303161	LB	2012-07-06	UTM83-8	7130649	596300	1280	WH112000347	369	1.15	47.6	2.7	4	267		0.15	4.69	0.95	11.4	19.6	22.71	3.38	3					205	0.07	11.8	2.62	1418	1.36	0.011	24.1	0.091			49.19			0.04	5.95				
1303162	LB	2012-07-06	UTM83-8	7130702	596299	1275	WH112000347	207	0.31	21.3	0.3	2	95		0.03	15.42	0.69	5.3	5.7	15.27	1.47	0.8					179	0.09	4.6	6.19	862	0.8	0.01	10.8	0.065			38.47			0.01	5.57				
1303163	LB	2012-07-06	UTM83-8	7130749	596300	1290	WH112000347	5052	0.99	30.1	0.9	2	641.3		0.11	5.84	8.22	7.6	11.7	20.67	5.24	2					1563	0.04	7.9	3.77	3544	1.02	0.008	11.6	0.094			1213.81			0.03	204.24				
1303164	LB	2012-07-06	UTM83-8	7130799	596297	1286	WH112000347	378	0.69	38.3	1	3	183.5		0.15	3.54	1.23	12.2	11.9	29.62	7.21	1.7					528	0.08	10.8	2.05	2717	1.4	0.006	26.8	0.085			67.54			0.03	6.98				
1303165	LB	2012-07-06	UTM83-8	7130849	596299	1276	WH112000347	373	0.33	33.1	1	3	113.5		0.1	6.4	1.71	9.4	7.7	20.6	5.15	1.1					282	0.05	5.4	4.09	1854	1.39	0.009	15.8	0.051			72.91			0.03	6.54				
1303166	LB	2012-07-06	UTM83-8	7130898	596296	1292	WH112000347	311	1.04	29.7	1.1	3	161.9		0.17	2.19	1.94	10.7	19.2	14.76	4.38	2.7					122	0.06	10.8	1.27	1515	1.04	0.007	19.9	0.046			53.05			0.04	4.94				
1303167	LB	2012-07-06	UTM83-8	7130952	596292	1320	WH112000347	536	0.28	31	0.6	7	70.3		0.07	11.68	1.08	5.6	6.4	16.06	4.95	0.8					271	0.05	5.3	6.41	1472	0.8	0.011	11.1	0.023			74.74			0.03	7.82				
1303168	LB	2012-07-06	UTM83-8	7130997	596291	1344	WH112000347	638	0.34	36.8	0.5	5	99.3		0.1	7.05	1.06	9.7	6.9	16.38	4.02	0.8					113	0.06	4.8	3.97	2283	1.37	0.008	12.9	0.062			74.39			0.04	7.82				
1303169	LB	2012-07-06	UTM83-8	7131051	596301	1374	WH112000347	879	0.7	50.2	0.8	5	181.4		0.16	3.61	1.59	13.4	12.3	22.32	6.1	1.7					218	0.06	8	2.02	2974	1.94	0.005	18.8	0.071			102.31			0.06	20.17				
1303170	LB	2012-07-06	UTM83-8	7131100	596296	1403	WH112000347	227	0.82	26.9	2.3																																			

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303141	3.5	0.8	36.6		0.02	3	0.002	0.18	1	9	0.05				540.9	
1303142	3.4	0.7	45.4		0.04	2.2	0.0005	0.16	0.7	6	0.05				529.2	
1303143	3.7	0.9	34.1		0.01	2.5	0.0005	0.12	0.6	7	0.05				384.4	
1303144	2.6	0.8	35		0.03	1.3	0.002	0.14	0.8	14	0.05				243.5	
1303145	4.7	0.6	31.5		0.02	3.5	0.002	0.12	1.4	26	0.05				106.9	
1303146	4.8	0.4	21.6		0.02	6.4	0.002	0.13	0.8	23	0.05				72.6	
1303147	5	1.1	38.1		0.03	4	0.002	0.17	2.4	17	0.05				230.7	
1303148	4.3	0.8	33.8		0.02	2.6	0.002	0.11	2	16	0.05				93.3	
1303149	5.9	0.3	8.2		0.05	2.7	0.003	0.15	0.5	34	0.05				112.3	
1303150	7.3	0.3	14.2		0.04	1.9	0.003	0.19	0.6	33	0.05				197	
1303151	4	0.6	34.1		0.04	0.9	0.006	0.41	1	39	0.1				243.4	
1303152	5.7	0.5	18.6		0.03	3.8	0.004	0.24	1.3	33	0.05				106.2	
1303153	3.7	0.8	86.3		0.01	1	0.007	1.27	0.9	24	0.2				316.3	
1303154	1.8	0.6	58.7		0.02	0.2	0.003	1.15	0.5	20	0.2				2172.6	
1303155	2.1	0.4	34.2		0.01	0.4	0.006	0.43	0.4	25	0.1				609.7	
1303156	3.2	0.4	52.4		0.03	0.8	0.007	0.47	0.8	39	0.1				321.5	
1303157	2.8	0.5	43.4		0.03	0.8	0.004	0.72	0.5	19	0.05				706.8	
1303158	2.5	0.7	52.7		0.02	0.7	0.003	1.3	0.6	19	0.2				537.5	
1303159	1.6	0.4	39.2		0.01	0.5	0.009	0.5	0.6	19	0.2				239.9	
1303160	1.3	0.3	41.6		0.01	0.4	0.006	0.36	0.6	10	0.1				171.3	
1303161	3.4	0.4	29.3		0.02	1.5	0.018	0.35	1.2	33	0.2				185.6	
1303162	2	0.05	87.8		0.01	1.4	0.005	0.27	0.7	11	0.1				98.1	
1303163	3.7	0.4	18.6		0.03	1	0.005	0.39	0.7	25	0.1				332.5	
1303164	6.7	0.4	31.3		0.04	2.5	0.004	0.68	0.8	25	0.2				153.4	
1303165	3.9	0.4	34.4		0.01	1.1	0.005	0.53	0.7	18	0.2				179.2	
1303166	4.3	0.3	19.7		0.04	1.6	0.011	0.42	0.6	36	0.2				203.4	
1303167	3.2	0.3	67.1		0.01	1.3	0.003	0.92	0.8	13	0.05				180.3	
1303168	3.4	0.4	45.4		0.01	0.6	0.003	0.69	0.6	18	0.1				151.1	
1303169	6.2	0.5	43		0.04	0.8	0.003	1.11	0.6	31	0.2				219.8	
1303170	3	0.3	36.3		0.01	0.6	0.004	0.54	0.7	27	0.2				278.1	
1303171	5	0.05	23.8		0.06	3.9	0.0005	0.81	0.5	12	0.05				313.8	
1303172	2.9	0.1	6.9		0.03	3.1	0.0005	0.26	0.6	11	0.05				123.4	
1303173	7.5	1	202		0.02	9.2	0.001	0.08	3.6	16	0.05				92.4	
1303174	1.2	0.4	24.6		0.02	0.7	0.006	5.66	1.6	9	0.05				6347	
1303175	1.3	0.8	30		0.03	1.4	0.002	4.8	1.8	6	0.05			1.96	10000	
1303176	6.2	0.2	16.1		0.01	10.2	0.0005	1.04	3	20	0.05				264.7	
1303177	3.4	0.3	24.7		0.05	3.3	0.003	0.37	1.4	16	0.05				292.2	
1303178	1.8	0.2	39.3		0.03	11.1	0.002	0.68	0.3	10	0.05				21.9	
1303179	7.5	1.1	80.2		0.01	2.5	0.006	0.2	1.4	42	0.05				130	
1303180	1.2	0.6	34.8		0.01	1.1	0.01	4.19	1.9	15	0.05				7347.1	
1303181	1.5	0.3	21.6		0.06	1.7	0.003	0.12	0.8	21	0.05				112.7	
1303182	0.8	0.6	12		0.01	0.4	0.007	0.14	0.9	34	0.05				77.8	
1303183	2.8	0.5	45.2		0.03	1.5	0.003	0.11	1.5	14	0.05				194.7	
1303184	5.3	0.5	47		0.06	1	0.005	0.16	1.1	20	0.05				317.6	
1303185	2.9	0.4	34.9		0.03	2.9	0.004	0.13	1	16	0.05				121.1	
1303186	4.8	0.5	66.9		0.04	2.6	0.005	0.13	1.1	20	0.05				136	
1303187	0.5	0.3	25.5		0.06	0.3	0.002	0.19	1.4	29	0.05				122.9	
1303188	2	0.8	29.1		0.07	1.8	0.004	0.24	1.2	29	0.05				108	
1303189	1.7	0.5	9.7		0.08	1.7	0.007	0.13	1.1	33	0.05				83.4	
1303190	6.8	1	75.8		0.08	1.4	0.005	1.06	3.5	43	0.1				457.1	
1303191	4.5	0.5	17.4		0.01	2.4	0.004	0.14	1.6	35	0.05				114.9	
1303192	5.6	0.4	14.3		0.03	3.1	0.015	0.2	2.1	49	0.05				135.8	
1303193	4.7	0.3	11		0.02	4.8	0.008	0.19	1.4	43	0.05				101.9	
1303194	6.8	1.3	16.7		0.01	3.3	0.005	0.3	1.3	23	0.05				88.5	
1303195	4.8	0.1	8.1		0.05	6	0.004	0.18	0.9	27	0.05				104.5	
1303196	2.6	0.05	10.4		0.04	1.7	0.008	0.27	0.7	36	0.05				131.7	
1303197	3	0.4	9.5		0.07	2	0.007	0.15	1	30	0.1				91.2	
1303198	2.8	0.05	9.5		0.07	1.7	0.006	0.18	1	31	0.05				97.7	
1303199	3.5	0.2	14.3		0.01	3.1	0.008	0.16	1.2	32	0.05				121.1	
1303200	2.2	0.3	11.4		0.08	1	0.017	0.18	0.9	53	0.2				110.5	
1303201	8.6	0.3	10.6		0.04	3.9	0.024	0.19	0.9	39	0.1				119.2	
1303202	4.4	0.1	12.1		0.03	1.2	0.015	0.14	0.6	38	0.1				93.9	
1303203	3.5	0.3	113.2		0.03	0.7	0.012	0.12	1	37	0.1				313	
1303204	2.9	0.3	331		0.01	1.2	0.01	0.1	0.8	23	0.1				183.4	
1303205	2.3	0.5	365.3		0.01	0.7	0.012	0.11	1	27	0.2				210.7	
1303206	4.3	0.5	48.1		0.05	1.4	0.017	0.13	0.8	36	0.2				308.2	
1303207	3	1	359.4		0.06	0.7	0.007	0.33	0.5	23	0.1				116.1	
1303208	2.4	0.7	158.4		0.09	0.6	0.007	0.27	0.7	24	0.1				182.9	
1303209	4.1	1.2	152.6		0.09	1	0.006	0.4	0.9	21	0.1				144.2	
1303210	4.6	0.7	451.3		0.06	2.1	0.003	0.3	0.8	11	0.05				114.9	
1303211	5.3	1.1	340.9		0.1	2.4	0.005	0.45	0.8	15	0.05				135.5	
1303212	4.5	0.6	224.6		0.04	1.8	0.005	0.88	1.2	25	0.2				288.7	
1303213	5.1	0.7	88.2		0.07	2	0.012	0.54	1.1	31	0.3				256.9	
1303214	3.3	0.8	101.6		0.08	0.9	0.006	0.51	1.8	28	0.2				218.8	
1303215	3.9	0.7	65.9		0.03	1.6	0.006	0.33	1.2	30	0.2				267.5	
1303216	3.6	0.7	62.2		0.07	1.4	0.007	0.45	1.2	29	0.1				376.5	
1303217	4.3	0.4	56.4		0.04	1.9	0.006	0.29	1.1	33	0.1				382.1	
1303218	4.2	0.1	71.5		0.01	2.6	0.014	0.16	0.7	36	0.2				112.7	
1303219	5.1	0.4	71.6		0.05	1.4	0.011	0.27	1.7	40	0.2				160.8	
1303220	3.6	0.4	59.1		0.01	1	0.008	0.28	0.7	28	0.1				116	
1303221	3.9	0.4	77.5		0.01	1.2	0.006	0.24	0.7	23	0.1				144.2	
1303222	5.4	0.2	57.4		0.02	3.3	0.005	0.47	0.6	21	0.05				142.7	
1303223	5.2	0.2	39.4		0.05	3.4	0.015	0.36	0.6	31	0.2				124.7	
1303224	4.3	0.6	37.9		0.04	1.3	0.007	0.49	1.1	30	0.2				184.8	
1303225	4.3	0.7	42.2		0.03	1.6	0.007	0.36	0.8	31	0.1				156.5	
1303227	2.7	0.2	12.1		0.07	1.2	0.015	0.46	1.1	53	0.2				115	
1303228	6.4	0.6	24.9		0.03	6.3	0.01	0.07	1.8	29	0.05				103.4	
1303229	7	0.5	21.1		0.01	5.1	0.008	0.08	1.1	25	0.05				104.1	
1303230	4.6	0.5	37.6		0.02	6.1	0.01	0.1	1.7	32	0.05				80.2	
1303231	5.1	0.7	95.1		0.01	5.7	0.013	0.33	4.5	29	0.05				102.4	
1303232	3.6	0.7	186.2		0.02	3.1	0.014	0.22	3.9	25	0.2				224.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303233	FT	2012-07-18	UTM83-8	7128592	599494	1686	WH112000521	229	1.48	11.6	1.4	2	102.9		0.2	0.18	0.35	11	27	24.24	3.14	4.3	48	0.09	13.8		0.09	13.8	0.52	395	1.36	0.004		32.8	0.092			15.6			0.04	0.85				
1303234	FT	2012-07-18	UTM83-8	7128550	599503	1676	WH112000521	362	0.78	12.9	1.8	7	81		0.42	0.85	0.22	20.7	18.3		43.56	3.74	2.2	90	0.14	11.9		0.26	678	0.71	0.003		47.2	0.084			52.74			0.04	0.73					
1303235	FT	2012-07-18	UTM83-8	7128495	599494	1661	WH112000521	2152	0.6	14.2	1.7	5	77.5		0.36	0.37	4.87	17.5	15.4		32.31	3.55	1.9	165	0.17	8.6		0.23	786	0.86	0.006		42.2	0.065			248.31			0.19	3.53					
1303236	FT	2012-07-18	UTM83-8	7128451	599498	1662	WH112000521	424	0.31	9.1	1.2	2	53		0.43	0.11	0.14	6.5	7.5		22.42	3.08	1	162	0.12	3		0.05	158	1.05	0.002		18.3	0.031			81.41			0.05	0.44					
1303237	FT	2012-07-18	UTM83-8	7128396	599504	1667	WH112000521	552	1.14	10.9	11.1	3	139.1		0.24	5.51	4.66	8.2	19.5		15.29	6.48	3	159	0.04	13		3.49	2535	1.42	0.011		19.8	0.099			417.26			0.01	0.91					
1303238	FT	2012-07-18	UTM83-8	7128347	599500	1664	WH112000521	288	1.24	11.6	6.3	4	132.8		0.2	3.45	1.3	9.2	22.6		18.71	4.25	3.5	61	0.05	15.3		2.21	1761	1.36	0.008		24.9	0.107			188.2			0.06	0.94					
1303239	FT	2012-07-18	UTM83-8	7128300	599499	1653	WH112000521	160	0.67	5.3	2.2	3	70.8		0.1	11.56	0.8	4.9	12.2		8.9	1.67	1.5	25	0.04	8.6		7.15	1819	0.76	0.01		12.7	0.111			48.34			0.04	0.35					
1303240	FT	2012-07-18	UTM83-8	7128249	599498	1644	WH112000521	264	1.31	12.7	4.6	3	134.8		0.19	4.43	0.79	9.3	23.5		17.76	3.3	3.3	57	0.05	19.3		2.75	2189	1.3	0.008		23.8	0.12			87.56			0.06	0.64					
1303241	FT	2012-07-18	UTM83-8	7128203	599496	1637	WH112000521	152	1.78	10.7	2	3	214.3		0.24	0.73	0.97	12	32.3		19.66	3.62	5.2	50	0.06	20.1		0.66	1669	1.32	0.005		28.4	0.122			48.02			0.09	0.77					
1303242	FT	2012-07-18	UTM83-8	7128148	599497	1624	WH112000521	145	1.03	7.5	1.1	4	85.9		0.11	8.44	0.47	6.4	18.3		13.64	2.03	2.4	44	0.04	13.2		5.25	1512	0.98	0.009		17.7	0.124			24.15			0.07	0.46					
1303243	FT	2012-07-18	UTM83-8	7128061	599499	1598	WH112000521	170	1.32	10.9	5	3	146.1		0.13	3.59	1.13	9.5	23.6		17.46	3.8	3.8	47	0.05	19.3		2.3	2289	1.35	0.008		24.3	0.095			48.19			0.05	0.7					
1303244	FT	2012-07-18	UTM83-8	7127995	599501	1587	WH112000521	150	1.31	13.4	2.4	2	129.4		0.13	1.77	1.23	9.4	26.7		18.53	4.72	3.5	58	0.05	21.9		1.25	2784	1.69	0.007		25.2	0.077			61.95			0.05	0.72					
1303245	FT	2012-07-18	UTM83-8	7127952	599499	1581	WH112000521	185	1.4	13.4	4	1	237.2		0.15	2.26	1.9	9.9	28.6		15.65	3.84	4.1	78	0.05	24.4		1.61	2521	1.63	0.009		28.3	0.069			41.64			0.04	0.76					
1303246	FT	2012-07-18	UTM83-8	7127901	599503	1575	WH112000521	152	1.2	10.1	1	4	123.9		0.12	5.3	0.68	9.3	22.4		15.74	2.56	3.3	62	0.06	16.9		3.31	1733	1.08	0.008		22.2	0.117			32.9			0.06	0.57					
1303247	FT	2012-07-18	UTM83-8	7127851	599497	1570	WH112000521	106	0.62	6.4	1.1	3	68.5		0.05	11.31	0.38	5.6	11.3		9.66	1.45	1.5	20	0.04	12		6.95	1460	0.46	0.008		12.1	0.101			22.38			0.04	0.29					
1303248	FT	2012-07-18	UTM83-8	7127797	599496	1560	WH112000521	104	0.8	6.9	0.8	4	85		0.08	10.59	0.65	6	13.7		9.32	1.59	1.7	33	0.05	12.2		6.55	1541	0.7	0.008		13.7	0.102			22.43			0.04	0.36					
1303249	FT	2012-07-18	UTM83-8	7127747	599503	1549	WH112000521	102	0.64	7.1	0.9	2	62.5		0.06	10.88	0.71	6.4	12		9.55	1.9	1.7	29	0.05	10.7		6.72	1201	0.45	0.008		14.4	0.056			92.04			0.01	0.3					
1303250	FT	2012-07-18	UTM83-8	7127698	599499	1540	WH112000521	117	1.23	9	0.9	2	123.6		0.11	5.95	0.55	9.4	22.7		13.7	2.43	3.5	18	0.07	16.4		3.82	1418	0.88	0.008		21.4	0.123			50.87			0.05	0.51					
1303251	FT	2012-07-18	UTM83-8	7127600	599498	1513	WH112000521	84	0.95	9.5	0.5	4	78.5		0.1	5.41	0.35	7.2	17.8		11.22	2.17	2.4	48	0.09	15.1		3.25	1003	1.12	0.008		16.1	0.16			35.82			0.06	0.45					
1303252	FT	2012-07-18	UTM83-8	7127555	599493	1497	WH112000521	50	1.72	10.6	0.9	3	150		0.12	5.79	0.49	7.8	23.4		10.08	2.35	4.1	46	0.06	14		3.52	1344	1.18	0.006		17.3	0.173			24.27			0.06	0.44					
1303253	FT	2012-07-18	UTM83-8	7127506	599497	1465	WH112000521	53	0.43	8	0.1	5	53.8		0.01	13.38	0.47	4	7.9		7.26	1.1	1	65	0.08	7		8.24	1346	0.62	0.01		8.4	0.238			35.07			0.02	0.15					
1303254	FT	2012-07-18	UTM83-8	7127342	599492	1389	WH112000521	46	0.8	7.5	1.1	6	61.3		0.03	11.87	0.47	3.8	11.3		6.07	1.32	1.6	63	0.1	11.8		6.88	1225	1.16	0.009		7.8	0.438			29.8			0.06	0.17					
1303255	FT	2012-07-18	UTM83-8	7127297	599491	1371	WH112000521	65	1.08	9.8	0.3	4	76.9		0.06	9.59	0.62	5.3	15.8		9.25	1.84	2.2	55	0.07	12.6		5.7	1476	1.19	0.008		12.1	0.34			44.09			0.06	0.27					
1303257	FT	2012-07-19	UTM83-8	7129152	599507	1530	WH112000414	77	1.79	4.3	1.5	4	110.5		0.26	0.67	0.14	13.7	31.2		35.91	2.62	5.1	52	0.13	14.2		0.89	499	0.33	0.002		35.4	0.131			15.06			0.06	0.22					
1303258	FT	2012-07-19	UTM83-8	7129200	599505	1514	WH112000414	73	1.45	11.3	0.8	3	96		0.3	0.2	0.2	25.9	22.7		30.3	3.94	4	32	0.15	8.6		0.42	1099	0.81	0.003		33.9	0.211			44.28			0.09	0.49					
1303259	FT	2012-07-19	UTM83-8	7129247	599502	1496	WH112000414	68	1.13	14.1	0.9	3	102.3		0.33	0.14	0.22	18.8	18		34.4	3.91	3.1	54	0.12	8.1		0.32	687	0.86	0.002		36.5	0.12			48.56			0.08	0.54					
1303260	FT	2012-07-19	UTM83-8	7129301	599506	1485	WH112000414	71	1.18	9.5	1	3	92.9		0.29	0.19	0.11	10.6	17.6		22.87	3.01	3.3	32	0.11	5.9		0.32	305	1.04	0.003		24.7	0.136			28.62			0.08	0.3					
1303261	FT	2012-07-19	UTM83-8	7129349	599497	1485	WH112000414	112	1.41	12.6	0.7	3	130.3		0.34	0.13	0.17	15.6	23.1		36.2	4.35	4.3	33	0.09	5.9		0.28	1235	2.85	0.001		30.2	0.123			22.23			0.05	0.63					
1303262	FT	2012-07-19	UTM83-8	7129406	599494	1487	WH112000414	56	1.78	7.6	2.6	2	57		0.4	0.04	0.16	16.5	26		30.5	4.29	5.5	44	0.07	8.4		0.3	956	1.46	0.005		21.6	0.074			26.16			0.02	0.66					
1303263	FT	2012-07-19	UTM83-8	7129455	599504	1486	WH112000414	167	1.01	17	8.2	3	99		0.41	0.55	0.17	21.4	17.8		57.75	4.88	2.9	73	0.1	8.2		0.33	2507	3.13	0.001		47													

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303233	3.4	0.3		14		0.06	3	0.022	0.12	1.1	39	0.2			87	
1303234	5.6	0.6		35.6		0.08	3.8	0.003	0.14	1	20	0.05			198.4	
1303235	5.1	0.3		25.3		0.06	5.8	0.005	0.14	0.8	17	0.05			817.3	
1303236	3.3	0.4		9.7		0.06	3.4	0.002	0.2	0.5	10	0.05			110	
1303237	2.8	0.4		25.6		0.02	1.4	0.018	1.14	1.3	40	0.2			2879.3	
1303238	2.9	0.4		18.5		0.01	1.6	0.024	0.58	1.5	48	0.2			575.3	
1303239	1.6	0.2		38.2		0.01	0.8	0.014	0.17	1.9	27	0.05			179.4	
1303240	3.3	0.3		24.7		0.01	1.7	0.018	0.45	1.5	43	0.3			300.6	
1303241	2.8	0.4		12.5		0.09	1	0.018	0.33	1.5	52	0.2			254.2	
1303242	1.8	0.2		31.8		0.01	0.8	0.013	0.13	1.1	27	0.1			125.8	
1303243	3.3	0.2		21.9		0.03	1.7	0.021	0.32	1	42	0.2			388.3	
1303244	3.8	0.3		14.7		0.03	2.1	0.021	0.29	1.1	44	0.4			516.9	
1303245	3.6	0.2		16.8		0.02	2.4	0.026	0.25	0.9	47	0.5			508.1	
1303246	2.6	0.05		26.7		0.01	1.2	0.021	0.21	1	38	0.3			180.4	
1303247	1.9	0.05		44.2		0.03	0.8	0.009	0.13	0.9	19	0.2			83.3	
1303248	2	0.2		38.5		0.03	0.9	0.01	0.12	0.8	22	0.05			107.1	
1303249	2.8	0.2		40.8		0.01	2	0.009	0.18	0.7	20	0.05			208.2	
1303250	3.3	0.5		26		0.02	1.8	0.014	0.21	0.9	33	0.2			133.6	
1303251	2.3	0.1		21.8		0.01	1.2	0.009	0.29	0.7	25	0.2			85	
1303252	2.6	0.5		21.8		0.01	1.2	0.015	0.34	0.8	36	0.2			109.4	
1303253	1.3	0.2		39.4		0.01	1.1	0.004	0.44	1	9	0.05			110.5	
1303254	1.4	0.3		40.2		0.01	0.7	0.004	0.37	1	13	0.05			101.5	
1303255	1.8	0.2		34.5		0.04	0.7	0.006	0.36	0.9	20	0.05			131.1	
1303257	4	0.2		23.8		0.01	3.1	0.004	0.11	1.4	20	0.05			89.5	
1303258	2.4	0.2		53		0.03	2.6	0.004	0.15	1.2	23	0.05			122.7	
1303259	3.2	0.3		28.5		0.04	2.3	0.003	0.15	1.1	20	0.05			147	
1303260	2.9	0.2		18.4		0.04	2.3	0.002	0.13	1.1	18	0.05			94.2	
1303261	2.9	0.4		13.8		0.06	1.5	0.004	0.2	1	37	0.05			90.3	
1303262	2.9	0.4		8.2		0.04	4.2	0.01	0.13	0.7	42	0.1			70.6	
1303263	6.6	0.6		19.7		0.06	2.1	0.003	0.18	1.6	35	0.05			62.8	
1303264	3.6	0.3		7.1		0.06	1.5	0.009	0.14	0.5	44	0.05			93.8	
1303265	4.9	0.4		6.3		0.03	3.3	0.008	0.17	0.5	58	0.1			67.3	
1303266	3.2	0.5		8.7		0.03	1.1	0.015	0.26	0.8	46	0.2			114.5	
1303267	2.4	0.5		8.1		0.05	0.8	0.022	0.24	0.7	62	0.2			59.8	
1303268	4.2	0.3		8.7		0.06	3.4	0.007	0.17	0.4	46	0.05			56.2	
1303269	4.7	0.3		9.6		0.04	2.9	0.017	0.2	0.5	40	0.1			72.8	
1303270	5.3	0.4		8.9		0.03	2.6	0.016	0.13	0.6	42	0.05			80.2	
1303271	8.2	0.4		9.9		0.05	3.2	0.01	0.14	0.5	44	0.05			83.2	
1303272	3.7	0.4		7.6		0.03	1.2	0.018	0.13	0.8	47	0.1			79.5	
1303273	3.1	0.3		8.4		0.05	0.7	0.013	0.11	0.6	41	0.1			72.6	
1303274	6.4	0.3		10.7		0.02	3	0.029	0.15	0.9	41	0.1			85.1	
1303275	2.8	0.5		9.2		0.07	0.8	0.028	0.14	1	49	0.2			85.3	
1303276	3.5	0.5		7.5		0.05	1	0.012	0.11	0.7	49	0.05			94.4	
1303277	4.2	0.3		7.6		0.03	1.7	0.02	0.12	0.6	43	0.2			101.6	
1303278	2.2	0.3		100.2		0.03	0.4	0.007	0.07	0.9	25	0.05			77.8	
1303279	3.9	0.4		86.4		0.01	1.2	0.017	0.1	0.8	37	0.2			120.4	
1303280	3.1	0.3		86.5		0.05	0.8	0.012	0.12	1	33	0.1			237.6	
1303281	4.2	0.4		63		0.03	2.6	0.028	0.08	0.7	38	0.2			98.4	
1303282	2	0.2		33.8		0.01	0.5	0.016	0.14	0.7	45	0.2			77.5	
1303283	2.6	0.4		54.8		0.03	0.7	0.013	0.16	0.8	45	0.2			121.5	
1303284	4.3	0.4		93.8		0.02	1.6	0.017	0.17	0.7	38	0.2			97.6	
1303285	5	0.5		60.7		0.05	2.3	0.02	0.15	0.7	42	0.2			104.1	
1303286	3.1	0.5		89.9		0.04	0.8	0.01	0.16	0.5	34	0.1			126.4	
1303287	6.8	0.5		39.6		0.1	3.8	0.008	0.61	0.6	20	0.05			130.6	
1303288	4.9	0.5		169.9		0.02	2	0.014	0.33	0.7	28	0.1			126.8	
1303289	5.1	0.5		66.3		0.03	2.1	0.009	0.54	0.6	26	0.05			115.7	
1303290	3.4	0.6		40.5		0.04	0.7	0.01	0.39	0.7	42	0.1			247.2	
1303291	4.3	0.6		55.2		0.05	1.5	0.012	0.31	1.3	39	0.2			174.1	
1303292	3.5	0.4		48.6		0.04	1.5	0.007	0.23	1.1	33	0.1			126.8	
1303293	3.9	0.4		53.4		0.01	1.6	0.007	0.19	0.9	34	0.1			133.8	
1303294	3.3	0.4		62.9		0.04	1.3	0.007	0.17	0.9	33	0.1			347.8	
1303295	3.4	0.5		44.8		0.03	1.1	0.007	0.19	1.5	36	0.1			124.4	
1303296	3.4	0.2		30		0.04	1.6	0.008	0.15	0.9	36	0.1			171.6	
1303297	5.2	0.4		73.1		0.01	2.4	0.004	0.14	0.8	27	0.05			131.8	
1303298	3.3	0.2		88.3		0.04	1.1	0.008	0.13	0.8	24	0.1			120.7	
1303299	7.1	0.4		47		0.03	4	0.005	0.18	1.4	47	0.05			102.8	
1303301	5.4	0.9		64.6		0.04	5	0.01	0.35	2.5	26	0.05			136.8	
1303302	4.8	0.2		21.7		0.05	6.9	0.006	0.16	1.3	17	0.05			64.3	
1303303	4.5	0.5		31.1		0.04	3	0.002	0.2	1.2	16	0.05			116.9	
1303304	3.3	0.3		19.6		0.05	1.8	0.005	0.18	1.2	30	0.1			90.7	
1303305	1.5	0.3		12.2		0.06	0.4	0.012	0.18	1	48	0.1			77.2	
1303306	6.8	0.5		19.2		0.08	2.7	0.009	0.23	1.6	47	0.1			71	
1303307	2.4	0.3		9.8		0.02	1	0.013	0.12	0.8	36	0.1			75.7	
1303308	2.1	0.4		11.8		0.04	0.8	0.015	0.2	0.9	48	0.1			80.1	
1303309	1.3	0.4		9.2		0.06	0.3	0.014	0.2	1	52	0.2			83.6	
1303310	3.1	0.4		10.5		0.04	2.1	0.028	0.22	0.7	60	0.2			83.7	
1303311	2.5	0.2		11.8		0.09	0.7	0.008	0.17	1	42	0.1			105.7	
1303312	4	0.2		13.7		0.01	1.9	0.024	0.13	0.9	41	0.2			90.2	
1303313	4	0.1		14.9		0.02	2.6	0.02	0.11	0.7	46	0.1			89.3	
1303314	4.2	0.2		20.4		0.04	2.5	0.009	0.13	0.8	46	0.2			82.8	
1303315	5.5	0.1		43.1		0.06	2.5	0.01	0.16	1.1	47	0.2			126.9	
1303316	3.5	0.3		20.6		0.01	1.5	0.012	0.13	0.8	47	0.2			86.4	
1303317	2.9	0.2		14.3		0.01	1.5	0.02	0.17	1	50	0.2			86.6	
1303318	2.4	0.3		87		0.05	0.9	0.008	0.17	1.5	50	0.2			72.9	
1303319	5	0.2		46.6		0.04	3.3	0.007	0.13	1.1	40	0.1			93.1	
1303320	3.3	0.2		132		0.02	1	0.006	0.1	0.8	34	0.1			75.8	
1303321	5.1	0.3		78.1		0.07	2	0.019	0.1	0.8	42	0.2			108.6	
1303322	4.6	0.4		93.6		0.05	1.3	0.006	0.13	1.1	32	0.05			138.8	
1303323	4.4	0.4		92.9		0.04	1.2	0.007	0.21	1.9	38	0.1			248.6	
1303324	3	0.4		104.6		0.04	0.7	0.006	0.17	0.5	29	0.05			328	
1303325	3.9	0.6		160.3		0.08	1.3	0.005	0.23	0.7	24	0.05			1311.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303326	FT	2012-07-20	UTM83-8	7130542	599902	1372	WH112000414	317	0.7	16	1.5	3	76		0.21	10.03	1.02	15.4	12.9		34.79	2.82	2	202	0.08	9.7		0.08	9.7	0.31	429	0.86	0.006		27.5	0.073	61.09				0.04	1.9				
1303327	FT	2012-07-20	UTM83-8	7130600	599899	1369	WH112000414	296	0.66	16.5	1.5	3	75.5		0.25	2.5	0.47	19.8	12.9		43.6	3.75	1.7	272	0.08	14.6		0.08	14.6	0.18	433	0.93	0.003		34.9	0.065	50.79				0.04	1.34				
1303328	FT	2012-07-20	UTM83-8	7130653	599899	1357	WH112000414	248	0.33	16.4	1.6	3	56.2		0.21	11.64	0.27	16.5	8		43.78	3.05	0.9	242	0.07	9.3		0.07	9.3	0.18	278	1.01	0.004		32.2	0.059	43.69				0.04	1.68				
1303329	FT	2012-07-20	UTM83-8	7130697	599897	1337	WH112000414	227	0.9	18.2	1.7	3	111.5		0.27	1.29	0.41	16.7	17.7		37.88	3.57	2.4	107	0.06	18.2		0.06	18.2	0.25	607	0.9	0.005		33.8	0.073	47.84				0.04	1.98				
1303330	FT	2012-07-20	UTM83-8	7130753	599897	1327	WH112000414	258	1.06	20.6	1	2	132.3		0.23	0.83	0.41	13.2	18.2		28.87	3.27	2.9	204	0.07	14.9		0.07	14.9	0.25	745	0.82	0.002		25.6	0.058	33.77				0.04	4.77				
1303331	FT	2012-07-20	UTM83-8	7130794	599901	1321	WH112000414	95	1.52	20.1	0.8	2	110.7		0.25	0.99	0.72	10.9	22.7		18.8	3.43	4.4	78	0.07	12.4		0.07	12.4	0.34	490	0.99	0.003		20.1	0.061	36.62				0.05	2.07				
1303332	FT	2012-07-20	UTM83-8	7131051	599903	1253	WH112000414	596	0.83	38.5	1.8	5	106.7		0.17	9.56	0.51	13.4	14.8		45.86	3.26	2.1	251	0.15	10		0.15	10	2.58	1065	2.2	0.007		29.8	0.378	55.19				0.02	4.4				
1303333	FT	2012-07-20	UTM83-8	7131111	599903	1234	WH112000414	229	1.07	11.5	1.9	4	145.1		0.19	2.67	0.52	13	18		39.85	2.3	2.8	236	0.08	10.9		0.08	10.9	0.34	506	0.46	0.005		26.9	0.138	20.88				0.07	5.9				
1303334	FT	2012-07-20	UTM83-8	7131149	599902	1224	WH112000414	233	1.22	14.6	2.1	3	151.9		0.21	2.06	0.43	14.7	19.9		41.13	2.89	3.4	189	0.09	12.4		0.09	12.4	0.58	619	0.9	0.005		32	0.141	21.57				0.05	0.8				
1303335	FT	2012-07-20	UTM83-8	7131202	599897	1220	WH112000414	182	1.38	11	2.3	3	139.2		0.22	1.24	0.29	16	23.9		39.2	3.16	3.9	105	0.08	8.8		0.08	8.8	0.43	426	0.72	0.004		31.1	0.077	19.5				0.05	0.8				
1303336	FT	2012-07-20	UTM83-8	7131257	599899	1200	WH112000414	193	1.43	11.8	2.7	2	166.7		0.22	1.07	0.35	12.6	22.7		28.24	3.02	4	115	0.07	11.9		0.07	11.9	0.48	664	0.86	0.004		27.3	0.094	21.23				0.05	0.73				
1303337	FT	2012-07-20	UTM83-8	7131311	599910	1197	WH112000414	147	1.09	10.2	1.7	3	135.7		0.16	3.89	0.41	10.2	18.4		24.44	2.32	3	169	0.07	9		0.07	9	1.61	531	0.82	0.006		22.7	0.085	16.36				0.05	0.73				
1303338	FT	2012-07-20	UTM83-8	7131350	599906	1189	WH112000414	104	1.62	12.1	1.4	2	129.4		0.19	1.55	0.44	13.4	21.5		20.25	3.11	4	56	0.07	13.1		0.07	13.1	0.64	806	1.06	0.002		22.8	0.209	25.8				0.01	0.62				
1303339	FT	2012-07-20	UTM83-8	7131397	599906	1179	WH112000414	177	1.13	9.4	1	2	161.4		0.18	3.47	0.66	11.6	17.8		25.45	2.73	3.4	129	0.06	10.5		0.06	10.5	1.1	1178	0.98	0.003		22.7	0.108	20.33				0.05	0.55				
1303340	FT	2012-07-20	UTM83-8	7131448	599904	1167	WH112000414	129	1.25	10.7	1.7	2	137.8		0.17	0.79	0.34	11.9	20.2		27.56	2.86	3.8	116	0.07	11.7		0.07	11.7	0.43	432	0.75	0.004		25.8	0.091	18.49				0.04	0.66				
1303341	FT	2012-07-20	UTM83-8	7131497	599904	1165	WH112000414	35	1.48	14.8	0.6	1	138.6		0.22	0.39	0.2	14.5	22.6		21.24	3.82	3.9	75	0.06	9.3		0.06	9.3	0.42	872	1.14	0.001		25.4	0.06	32.84				0.01	0.68				
1303342	FT	2012-07-20	UTM83-8	7131549	599907	1164	WH112000414	196	1.16	9.7	1.6	2	202.1		0.22	2.19	0.55	13.1	20.1		69.91	3.01	3.5	178	0.06	12		0.06	12	0.32	1088	0.8	0.003		24.6	0.07	22.71				0.05	0.55				
1303344	FT	2012-07-21	UTM83-8	7129151	599898	1634	WH112000414	54	1.58	5.1	1.9	4	59.6		0.22	0.08	0.12	10.8	37.1		14.97	2.81	6.5	60	0.15	16.1		0.15	16.1	0.91	446	0.62	0.002		34.3	0.077	16.25				0.06	0.17				
1303345	FT	2012-07-21	UTM83-8	7129102	599896	1631	WH112000414	108	2.08	5.3	1.9	2	163.5		0.26	0.31	0.09	12.2	40.8		49.2	3.14	6	34	0.07	17.4		0.07	17.4	0.98	474	0.57	0.002		40.7	0.102	19.99				0.05	0.33				
1303346	FT	2012-07-21	UTM83-8	7129047	599897	1628	WH112000414	24	1.95	3.6	1.9	2	276.1		0.2	0.27	0.08	13.5	34.7		17.79	2.98	5.4	9	0.09	32.4		0.09	32.4	1.14	434	0.46	0.001		37.9	0.049	15.78				0.01	0.28				
1303347	FT	2012-07-21	UTM83-8	7128997	599901	1623	WH112000414	37	1.67	4.3	1.5	2	184.4		0.18	0.09	0.15	9.7	32.2		39.18	2.62	5.5	22	0.09	23.2		0.09	23.2	1.01	281	0.76	0.001		26.4	0.064	13.05				0.03	0.47				
1303348	FT	2012-07-21	UTM83-8	7128948	599901	1613	WH112000414	51	1.67	3.8	0.9	2	355.6		0.25	0.58	0.28	9.1	31.6		27.25	2.54	4.9	18	0.09	17.7		0.09	17.7	0.79	261	0.64	0.003		28.9	0.104	16.14				0.05	0.36				
1303349	FT	2012-07-21	UTM83-8	7128900	599900	1609	WH112000414	29	2.07	6.3	3.8	2	107.7		0.27	0.11	0.13	11.3	36		24.74	2.86	6	19	0.07	23.8		0.07	23.8	1.27	348	0.63	0.0005		32.3	0.068	14.32				0.01	0.38				
1303350	FT	2012-07-21	UTM83-8	7128850	599899	1601	WH112000414	27	2	9.4	3.7	3	119.8		0.21	0.18	0.3	11.6	39.7		26.4	2.87	5.7	23	0.07	22.2		0.07	22.2	1.43	450	0.8	0.001		31.1	0.057	15.36				0.01	0.49				
1303351	FT	2012-07-21	UTM83-8	7128798	599903	1593	WH112000414	104	1.87	9.1	4.4	3	141.3		0.19	0.64	0.38	11.1	42.2		29.58	2.75	6.2	64	0.07	30.2		0.07	30.2	1.5	465	0.68	0.002		30.4	0.067	14.95				0.04	0.44				
1303352	FT	2012-07-21	UTM83-8	7128750	599902	1583	WH112000414	58	1.62	6.8	7.3	4	40.7		0.14	5.14	0.22	11.9	33		31.87	2.22	5.1	32	0.11	22.1		0.11	22.1	2.36	365	0.31	0.002		26	0.066	10.99				0.03	0.12				
1303353	FT	2012-07-21	UTM83-8	7128695	599901	1563	WH112000414	80	1.43	8.2	4.7	4	52.7		0.14	3.74	0.32	9.2	30		28.97	2.03	4.5	31	0.12	20.6		0.12	20.6	2.44	251	0.64	0.004		25.1	0.068	14.11				0.04	0.25				
1303354	FT	2012-07-21	UTM83-8	7128653	599902	1541	WH112000414	171	1.64	9.6	5.3	4	142.4		0.18	0.91	0.42	8.5	31.7		29.97	2.42	4.9	55	0.1	28.5		0.1	28.5	1.18	287	0.73	0.0005		27.6	0.1	18.87				0.07	0.37				
1303355	FT	2012-07-21	UTM83-8	7128602	599896	1507	WH112000414	382	1.37	10.7	3.1	3	100.9		0.22	0.76	0.29	9.9	27.1		23.26	3.05	3.8	75	0.07	21.3		0.07																		

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303326	3.5	0.6	240.1		0.06	1.3	0.007	0.2	0.7	24	0.1				321.9	
1303327	5.5	0.4	76.4		0.06	2	0.005	0.26	0.6	25	0.05				144.4	
1303328	3.7	0.5	200.2		0.1	1.8	0.004	0.29	0.6	17	0.05				65.9	
1303329	5.4	0.2	60.9		0.07	1.6	0.009	0.18	0.8	35	0.1				129.7	
1303330	5.4	0.2	32.7		0.07	1.6	0.005	0.26	0.8	33	0.1				125.4	
1303331	3.3	0.2	21.1		0.03	1.2	0.009	0.22	1.1	47	0.1				184.9	
1303332	3.9	0.5	192.8		0.04	2.3	0.008	0.56	2.9	32	0.2				107.8	
1303333	3.8	0.5	111.1		0.02	1.4	0.005	0.25	1.7	30	0.1				113.7	
1303334	4.4	0.4	73.8		0.04	1.9	0.006	0.19	1.2	34	0.05				103.5	
1303335	4.5	0.4	46.5		0.04	1.7	0.005	0.15	0.9	36	0.1				116.6	
1303336	3.2	0.3	36.8		0.03	1.4	0.007	0.13	1.1	41	0.1				99.3	
1303337	2.8	0.3	76.5		0.03	1.3	0.006	0.14	0.9	33	0.05				98	
1303338	4	0.2	47.2		0.01	4	0.005	0.17	1.4	44	0.1				87.1	
1303339	2.9	0.4	80.1		0.03	0.9	0.006	0.09	1.6	35	0.1				83.5	
1303340	3.5	0.3	34		0.01	2	0.005	0.12	0.9	35	0.05				118.8	
1303341	3.8	0.1	23.4		0.07	2.6	0.004	0.14	0.6	45	0.05				134.5	
1303342	5	0.5	135.2		0.03	1.2	0.006	0.1	1	37	0.1				95.2	
1303344	1.5	0.1	5.7		0.05	1.4	0.006	0.08	0.6	27	0.05				91.2	
1303345	5.8	0.1	13.9		0.04	3.2	0.004	0.13	2.9	32	0.05				79.9	
1303346	3.5	0.3	13		0.01	6	0.005	0.11	1	30	0.05				81.5	
1303347	1.9	0.2	7.5		0.03	1.5	0.007	0.13	0.8	37	0.05				82.7	
1303348	4.6	0.3	21.1		0.04	2.2	0.005	0.12	2.1	31	0.05				128.3	
1303349	2.8	0.2	8.9		0.01	3	0.008	0.13	1	38	0.05				85.7	
1303350	3.7	0.3	10.9		0.01	3.6	0.012	0.11	1.9	43	0.1				95.5	
1303351	5.2	0.5	31.1		0.01	3.2	0.009	0.1	3.4	42	0.1				105.3	
1303352	4.8	0.3	83.4		0.03	4.5	0.003	0.08	1.4	30	0.05				78.6	
1303353	4	0.4	64.8		0.01	2.8	0.005	0.09	1.9	29	0.05				84.6	
1303354	3.2	0.3	36.8		0.04	1.7	0.005	0.13	7.1	36	0.05				97.5	
1303355	3.4	0.4	38.1		0.03	1.5	0.005	0.16	5.8	36	0.05				101.8	
1303356	2.7	0.2	21		0.05	1.7	0.003	0.32	1.1	21	0.05				91.6	
1303357	2.4	0.2	30.1		0.01	3.3	0.001	0.59	0.6	15	0.05				60.2	
1303358	1.4	0.2	46		0.04	0.6	0.006	0.45	1.5	21	0.05				98.9	
1303359	2.9	0.3	17.1		0.04	1.3	0.008	0.67	1.9	43	0.1				278.5	
1303360	3.5	0.2	16.3		0.03	2.3	0.006	0.4	1.6	33	0.05				232.7	
1303361	2.6	0.4	15.4		0.03	1.1	0.01	0.21	1.8	40	0.2				128.8	
1303362	2.6	0.3	20.2		0.03	1.1	0.01	0.18	1.6	42	0.2				115.5	
1303363	2.5	0.3	16.9		0.04	1	0.013	0.27	1.9	53	0.2				130.4	
1303364	2.6	0.4	16.4		0.03	1	0.012	0.19	1.2	50	0.2				113.5	
1303365	2.9	0.3	17.5		0.03	1.2	0.014	0.23	1.3	49	0.2				98.7	
1303366	2.4	0.2	23.4		0.01	1.1	0.014	0.16	1.7	44	0.1				105.2	
1303367	3.4	0.2	25.8		0.03	3	0.025	0.16	1.4	41	0.2				104	
1303368	3.2	0.2	32.9		0.02	2.3	0.019	0.22	1.6	41	0.2				159.4	
1303369	4.2	0.2	20.8		0.05	2.6	0.017	0.27	1.6	48	0.3				126.4	
1303370	3.3	0.2	24.9		0.01	1.8	0.017	0.16	1.4	46	0.2				88.6	
1303371	4	0.4	22.9		0.01	2.5	0.019	0.21	1.1	46	0.3				126.7	
1303372	3.4	0.2	27.3		0.04	2.1	0.018	0.14	0.9	43	0.2				82.2	
1303373	5.4	0.4	18.9		0.01	3.7	0.023	0.19	1.5	54	0.2				158.9	
1303374	3.7	0.2	15.4		0.02	2.4	0.018	0.22	1.1	55	0.2				151	
1303375	3	0.05	25.8		0.01	1.4	0.007	0.25	1.4	43	0.2				84.5	
1303376	2.1	0.3	26.2		0.01	1	0.009	0.17	0.7	34	0.1				82	
1303377	1.2	0.2	20.7		0.01	0.7	0.003	0.24	0.4	12	0.05				30.9	
1303378	2.6	0.4	19.2		0.06	1.2	0.01	0.24	0.7	40	0.1				120.4	
1303379	0.7	0.05	17.8		0.01	0.3	0.002	0.2	0.4	10	0.05				115.6	
1303381	4.5	0.4	28.1		0.05	3.4	0.003	0.13	2.4	28	0.05				104.1	
1303382	6.6	0.4	27.6		0.07	3.6	0.002	0.19	1.2	27	0.05				90.9	
1303383	5.3	0.4	51.4		0.05	4.1	0.002	0.18	1.6	26	0.05				114.4	
1303384	4.7	0.6	29.9		0.01	2.9	0.002	0.11	1.1	25	0.05				163.6	
1303385	4.8	0.4	22.8		0.04	2.5	0.003	0.13	1.8	25	0.05				164.8	
1303386	7.7	0.3	25.8		0.03	4.1	0.003	0.18	1.3	31	0.05				172.3	
1303387	6.1	0.5	21.8		0.04	2.8	0.004	0.2	1.3	30	0.05				120.4	
1303388	4.5	0.4	26.7		0.03	3.5	0.005	0.29	1.3	19	0.05				215.5	
1303389	3.4	0.2	44.5		0.05	2.7	0.005	0.16	0.9	16	0.05				113.9	
1303390	4.4	0.3	32.9		0.04	3.3	0.005	0.19	1.2	24	0.05				150.9	
1303391	3.6	0.1	14.7		0.04	2.9	0.007	0.22	1.4	33	0.1				166.5	
1303392	5.4	0.4	52.5		0.05	3.5	0.003	0.32	0.9	28	0.05				665.1	
1303393	3.6	0.4	55		0.05	1.2	0.007	0.27	1.2	33	0.05				167.3	
1303394	4.5	0.5	124.7		0.06	2	0.006	0.24	0.7	26	0.05				152	
1303395	4.2	0.4	49.6		0.03	2	0.004	0.37	0.9	30	0.1				325.6	
1303396	3.4	0.8	52.2		0.06	1.1	0.009	0.48	1.7	39	0.2				311.7	
1303397	4.3	0.3	25.4		0.03	1.8	0.01	0.29	1.2	46	0.1				127.9	
1303398	2.1	0.3	27.1		0.01	0.5	0.005	0.22	0.9	20	0.05				108.6	
1303399	3.5	0.4	20.7		0.02	1.5	0.008	0.24	1.1	38	0.1				207.7	
1303400	3.1	0.2	28.6		0.03	1.4	0.011	0.19	0.5	32	0.2				63	
1303401	4.2	0.5	15		0.04	3.4	0.013	0.24	0.8	48	0.2				89.7	
1303402	2.7	0.4	20.3		0.01	0.9	0.011	0.21	1.4	36	0.1				139.4	
1303403	5.3	0.3	22.6		0.07	2.2	0.012	0.39	1.1	42	0.2				146.8	
1303404	4.1	0.2	12.1		0.05	2.4	0.009	0.23	0.8	38	0.1				86.3	
1303405	5.5	0.2	11.2		0.01	3.6	0.007	0.37	1.2	45	0.1				107.8	
1303406	4.3	0.2	20.9		0.06	1.1	0.012	0.27	1.7	47	0.2				102.9	
1303407	3.7	0.2	13		0.04	1.3	0.014	0.2	1.1	46	0.2				106.8	
1303408	4.7	0.3	5.7		0.02	4.7	0.013	0.36	0.9	51	0.2				61	
1303409	12.8	0.6	5		0.03	6.4	0.01	0.32	1.5	36	0.1				79	
1303410	4.9	0.4	20.8		0.02	1.9	0.011	0.2	0.9	32	0.1				235.9	
1303411	5.3	0.2	46.7		0.05	2.7	0.005	0.2	0.7	31	0.05				122.5	
1303413	3.2	0.2	66.3		0.02	1.7	0.005	0.25	0.9	27	0.1				95.8	
1303414	6	0.3	22.7		0.01	3.4	0.003	0.19	1.5	33	0.1				177.5	
1303415	4.7	0.4	23.5		0.01	2.1	0.009	0.32	1.6	46	0.2				239.9	
1303416	4.8	0.05	37		0.05	2.8	0.006	0.33	1.4	31	0.3				203	
1303417	3.6	0.2	19.2		0.02	2.7	0.004	0.31	1.1	37	0.2				260.3	
1303418	2.9	0.2	16.1		0.01	2.3	0.01	0.27	0.8	33	0.2				124.3	
1303419	6.3	0.4	12.4		0.02	3.6	0.007	0.54	1.4	37	0.1				128.4	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303420	FT	2012-07-23	UTM83-8	7131249	598097	1276	WHI12000497	74	1.31	12.9	1.3	1	127.4		0.29	0.2	0.64	10.3	21.9	16.88	4.04	4.7				38	0.06	9.5	0.32	1161	1.26	0.002			17.1	0.076			29.89			0.04	1.49			
1303421	FT	2012-07-23	UTM83-8	7131299	598102	1271	WHI12000497	150	1.42	16.8	0.8	1	147.2		0.27	0.45	0.28	11.2	22.1	21.91	5.27	4.1				132	0.05	13.8	0.35	1106	1.14	0.002			22.1	0.06			35.78			0.03	2.27			
1303422	FT	2012-07-23	UTM83-8	7131356	598096	1264	WHI12000497	159	1.28	18.3	1.5	0.5	234.8		0.29	0.35	0.74	13.7	19.6	25.46	5.36	3.4				92	0.05	15.6	0.3	2327	1.2	0.002			23.8	0.095			51.69			0.04	2.65			
1303423	FT	2012-07-23	UTM83-8	7131404	598093	1268	WHI12000497	30	0.47	8.6	0.1	0.5	55.9		0.21	0.05	0.08	9.2	7.9	16.14	3.74	0.9				31	0.04	7.3	0.04	780	0.53	0.0005			8.1	0.023			42.97			0.01	0.81			
1303424	FT	2012-07-23	UTM83-8	7131454	598098	1254	WHI12000497	137	0.99	22.7	0.9	1	114.2		0.22	1.79	0.88	11.7	15.1	17.93	3.97	2.6				79	0.04	11.1	1.14	1807	0.87	0.002			17.5	0.051			49.08			0.02	4.55			
1303425	FT	2012-07-23	UTM83-8	7131492	598102	1248	WHI12000497	250	0.79	13.3	1.4	2	93.6		0.18	2.72	0.33	13.6	15.1	27.24	3.75	2				69	0.04	11.2	1.69	1413	0.82	0.004			25.9	0.048			41.13			0.02	1.43			
1303426	FT	2012-07-23	UTM83-8	7131550	598110	1256	WHI12000497	104	1.21	14.8	0.5	1	204.1		0.25	0.8	0.37	13.9	22.3	21.08	3.78	3.9				56	0.05	9.2	0.41	1269	1.28	0.002			21.4	0.042			48.18			0.05	1.13			
1303427	FT	2012-07-23	UTM83-8	7131409	597901	1279	WHI12000497	103	1.31	12	1.5	3	209.7		0.22	1.25	0.27	13.1	24.3	28.06	4.75	3.4				66	0.05	18.1	1.05	1270	1.3	0.006			34.1	0.107			34.68			0.01	1.55			
1303428	FT	2012-07-23	UTM83-8	7131551	597902	1296	WHI12000497	274	0.08	7.5	0.1	35	44.7		0.01	15.37	0.08	2.2	3.5	10.72	6.85	0.2				63	0.01	4.2	8.41	1388	0.46	0.012			5.8	0.02			29.92			0.01	1.08			
1303429	FT	2012-07-23	UTM83-8	7131500	597898	1286	WHI12000497	180	1.19	16.1	0.8	2	229.3		0.23	1.68	0.58	12.8	20.7	22.71	3.84	3.1				57	0.06	14.7	0.98	1328	1.07	0.004			23	0.063			41.76			0.03	1.96			
1303430	FT	2012-07-23	UTM83-8	7131456	597901	1282	WHI12000497	154	1.28	14.5	1.6	3	168.4		0.27	0.82	1.15	13.5	23.2	20.87	3.77	3.6				73	0.06	12.2	0.48	1243	1.01	0.004			22.1	0.092			40.21			0.07	2.01			
1303431	FT	2012-07-23	UTM83-8	7131348	597906	1283	WHI12000497	33	1.38	12.8	0.6	0.5	133.8		0.28	0.16	0.37	11.4	23.7	19.65	3.15	4.4				34	0.05	12.2	0.32	484	1.27	0.002			19.6	0.056			26.05			0.02	1.12			
1303432	FT	2012-07-23	UTM83-8	7131305	597890	1290	WHI12000497	103	1.33	12.4	0.7	1	147.6		0.22	0.37	0.52	12.4	22.3	25.14	3.45	3.9				48	0.05	13.3	0.42	713	1	0.004			26.1	0.075			23.62			0.03	1.21			
1303433	FT	2012-07-23	UTM83-8	7131249	597899	1292	WHI12000497	64	1.49	14.4	0.8	0.5	87.9		0.24	0.15	0.4	14	26	31.16	3.4	3.8				57	0.05	16.3	0.41	409	1	0.002			32.3	0.092			27.13			0.01	1.26			
1303434	FT	2012-07-23	UTM83-8	7131203	597905	1303	WHI12000497	73	1.36	12.6	0.1	0.5	103.5		0.34	0.11	0.58	11.9	24.7	16.64	3.08	5.5				44	0.04	13.7	0.25	994	1.69	0.001			16.7	0.064			22.44			0.01	0.93			
1303435	FT	2012-07-23	UTM83-8	7131144	597908	1311	WHI12000497	119	1.52	27.4	1.9	0.5	211.6		0.24	0.31	0.92	16	22.8	29.9	5.7	3.8				94	0.05	15.5	0.42	1830	1.68	0.002			36.3	0.068			77.57			0.01	4.44			
1303436	FT	2012-07-23	UTM83-8	7131105	597892	1316	WHI12000497	225	1.28	15.3	1.6	1	148.1		0.22	0.56	0.53	13.6	25.2	30.68	3.36	3.7				161	0.06	17.3	0.55	803	1.07	0.006			32.7	0.078			32.86			0.01	1.94			
1303437	FT	2012-07-23	UTM83-8	7131057	597892	1323	WHI12000497	95	1.41	12.6	1.4	1	112.2		0.2	0.23	0.21	15.4	24.7	32.16	3.14	4.1				60	0.06	14.6	0.46	469	0.86	0.004			32.1	0.038			30.65			0.01	1.51			
1303438	FT	2012-07-23	UTM83-8	7131002	597891	1327	WHI12000497	302	1.23	22.5	1.6	3	153.8		0.26	1.53	0.3	14.4	22.9	37.47	3.19	3.6				201	0.07	14	0.74	728	1.28	0.004			27.4	0.149			42.37			0.06	4.12			
1303439	FT	2012-07-23	UTM83-8	7130953	597898	1347	WHI12000497	219	0.68	20.6	0.6	1	101.4		0.15	1.96	0.3	6.4	11.2	17.07	2.47	2				88	0.03	6.5	0.86	824	2.05	0.003			11.3	0.087			33.42			0.06	2.57			
1303440	FT	2012-07-23	UTM83-8	7130904	597899	1348	WHI12000497	81	1.81	12.3	1.2	0.5	180.7		0.24	0.84	0.15	12.7	26.3	20.91	3.38	5.2				51	0.05	11.5	0.69	651	1.07	0.002			23.3	0.063			31.26			0.02	1.26			
1303441	FT	2012-07-23	UTM83-8	7130851	597900	1355	WHI12000497	232	1.16	26.3	1.6	2	152.5		0.24	1.51	0.29	13.5	20	42.06	2.91	3.4				250	0.06	11.3	0.38	527	1.12	0.004			28.7	0.134			39.29			0.09	3.26			
1303442	FT	2012-07-23	UTM83-8	7130808	597909	1371	WHI12000497	495	1.32	27.2	1.5	1	162.8		0.23	2.77	0.88	12.5	22.5	28.56	3.04	3.7				324	0.05	14	1.01	1097	1.22	0.006			27.2	0.182			75.2			0.08	7.21			
1303443	FT	2012-07-23	UTM83-8	7130753	597897	1381	WHI12000497	301	1.14	23.9	1.2	2	141		0.19	4.85	0.74	9.1	17.9	19.48	2.76	3.2				241	0.04	10.4	2.12	1555	0.93	0.006			18.8	0.172			38.97			0.1	5.76			
1303445	FT	2012-07-24	UTM83-8	7130456	597699	1482	WHI12000497	104	1.26	13	1.5	0.5	183.7		0.26	1.39	0.66	13	23	28.17	3.06	4				100	0.05	14.9	0.29	858	1.15	0.003			25	0.117			38.13			0.09	1.4			
1303446	FT	2012-07-24	UTM83-8	7130500	597701	1471	WHI12000497	563	1.97	17.5	3	4	186		0.24	2.33	1.58	13.1	26	31.76	3.07	4.9				377	0.08	22.3	0.71	1195	1.01	0.004			33.6	0.227			78.62			0.11	1.02			
1303447	FT	2012-07-24	UTM83-8	7130651	597699	1430	WHI12000497	1411	0.66	109.2	3.4	4	226.4		0.21	6.27	0.78	11.9	9.9	35.96	12.94	3				450	0.06	9.6	3.01	10000	1.44	0.007			26.1	0.118			63.77			0.02	8.05			
1303448	FT	2012-07-24	UTM83-8	7130700	597700	1412	WHI12000497	125	1.12	10	0.6	4	100.8		0.18	7.17	1.33	9.4	18	19.15	4.12	3.5				67	0.09	12.8	4.22	2077	1.23	0.007			19.5	0.123			143.16			0.05	0.3			
1303449	FT	2012-07-24	UTM83-8	7130752	597698	1401	WHI12000497	114	1.73	12.8	0.8	1	154.7		0.23	0.86	0.69	10.7	25.8	13.89	3.18	5.8				66	0.04	12.1	0.53	1094	1.13	0.002			23.8	0.06										

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303420	2.6	0.2		10.5		0.03	1.8	0.01	0.23	0.9	43	0.1			125.6	
1303421	4.4	0.3		15.9		0.03	2.7	0.008	0.21	1.3	42	0.2			79.7	
1303422	5.3	0.3		15.7		0.04	2.3	0.009	0.26	1.4	40	0.1			116.1	
1303423	2.3	0.05		1.1		0.01	3.5	0.001	0.11	0.3	17	0.05			25.8	
1303424	4.9	0.1		12		0.03	2.8	0.007	0.24	0.7	33	0.2			98.8	
1303425	5.9	0.1		18.3		0.01	3.4	0.009	0.13	0.6	25	0.1			70.1	
1303426	2.3	0.3		17.6		0.05	1.3	0.011	0.14	1.3	41	0.1			120.5	
1303427	5.2	0.4		17.1		0.04	4.2	0.017	0.21	1	39	0.2			85.7	
1303428	1.5	0.2		52.7		0.01	0.5	0.001	0.14	1.1	14	0.05			8.2	
1303429	3.9	0.3		18.7		0.07	1.9	0.01	0.15	0.9	37	0.1			123.8	
1303430	2.9	0.4		14.2		0.04	1.3	0.013	0.18	1	41	0.2			194	
1303431	2.9	0.1		12.7		0.04	2.2	0.011	0.14	1	42	0.2			93.3	
1303432	3	0.1		15		0.03	1.4	0.01	0.16	1.1	37	0.1			118.7	
1303433	3.5	0.5		14.9		0.01	2.4	0.01	0.15	1.1	36	0.1			120.7	
1303434	2.7	0.3		9.2		0.04	1.7	0.016	0.14	1.1	52	0.2			93.7	
1303435	4.7	0.4		11.8		0.05	3.2	0.009	0.39	1.3	40	0.2			259.1	
1303436	4.4	0.3		19.3		0.05	2.9	0.017	0.17	1.2	36	0.2			132.5	
1303437	4.6	0.2		15.6		0.04	4.8	0.013	0.15	0.8	36	0.1			124	
1303438	3.8	0.7		28.1		0.04	1.4	0.01	0.28	1.5	35	0.1			127	
1303439	2.1	0.3		15.9		0.01	0.7	0.005	0.22	1.9	23	0.05			69.3	
1303440	4.8	0.2		15.3		0.01	2.8	0.004	0.17	1.2	43	0.1			70.3	
1303441	2.8	0.6		36.6		0.05	1.1	0.006	0.38	5.4	30	0.05			167.2	
1303442	2.6	0.7		61.8		0.03	1.1	0.01	0.27	2.7	37	0.1			227.1	
1303443	1.4	0.4		40.7		0.04	0.5	0.01	0.16	2.1	34	0.1			150.3	
1303445	2.5	0.4		48.5		0.07	0.8	0.01	0.16	1	39	0.1			136.8	
1303446	2.9	0.9		32.5		0.05	0.9	0.009	0.46	1.4	41	0.1			331.2	
1303447	4.1	0.6		82.7		0.06	2.6	0.01	0.6	1.1	11	0.1			165.3	
1303448	2.8	0.3		25.4		0.01	1.4	0.006	1.08	1.8	21	0.05			889.7	
1303449	2.2	0.1		12.1		0.01	0.9	0.018	0.2	1.2	49	0.2			109.7	
1303450	3.5	0.3		24.5		0.07	2.1	0.023	0.19	1.1	46	0.3			102.2	
1303501	4.4	0.3		24.5		0.02	3.2	0.003	0.03	0.4	13	0.05			75.6	
1303502	4.1	0.2		9.8		0.08	6	0.011	0.63	1	15	0.2			85.8	
1303503	2.8	0.3		10.3		0.05	2.8	0.007	0.18	0.9	15	0.2			65.9	
1303504	2.6	0.2		9.8		0.03	1.7	0.006	0.15	1.1	21	0.3			51	
1303505	4.1	0.05		3.5		0.08	4.2	0.009	0.09	1.4	19	0.5			46.7	
1303506	2.2	0.2		4.5		0.08	0.9	0.009	0.13	0.9	34	0.3			48.2	
1303507	4.1	0.5		6		0.08	2.7	0.009	0.16	1.2	30	0.2			73.3	
1303508	3.1	0.2		6.3		0.06	2.8	0.011	0.15	1	37	0.2			89.5	
1303509	3.9	0.2		7.6		0.07	2.9	0.009	0.13	1.3	36	0.3			79.1	
1303510	3	0.4		6.2		0.06	2.8	0.014	0.17	0.7	45	0.2			82.3	
1303511	5.4	0.3		13		0.04	5.2	0.014	0.13	1.1	30	0.2			118.8	
1303512	4.3	0.3		10.1		0.03	3.4	0.01	0.19	0.9	39	0.2			193.6	
1303513	4	0.4		10.5		0.04	3.1	0.015	0.15	1	43	0.2			107.2	
1303514	6.5	0.4		8.2		0.03	4.2	0.006	0.39	1.5	34	0.2			409.2	
1303515	3.8	0.5		5.8		0.07	3.1	0.009	0.19	0.7	39	0.1			97.5	
1303516	4.1	0.2		8		0.04	4.1	0.012	0.37	1	52	0.3			207.1	
1303517	5.5	0.1		8.2		0.03	3.6	0.004	0.25	1	39	0.2			195.3	
1303518	3.9	0.1		6.1		0.01	3.6	0.004	0.14	0.4	26	0.05			108	
1303519	2.7	0.05		6.1		0.01	3	0.004	0.17	0.7	39	0.1			69.3	
1303520	5.7	0.05		11.1		0.04	2.8	0.005	0.27	1.4	43	0.2			297.9	
1303521	6.1	0.2		2.8		0.05	4.4	0.003	0.18	1.5	21	0.05			170.7	
1303522	2.9	0.4		28		0.04	1.1	0.009	0.67	1.1	40	0.1			985.6	
1303523	2.2	0.7		33.1		0.01	1.4	0.004	2.86	1.4	18	0.05			2600.3	
1303524	2.6	0.6		25.4		0.03	1.4	0.005	4.22	1.4	23	0.05			2974.8	
1303525	2.9	0.5		22.1		0.02	1.3	0.004	2.01	1.6	29	0.05			2321.4	
1303526	2.9	0.4		29.1		0.02	1.6	0.004	2.07	1.5	19	0.05			2262.1	
1303527	3.6	0.3		40.9		0.04	2.1	0.004	0.45	1.5	24	0.1			531	
1303528	2.4	0.5		31.4		0.01	1.1	0.008	9.35	2.5	27	0.1			954.1	
1303529	3.5	0.4		28.5		0.02	2	0.004	0.24	1	25	0.05			205.6	
1303530	4.1	0.5		188.2		0.01	2.3	0.009	0.46	5.3	41	0.05			295	
1303531	6.6	0.4		31.7		0.01	7.1	0.008	0.22	2.4	73	0.05			67.9	
1303532	5.1	0.1		22.6		0.02	4.7	0.006	0.13	0.7	26	0.1			100.4	
1303533	5.7	0.1		22.6		0.03	4.2	0.004	0.13	0.7	29	0.1			120.8	
1303534	5.6	0.1		31.7		0.03	3.7	0.004	0.13	0.7	25	0.1			118.1	
1303535	4.8	0.5		136.7		0.03	3.1	0.003	0.4	1.1	26	0.05			65	
1303536	4.9	0.3		31.9		0.01	1.7	0.004	0.18	1.5	31	0.05			107.1	
1303537	5.2	0.3		22.7		0.02	2.5	0.004	0.2	2.5	35	0.1			124.9	
1303538	3.5	0.05		12.1		0.06	1.9	0.005	0.24	0.7	40	0.1			153.2	
1303539	4.3	0.2		16.2		0.04	1.9	0.005	0.34	1.1	37	0.1			423	
1303540	3.7	0.2		12.8		0.04	2.2	0.006	0.25	0.9	41	0.1			225.2	
1303541	3	0.4		29.4		0.04	1.7	0.007	0.34	1.3	31	0.1			609.1	
1303542	2.1	0.6		43.4		0.03	1.5	0.005	1.4	1.5	20	0.05			1223	
1303543	3.1	0.4		24.2		0.02	1.4	0.006	0.74	0.9	30	0.05			537.7	
1303544	2.3	0.4		36.1		0.01	1.2	0.006	0.54	1.6	24	0.05			795.7	
1303545	2.2	0.4		34.1		0.03	1	0.007	0.49	1.4	26	0.1			650.8	
1303546	2	0.4		25.4		0.01	0.7	0.007	0.77	2	29	0.1			578.3	
1303547	1.8	0.6		30.2		0.02	0.7	0.005	0.98	2.2	24	0.1			2936.7	
1303548	0.9	0.7		46		0.04	0.4	0.003	1.28	3.8	14	0.05			3415.2	
1303549	2.6	0.5		34.1		0.01	1.8	0.001	0.39	1.9	12	0.05			1002.6	
1303550	2.1	0.5		25.7		0.02	1.9	0.0005	0.36	1.3	11	0.05			284.5	
1303551	4.1	0.9		90.6		0.07	2.5	0.001	0.17	1	14	0.05			128	
1303552	4.9	0.2		46.9		0.05	3.1	0.01	0.14	0.6	35	0.1			101.4	
1303553	2.9	0.5		91.3		0.01	1.3	0.004	0.16	4.7	23	0.05			166.1	
1303554	4.6	1.4		60.9		0.02	2.1	0.003	0.13	3.2	27	0.05			118.5	
1303555	4.2	0.7		51.9		0.03	2	0.002	0.11	1.1	28	0.05			113.8	
1303556	3.9	1.2		61.3		0.03	1.6	0.003	0.11	2.2	27	0.05			113.8	
1303557	3.2	0.2		5.5		0.06	2.1	0.004	0.2	0.8	37	0.05			86.9	
1303558	3	0.1		5.2		0.05	3.1	0.004	0.18	0.6	39	0.1			89.2	
1303559	4.6	0.05		33		0.01	3.9	0.002	0.13	1.9	23	0.05			102	
1303560	5.2	0.1		21.5		0.01	5.2	0.007	0.2	0.9	24	0.05			125	
1303561	6.8	0.05		11		0.03	4.9	0.005	0.32	1	27	0.05			135.1	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303562	JPL	2012-06-29	UTM83-8	7124702	600300	1203	WH112000252	70	1.23	7.2	4.3	4	115.7		0.18	4.69	1.12	10	19.4	14.02	2.79	3.4	84	0.14	8.3	2.47	1306	1.06	0.007	19.8	0.113	303.57	0.04	0.36												
1303563	JPL	2012-06-29	UTM83-8	7124695	600351	1175	WH112000252	62	0.89	6	0.7	4	91.2		0.13	8.25	0.54	8.5	13.7	16.07	2.05	2.4	70	0.15	5.3	4.27	750	0.77	0.008	16.5	0.122	148.39	0.04	0.26												
1303564	JPL	2012-06-29	UTM83-8	7124706	600395	1166	WH112000252	140	1.35	9.3	1.6	3	119.4		0.17	4.56	2.12	8.8	22.4	13.44	3.59	3.6	73	0.1	9.8	2.66	1398	1.2	0.006	19.9	0.079	339.13	0.03	0.45												
1303565	JPL	2012-06-29	UTM83-8	7124701	600450	1147	WH112000252	111	0.66	7	0.8	4	43.9		0.06	13.46	13.76	4.7	10.3	7.09	4.31	1.8	86	0.04	5.7	7.07	3719	1.43	0.013	8.4	0.12	1837.3	0.04	0.26												
1303566	JPL	2012-06-29	UTM83-8	7124702	600517	1112	WH112000252	173	1.28	11.9	1.8	3	117.8		0.16	4.27	6.6	8.9	22.3	11.95	3.13	3.7	94	0.07	11.2	2.57	1322	1.47	0.012	21.1	0.075	590.89	0.03	0.58												
1303567	JPL	2012-06-29	UTM83-8	7124702	600553	1108	WH112000252	127	1.3	8.8	1.6	4	112.7		0.19	3.95	3.24	10.7	21.8	18.03	2.83	3.5	71	0.1	10.2	2.15	877	0.98	0.008	23.5	0.082	204.6	0.04	0.46												
1303568	JPL	2012-06-29	UTM83-8	7124704	600600	1074	WH112000252	126	1.15	8	1	4	132.5		0.17	4.6	1.41	10.8	18.4	21.68	2.77	3.3	78	0.1	9.1	2.4	1095	0.88	0.007	20.9	0.083	133.38	0.04	0.45												
1303569	JPL	2012-06-29	UTM83-8	7124704	600650	1067	WH112000252	43	0.94	5.8	0.8	3	115.2		0.19	7	0.52	12	15.5	22.96	2.51	2.9	40	0.12	5.8	3.89	1075	0.7	0.007	20	0.057	125.48	0.02	0.23												
1303570	JPL	2012-06-29	UTM83-8	7124695	600700	1074	WH112000252	190	1.16	8.1	0.9	4	129.5		0.26	2.05	0.2	13.4	18.1	23.71	2.97	3.2	87	0.09	7.8	0.32	452	0.6	0.004	24.9	0.07	38.43	0.08	0.48												
1303571	JPL	2012-06-29	UTM83-8	7124700	600798	1128	WH112000252	178	0.74	6.6	0.8	4	102		0.24	2.09	0.17	9.9	14.9	20.42	2.52	2.1	77	0.09	7.8	0.18	422	0.4	0.003	21.3	0.079	22.61	0.06	0.34												
1303572	JPL	2012-06-29	UTM83-8	7124699	600853	1152	WH112000252	128	0.82	7	0.7	4	94.5		0.22	2.18	0.17	9.8	15.9	20.96	2.49	2.2	67	0.07	6.9	0.18	419	0.6	0.003	22.5	0.054	22.08	0.07	0.35												
1303573	JPL	2012-06-29	UTM83-8	7124702	600949	1199	WH112000252	239	0.73	7.7	2.5	4	92.6		0.17	2.43	0.39	8.2	12.3	16.89	1.98	2.1	125	0.09	9.2	0.33	269	1.09	0.004	16.8	0.068	21.41	0.09	0.35												
1303574	JPL	2012-06-29	UTM83-8	7124703	601003	1224	WH112000252	413	0.73	12.4	5.2	4	55.9		0.1	10.59	0.44	7.3	10.4	18.25	1.64	1.7	124	0.14	13.6	2.02	178	2.3	0.007	17.9	0.086	15.65	0.04	0.41												
1303575	JPL	2012-06-29	UTM83-8	7124701	601067	1253	WH112000252	448	0.86	9.8	4.9	5	85.6		0.1	7.01	0.66	7.9	14.1	18.93	1.75	2.3	122	0.17	14.8	1.55	221	1.64	0.005	19.1	0.082	16.43	0.07	0.4												
1303576	JPL	2012-06-29	UTM83-8	7124697	601099	1270	WH112000252	94	0.79	4.4	4.8	5	57.4		0.08	9	0.77	7.4	13.4	17.42	1.55	2.2	63	0.19	12.3	2.41	218	0.79	0.007	15.3	0.069	14.31	0.06	0.3												
1303577	JPL	2012-06-29	UTM83-8	7124698	601158	1297	WH112000252	237	0.91	6.4	5.7	6	68.3		0.09	10.18	0.38	7.1	17.5	16.21	1.47	2.8	75	0.17	13	1.34	223	0.81	0.004	15.3	0.062	12.48	0.06	0.31												
1303578	JPL	2012-06-29	UTM83-8	7124706	601198	1311	WH112000252	310	1.22	8.2	3.3	7	195.5		0.12	1.5	0.32	8.5	25.8	17.65	2	3.9	147	0.2	20.4	0.83	272	1.09	0.002	19.5	0.066	15.23	0.08	0.34												
1303579	JPL	2012-06-29	UTM83-8	7124699	601253	1324	WH112000252	675	2.16	12.5	5.8	6	125.3		0.13	0.76	0.17	10.2	41.4	22.9	2.83	6.5	180	0.21	21.9	2.08	353	1.12	0.002	25.6	0.052	14.26	0.04	0.47												
1303580	JPL	2012-06-29	UTM83-8	7124701	601298	1328	WH112000252	170	1.77	9.4	1.7	2	200.7		0.17	1.88	0.46	9.6	29.1	19.6	2.54	5.3	65	0.11	14.7	0.63	459	0.93	0.002	22.9	0.121	15.91	0.08	0.49												
1303581	JPL	2012-06-29	UTM83-8	7124700	601354	1332	WH112000252	112	1.44	11	2.3	3	158.7		0.26	0.56	0.29	12.2	23.1	24.36	3.27	3.9	80	0.1	16.3	0.52	654	0.93	0.002	27.1	0.062	19.23	0.03	0.51												
1303582	JPL	2012-06-29	UTM83-8	7124702	601401	1337	WH112000252	144	1.5	14.6	3	2	142.9		0.21	1.15	0.75	8.7	27.7	20.1	2.51	4.6	89	0.09	15.4	0.81	404	1.01	0.001	23.7	0.076	17.04	0.06	0.51												
1303583	JPL	2012-06-29	UTM83-8	7124700	601453	1340	WH112000252	39	1.75	9.9	1.3	3	173.8		0.26	0.28	0.2	12.1	24.2	21.88	3.46	5.1	26	0.11	9.9	0.54	519	1.06	0.005	26.8	0.04	19.54	0.01	0.55												
1303584	JPL	2012-06-30	UTM83-8	7125102	600648	1085	WH112000252	62	0.78	6.2	0.7	4	87.5		0.18	6.87	2.31	10.8	13.5	17.08	2.74	2	82	0.11	5.4	3.44	1035	0.96	0.006	20.2	0.05	492.5	0.09	0.22												
1303585	JPL	2012-06-30	UTM83-8	7125102	600596	1098	WH112000252	70	0.72	5.9	0.3	3	65.8		0.16	6.41	2.4	9.1	12	15.1	2.52	1.9	93	0.11	4.9	3.55	884	0.93	0.005	17.8	0.047	412.4	0.06	0.22												
1303586	JPL	2012-06-30	UTM83-8	7125091	600543	1108	WH112000252	412	0.35	15.4	0.9	2	38.7		0.07	12.94	17.25	4.8	6.4	10.63	5.51	1.3	465	0.06	3.6	7.58	1621	2.5	0.009	10.3	0.067	669.65	0.18	1.09												
1303587	JPL	2012-06-30	UTM83-8	7125098	600501	1131	WH112000252	38	0.08	2.6	0.4	1	11.7		0.01	15.33	4.23	1.2	1.9	1.28	0.81	0.3	137	0.01	0.7	9.08	731	0.51	0.006	1.8	0.033	128.11	0.03	0.17												
1303588	JPL	2012-06-30	UTM83-8	7125116	600456	1138	WH112000252	89	0.07	6.2	0.1	1	18.1		0.01	16.43	5.04	1.5	1.6	2.09	2.03	0.4	135	0.02	1.3	9.88	1152	1.07	0.007	2.1	0.036	754.06	0.1	0.23												
1303589	JPL	2012-06-30	UTM83-8	7125102	600346	1169	WH112000252	76	1.11	8.2	0.6	4	130.1		0.26	2.8	0.74	16.2	19	31.38	3.36	3.2	38	0.15	6.7	1.49	971	1.17	0.004	30.4	0.054	170.79	0.04	0.29												
1303590	JPL	2012-06-30	UTM83-8	7125100	600302	1188	WH112000252	76	0.78	10.4	0.6	3	68		0.12	9.12	1.27	5.1	12.5	7.13	2.15	1.9	77	0.07	8.4	4.91	856	1.42	0.009	10.1	0.104	94.98	0.03	0.31												
1303591	JPL	2012-06-30	UTM83-8	7125092	600252	1219	WH112000252	132	1.19	13.5	0.8	4	108.9		0.12	6.71	2.28	6.7	15.9	8.62	4.69	2.8	185	0.06	8.2	3.65	3820	2.3	0.005	16.2	0.105	288.42	0.04	0.34												
1303592	JPL	2012-06-30	UTM83-8	7125102	600149	1286	WH112000252	158	0.73	5.8	0.5	3	36.8		0.08	10.74	8.27	4.7	8.9	6.23	3.45	1.8	128	0.04	4.1	6.2	1825	0.93	0.008	9.1	0.108	4142.2	0.04	0.25												
1303593	JPL	2012-06-30	UTM83-8	7125104	600111	1314	WH112000252	88	1.39	9.3	0.3	3	117.5		0.16	3.79	3.16	6.9	19.9	9.46	3.05	3.7	85	0.05	7.7	2.04	1907	1.3	0.004	14.7	0.139	562.07	0.06	0.39												
1303594	JPL	2012-06-30	UTM83-8	7125096	600058	1341	WH112000252	37	0.33	7.2	0.1	3	53.9		0.05	13.19	1.34	2.9	5.8	4.4	2.22	0.9	112	0.05																						

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303562	3.4	0.4	26.1		0.04	1.9	0.006	0.31	0.8	29	0.1				491.4	
1303563	3	0.2	35.7		0.02	1.6	0.002	0.29	0.9	19	0.05				246.7	
1303564	3.7	0.3	23.3		0.04	2.2	0.008	1.38	0.9	34	0.1				960.3	
1303565	1.1	0.6	45.5		0.04	0.4	0.005	1.29	1.8	17	0.05				5147.5	
1303566	3.2	0.5	22		0.05	2	0.014	0.63	1.9	38	0.2				3846.3	
1303567	3.4	0.4	37.5		0.03	1.9	0.007	0.88	1.2	33	0.05				2266.6	
1303568	3.7	0.5	40		0.02	1.9	0.004	0.34	1.1	28	0.05				1332.8	
1303569	3.6	0.2	33		0.01	2.9	0.003	0.27	0.7	18	0.05				232	
1303570	3.8	0.6	92.7		0.04	1.2	0.002	0.15	2.8	23	0.05				131.6	
1303571	4.3	0.5	113.1		0.03	2.2	0.0005	0.13	1.6	18	0.05				86.5	
1303572	3.5	0.5	88		0.01	1.7	0.0005	0.12	1.6	19	0.05				83.3	
1303573	2.6	0.7	91.9		0.05	1.1	0.001	0.17	5.9	15	0.05				144.3	
1303574	2.9	0.7	283		0.01	1.9	0.001	0.22	6.1	14	0.05				84	
1303575	2.4	0.7	187.1		0.01	1.1	0.002	0.28	2.3	16	0.05				105.7	
1303576	2.3	0.7	210.3		0.01	1.4	0.002	0.16	3	15	0.05				113.2	
1303577	2	0.8	328.8		0.01	1	0.003	0.12	5.4	22	0.05				62.6	
1303578	2.5	0.8	64.3		0.01	1	0.004	0.17	4.8	31	0.05				68.9	
1303579	7.5	1.1	44.1		0.01	4	0.008	0.2	1.9	52	0.05				80	
1303580	2.5	0.7	79.7		0.02	1.3	0.005	0.15	3.7	42	0.05				88.4	
1303581	4.4	0.2	42.9		0.03	2.5	0.005	0.12	3.7	33	0.05				95.4	
1303582	3.2	0.4	65.2		0.04	1.2	0.006	0.13	8.5	36	0.05				133.8	
1303583	3.3	0.1	15.8		0.03	2.5	0.004	0.14	1.1	40	0.05				92.3	
1303584	3.5	0.1	66		0.03	2.1	0.003	0.46	0.7	12	0.05				831	
1303585	3.1	0.1	38.5		0.03	1.7	0.003	0.44	0.8	11	0.05				766.5	
1303586	1.7	0.5	103.9		0.01	1.1	0.003	3.75	1.7	7	0.05				6517.4	
1303587	0.3	0.3	63.1		0.01	0.1	0.001	0.76	0.5	1	0.05				791.3	
1303588	0.4	0.2	89.6		0.01	0.2	0.001	2.34	0.7	1	0.05				1956.2	
1303589	5.1	0.1	58		0.01	3.3	0.004	0.33	0.7	19	0.05				445.6	
1303590	3	0.3	31.9		0.05	1.2	0.005	0.49	0.8	20	0.05				582.2	
1303591	2.5	0.5	27.6		0.04	1	0.007	0.62	1.9	25	0.05				1499.7	
1303592	1.3	0.3	30.7		0.01	0.5	0.006	0.48	1.1	14	0.05				3449.9	
1303593	1.7	0.4	17.5		0.03	0.5	0.008	0.34	0.9	32	0.1				1011.1	
1303594	0.7	0.3	39.2		0.03	0.3	0.002	0.48	1.3	8	0.05				578.9	
1303595	3.9	0.3	13.4		0.03	2.1	0.005	0.16	1.1	26	0.05				150.1	
1303596	3.8	0.2	6.5		0.04	2.2	0.005	0.19	0.7	26	0.1				99.7	
1303597	1.8	0.1	10.6		0.03	0.8	0.007	0.14	0.7	24	0.1				148	
1303598	6.9	0.1	10.5		0.02	3.5	0.006	0.14	1	27	0.2				92.7	
1303599	4.8	0.3	5.5		0.01	3.2	0.005	0.17	0.8	29	0.1				92.5	
1303600	3.4	0.2	5.5		0.03	3.3	0.01	0.18	0.6	42	0.2				115.7	
1303601	3.1	0.1	4.6		0.04	3.4	0.008	0.2	0.5	38	0.05				77.3	
1303602	3.8	0.05	3.8		0.04	3.9	0.013	0.18	0.5	24	0.2				63.9	
1303603	3	0.1	4.6		0.03	3.7	0.008	0.18	0.6	36	0.1				103.4	
1303604	3.3	0.05	17.1		0.04	2	0.014	0.24	1.4	49	0.2				252.4	
1303605	2.9	0.3	11.2		0.05	1	0.011	0.3	1.4	47	0.1				283	
1303606	0.8	0.2	43.3		0.01	0.4	0.004	0.21	0.6	7	0.05				500.9	
1303607	1.4	1.4	31.7		0.02	1	0.003	14.43	2	5	0.05	4.66			10000	
1303608	3.9	0.1	23.9		0.02	2	0.004	0.3	0.9	18	0.05				455.3	
1303609	3.6	0.6	53.6		0.02	1.2	0.006	0.14	4.2	32	0.05				120.7	
1303610	4	0.7	57.2		0.04	1	0.005	0.15	4.8	34	0.05				106.1	
1303611	3.9	0.6	63.4		0.03	1.1	0.005	0.17	4.4	33	0.05				115.7	
1303612	3.8	0.6	61.1		0.02	1.2	0.004	0.15	3.9	36	0.05				111.1	
1303613	4.7	0.2	41		0.03	2.1	0.006	0.12	2.5	35	0.05				87.2	
1303614	2	0.9	95.9		0.02	0.6	0.006	0.13	11.9	31	0.05				99.6	
1303615	3.4	0.6	47.5		0.02	1.2	0.008	0.16	5.9	29	0.05				85	
1303616	4.6	0.9	40.9		0.01	3.4	0.009	0.26	3.4	28	0.05				63.8	
1303617	3.4	1.3	61.1		0.01	1.5	0.005	0.38	9	24	0.05				91.3	
1303618	3.9	0.9	35.9		0.06	1.7	0.003	0.22	6.4	27	0.05				118.6	
1303619	5.6	0.3	17.5		0.06	4.2	0.004	0.18	1	39	0.05				114.8	
1303620	3.5	0.4	50.7		0.07	1.6	0.003	0.21	1.8	35	0.05				136.1	
1303621	5.9	0.4	7		0.02	4.9	0.002	0.19	0.8	42	0.05				111.7	
1303622	3.3	0.2	12.1		0.04	1.4	0.015	1.2	1.6	55	0.2				195.2	
1303623	3.7	0.3	11		0.04	0.9	0.013	0.29	1.8	59	0.2				345.6	
1303624	3.6	0.1	18.5		0.05	1.1	0.01	0.2	1.5	50	0.1				156.5	
1303625	4.9	0.1	14.3		0.06	3.4	0.002	0.26	1.1	38	0.05				270.4	
1303626	1.6	0.4	36.5		0.01	0.7	0.005	0.65	2.3	13	0.05				954.6	
1303627	3.1	0.5	20.4		0.04	1	0.006	0.85	2.4	33	0.05				758.1	
1303628	3.1	0.3	23.8		0.03	1.1	0.006	0.46	1.6	34	0.1				848.2	
1303629	3.7	0.3	36.4		0.01	1.8	0.005	0.31	1.1	30	0.05				451.8	
1303630	3.5	0.3	32.9		0.02	1.5	0.006	0.38	0.9	29	0.05				491.1	
1303631	3.1	0.05	27.4		0.01	2.2	0.004	0.21	0.8	20	0.05				751.5	
1303632	2.8	0.2	26.9		0.04	1.2	0.007	0.43	0.8	27	0.05				1319.3	
1303633	3.7	0.05	5.6		0.08	3.1	0.003	0.15	0.4	19	0.05				49.9	
1303634	5.2	0.05	12.3		0.04	3.9	0.006	0.24	0.9	36	0.1				223.6	
1303635	5.1	0.05	24.1		0.03	3.5	0.007	0.16	0.5	33	0.1				174	
1303636	3.5	0.1	166.6		0.01	1	0.0005	0.57	0.6	14	0.05				40.3	
1303637	4.7	0.05	12.9		0.09	2.3	0.002	0.3	0.6	11	0.05				58.7	
1303638	19.2	0.05	26.7		0.1	5.6	0.008	0.18	2.6	42	0.3				165.7	
1303639	5.1	0.2	8.8		0.07	2.7	0.003	0.21	1	33	0.05				93.9	
1303640	5.6	0.05	10.9		0.04	2.5	0.002	0.23	0.7	33	0.05				98.2	
1303641	1.8	0.3	5.8		0.07	1	0.016	0.17	0.6	41	0.1				70	
1303642	2.5	0.1	16.5		0.04	1.2	0.005	0.2	0.5	40	0.1				105.5	
1303643	3.5	0.2	46.6		0.04	1.3	0.005	0.15	0.7	32	0.05				76.8	
1303644	3.2	0.3	31.7		0.01	2.3	0.005	0.57	0.8	16	0.05				1806.2	
1303645	2.7	0.2	10.9		0.05	1.3	0.004	0.45	0.8	36	0.1				873.4	
1303646	3.2	0.2	15.7		0.02	0.9	0.007	0.51	1.1	40	0.05				1552.6	
1303647	3.4	0.2	11.3		0.04	1.5	0.018	0.29	0.7	63	0.2				461.4	
1303648	5.6	0.3	13.9		0.04	2.5	0.006	0.37	1	36	0.1				563.1	
1303649	4.5	0.2	16.2		0.05	3.6	0.014	0.23	1.3	47	0.2				276.8	
1303650	2.8	0.6	17.4		0.05	1.7	0.018	0.31	1	45	0.2				7668.1	
1303651	1.9	0.6	13.2		0.06	0.6	0.017	0.2	1.5	51	0.1				2795	
1303652	2.8	0.4	9.3		0.06	2.3	0.021	0.19	0.8	56	0.3				134.8	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303653	JPL	2012-07-02	UTM83-8	7122103	600449	1264	WH112000254	27	2.02	9.4	1.3	0.5	92		0.23	0.27	0.63	10.8	26.9		14.95	3.11	5.1			55	0.05	9.8		0.52	452	1.06	0.002		24.9	0.021		161.26				0.01	0.55			
1303654	JPL	2012-07-02	UTM83-8	7122103	600550	1204	WH112000254	235	0.46	7.1	1.1	2	82.3		0.36	0.41	0.25	15.8	9.5		34.15	4.24	1.4			85	0.12	6.9		0.23	610	0.97	0.003		42.9	0.026		54.39				0.05	0.29			
1303655	JPL	2012-07-02	UTM83-8	7122103	600598	1180	WH112000254	172	0.77	7.7	1	5	100.6		0.3	0.98	0.4	8.4	14.2		23.2	3.19	2.3			80	0.09	7.9		0.43	549	0.9	0.003		24	0.053		54.8				0.05	0.33			
1303656	JPL	2012-07-02	UTM83-8	7122104	600648	1167	WH112000254	59	1.19	6.3	0.1	2	144.1		0.23	1.12	0.51	11.2	21.7		19.62	2.32	4.3			29	0.07	9		0.49	418	0.94	0.0005		18.6	0.041		21.13				0.04	0.33			
1303657	JPL	2012-07-02	UTM83-8	7122092	600701	1155	WH112000254	135	0.67	13	0.5	3	108.1		0.11	5.44	4.32	7	11.9		18.48	7.42	1.8			111	0.05	7.5		2.93	1777	2.99	0.005		15.4	0.101		254.78				0.06	0.32			
1303658	JPL	2012-07-02	UTM83-8	7122100	600754	1153	WH112000254	192	1.07	12.6	1.3	3	121.9		0.19	2.32	2.89	10.2	19.3		27.7	5.79	3			141	0.07	11		1.08	1103	2.22	0.005		24.6	0.099		177.31				0.07	0.47			
1303659	JPL	2012-07-02	UTM83-8	7122097	600798	1163	WH112000254	177	1.2	9.3	1.1	2	131.9		0.26	0.7	0.18	12.2	22.6		20.62	3.08	3.2			62	0.08	13.5		0.48	596	0.78	0.004		31.7	0.042		24.99				0.02	0.56			
1303660	JPL	2012-07-02	UTM83-8	7122100	600846	1178	WH112000254	117	0.93	10.3	0.1	4	89.4		0.37	5.75	0.52	9.8	18.6		14.28	2.87	2.4			197	0.07	14.8		2.54	838	0.73	0.013		20.5	0.084		48.32				0.06	0.37			
1303661	JPL	2012-07-02	UTM83-8	7122106	600901	1198	WH112000254	66	1.78	14.8	0.1	3	184		0.23	1.43	0.44	8.9	33.2		10.41	3.99	5			202	0.08	19.5		0.59	446	5.28	0.003		18.8	0.036		20.27				0.01	0.29			
1303662	JPL	2012-07-02	UTM83-8	7122100	600949	1196	WH112000254	24	1.99	7	1	1	104.9		0.21	0.14	0.06	12.6	29.3		16.75	2.95	5.6			12	0.1	13.6		0.74	322	0.62	0.002		30.9	0.017		16.47				0.01	0.29			
1303663	JPL	2012-07-02	UTM83-8	7122100	601004	1182	WH112000254	113	1.62	7.5	1.4	2	170.3		0.18	1.1	0.21	10.1	29.8		20.83	2.36	5.2			56	0.08	14.2		0.88	392	0.79	0.004		24.7	0.059		13.03				0.04	0.33			
1303664	JPL	2012-07-02	UTM83-8	7122104	601049	1160	WH112000254	91	1.79	6.1	2.4	3	125.2		0.17	1.25	0.39	9.5	33.7		25.66	2.38	5.6			48	0.09	18.9		1.22	341	0.52	0.003		23.9	0.048		12.39				0.04	0.31			
1303665	JPL	2012-07-02	UTM83-8	7122105	601099	1131	WH112000254	82	1.7	7.8	0.7	3	161.7		0.14	1.01	0.35	10	37.6		25.45	2.26	5.1			42	0.08	18.7		1.33	436	0.49	0.003		23.8	0.036		12.38				0.03	0.32			
1303666	JPL	2012-07-02	UTM83-8	7122099	601145	1100	WH112000254	25	2.12	2.6	0.1	2	309.1		0.18	0.68	0.23	12	45.2		18.59	2.65	6.6			25	0.09	21.4		0.96	503	0.74	0.003		26.9	0.034		15.38				0.01	0.23			
1303667	JPL	2012-07-02	UTM83-8	7122093	601201	1067	WH112000254	26	2.01	6.1	0.1	2	149.7		0.23	0.41	0.15	12.9	41.5		32.02	3.01	6			26	0.12	18.8		0.98	599	0.59	0.004		34.4	0.03		21.3				0.01	0.35			
1303668	JPL	2012-07-02	UTM83-8	7122098	601260	1032	WH112000254	142	1.6	4.5	0.1	0.5	61.4		0.3	0.12	0.08	12.3	25.7		37.07	4.3	4.9			28	0.09	3.9		0.38	316	0.88	0.002		29.1	0.056		19.11				0.03	0.63			
1303669	JPL	2012-07-02	UTM83-8	7122098	601303	1013	WH112000254	43	1.59	13.8	0.4	1	70.6		0.29	0.75	0.19	19.2	25.2		27.32	3.98	5.8			29	0.08	4.7		0.44	861	1.08	0.003		22	0.078		20.78				0.05	0.51			
1303670	JPL	2012-07-02	UTM83-8	7122103	601347	996	WH112000254	42	1.46	18	0.5	1	46.7		0.35	0.63	0.07	28	22.6		34.71	3.57	4.1			28	0.07	4.8		0.61	459	0.64	0.003		37	0.048		20.01				0.02	0.65			
1303671	JPL	2012-07-02	UTM83-8	7122100	601396	988	WH112000254	82	1.31	11.4	0.3	2	88.2		0.24	0.67	0.16	17.5	20.5		31.25	3.3	3.9			72	0.06	5.2		0.54	1007	0.83	0.003		33.3	0.043		19.38				0.03	0.38			
1303672	JPL	2012-07-02	UTM83-8	7122102	601457	985	WH112000254	143	1.24	9.2	1.8	6	228.7		0.21	1.57	0.49	24.1	19.4		50.29	3.3	3.7			124	0.07	6.8		0.49	5014	2.9	0.005		38.3	0.076		19.81				0.11	0.53			
1303673	JPL	2012-07-02	UTM83-8	7122097	601502	986	WH112000254	17	1.15	8.5	2	0.5	81		0.24	0.07	0.07	3.2	19.6		6.25	2.27	6.8			18	0.04	15.6		0.22	142	1.59	0.002		8	0.015		11.38				0.01	0.53			
1303674	JPL	2012-07-02	UTM83-8	7122099	601550	982	WH112000254	79	1.32	14.9	1.4	0.5	88.8		0.34	0.47	0.11	15.9	22.4		39.44	3.58	3.9			44	0.06	7.1		0.43	582	0.96	0.003		33	0.032		26.1				0.01	0.51			
1303675	JPL	2012-07-02	UTM83-8	7122102	601605	970	WH112000254	92	1.02	16.1	1.1	0.5	50.4		0.38	0.39	0.06	17.6	18.5		44.85	3.62	3			64	0.07	7.8		0.37	704	0.81	0.005		40.2	0.031		23.59				0.01	0.66			
1303676	JPL	2012-07-03	UTM83-8	7121301	599449	1084	WH112000254	72	0.82	7.3	1.8	2	94		0.14	7.6	1.53	10.6	15.2		21.85	3.03	2.2			74	0.1	6.9		4.34	1148	1.14	0.007		20.9	0.061		213.77				0.01	0.37			
1303677	JPL	2012-07-03	UTM83-8	7121302	599496	1108	WH112000254	88	0.9	8.9	4.3	6	87.8		0.21	8.03	1.91	7.7	14.2		13.41	3.03	2.4			60	0.08	9.1		4.82	1437	1.46	0.006		15.8	0.081		267.44				0.03	0.29			
1303678	JPL	2012-07-03	UTM83-8	7121299	599552	1130	WH112000254	84	1.19	8.7	0.6	3	154.8		0.17	4.38	2.28	9.2	19.2		14.19	3.32	3.3			169	0.1	9.5		2.62	993	1.35	0.005		19.6	0.072		653.08				0.03	0.35			
1303679	JPL	2012-07-03	UTM83-8	7121301	599599	1148	WH112000254	172	1.42	11	1.7	3	147.4		0.2	2.85	1.2	11.4	24.1		18.56	3.41	3.5			124	0.1	13.3		1.89	1057	1.34	0.005		27.5	0.072		248.98				0.03	0.54			
1303680	JPL	2012-07-03	UTM83-8	7121306	599649	1165	WH112000254	69	1.97	12.2	0.9	2	174.6		0.29	0.18	0.57	15.3	29.9		25.35	3.8	4.6			55	0.1	17.2		0.49	870	1.04	0.003		36.2	0.036		147.77				0.01	0.52			
1303681	JPL	2012-07-03	UTM83-8	7121299	599706	1178	WH112000254	111	0.23	4.1	0.1	6	61.9		0.12	14.13	0.26	3.8	7.4		5.4	1.39	0.6			34	0.05	5.3		8.3	2163	0.21	0.013		5.6	0.041		42.97				0.03	0.05			
1303682	JPL	2012-07-03																																												

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303653	3	0.2	6.9		0.03	4.1	0.005	0.21	0.6	44	0.1				190.2	
1303654	6	0.5	7.5		0.04	4.9	0.002	0.45	1	12	0.05				229.9	
1303655	3.8	0.4	11.5		0.02	2.3	0.004	0.29	1.8	17	0.05				308	
1303656	2.4	0.3	18.2		0.07	1.5	0.009	0.05	1.4	36	0.1				127.1	
1303657	1.9	0.6	24.1		0.04	1	0.006	3.19	1.9	18	0.05				3750.8	
1303658	3.1	0.8	75.8		0.06	1.3	0.009	1.75	2.1	28	0.1				1985.8	
1303659	3.6	0.4	30.6		0.04	2.8	0.008	0.15	1.1	30	0.1				84.8	
1303660	3	0.4	70.1		0.01	1.4	0.005	0.1	1.8	27	0.05				113.1	
1303661	4.6	0.2	54.6		0.09	3	0.01	0.3	1.8	51	0.1				173.8	
1303662	3	0.05	12.1		0.03	3.9	0.006	0.11	0.7	36	0.05				74.5	
1303663	3.5	0.5	50.3		0.04	2.1	0.013	0.1	3.3	38	0.1				60.3	
1303664	4.4	0.4	54.5		0.04	2	0.011	0.11	3.6	38	0.05				81.7	
1303665	4.5	0.7	41.9		0.03	3.3	0.008	0.11	1.7	33	0.05				77	
1303666	3.7	0.2	31.3		0.02	4.5	0.007	0.14	0.7	38	0.05				97.5	
1303667	7.7	0.2	18.3		0.03	6.1	0.007	0.12	0.8	33	0.05				95.8	
1303668	2.4	0.2	17.4		0.06	2	0.003	0.07	0.5	25	0.05				65.4	
1303669	2.3	0.2	32.3		0.06	1.3	0.005	0.08	0.5	33	0.05				93.2	
1303670	4.2	0.4	30.6		0.06	4	0.003	0.05	0.9	18	0.05				85.3	
1303671	4.7	0.7	34.8		0.04	2.9	0.002	0.07	4.2	17	0.05				85	
1303672	5.1	5.7	94.6		0.04	1.8	0.004	0.11	20.1	19	0.05				91.2	
1303673	1.8	0.2	8.4		0.05	3.8	0.049	0.14	0.5	64	0.2				33.5	
1303674	4	0.4	45.2		0.05	3.5	0.004	0.08	0.9	27	0.05				83.4	
1303675	5.5	0.6	48.7		0.06	3.7	0.002	0.07	3.5	17	0.05				81.4	
1303676	3.4	0.2	44.6		0.03	2.8	0.01	0.46	0.7	18	0.1				898.6	
1303677	3.7	0.7	36.8		0.01	2.7	0.006	0.65	1.3	20	0.05				856.3	
1303678	3.8	0.1	23.1		0.02	2.7	0.006	0.39	0.9	28	0.05				1244.3	
1303679	4.8	0.3	20.2		0.04	3.3	0.008	0.25	1	34	0.1				529.5	
1303680	6.9	0.2	13.3		0.06	6.4	0.004	0.21	1.4	38	0.05				279.1	
1303681	2.3	0.8	42.4		0.01	1.3	0.0005	0.23	0.4	7	0.05				94.6	
1303682	3.2	0.3	14.4		0.03	1	0.016	0.2	2.1	53	0.1				677.2	
1303683	3.4	0.7	33.2		0.03	1.6	0.004	0.34	2.3	22	0.05				950.6	
1303684	1.9	0.9	39.4		0.04	1.8	0.003	0.59	2.2	17	0.05				3301	
1303685	3	0.4	22.1		0.04	1.5	0.02	0.44	2.6	51	0.2		2.35		10000	
1303686	4.9	0.1	13.7		0.05	5.1	0.008	0.26	1.9	52	0.05				776.1	
1303687	4.9	0.3	14		0.04	7.2	0.004	0.19	1	20	0.05				187.1	
1303688	3.9	0.2	26.9		0.05	3.7	0.008	0.14	1.2	44	0.1				130.4	
1303689	1.8	0.05	8.4		0.04	3.7	0.016	0.1	0.5	41	0.2				108.2	
1303690	2.3	0.5	22.7		0.05	6.1	0.007	0.13	0.9	32	0.1				51.8	
1303691	7	0.5	291.8		0.07	5.2	0.001	0.11	1.8	25	0.05				76.8	
1303692	4.2	0.1	27.6		0.05	3.9	0.006	0.2	1.2	53	0.1				123	
1303693	6.8	0.4	72.4		0.09	6.5	0.003	0.24	3.2	34	0.05				385.9	
1303694	4.5	0.7	64.6		0.05	3	0.009	0.18	1.7	29	0.05				130.5	
1303695	5.2	0.6	34.3		0.05	4.2	0.005	0.13	2.3	35	0.05				58.2	
1303696	6.5	1.1	41.1		0.01	4.8	0.012	0.19	3.7	47	0.05				69.5	
1303697	7.2	0.4	33		0.01	6.7	0.012	0.15	2.7	53	0.05				85	
1303698	5.3	0.5	64.2		0.01	3	0.009	0.11	5.4	42	0.05				73.2	
1303699	8.2	0.5	41.8		0.03	6.3	0.005	0.14	1.4	36	0.05				95.1	
1303700	5.2	1.5	87.8		0.02	2.2	0.008	0.1	10.1	24	0.05				70.4	
1303701	5.8	0.7	52.3		0.01	3.3	0.005	0.1	6.4	25	0.05				80.8	
1303702	3.7	0.4	11		0.04	5.9	0.021	0.17	0.9	55	0.2				55.3	
1303703	5.5	0.3	10.4		0.05	6.6	0.004	0.14	0.8	36	0.05				94	
1303704	3.2	0.3	10.7		0.03	4	0.015	0.15	0.7	52	0.2				71.8	
1303705	5.1	0.6	34.1		0.03	4.4	0.013	0.14	1.6	41	0.1				84.2	
1303706	5.3	0.9	65.3		0.03	3.2	0.004	0.1	6.5	35	0.05				74.2	
1303707	3.3	0.3	40.7		0.03	1.9	0.005	0.11	3.1	25	0.05				63.1	
1303708	6.9	0.6	29.2		0.02	5	0.004	0.12	3.9	24	0.05				86.1	
1303709	1.6	0.4	10.6		0.01	0.9	0.006	0.14	1.4	28	0.05				98.4	
1303710	2	0.05	8.9		0.01	1	0.007	0.14	0.9	33	0.1				82.3	
1303711	3.5	0.2	11.2		0.03	2.9	0.01	0.17	1	38	0.2				186.6	
1303712	2.1	0.8	42.9		0.03	1	0.012	0.42	1.6	22	0.1				921.2	
1303713	1.8	0.6	45.7		0.02	0.9	0.006	0.62	1.8	24	0.05				335.7	
1303714	3.9	0.3	11.2		0.01	2.6	0.008	0.61	1.6	32	0.1				557.4	
1303715	0.9	0.5	16.5		0.04	0.4	0.005	0.42	1.5	19	0.05				757.2	
1303716	2.5	0.4	18.2		0.01	1.2	0.009	1.27	1.9	31	0.1				776.4	
1303717	3.7	0.4	11.3		0.05	2.3	0.008	1.28	1.6	30	0.05				805.9	
1303718	6.3	0.5	19.4		0.05	5.8	0.005	0.94	2.9	23	0.05				981.2	
1303719	4.2	0.6	19.2		0.05	2.5	0.012	0.34	2.7	34	0.1				351.6	
1303720	3.1	0.2	35		0.04	2.1	0.004	0.22	2.5	26	0.05				113.5	
1303721	3.1	0.3	44		0.01	2.1	0.005	0.24	3.2	21	0.05				165.1	
1303722	3.2	0.5	57.3		0.05	2	0.005	0.2	2.8	27	0.05				110.3	
1303723	3.9	0.5	30.3		0.02	2.3	0.004	0.15	2.4	28	0.05				108.7	
1303724	5.4	0.2	20.8		0.02	4.4	0.005	0.14	1	33	0.05				97.8	
1303725	5.4	0.4	49.6		0.03	6.2	0.005	0.09	1	29	0.05				80	
1303726	5	0.6	58.2		0.01	5.9	0.006	0.08	0.9	28	0.05				76.9	
1303727	4.8	0.3	19.6		0.02	3.6	0.005	0.1	1	29	0.05				91	
1303728	6	0.7	22.7		0.04	6.6	0.004	0.08	0.9	27	0.05				93.4	
1303729	5	0.7	43.4		0.01	6.5	0.005	0.07	0.8	22	0.05				81	
1303730	3.9	0.2	18.2		0.01	3.2	0.007	0.1	0.9	24	0.05				82.9	
1303731	6.2	0.2	20.7		0.01	8.8	0.005	0.07	0.8	17	0.05				89.3	
1303732	5.5	0.4	68.6		0.01	9	0.004	0.05	1.1	15	0.05				88.9	
1303733	5.8	0.1	36.5		0.03	10	0.004	0.06	1.1	16	0.05				96.6	
1303734	5.1	0.2	29.5		0.03	5.3	0.002	0.1	1.7	14	0.05				120.4	
1303735	4.1	0.7	46.4		0.04	3.5	0.001	0.15	1	6	0.05				111.7	
1303736	5.1	0.7	31.7		0.03	4	0.001	0.17	1	9	0.05				168	
1303737	4.1	1	45.6		0.03	4.1	0.003	0.17	1.5	17	0.05				90.2	
1303738	4.6	0.7	32		0.09	4.3	0.003	0.16	1.2	23	0.05				91.7	
1303739	6.5	1	39.6		0.04	4.8	0.002	0.32	1.1	15	0.05				85	
1303740	6.2	0.4	19.1		0.07	2.5	0.003	0.15	0.7	31	0.05				86.1	
1303741	5.1	0.3	8		0.06	1.3	0.005	0.17	0.5	39	0.05				85	
1303742	4.6	0.2	7.7		0.05	2.5	0.006	0.15	0.4	46	0.05				59.3	
1303743	7.9	0.6	20.7		0.06	4.3	0.001	0.24	0.6	19	0.05				103.9	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303744	JPL	2012-07-05	UTM83-8	7130151	596702	1436	WHI12000254	147	1.05	8	1.5	3	85.3		0.3	0.24	0.12		18.2	21.5		57.24	4.55	3.2			71	0.1	10.3		0.28	445	1.31	0.002		38.5	0.068					23.98		0.04	0.51	
1303745	JPL	2012-07-05	UTM83-8	7130203	596701	1436	WHI12000254	56	0.8	14.2	1.8	1	91.6		0.29	0.58	0.16		14.2	18.5		34.15	4.13	5.6			49	0.09	6.9		0.12	505	1.14	0.0005		19.7	0.045					17.71		0.03	0.59	
1303746	JPL	2012-07-05	UTM83-8	7130252	596701	1444	WHI12000254	40	1.18	19.6	1.1	3	101.9		0.31	0.17	0.21		17.3	25.1		34.55	4.22	5.5			28	0.11	9		0.2	787	1.15	0.001		23	0.053					24.92		0.03	0.58	
1303747	JPL	2012-07-05	UTM83-8	7130300	596703	1445	WHI12000254	470	1.54	56.5	1.7	2	163		0.23	1.31	3.42		16.2	27.2		32.21	3.78	3.9			270	0.07	12.4		0.31	665	1.16	0.0005		25.5	0.089					138.35		0.06	2.01	
1303748	JPL	2012-07-05	UTM83-8	7130367	596701	1437	WHI12000254	455	1.24	56.1	2.5	2	200.4		0.17	4.5	3.45		10.3	21.6		21.22	3.66	3.4			1558	0.06	9.5		2.58	2268	1.06	0.006		20.7	0.086					121.71		0.06	5.26	
1303749	JPL	2012-07-05	UTM83-8	7130397	596698	1432	WHI12000254	453	1.53	198.1	1.9	4	234.1		0.17	1.27	4.04		14.5	23.2		33.44	6.18	4			790	0.1	12		0.43	4090	1.17	0.001		24.1	0.132					142.28		0.14	20.19	
1303750	JPL	2012-07-05	UTM83-8	7130450	596702	1407	WHI12000254	226	0.39	44.8	1	3	72.5		0.16	13.13	0.82		12.6	9.4		33.23	2.76	1.2			342	0.1	9.8		0.65	456	0.61	0.005		19.4	0.075					92.78		0.05	1.59	
1303751	JPL	2012-07-05	UTM83-8	7130503	596702	1391	WHI12000254	302	0.74	21.3	2.6	7	132.9		0.25	1.75	0.67		14.6	13.3		38.65	3.18	2.2			313	0.11	11.5		0.26	455	0.78	0.005		25.7	0.099					76.42		0.09	1.16	
1303752	JPL	2012-07-05	UTM83-8	7130548	596702	1374	WHI12000254	320	0.79	31.9	1.1	3	113.3		0.12	6.05	1.01		8.9	13.2		16.39	2.3	2			237	0.05	7.7		3.32	1172	0.77	0.008		15	0.081					48.37		0.06	5.93	
1303753	JPL	2012-07-05	UTM83-8	7130605	596699	1354	WHI12000254	575	1.08	36.7	2.1	5	273.1		0.2	2.53	1.72		11.5	17.6		26.35	3.59	2.9			336	0.07	10.3		1.08	2540	1.91	0.008		20.4	0.145					74.63		0.13	8.96	
1303754	JPL	2012-07-05	UTM83-8	7130650	596706	1346	WHI12000254	572	0.95	43.8	2.2	6	258.8		0.18	2.34	1.59		9.8	16.9		28.76	2.9	2.8			449	0.08	8.6		0.45	1483	1.2	0.006		21.5	0.128					69.92		0.14	9.12	
1303755	JPL	2012-07-05	UTM83-8	7130698	596698	1346	WHI12000254	276	0.63	38	1	3	249.8		0.05	10.94	0.79		10.4	8		9.18	3.03	1.3			236	0.04	9.6		6.74	2696	0.64	0.011		7.2	0.107					31.08		0.03	6.54	
1303756	JPL	2012-07-05	UTM83-8	7130746	596702	1370	WHI12000254	238	0.23	27.9	1.4	3	212.6		0.02	13.02	0.61		3.2	4.3		7.87	1.24	0.6			136	0.04	2.4		6.21	1217	0.46	0.011		4.6	0.063					36.7		0.01	9.76	
1303757	JPL	2012-07-05	UTM83-8	7130801	596696	1376	WHI12000254	324	1.64	278.6	4.7	2	319.4		0.26	2.92	0.99		8.5	21.3		12.76	5.96	4.4			289	0.04	15.3		1.51	4980	1.23	0.002		17.1	0.142					77.65		0.06	26.19	
1303758	JPL	2012-07-05	UTM83-8	7130850	596695	1368	WHI12000254	2856	1.58	32.2	3.3	3	212.4		0.23	1	1.92		13.6	22.9		25.58	6.39	3.2			565	0.04	12.9		0.72	2882	2.13	0.004		27.7	0.042					100.5		0.03	14.92	
1303759	JPL	2012-07-05	UTM83-8	7130899	596699	1361	WHI12000254	468	1.24	25.1	2.3	4	260.2		0.19	3.57	1.44		8.6	20		15.94	4.6	3.7			227	0.06	10.7		1.82	2310	1.94	0.006		17.9	0.154					47.69		0.07	4.37	
1303760	JPL	2012-07-05	UTM83-8	7130950	596697	1346	WHI12000254	762	1.24	21.1	2.2	3	163.6		0.26	0.87	0.54		12.9	23.7		24.04	3.63	3.7			264	0.06	13.7		0.67	805	1.51	0.006		24.7	0.057					48.04		0.03	3.99	
1303761	JPL	2012-07-05	UTM83-8	7131002	596701	1352	WHI12000254	552	1.03	38	0.9	2	200.5		0.26	0.71	0.96		14.3	19.1		26.53	6.28	2.6			218	0.06	16.7		0.43	1979	1.88	0.001		24.7	0.086					96.07		0.02	5.77	
1303762	JPL	2012-07-05	UTM83-8	7131051	596697	1358	WHI12000254	151	1.12	20.6	1	2	141.1		0.27	0.72	0.41		11.8	18.1		16.67	4.64	3.2			94	0.05	11.3		0.5	1614	1.15	0.002		16.5	0.044					54.59		0.01	2.58	
1303763	JPL	2012-07-05	UTM83-8	7131102	596702	1365	WHI12000254	334	1.37	12.7	0.5	2	226.1		0.23	0.29	0.23		8.4	18.6		13.27	3.92	3.6			54	0.05	12.4		0.25	949	0.85	0.0005		13.5	0.057					39.5		0.02	1.26	
1303764	JPL	2012-07-05	UTM83-8	7131152	596704	1373	WHI12000254	140	1.6	13	0.9	3	210.2		0.25	1.41	0.19		9.1	25		12.4	3.39	5			39	0.05	13.4		1.02	875	0.89	0.004		17.2	0.063					27.68		0.03	1.04	
1303765	JPL	2012-07-05	UTM83-8	7131199	596699	1377	WHI12000254	245	1.5	18.1	1.1	2	254.6		0.23	0.42	0.43		9.4	25.7		16.41	4.65	3.7			106	0.05	16.3		0.38	1110	0.98	0.002		19.4	0.08					41.82		0.04	1.88	
1303766	JPL	2012-07-05	UTM83-8	7131249	596701	1380	WHI12000254	162	1.73	24.9	0.7	2	188.7		0.24	0.29	0.69		11	26		16.15	4.63	4.5			114	0.06	18.6		0.37	1158	1.18	0.003		20.6	0.05					47.57		0.02	3.11	
1303767	JPL	2012-07-05	UTM83-8	7131303	596695	1382	WHI12000254	69	1.67	12.8	1.5	2	174.2		0.23	0.36	0.17		8.4	24.8		13.08	3.4	4.9			57	0.04	14.2		0.4	480	1.08	0.004		20.8	0.047					22.97		0.02	1.14	
1303768	JPL	2012-07-05	UTM83-8	7131351	596702	1383	WHI12000254	238	0.97	20.9	0.5	7	361.8		0.2	3.55	1.57		11.2	17		21.45	4.28	2.7			174	0.07	13		2.07	1284	1.21	0.005		19.8	0.062					62.4		0.05	3.02	
1303769	JPL	2012-07-05	UTM83-8	7131399	596699	1389	WHI12000254	370	1.24	28.4	0.8	3	161.5		0.23	2.01	1.22		10.5	20		23.89	4	3.5			222	0.06	12.6		0.98	712	2.02	0.003		19.8	0.1					73.7		0.05	4.37	
1303770	JPL	2012-07-05	UTM83-8	7131456	596705	1374	WHI12000254	385	0.25	27.5	1.6	6	65.6		0.13	12	2.32		9.7	7.1		19.16	3.79	0.7			267	0.04	6.3		6.3	1296	3.53	0.009		16.6	0.082					83		0.03	4.8	
1303771	JPL	2012-07-05	UTM83-8	7131498	596697	1357	WHI12000254	334	0.29	20.8	1.5	4	41.1		0.24	9.4	0.9		10.8	7.4		43.91	2.95	0.9			296	0.11	8.3		3.05	442	2.49	0.008		25.9	0.114					82.31		0.1	1.61	
1303772	JPL	2012-07-05	UTM83-8	7131547	596699	1344	WHI12000254	376																																						

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303744	8.4	0.6	17.1		0.08	3.6	0.003	0.19	0.7	31	0.05				92.5	
1303745	5.3	0.05	22.7		0.02	2	0.009	0.2	0.4	42	0.05				89.3	
1303746	5.8	0.3	16		0.06	2.8	0.011	0.3	0.6	47	0.05				105.6	
1303747	5.3	0.5	32.4		0.03	1.4	0.008	0.3	0.9	35	0.1				580.1	
1303748	3	0.6	29.9		0.02	1	0.01	0.34	1	35	0.2				886.4	
1303749	5.2	0.9	18.8		0.05	1.3	0.004	1.32	3.4	37	0.1				956.3	
1303750	4.2	0.5	151		0.07	2.3	0.003	0.81	0.7	14	0.05				346	
1303751	4.4	0.8	41.9		0.07	1.7	0.004	0.6	0.7	20	0.05				314.8	
1303752	2.2	0.2	37.2		0.04	0.7	0.007	0.32	0.7	23	0.1				256.3	
1303753	2.7	0.8	32.7		0.06	0.8	0.01	0.62	1	33	0.2				388.6	
1303754	2.5	0.7	47.6		0.04	0.7	0.008	0.53	1.8	27	0.2				387.8	
1303755	3.5	0.3	35.5		0.01	0.5	0.004	0.22	0.6	23	0.4				97.9	
1303756	1	0.2	54.1		0.01	0.3	0.003	0.24	0.4	8	0.1				118	
1303757	3.6	0.6	28		0.05	1.4	0.009	0.42	1.7	46	1.2				231.9	
1303758	7.7	0.5	10.5		0.05	4.2	0.015	1.27	1.4	40	0.3				228.9	
1303759	2.9	0.6	24		0.04	1	0.009	0.34	2	47	0.2				196.4	
1303760	4.8	0.5	13		0.04	2.6	0.014	0.37	0.7	39	0.2				149.6	
1303761	8	0.6	14.7		0.04	2.9	0.003	0.52	1.2	40	0.2				251.4	
1303762	5.4	0.4	7.7		0.04	3.1	0.007	0.38	0.7	37	0.1				154.9	
1303763	4.9	0.3	6.1		0.05	2.4	0.005	0.27	0.7	39	0.1				121.7	
1303764	3.8	0.3	13.9		0.06	1.8	0.011	0.3	0.9	49	0.2				79.5	
1303765	5.3	0.4	9.8		0.05	1.8	0.008	0.29	1.2	45	0.1				132.6	
1303766	5.8	0.5	10.4		0.03	2.7	0.009	0.32	1.2	48	0.2				144.7	
1303767	3.3	0.4	10.2		0.04	1.5	0.012	0.22	0.8	49	0.2				78.6	
1303768	5.3	0.4	27.8		0.03	1.8	0.006	0.31	0.9	34	0.1				162	
1303769	4.6	0.7	18.7		0.03	1.5	0.003	0.6	1.1	45	0.1				436.2	
1303770	3.5	0.7	71.4		0.03	1.4	0.002	0.73	1.1	21	0.1				546.6	
1303771	4.8	1.2	61.7		0.05	1.5	0.002	0.76	0.7	16	0.05				314.2	
1303772	5.7	1.2	51.9		0.1	2.4	0.001	0.58	1	19	0.05				637.3	
1303773	4	0.3	21.7		0.03	2.4	0.003	0.12	1.5	22	0.05				120.2	
1303774	5.6	0.2	29		0.02	3.3	0.003	0.07	1.6	16	0.05				109.2	
1303775	2.2	0.3	15.7		0.05	1.7	0.005	0.27	1	28	0.05				279.1	
1303776	3.7	0.4	40.4		0.03	2	0.002	0.11	4.2	14	0.05				117.5	
1303777	2.6	0.7	25.2		0.08	1.8	0.003	0.33	0.9	28	0.05				318.3	
1303778	4.9	0.6	54.8		0.1	4.8	0.002	0.34	1.2	27	0.05				229.6	
1303779	5.5	0.8	41.4		0.06	4.5	0.002	0.31	1.4	22	0.05				334.1	
1303780	4.2	0.6	34.6		0.05	3	0.002	0.19	1.8	22	0.05				250.7	
1303781	8.9	0.3	34.2		0.05	2.9	0.003	0.18	0.7	27	0.05				190.1	
1303782	6.6	0.3	15.1		0.02	5.4	0.002	0.15	0.6	20	0.05				100.6	
1303783	7.2	0.5	26		0.03	3.1	0.002	0.25	0.6	22	0.05				208.1	
1303784	5.5	0.6	42.3		0.03	3.4	0.001	0.2	1.4	17	0.05				115.4	
1303785	5.9	0.8	35.5		0.06	4.6	0.002	0.15	2.3	20	0.05				143.7	
1303786	4.9	0.6	30.3		0.04	2.2	0.001	0.24	1.6	21	0.05				139.6	
1303787	9.3	0.3	18.3		0.03	4.1	0.004	0.16	0.5	35	0.05				212.6	
1303788	4.9	0.3	214.9		0.04	1.9	0.004	0.36	0.6	22	0.05				2250.5	
1303789	2.8	0.6	46.7		0.05	0.6	0.004	0.81	0.5	25	0.1				1581.2	
1303790	5.3	0.6	33.6		0.06	1.3	0.002	2.66	1.1	34	0.4				2163.2	
1303791	5.1	1.1	17.5		0.08	1.1	0.011	0.6	0.9	58	0.2				1916.4	
1303792	1	0.4	42.7		0.01	0.1	0.003	0.34	0.6	12	0.05				161.2	
1303793	2.9	0.3	126.1		0.02	2.2	0.01	0.53	0.8	18	0.1				240.6	
1303794	3.1	0.4	69.5		0.02	1	0.002	0.54	0.8	11	0.1				240	
1303795	2.5	0.3	55.8		0.01	0.9	0.007	0.52	0.7	19	0.2				223.6	
1303796	1.9	0.5	35.7		0.01	0.5	0.008	0.36	1.2	25	0.1				261	
1303797	1	0.2	38.1		0.01	0.3	0.003	0.26	0.5	14	0.1				109.5	
1303798	2.3	0.3	68.5		0.01	0.6	0.001	0.82	0.5	12	0.1				374.7	
1303799	3.2	0.2	41.2		0.01	1.1	0.007	0.48	0.6	25	0.2				125.7	
1303800	1.2	0.4	22.2		0.01	0.3	0.004	0.23	0.7	17	0.05				170.3	
1303801	1.7	0.3	17.9		0.02	0.3	0.004	0.2	0.6	17	0.1				173.9	
1303802	2.6	0.3	42.4		0.03	0.6	0.003	0.41	0.4	15	0.1				173.7	
1303803	0.8	0.1	32.3		0.03	0.2	0.004	0.18	0.5	9	0.05				88	
1303804	3	0.2	12.4		0.02	0.7	0.005	0.35	1.2	33	0.4				164.3	
1303805	2.6	0.2	33.4		0.04	0.5	0.007	0.14	0.5	45	0.1				109.1	
1303806	5.3	0.2	33.7		0.03	1.4	0.008	0.16	0.7	39	0.1				260.7	
1303807	7.2	0.4	12.1		0.03	2.4	0.003	0.14	0.4	48	0.05				115	
1303808	14	0.4	26.4		0.03	2.1	0.003	0.12	0.6	30	0.05				143.2	
1303809	10.7	0.2	11.5		0.01	2.6	0.004	0.12	0.4	39	0.05				120.4	
1303810	11.6	0.7	12.8		0.02	2.5	0.006	0.17	0.7	41	0.05				108.4	
1303811	4.9	0.1	14.2		0.04	1.3	0.004	0.12	0.6	28	0.05				141.1	
1303812	2.4	0.5	7.4		0.03	0.8	0.02	0.14	0.8	48	0.3				88.6	
1303813	3.6	0.4	6.1		0.03	1.1	0.022	0.11	0.6	46	0.2				112.6	
1303814	5.5	0.4	6.2		0.04	3	0.007	0.12	0.6	36	0.05				94.9	
1303815	4.9	0.6	6		0.05	1.5	0.004	0.11	0.6	27	0.05				118.9	
1303816	7.2	0.6	8.4		0.06	2.6	0.001	0.37	0.5	21	0.05				163.6	
1303817	3.6	0.4	5.1		0.08	1.1	0.008	0.12	0.4	47	0.05				65.4	
1303818	2.8	0.2	6.1		0.03	0.9	0.005	0.11	0.4	35	0.05				60.4	
1303819	3.1	0.5	8.6		0.12	4.9	0.004	0.11	0.9	26	0.05				165.8	
1303820	2.8	0.4	6.2		0.03	2.5	0.003	0.16	0.7	24	0.05				137	
1303821	3.5	0.2	13.8		0.01	2.9	0.002	0.18	1.3	22	0.05				122	
1303822	1.3	0.5	10.8		0.03	0.5	0.007	0.14	0.8	37	0.1				104.8	
1303823	3.6	1	29.1		0.02	2.1	0.002	0.17	3.1	22	0.05				101.3	
1303824	3.2	1.1	46.4		0.03	1.5	0.003	0.16	2.7	21	0.05				310.9	
1303825	2.8	0.3	51.2		0.01	1.1	0.003	0.12	1	19	0.05				215.9	
1303826	3.4	0.6	42.8		0.01	1.1	0.003	0.12	1.7	19	0.05				316.7	
1303827	2.6	0.5	24.5		0.01	1.4	0.005	0.12	1.4	25	0.05				185.7	
1303828	2.4	0.5	32.3		0.01	1.1	0.004	0.14	1.9	21	0.05				305.1	
1303829	4.4	0.2	28.5		0.01	2.6	0.003	0.07	1.3	16	0.05				91.2	
1303830	2.1	0.2	37.4		0.01	0.7	0.002	0.11	1.2	19	0.05				89.8	
1303831	3.5	0.8	24.8		0.05	1.2	0.006	0.19	3.6	33	0.05				85.5	
1303832	5.3	0.2	72.5		0.01	4.6	0.003	0.04	0.8	13	0.05				71.7	
1303833	6.1	0.4	12.8		0.04	3.6	0.006	0.12	1.1	23	0.05				92.4	
1303834	4.3	0.3	14.4		0.04	3	0.009	0.15	1.5	37	0.2				109.8	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303835	JPL	2012-07-07	UTM83-8	7128805	597501	1409	WH112000347	64	1.47	10.4	1.6	2	170.2		0.23	0.38	0.24		9.3	25.9		17.12	2.82	4.9		36		0.07	13.7		0.52	419	0.99	0.002		21.7	0.07			25.44		0.03	0.42			
1303836	FT	2012-07-08	UTM83-8	7128910	597697	1376	WH112000347	51	1.73	10	3.2	2	140.7		0.29	0.41	0.16		15.2	28.5		20.94	3.28	5.1		15		0.1	9.9		0.66	942	0.85	0.001		29.8	0.043			45.77		0.01	0.36			
1303837	FT	2012-07-08	UTM83-8	7128851	597701	1377	WH112000347	51	1.61	6.4	0.1	4	140.2		0.24	0.17	0.15		12.2	24.6		15.98	4.02	3.9		25		0.15	11.1		0.35	665	0.9	0.001		20.3	0.072			24.77		0.02	0.25			
1303838	FT	2012-07-08	UTM83-8	7128805	597700	1369	WH112000347	81	1.37	7.1	6.2	3	153.2		0.26	0.28	0.14		10.4	26.3		17.43	3	4.8		32		0.12	7.1		0.45	680	1.06	0.002		22	0.103			26.92		0.05	0.32			
1303839	FT	2012-07-08	UTM83-8	7128750	597699		WH112000347	67	1.11	6.2	2.3	2	145.9		0.26	0.19	0.3		9.1	21.8		12.51	2.85	5.1		25		0.13	7.8		0.37	583	0.93	0.002		14.6	0.067			26.58		0.03	0.3			
1303840	FT	2012-07-08	UTM83-8	7128702	597697	1368	WH112000347	62	1.59	8.7	2	3	240.1		0.26	0.6	0.34		11.9	29.8		19.09	3.01	5.5		27		0.13	9.1		0.69	823	0.98	0.003		22.8	0.096			30.72		0.05	0.33			
1303841	FT	2012-07-08	UTM83-8	7128649	597700	1363	WH112000347	66	1.56	9.1	0.5	3	292.5		0.26	0.44	0.2		9.2	26.9		24.33	2.88	4.9		29		0.13	9.4		0.52	527	1.04	0.002		23	0.106			32.61		0.07	0.29			
1303842	FT	2012-07-08	UTM83-8	7128600	597699		WH112000347	88	0.8	7.7	1	3	110.5		0.22	0.39	0.34		14.6	13.7		26.96	2.81	2.4		39		0.1	6.4		2.03	1031	0.7	0.004		26.1	0.065			65.73		0.06	0.28			
1303843	FT	2012-07-08	UTM83-8	7128549	597699	1369	WH112000347	451	0.45	9.5	2.9	4	38.2		0.11	6.09	1.12		6.9	7.4		12.1	1.8	1.2		87		0.12	11.8		3.82	616	1.54	0.01		13.4	0.069			165.3		0.05	0.69			
1303844	FT	2012-07-08	UTM83-8	7128509	597699	1382	WH112000347	153	1.38	11.1	1.1	4	112		0.31	0.65	0.32		11.9	18.9		23.23	4.05	3.9		36		0.14	13.6		0.59	877	0.78	0.002		29.7	0.094			80.09		0.03	0.36			
1303845	FT	2012-07-08	UTM83-8	7128455	597702	1396	WH112000347	229	1.07	7.9	0.8	6	78.2		0.22	4.22	0.64		5.9	13.9		13.4	3.01	2.8		71		0.14	6.7		2.55	1336	0.85	0.004		15.4	0.139			109.81		0.1	0.25			
1303846	FT	2012-07-08	UTM83-8	7128402	597701	1397	WH112000347	68	0.45	4.2	0.4	3	40.4		0.07	9.31	0.71		4	8.4		5.71	1.47	1.4		49		0.1	4.2		6.96	1211	0.66	0.01		8.4	0.075			175.52		0.04	0.11			
1303847	FT	2012-07-08	UTM83-8	7128355	597697	1402	WH112000347	93	0.39	4.1	0.5	3	36.5		0.05	10.55	0.94		3	7		6.64	1.3	1.2		66		0.08	4		8.36	856	0.66	0.01		6.1	0.092			143.46		0.06	0.13			
1303848	FT	2012-07-08	UTM83-8	7128300	597701	1411	WH112000347	88	1.87	10	3.2	2	164.2		0.24	0.36	0.26		7.1	29.3		13.45	3	6		40		0.07	14.6		0.59	684	1.1	0.005		27.1	0.102			42.01		0.03	0.48			
1303849	FT	2012-07-08	UTM83-8	7128250	597699		WH112000347	158	1.99	11	1	2	154.1		0.21	0.56	0.86		7.1	27.4		11.27	3.15	4.9		54		0.06	14.8		0.53	2109	1.2	0.004		24.6	0.104			98.72		0.03	0.52			
1303850	FT	2012-07-08	UTM83-8	7128200	597699		WH112000347	204	1.37	10.4	0.8	4	110.5		0.14	5.55	1.36		6.1	17.1		9.22	3.39	3.2		65		0.09	9.8		3.6	3187	1.13	0.007		15.2	0.176			197.54		0.08	0.43			
1303851	FT	2012-07-08	UTM83-8	7128149	597700	1441	WH112000347	146	1.7	10.6	2.4	4	138.1		0.17	4.91	1.07		7	20.1		9.77	3.09	4.1		54		0.1	9.9		3.28	2664	1.11	0.006		18.6	0.142			142.43		0.05	0.41			
1303852	FT	2012-07-08	UTM83-8	7128102	597702	1447	WH112000347	127	2.5	14.3	3.6	3	238.6		0.31	1.69	1.69		10.5	31.6		18.17	3.48	6.2		66		0.1	22.4		0.91	4030	2.14	0.006		29.1	0.265			100.19		0.07	0.75			
1303853	FT	2012-07-08	UTM83-8	7128051	597700	1452	WH112000347	78	0.36	7.3	0.6	3	53.2		0.06	9.33	10.53		3	6.1		6.78	5.29	1.3		116		0.05	6.4		7.21	3211	1	0.008		4.9	0.108			301.55		0.1	0.2			
1303854	FT	2012-07-08	UTM83-8	7128006	597697	1456	WH112000347	48	1.55	7.4	0.9	3	135.5		0.27	2.47	2.38		7.5	21.8		13.21	3.3	4.7		57		0.08	9		1.18	1901	1.16	0.004		13.9	0.164			92.29		0.11	0.47			
1303855	FT	2012-07-08	UTM83-8	7127952	597701	1461	WH112000347	96	0.94	7.7	0.3	3	75.6		0.1	8.62	1.34		4.7	10.7		6.79	2.47	1.9		81		0.09	11.1		6.6	1988	1	0.009		10.7	0.147			336.3		0.05	0.21			
1303856	FT	2012-07-08	UTM83-8	7127900	597699	1461	WH112000347	108	1.35	10.1	0.1	3	101.6		0.14	6.88	1.45		5.9	15.6		8.18	3.12	3.3		87		0.09	13		4.61	2784	1.14	0.007		12.2	0.187			537.47		0.07	0.33			
1303857	FT	2012-07-08	UTM83-8	7127856	597703	1455	WH112000347	65	2.21	12	2.4	3	184		0.27	1.01	0.99		8.8	27.7		16.74	3.54	5.5		41		0.13	13.5		0.55	3312	1.45	0.003		23.6	0.184			257.17		0.07	0.48			
1303858	FT	2012-07-08	UTM83-8	7127805	597706	1456	WH112000347	42	1.36	4	1.5	4	258.5		0.4	0.28	0.06		19.1	25.7		40.06	4.98	4.4		19		0.25	4.9		0.39	1428	0.41	0.004		38.4	0.033			32.04		0.01	0.49			
1303859	JPL	2012-07-09	UTM83-8	7129106	597891	1308	WH112000347	161	1.38	5.9	0.3	7	145.9		0.22	1.78	0.3		10	20.2		26.1	2.43	4		71		0.18	12.9		0.75	839	0.79	0.004		24.1	0.115			42.5		0.08	0.28			
1303860	JPL	2012-07-09	UTM83-8	7129148	597902	1307	WH112000347	118	1.4	8.8	0.5	5	163.4		0.27	1.14	0.39		12.8	23		22.46	2.88	4.4		42		0.21	13.8		0.61	573	0.86	0.004		29.1	0.081			42.52		0.05	0.36			
1303861	JPL	2012-07-09	UTM83-8	7129204	597896	1312	WH112000347	118	1.34	7.6	0.2	6	111.3		0.26	0.69	0.19		12.2	22.7		20.03	2.81	4.3		36		0.21	16.1		0.49	419	0.75	0.003		28.6	0.063			31.37		0.03	0.31			
1303862	JPL	2012-07-09	UTM83-8	7129248	597901	1308	WH112000347	92	1.4	6.2	1.3	6	123.9		0.24	2.35	0.17		11.7	23.5		22.95	2.69	4.2		24		0.25	12.7		1.33	584	1.02	0.006		26.6	0.069			33.72		0.03	0.27			
1303863	JPL	2012-07-09	UTM83-8	7129299	597902	1306	WH112000347	37	2	6.5	0.1	4	149		0.33	0.19	0.12		14.2	30.4		23.21	3.54	6.7		12		0.21	10.6		0.49	719	0.79	0.003		29.2	0.034			32.88		0.01	0.29			
1303864	JPL	2012-07-09	UTM83-8	7129352	597899	1293	WH																																							

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303835	3.2	0.3		20	0.01	1.9	0.006	0.21	1.4	37	0.1				104.6	
1303836	3.5	0.3		9.2	0.03	3.1	0.004	0.19	0.8	30	0.2				108.5	
1303837	3.8	0.05		9.5	0.01	2.5	0.003	0.15	0.8	29	0.05				84.3	
1303838	2.3	0.2		10.3	0.04	1.2	0.004	0.14	0.8	29	0.1				89.9	
1303839	1.9	0.2		8.4	0.04	1.1	0.006	0.11	0.6	30	0.1				98.5	
1303840	3.9	0.4		19.7	0.02	1.7	0.004	0.14	1.5	31	0.05				108.8	
1303841	3.8	0.9		17.1	0.03	1.8	0.003	0.18	5.5	28	0.1				125.3	
1303842	3.8	0.3		19	0.04	2.2	0.003	0.34	1.1	15	0.05				210.7	
1303843	3.7	0.6		115.4	0.02	2.8	0.002	0.22	2.5	12	0.05				287.4	
1303844	5.9	0.4		17.7	0.05	3.5	0.002	0.27	1.7	26	0.05				253.2	
1303845	3	0.4		22.3	0.03	1.2	0.003	0.33	1.5	22	0.05				410.4	
1303846	2	0.3		42.4	0.01	1.2	0.004	0.34	1	11	0.05				301.1	
1303847	1.7	0.4		52.4	0.01	1.1	0.004	0.51	1	11	0.05				398.4	
1303848	3.2	0.3		11	0.04	1.1	0.018	0.44	1.3	53	0.2				234.6	
1303849	3	0.4		12.2	0.04	0.9	0.018	0.38	1.7	45	0.2				488.3	
1303850	2.2	0.5		25	0.03	0.7	0.009	0.8	2	36	0.05				945.5	
1303851	3.2	0.4		24.8	0.03	1.2	0.012	0.7	2	41	0.1				691.1	
1303852	3.8	0.5		21.1	0.04	1.4	0.017	0.72	4	51	0.2				575.5	
1303853	1	0.6		32.5	0.03	0.4	0.003	1.93	1.6	11	0.05				4429.6	
1303854	1.7	0.3		14.3	0.06	0.5	0.009	0.41	1.2	37	0.05				888.8	
1303855	2.3	0.4		37.8	0.03	1.5	0.004	0.67	1.9	17	0.05				771.5	
1303856	2.2	0.6		30.6	0.03	0.9	0.005	0.75	2	29	0.05				876	
1303857	3.1	0.4		13.3	0.09	2	0.006	0.72	2.3	39	0.1				455.1	
1303858	10.3	0.3		9.6	0.04	6.1	0.007	0.22	0.9	22	0.05				79.3	
1303859	3	0.6		24.7	0.02	1.2	0.002	0.21	1.8	21	0.05				121	
1303860	4.5	0.4		22.9	0.06	3.3	0.003	0.15	1.4	24	0.05				172.7	
1303861	4.8	0.3		19.2	0.02	4.2	0.004	0.16	0.9	24	0.05				106.5	
1303862	4.7	0.3		32	0.02	4	0.003	0.2	1.4	24	0.05				108	
1303863	4.8	0.1		9.3	0.04	5	0.003	0.21	0.8	32	0.05				85.9	
1303864	4.6	0.3		15.2	0.03	4.3	0.011	0.21	1.4	43	0.1				112.9	
1303865	5.1	0.4		12.4	0.02	5.8	0.004	0.25	1.4	37	0.05				132.9	
1303866	6.6	0.3		15.9	0.07	7.6	0.004	0.28	1.4	35	0.05				106	
1303867	4.9	0.4		16.5	0.05	4.3	0.008	0.24	1.4	42	0.1				99.6	
1303868	6.1	0.5		38.9	0.01	7.8	0.004	0.23	0.9	24	0.05				149.9	
1303869	5.4	0.4		17.2	0.03	4.9	0.003	0.19	1.3	24	0.05				127.2	
1303870	6.1	0.7		24.4	0.03	3.6	0.004	0.21	1.1	30	0.05				170.1	
1303871	6.8	0.4		26.5	0.04	5.5	0.003	0.24	1.3	28	0.05				142.1	
1303872	4.8	0.5		9.4	0.05	3.2	0.024	0.15	0.6	61	0.1				108.6	
1303873	7.4	0.5		193.6	0.02	2.3	0.006	0.22	0.8	34	0.1				162.7	
1303874	4.1	0.6		127.8	0.04	1.4	0.007	0.22	1.7	39	0.1				399.2	
1303875	3.9	0.6		57.3	0.05	1.1	0.011	0.19	1	47	0.2				730.3	
1303876	3.4	0.6		27.9	0.04	1.1	0.013	0.22	1.3	49	0.1				242.4	
1303877	4.1	0.3		37.1	0.06	3.1	0.005	0.36	1.4	51	0.05				611	
1303878	5.5	0.7		35.2	0.04	4	0.003	0.24	1.4	30	0.05				208.4	
1303879	7.5	0.7		20.1	0.04	5	0.003	0.28	2.4	44	0.05				165.9	
1303880	3.9	0.6		18.2	0.03	1.5	0.014	0.25	1.5	51	0.1				110.9	
1303881	5.6	0.8		13.7	0.03	7.1	0.011	0.2	1.3	35	0.1				102	
1303882	4.9	0.3		24.9	0.04	4.9	0.003	0.18	1.1	23	0.05				109.1	
1303883	5.6	0.5		24.2	0.03	5.3	0.003	0.21	1.2	25	0.05				126.8	
1303884	4.1	0.5		28.7	0.01	3.4	0.003	0.28	1.3	18	0.05				175.8	
1303885	5.4	0.5		29.2	0.04	3.3	0.006	0.23	1.8	31	0.05				174.3	
1303886	3.1	0.4		37.7	0.01	2	0.003	0.18	1.1	17	0.05				155.8	
1303887	4.2	0.6		23.2	0.04	2.1	0.005	0.25	3.2	34	0.05				173.8	
1303888	5.8	0.2		7.9	0.05	5.7	0.009	0.2	1	27	0.05				63.7	
1303889	5.7	0.6		19.9	0.04	2.7	0.011	0.46	1.8	48	0.2				268.1	
1303890	2.8	0.4		23.9	0.04	1.1	0.012	0.43	1.5	43	0.1				248.9	
1303891	2.1	0.4		20.1	0.03	0.7	0.007	0.38	1.7	27	0.05				352.4	
1303892	1.9	0.7		25.2	0.05	1	0.007	1.03	2.3	26	0.1				1809.1	
1303893	2.4	0.3		34.7	0.06	1.4	0.003	0.51	1	11	0.05				182.3	
1303894	0.8	0.4		43.4	0.01	0.3	0.007	0.9	3.5	13	0.05				514.5	
1303895	2.4	0.2		10.9	0.05	1.3	0.008	0.43	1.2	43	0.2				114.1	
1303896	2.1	0.3		17.2	0.01	2.1	0.004	0.15	0.8	22	0.05				58.7	
1303897	4.9	0.6		15.7	0.07	3.2	0.003	0.17	2.5	33	0.05				150.7	
1303898	4.4	0.4		19.8	0.05	2.8	0.003	0.18	2.7	29	0.05				87.4	
1303899	2	0.3		15.3	0.02	0.7	0.004	0.19	1.8	34	0.1				70.7	
1303900	2.8	0.5		26.7	0.03	1	0.014	0.18	4.7	43	0.2				125.1	
1303901	2.2	0.3		22.2	0.03	0.9	0.011	0.23	1.8	45	0.1				77.4	
1303902	6	0.6		14.9	0.03	3.8	0.006	0.12	2.1	32	0.05				101.2	
1303903	3.4	0.5		16.5	0.02	1.9	0.007	0.14	1.6	35	0.05				108	
1303904	5.5	0.8		54.4	0.04	3.5	0.007	0.32	3.3	35	0.05				132.2	
1303905	4.9	0.4		20.6	0.01	2.4	0.008	0.13	2.3	36	0.05				80.4	
1303906	2.7	0.1		14.3	0.01	2.1	0.009	0.13	0.8	36	0.05				94.7	
1303907	2.1	0.2		13.4	0.01	1.6	0.006	0.13	0.7	32	0.05				93.1	
1303908	3.9	0.5		23.4	0.04	2.3	0.007	0.12	0.9	31	0.05				105.4	
1303909	6.8	0.4		23.6	0.01	3.2	0.005	0.1	1.3	23	0.05				93.9	
1303910	7.8	0.4		23.3	0.01	3.5	0.005	0.09	1.3	21	0.05				95.2	
1303911	6.6	0.4		20.5	0.02	3.3	0.004	0.09	1.4	21	0.05				97.7	
1303912	2.4	0.6		27.8	0.03	1.2	0.007	0.11	0.9	27	0.05				115.6	
1303913	2.2	0.4		21.1	0.04	1.3	0.006	0.12	1.3	25	0.05				88.4	
1303914	4.7	0.4		24.5	0.02	3.9	0.004	0.14	0.8	15	0.05				311.8	
1303915	3.4	0.3		15	0.03	3	0.003	0.18	0.9	34	0.05				87	
1303916	3.8	0.4		15	0.03	4.1	0.005	0.15	0.7	31	0.05				90.3	
1303917	4.7	0.4		21.3	0.04	6.2	0.003	0.15	1.1	28	0.05				121	
1303918	6.1	0.4		18	0.04	3.9	0.004	0.17	1.4	31	0.05				104.6	
1303919	6.9	0.7		29.6	0.01	3.6	0.001	0.16	0.9	21	0.05				62.9	
1303920	5.9	0.5		15.9	0.03	4.8	0.002	0.16	1.7	28	0.05				115.4	
1303921	4.7	0.05		6.9	0.04	4.6	0.007	0.18	1	27	0.1				84.1	
1303922	1.4	0.4		18.7	0.01	0.5	0.006	0.34	1.1	25	0.05				218.4	
1303923	2.1	0.2		42.6	0.01	1.8	0.004	0.31	0.5	10	0.05				77.3	
1303924	1.6	0.3		34.7	0.01	0.7	0.003	0.41	1.2	18	0.05				623.1	
1303925	1.8	0.4		36.7	0.01	1	0.004	1.64	1.3	14	0.05				1442.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1303926	JPL	2012-07-13	UTM83-8	7127899	598900	1532	WH112000521	216	1.51	12.5	2.6	3	139.2		0.2	1.57	1.94		8.7	24.2		17.3	4.23	4.1			88	0.06	17		0.94	3216	1.12	0.004			20.8	0.153	194.47				0.1	0.54		
1303927	JPL	2012-07-13	UTM83-8	7127947	598901	1530	WH112000521	169	1.4	12.3	2.5	3	145.1		0.2	1.53	0.76		9.3	23.7		20.79	3.88	4.1			64	0.07	19.1		0.97	2726	1.06	0.004			22.3	0.162	66.66				0.07	0.68		
1303928	JPL	2012-07-13	UTM83-8	7128112	598899	1503	WH112000521	71	0.24	7	0.9	3	28.3		0.08	13.19	0.1		4.5	8.6		9.8	1.46	0.7			17	0.07	5.3		7.99	701	0.73	0.017			11	0.05	38.77				0.01	0.15		
1303929	JPL	2012-07-13	UTM83-8	7128168	598895	1494	WH112000521	158	0.79	8.7	4	5	85.9		0.17	7.25	0.37		6.7	13.3		13.45	2.66	1.9			56	0.08	8.4		4.62	2116	1.09	0.008			14.5	0.139	45.5				0.06	0.33		
1303930	JPL	2012-07-13	UTM83-8	7128202	598903	1500	WH112000521	206	1.16	8.8	2.1	4	106.1		0.2	2.27	0.24		7.3	19.8		14.73	2.73	3			52	0.06	9.5		1.23	1296	1.18	0.003			17.9	0.143	38.43				0.1	0.4		
1303931	JPL	2012-07-13	UTM83-8	7128249	598900	1498	WH112000521	141	0.87	6.4	1.7	3	73.4		0.13	8.65	0.29		5.4	14.1		11.84	2.02	2.1			48	0.05	8.4		5.48	1740	1.03	0.008			13.1	0.14	25.09				0.03	0.29		
1303932	JPL	2012-07-13	UTM83-8	7128300	598902	1499	WH112000521	104	0.91	7.2	1.5	2	83.7		0.24	0.28	0.26		9	18		15.72	2.74	2.9			29	0.08	8.3		0.27	1108	1.15	0.002			23.9	0.083	27.81				0.08	0.48		
1303933	JPL	2012-07-13	UTM83-8	7128355	598894	1491	WH112000521	400	1.23	9.4	3.4	4	97.3		0.21	1	0.66		11.1	21.2		24.05	3.47	3.4			113	0.09	12.7		0.77	821	1.19	0.003			27.7	0.108	61.97				0.08	0.58		
1303934	JPL	2012-07-13	UTM83-8	7128403	598900	1513	WH112000521	245	1.18	9.1	1.9	2	95.4		0.17	1.91	0.36		8.7	21.2		15.52	2.64	3.3			73	0.06	19.5		0.81	528	1.32	0.003			18.8	0.123	16.69				0.07	0.5		
1303935	JPL	2012-07-13	UTM83-8	7128453	598899	1538	WH112000521	373	0.99	9.5	8.8	3	67.7		0.11	1.35	0.55		8.5	18		15.77	2.46	2.6			68	0.08	28.2		0.43	544	1.76	0.002			21.3	0.134	16.25				0.03	0.42		
1303936	JPL	2012-07-13	UTM83-8	7128501	598899	1555	WH112000521	234	1.27	8.2	2	2	104.3		0.14	1.06	0.59		7.5	21		14.43	2.24	3.7			79	0.05	19.6		0.35	581	1.88	0.001			17.5	0.117	15.48				0.08	0.45		
1303937	JPL	2012-07-13	UTM83-8	7128552	598899	1560	WH112000521	490	1.06	9.8	3.7	2	85.8		0.12	0.66	0.33		9.3	21.3		19.47	2.28	3.4			89	0.09	17.2		0.58	278	1.86	0.002			24.3	0.043	18.71				0.03	0.49		
1303938	JPL	2012-07-13	UTM83-8	7128600	598899	1568	WH112000521	290	1.26	8.4	3.9	4	84.8		0.12	1.52	0.5		8.6	26.6		19.31	2.08	4.2			119	0.09	19.9		0.87	469	1.21	0.003			21.3	0.089	15.3				0.08	0.45		
1303939	JPL	2012-07-13	UTM83-8	7128652	598903	1564	WH112000521	363	1.35	8.7	6.2	3	107.3		0.13	1.2	0.31		7.6	29.4		21.73	2.06	4.7			141	0.07	20.8		0.8	344	0.79	0.002			20.5	0.103	14.92				0.1	0.38		
1303940	JPL	2012-07-13	UTM83-8	7128702	598901	1561	WH112000521	370	1.76	9	3.4	2	103		0.12	0.98	0.47		7.8	31.9		16.4	2.31	5.2			86	0.07	24.6		1.14	409	1.03	0.001			21.9	0.083	16.04				0.05	0.42		
1303941	JPL	2012-07-13	UTM83-8	7128749	598900	1561	WH112000521	51	2.11	10.9	3	3	80.1		0.12	0.19	0.12		11.7	45.7		21.66	2.63	6.7			36	0.08	17.8		1.73	368	0.64	0.0005			31.6	0.046	11.69				0.02	0.27		
1303942	JPL	2012-07-13	UTM83-8	7128801	598896	1563	WH112000521	76	2	6.4	3.8	4	74.4		0.11	0.64	0.21		10.2	47.7		22.54	2.56	6.9			59	0.08	22.1		1.91	303	0.44	0.0005			28.5	0.051	8.93				0.04	0.24		
1303943	JPL	2012-07-13	UTM83-8	7128851	598896	1561	WH112000521	60	1.72	6	4.9	4	74.1		0.11	1.01	0.28		10.6	37.9		22.13	2.28	5.8			29	0.08	19.4		1.9	331	0.47	0.002			24.9	0.07	8.65				0.05	0.25		
1303944	JPL	2012-07-13	UTM83-8	7128898	598893	1558	WH112000521	98	1.33	6.6	5.1	2	70.5		0.09	1.04	0.28		11.6	40		20.87	2.41	4.7			43	0.09	26.5		1.68	362	0.57	0.002			26.8	0.065	11.66				0.01	0.17		
1303945	JPL	2012-07-13	UTM83-8	7128953	598899	1544	WH112000521	72	1.57	3.7	4.1	3	368.4		0.11	0.38	0.09		10	37.3		24.66	2.49	5.4			19	0.09	21.8		1.46	232	0.47	0.002			28.9	0.073	10.47				0.02	0.27		
1303946	JPL	2012-07-13	UTM83-8	7129006	598910	1506	WH112000521	54	1.73	2.3	1.2	4	105.4		0.29	0.36	0.07		14.2	37.6		25.65	2.93	6			19	0.11	24.6		1.31	261	0.37	0.002			40.2	0.059	9.93				0.02	0.27		
1303947	JPL	2012-07-13	UTM83-8	7129046	598900	1497	WH112000521	68	1.67	4.8	10.6	3	168.9		0.27	0.4	0.11		13.5	37		42.03	2.88	5.5			20	0.11	20.7		1.16	477	0.5	0.001			37.5	0.07	16.45				0.03	0.31		
1303948	JPL	2012-07-13	UTM83-8	7129150	598899	1464	WH112000521	106	1.31	8.2	1.3	3	77.9		0.22	0.13	0.06		20.9	22.3		28.1	3.71	4.3			47	0.17	5.4		0.43	807	0.67	0.01			29.2	0.154	25.48				0.23	0.34		
1303949	JPL	2012-07-13	UTM83-8	7129198	598897	1451	WH112000521	134	0.8	11.1	0.9	4	84.4		0.23	0.73	0.12		14.3	14		25.75	3.28	2.4			140	0.13	7.8		0.23	550	0.7	0.004			29.6	0.116	26.72				0.12	0.3		
1303950	JPL	2012-07-13	UTM83-8	7129253	598897	1434	WH112000521	140	1.12	8.2	1.1	3	121.3		0.19	0.84	0.09		12.9	17.6		20.68	2.91	3.4			71	0.12	6.8		0.28	510	0.75	0.004			26.5	0.138	29.71				0.14	0.3		
1303951	JPL	2012-07-13	UTM83-8	7129299	598895	1416	WH112000521	120	1.24	8.8	1.9	2	155.7		0.18	0.37	0.17		14.9	23.5		24.67	3.13	3.9			76	0.09	12.1		0.47	575	1.06	0.006			34.6	0.121	15.83				0.04	0.49		
1303952	JPL	2012-07-13	UTM83-8	7129351	598897	1400	WH112000521	176	0.56	17.3	2.1	2	55.6		0.3	0.1	0.52		19.5	10.5		66.39	6.19	1.5			197	0.07	7.8		0.04	293	9.79	0.0005			65.9	0.046	88.8				0.03	0.59		
1303953	JPL	2012-07-13	UTM83-8	7129401	598894	1397	WH112000521	67	1.02	7.1	1.2	1	59.7		0.24	0.03	0.11		15.3	21.9		32.17	3.98	4.2			48	0.09	8.3		0.2	359	1.25	0.0005			30.7	0.064	21.42				0.02	0.51		
1303954	JPL	2012-07-13	UTM83-8	7129456	598902	1403	WH112000521	44	1.6	10.5	1.2	3	66.5		0.3	0.02	0.09		19.9	28.8		35.67	5.22	5.8			35	0.09	8.1		0.42	509	1.17													

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1303926	2.7	0.5		14.7		0.03	1.1	0.008	0.6	1.8	36	0.1			811.8	
1303927	2.9	0.5		19.3		0.06	1.3	0.009	0.69	2.1	37	0.2			365	
1303928	2.1	0.2		58.7		0.01	2.6	0.002	0.31	1.4	10	0.05			67.4	
1303929	2.1	0.5		27.6		0.03	0.9	0.005	0.68	1.8	22	0.05			115.5	
1303930	2.3	0.3		18.1		0.01	1.1	0.006	0.43	1.3	28	0.05			98.8	
1303931	2.1	0.3		32.8		0.01	1	0.007	0.2	1.5	24	0.1			62.7	
1303932	2.8	0.3		10.7		0.01	1.4	0.007	0.22	1.1	26	0.1			112	
1303933	4.4	0.4		24.9		0.01	2.5	0.008	0.39	3.5	27	0.1			258.8	
1303934	2.7	0.4		48.6		0.01	0.9	0.006	0.11	2.1	30	0.05			84.5	
1303935	4.1	0.5		49.5		0.02	2.3	0.006	0.13	3.9	24	0.1			99.9	
1303936	2.5	0.5		46.2		0.03	0.6	0.009	0.16	3.9	33	0.1			87.4	
1303937	3.3	0.5		28.8		0.01	2	0.007	0.19	2.1	27	0.05			77.2	
1303938	2.6	0.6		67.9		0.01	0.9	0.01	0.14	4.4	35	0.05			99.4	
1303939	2.5	0.8		89.5		0.01	0.8	0.008	0.14	4.8	37	0.05			82.7	
1303940	4.2	0.5		48.6		0.02	1.3	0.012	0.15	2.9	43	0.1			79.6	
1303941	4	0.4		8.6		0.01	4	0.007	0.15	1.5	36	0.05			76.1	
1303942	5	0.6		23.8		0.01	2.8	0.007	0.1	1.9	37	0.05			88.6	
1303943	4.5	0.6		28.1		0.01	2.7	0.011	0.08	1.4	32	0.05			82.4	
1303944	6.5	1.6		25.4		0.01	6	0.005	0.08	1	27	0.05			89.3	
1303945	6.2	0.6		16		0.01	4.6	0.011	0.07	0.9	27	0.1			79.2	
1303946	8	0.2		12.3		0.03	5.3	0.008	0.06	0.7	22	0.05			90.9	
1303947	6.1	0.4		13.9		0.03	3.3	0.009	0.09	1.1	24	0.05			95.8	
1303948	2.5	0.5		31.7		0.05	2.6	0.003	0.17	1	16	0.05			74.6	
1303949	4.3	0.6		28.3		0.06	2.8	0.002	0.19	0.7	11	0.05			109.8	
1303950	3.2	0.6		28.6		0.03	2.2	0.002	0.14	1	16	0.05			96.1	
1303951	4.7	0.4		21.3		0.03	3.1	0.013	0.14	0.8	27	0.1			99.9	
1303952	8.1	1.1		10.6		0.07	2.6	0.0005	0.23	1.1	17	0.05			323.7	
1303953	3.7	0.2		6.4		0.02	1.3	0.004	0.17	0.5	38	0.05			105.6	
1303954	4.5	0.3		4.7		0.06	3.7	0.003	0.18	0.4	37	0.05			89.5	
1303955	3.6	0.3		5.4		0.05	2.7	0.007	0.15	0.4	48	0.1			59.6	
1303956	3.2	0.2		5.7		0.05	1.4	0.004	0.15	0.4	39	0.05			60.1	
1303957	4.1	0.8		4.8		0.05	2.6	0.002	0.35	0.3	19	0.05			96.2	
1303958	4.4	0.3		7.3		0.03	4.2	0.01	0.21	0.8	46	0.2			72.9	
1303959	3.6	0.3		8		0.02	1.6	0.009	0.19	0.5	43	0.1			87.7	
1303960	6.7	0.2		12.2		0.07	3.2	0.005	0.15	0.5	31	0.05			86.5	
1303961	5.3	0.4		9.5		0.04	2.2	0.003	0.28	0.6	43	0.1			79.8	
1303962	3.1	0.6		137.8		0.01	0.6	0.003	0.1	1.3	22	0.05			272.6	
1303963	4.8	0.5		106.6		0.06	0.9	0.002	0.13	0.3	13	0.05			217.9	
1303964	4.8	0.5		100.6		0.06	0.8	0.004	0.12	0.6	22	0.05			97.1	
1303965	7.7	0.6		42.2		0.05	2.2	0.01	0.18	1.3	33	0.1			247	
1303966	4.7	0.4		40		0.07	2.3	0.011	0.21	0.9	43	0.1			192.9	
1303967	5.4	0.2		210.9		0.08	2.8	0.005	0.28	1.5	24	0.2			468	
1303968	3	0.7		210.9		0.03	0.7	0.006	0.31	2	30	0.1			220.4	
1303969	3.1	0.4		115.4		0.06	0.6	0.005	0.23	1.4	25	0.05			468.1	
1303970	4.8	0.6		93.1		0.08	1	0.007	0.39	1.3	32	0.1			377.8	
1303971	3.9	0.7		88		0.1	1	0.013	0.4	1.6	34	0.05			267.8	
1303972	4.1	0.8		88.6		0.04	1	0.012	0.32	1.3	34	0.1			296.8	
1303973	3.9	0.8		63.4		0.05	1.4	0.005	0.69	2.3	22	0.1			137.4	
1303974	2.5	0.5		133.2		0.06	0.5	0.006	0.59	1.7	31	0.05			330.4	
1303975	2.6	0.6		65.6		0.04	0.5	0.007	0.37	1.9	32	0.2			198.7	
1303976	5.1	0.4		242.8		0.03	3.5	0.005	0.16	0.8	22	0.05			157.4	
1303977	5.2	0.9		61.6		0.05	1.5	0.007	0.71	1.7	30	0.1			248.2	
1303978	4.9	0.7		56.3		0.1	1.3	0.007	0.44	1.4	34	0.1			209.4	
1303979	4.3	1.3		59.1		0.09	1.7	0.008	0.59	2.1	33	0.05			148.2	
1303980	3.7	0.6		60.9		0.04	1.3	0.008	0.43	1.8	33	0.2			112.1	
1303981	4.2	0.8		59.1		0.06	1.6	0.008	0.39	1.3	30	0.1			178.9	
1303982	5.1	0.4		44.6		0.04	3.5	0.008	0.25	1.1	31	0.05			242.3	
1303983	3.6	1.4		43.4		0.01	1.2	0.01	0.44	2.9	39	0.2			153.9	
1303984	4.3	0.5		47		0.01	3.6	0.005	0.25	1.2	19	0.05			188	
1303985	4.3	0.4		45.2		0.01	2	0.007	0.26	0.9	27	0.1			150.7	
1303986	3.7	0.3		79.9		0.03	2.7	0.004	0.32	0.6	13	0.05			152	
1303987	3.4	0.2		77.7		0.01	2.4	0.004	0.29	0.6	14	0.05			158.2	
1303988	5.4	0.1		24.4		0.01	2.7	0.007	0.28	0.8	32	0.1			118.4	
1303989	2.4	0.2		47.7		0.04	2.1	0.006	0.15	0.8	16	0.05			512.3	
1303990	2.9	0.3		16.1		0.07	3.9	0.017	0.13	0.6	41	0.2			104.7	
1303991	4.6	0.6		57.7		0.08	2.5	0.011	0.21	0.9	35	0.2			147.6	
1303992	3.9	0.5		39.7		0.01	1.7	0.024	0.25	1.5	56	0.2			77.9	
1303993	4.4	0.6		30		0.06	2.7	0.01	0.2	0.8	33	0.1			205.6	
1303994	6.7	0.4		9.4		0.04	3.5	0.007	0.27	1.2	19	0.05			83.4	
1303995	1.2	0.4		40.3		0.01	0.9	0.003	0.62	0.5	6	0.05			63.1	
1303996	1.6	0.8		28.7		0.01	0.7	0.011	0.3	0.7	26	0.1			157.3	
1303997	2.2	0.3		26.3		0.02	0.9	0.013	0.18	1	37	0.2			166.5	
1303998	2.1	0.2		35.2		0.05	1.4	0.014	0.17	0.8	25	0.2			144.1	
1303999	2.3	0.3		17.2		0.06	0.8	0.013	0.2	1.2	53	0.2			198.8	
1304000	2.6	0.4		32.1		0.01	1.4	0.015	0.19	0.8	30	0.2			180.6	
1346001	1.1	0.1		76.3		0.03	0.5	0.002	0.21	0.4	8	0.05			16.1	
1346002	2.1	0.2		50.7		0.03	1.1	0.007	0.16	0.5	26	0.05			31.7	
1346003	3	0.05		239.7		0.01	1.3	0.001	0.34	0.5	11	0.05			33.6	
1346004	3.7	0.1		383.6		0.01	2.3	0.007	0.19	0.5	15	0.05			32.1	
1346005	2.2	0.1		78.5		0.01	0.9	0.007	0.17	0.6	17	0.05			16.6	
1346006	4.9	0.2		53.1		0.01	0.9	0.006	0.19	0.7	43	0.05			45.6	
1346007	15	0.1		64.3		0.01	3	0.003	0.15	0.6	127	0.05			73.7	
1346008	7.8	0.05		84.2		0.01	2.9	0.035	0.17	0.5	57	0.05			49.7	
1346009	5.9	0.1		539.4		0.01	2.7	0.02	0.26	0.6	40	0.05			53.8	
1346010	6.1	0.1		547.8		0.01	2.9	0.029	0.19	0.6	44	0.05			54.6	
1346011	6.7	0.2		209.1		0.01	3.5	0.01	0.25	0.5	41	0.05			76.1	
1346012	3.5	0.1		78.7		0.01	1.5	0.012	0.15	0.6	26	0.05			48.2	
1346013	8.1	0.3		47.9		0.1	3.4	0.003	0.15	0.6	31	0.05			69.9	
1346014	5.4	0.1		262.9		0.01	2.9	0.002	0.17	0.7	11	0.05			46.2	
1346015	0.3	0.2		70.2		0.01	0.05	0.0005	0.04	0.4	3	0.05			1.3	
1346016	0.8	0.2		56.5		0.01	0.3	0.004	0.09	0.7	13	0.05			33.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346017	LB	2012-07-29	UTM83-8	7126602	585797	1226	WH12000522	44	0.4	19.4	1	4	72.1		0.07	10.81	0.22		4.1	10		9	1.01	1.1			22	0.06	8.4		5.97	167	0.63	0.014		10	0.053				7.29		0.01	0.31		
1346018	LB	2012-07-29	UTM83-8	7126648	585798	1214	WH12000522	51	0.46	122.1	1.2	6	59.2		0.07	9.86	0.2		4	12.3		6.23	1.82	1.3			17	0.07	9.1		5.28	200	2.09	0.01		7.9	0.053				7.02		0.01	0.45		
1346019	LB	2012-07-29	UTM83-8	7126700	585797	1205	WH12000522	56	0.4	19.8	0.9	3	62.7		0.06	8.98	0.21		4.2	9.8		7.82	1.14	1.2			19	0.06	6.9		4.47	166	0.84	0.012		11	0.041				6.14		0.01	0.35		
1346020	LB	2012-07-29	UTM83-8	7126799	585796	1177	WH12000522	105	1.07	35.7	0.9	5	180.2		0.14	7.06	0.29		8.8	18.8		15.71	1.91	2.7			48	0.1	11.1		3.58	336	1.39	0.011		21	0.058				13.4		0.01	0.54		
1346021	LB	2012-07-29	UTM83-8	7126851	585798	1168	WH12000522	154	1.36	32.1	2.1	4	215.6		0.2	3.79	0.28		12	24.2		20.87	2.55	3.6			67	0.11	16		2.04	450	1.73	0.01		27.7	0.058				18.29		0.01	0.7		
1346022	LB	2012-07-29	UTM83-8	7126903	585800	1154	WH12000522	82	0.89	20.5	0.8	5	111.1		0.14	7.8	0.41		8	14.5		14.56	1.91	2.1			28	0.11	9.6		3.58	322	0.98	0.01		19.2	0.049				13.36		0.01	0.47		
1346023	LB	2012-07-29	UTM83-8	7126952	585801	1142	WH12000522	127	1.26	19.4	2.6	4	187.5		0.18	5.01	0.32		11.2	20.5		22.73	2.47	3.1			61	0.13	11.6		2.87	405	1.24	0.01		26.5	0.037				19.21		0.01	0.68		
1346024	LB	2012-07-29	UTM83-8	7126999	585799	1132	WH12000522	100	1.25	35.3	2.2	5	235.1		0.2	5.84	0.24		10.7	20.9		26.16	2.48	3.1			53	0.15	10.2		3.18	339	1.32	0.009		31.1	0.048				17.38		0.01	0.58		
1346025	LB	2012-07-29	UTM83-8	7127051	585798	1123	WH12000522	103	1.2	21.7	1.4	4	170.5		0.17	5.67	0.27		10.9	21		22.94	2.39	3			60	0.14	12		3.26	387	1.42	0.011		27.7	0.04				18.22		0.01	0.64		
1346026	LB	2012-07-29	UTM83-8	7127101	585798	1114	WH12000522	101	1.45	5.6	1.3	7	142.6		0.22	2.51	0.36		9.5	28.6		28.54	2.32	4.5			63	0.17	15.8		1.65	137	0.53	0.008		32.5	0.08				25.2		0.01	0.23		
1346027	LB	2012-07-29	UTM83-8	7127151	585797	1121	WH12000522	114	1.49	6.6	2	8	195.2		0.23	2.9	0.58		9.6	29		27.71	2.39	4.4			83	0.15	17.4		1.52	277	0.51	0.008		30.6	0.062				21.79		0.01	0.31		
1346028	LB	2012-07-29	UTM83-8	7127199	585795	1127	WH12000522	78	1.21	5.8	4.1	8	132.7		0.2	3	0.46		8.2	22.5		22.56	2.23	3.5			39	0.13	13.1		1.93	199	0.54	0.005		27.3	0.086				19.2		0.08	0.36		
1346029	LB	2012-07-29	UTM83-8	7127109	585600	1110	WH12000522	24	1.61	15.8	0.7	4	150.8		0.22	2.02	0.33		12.3	24.7		19.43	2.88	4.4			34	0.11	15.4		1.3	321	1.53	0.002		25.6	0.03				23.97		0.03	0.84		
1346030	LB	2012-07-29	UTM83-8	7126900	585604	1095	WH12000522	75	0.86	31.1	1.5	6	149.5		0.13	8.48	0.28		7.8	14.4		16.27	1.81	2			28	0.11	8.2		5.37	294	0.91	0.011		19.5	0.044				12.59		0.01	0.41		
1346031	LB	2012-07-29	UTM83-8	7126847	585600	1109	WH12000522	81	0.92	21.2	2.1	7	126.9		0.12	9.63	0.33		7.8	16		15.1	1.88	2.6			45	0.11	10		5.2	327	1.11	0.009		18.7	0.056				13.49		0.01	0.56		
1346032	LB	2012-07-29	UTM83-8	7126795	585600	1126	WH12000522	140	1.28	15.4	2.8	4	198.5		0.15	4.65	0.25		9.6	22.2		18.19	2.29	3.5			62	0.09	13		2.8	369	0.96	0.009		24.3	0.056				13.91		0.01	0.53		
1346033	LB	2012-07-29	UTM83-8	7126751	585599	1143	WH12000522	180	1.4	14.4	2.5	3	270.4		0.21	2.33	0.19		11.1	24.7		22.3	2.56	4			71	0.08	14.4		1.43	524	1.07	0.005		25.6	0.046				18.05		0.03	0.67		
1346034	LB	2012-07-29	UTM83-8	7126698	585598	1145	WH12000522	55	0.43	36.4	2.9	7	72.4		0.04	11.51	0.29		3.9	10.3		9.05	0.97	1.4			21	0.08	8.2		7.11	135	0.68	0.014		17.2	0.052				6.47		0.01	0.31		
1346035	LB	2012-07-29	UTM83-8	7126653	585599	1151	WH12000522	99	0.96	14.1	1.3	4	114.7		0.09	7.9	0.32		7.1	14.8		14.01	1.88	2.2			36	0.08	9.1		4.95	454	0.94	0.01		17	0.048				12.45		0.01	0.54		
1346036	LB	2012-07-29	UTM83-8	7126596	585597	1159	WH12000522	174	1.17	13.2	1.4	3	201.7		0.18	2.79	0.28		9.7	21.4		18.81	2.88	3.2			67	0.06	13.2		1.44	483	0.87	0.007		21.3	0.068				13.77		0.05	0.68		
1346037	LB	2012-07-29	UTM83-8	7126545	585601	1171	WH12000522	190	1.43	35.3	3.8	6	233.2		0.14	4.79	0.26		11.2	27.2		27.38	2.57	4.1			62	0.14	16.6		2.78	448	1.28	0.009		29.5	0.06				18.21		0.01	0.76		
1346038	LB	2012-07-30	UTM83-8	7127503	588798	1319	WH12000522	201	1.59	12.4	3.1	3	189.6		0.15	5.32	0.4		8.9	22.9		13.33	2.41	3.6			51	0.1	16.5		3.51	886	0.97	0.008		21.1	0.129				50.49		0.01	0.52		
1346039	LB	2012-07-30	UTM83-8	7127555	588797	1339	WH12000522	169	1.28	10.6	1	2	132.9		0.2	2.21	0.22		9.6	23.1		15.59	2.58	3			33	0.08	18.2		1.56	1081	0.89	0.004		23.3	0.099				24.37		0.02	0.64		
1346040	LB	2012-07-30	UTM83-8	7127602	588801	1354	WH12000522	165	1.22	11.6	0.1	3	104.9		0.26	0.18	0.15		10.1	22.3		20.94	2.94	3.7			45	0.12	12.7		0.44	430	1.47	0.0005		25.6	0.067				29.66		0.04	0.67		
1346041	LB	2012-07-30	UTM83-8	7127650	588799	1377	WH12000522	161	1.22	8.2	0.5	5	114.6		0.28	0.24	0.32		9.6	19		15.94	2.93	5.6			26	0.17	8.7		0.26	780	1.12	0.0005		13.3	0.076				20.18		0.04	0.45		
1346042	LB	2012-07-30	UTM83-8	7127704	588797	1403	WH12000522	123	1.73	7.2	1.5	4	100.9		0.15	0.41	0.13		11.8	40.2		21.69	2.67	6.2			41	0.12	22.8		1.64	320	0.56	0.0005		28.5	0.032				17.3		0.01	0.45		
1346043	LB	2012-07-30	UTM83-8	7127751	588797	1413	WH12000522	109	1.83	9.9	1.6	2	154.7		0.19	0.75	0.21		9.7	33.1		18.78	2.77	6			46	0.08	16.6		1.16	348	1.03	0.0005		23.9	0.053				20.41		0.04	0.58		
1346044	LB	2012-07-30	UTM83-8	7127800	588795	1400	WH12000522	156	1.8	7.9	2.9	2	133.4		0.16	0.64	0.17		9.3	42.8		21.26	2.39	6.2			81	0.07	27.4		1.9	414	0.61	0.0005		24.4	0.043				13.42		0.03	0.37		
1346045	LB	2012-07-30	UTM83-8	7127850	588800	1395	WH12000522	70	1.73	7	3	2	323.9		0.21	0.49	0.12		9.3	34.5		23.51	2.51	6			91	0.08	18		0.99	448	0.78	0.002		22.6	0.									

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346017	1.5	0.2	201.3		0.01	1.1	0.007	0.23	0.9	26	0.05				37.8	
1346018	1.9	0.1	322.1		0.01	1.1	0.005	0.12	1	30	0.05				39.4	
1346019	1.6	0.2	145.9		0.01	1.5	0.008	0.21	0.9	22	0.05				29.6	
1346020	2.6	0.3	106.3		0.01	1.1	0.008	0.83	2	31	0.1				58.4	
1346021	3.5	0.2	81.6		0.02	1.6	0.009	0.58	1	38	0.1				80.4	
1346022	2.6	0.1	80.8		0.01	1.5	0.006	0.38	0.9	23	0.05				64.2	
1346023	3.5	0.1	53		0.01	2.2	0.009	0.36	0.8	30	0.05				78.4	
1346024	3.5	0.3	72.3		0.03	2	0.005	1.24	0.9	27	0.05				76.2	
1346025	3.7	0.2	68.2		0.03	3.1	0.01	0.59	0.9	28	0.05				70.1	
1346026	4.5	0.6	56.2		0.03	3.4	0.007	0.21	1.4	21	0.05				162.3	
1346027	5.7	0.8	67.9		0.01	4.2	0.007	0.24	1.4	25	0.05				168.9	
1346028	3.7	0.5	63.2		0.01	2.8	0.008	0.18	1.2	20	0.05				160.9	
1346029	4.6	0.2	24.7		0.01	4	0.005	0.33	1.2	38	0.05				72.2	
1346030	2.5	0.1	108.2		0.03	1.9	0.007	1.55	0.9	24	0.05				60	
1346031	2.6	0.3	105.2		0.01	1.3	0.009	0.36	0.9	27	0.05				62.2	
1346032	3.3	0.2	47.5		0.01	2	0.014	0.22	0.7	37	0.1				68.5	
1346033	3.5	0.2	30.6		0.02	2.1	0.011	0.25	0.8	37	0.2				70.4	
1346034	1.5	0.3	298.5		0.01	1.1	0.005	0.29	1.1	27	0.05				48.6	
1346035	2	0.2	67.2		0.01	0.8	0.007	0.2	0.7	26	0.05				54.2	
1346036	2.4	0.3	32.5		0.02	1	0.012	0.17	0.8	34	0.2				64.3	
1346037	3.9	0.05	126.5		0.01	2.8	0.021	0.66	0.8	43	0.1				82.8	
1346038	3.3	0.1	34.1		0.06	1.9	0.015	0.3	1.8	39	0.1				150.3	
1346039	4.4	0.05	22.4		0.01	3.8	0.01	0.23	1.8	30	0.1				87.9	
1346040	3.4	0.2	19.5		0.03	2.9	0.005	0.24	1.4	25	0.05				104.5	
1346041	1.2	0.1	15		0.03	0.5	0.006	0.12	1.6	36	0.05				156.5	
1346042	5.7	0.3	29.2		0.01	5.6	0.01	0.16	2.4	35	0.05				79.2	
1346043	4.7	0.2	62.3		0.01	3	0.006	0.16	5.2	39	0.05				81.2	
1346044	5.3	0.6	35.1		0.01	3.5	0.015	0.12	5	40	0.05				73.4	
1346045	3.6	0.5	30.8		0.05	1.8	0.013	0.2	2.2	44	0.1				73.9	
1346046	4.1	0.5	20.3		0.01	3.8	0.017	0.13	2.4	37	0.1				61.8	
1346047	5.1	1.4	25.8		0.03	3.5	0.006	0.23	1.6	38	0.05				85.1	
1346048	6.3	0.8	72.1		0.01	3.3	0.01	0.29	1.9	43	0.05				95.6	
1346049	8	1.1	49.2		0.01	4.8	0.01	0.26	1.7	42	0.05				76.2	
1346050	4.6	0.8	49.2		0.01	1.9	0.009	0.16	3.3	35	0.05				74	
1346051	2.5	0.3	65.8		0.01	2.6	0.017	0.16	0.6	25	0.1				54.5	
1346052	10.5	0.4	40.1		0.01	2.6	0.003	0.81	0.6	72	0.05				122.4	
1346053	9.2	0.2	19.1		0.01	3.1	0.021	0.14	0.5	81	0.1				83.7	
1346054	14.6	0.3	26		0.03	1.2	0.009	0.09	0.3	113	0.05				75.7	
1346055	5.1	0.7	102.2		0.04	1.9	0.054	0.13	0.5	49	0.05				79.1	
1346056	3.3	0.4	52.4		0.06	1.2	0.016	0.18	0.4	27	0.05				58	
1346057	6.4	0.6	26.4		0.09	3.6	0.009	0.12	1.1	32	0.05				96.8	
1346058	4.1	0.5	10.9		0.17	2.8	0.005	0.13	0.5	23	0.05				76.4	
1346059	5.1	0.5	19.2		0.39	3.4	0.005	0.11	0.4	21	0.05				106.8	
1346060	2.2	0.4	65.4		0.09	2	0.006	0.46	0.5	20	0.05				48	
1346061	2	0.2	59.9		0.03	1	0.005	0.2	0.5	20	0.05				49.2	
1346062	2.7	0.3	61.8		0.06	1.4	0.003	0.3	0.6	17	0.05				48.4	
1346063	2.9	0.3	73.7		0.03	2	0.003	0.32	1	12	0.05				35.9	
1346064	2.4	0.4	89.1		0.01	1.5	0.005	0.23	0.4	15	0.05				45.6	
1346065	2	0.3	59.7		0.01	1.8	0.018	0.1	0.6	27	0.1				47	
1346066	2.5	0.3	48.2		0.02	1.1	0.012	0.15	0.6	32	0.1				66	
1346067	3.4	0.2	40.8		0.03	3.7	0.032	0.13	0.6	37	0.2				69.2	
1346068	2.2	0.3	74		0.02	1.2	0.008	0.13	0.6	21	0.05				46.6	
1346069	4.1	0.4	44		0.07	1.1	0.012	0.22	0.5	40	0.1				77.3	
1346071	12.1	0.3	13.3		0.02	2.3	0.007	0.11	0.4	138	0.05				73.9	
1346073	4.8	0.05	67.7		0.03	5.3	0.012	0.26	1.3	28	0.1				83.3	
1346074	3.3	0.05	76.6		0.03	3.2	0.013	0.18	1	25	0.05				78.3	
1346075	3.2	0.2	88		0.03	3	0.013	0.54	1.2	34	0.05				61.7	
1346076	1.6	0.05	100.5		0.01	1.5	0.012	0.18	1	21	0.05				25.9	
1346077	3.1	0.3	87.4		0.04	1.2	0.01	0.33	1.3	43	0.1				97.8	
1346078	2.7	0.2	110.1		0.01	1.7	0.014	0.23	1.1	31	0.1				53.3	
1346079	3.1	0.2	152.3		0.04	1.3	0.011	0.31	1.2	44	0.05				84.7	
1346080	2.2	0.1	140.2		0.02	1.1	0.009	0.15	1.3	30	0.1				43.6	
1346081	2.8	0.2	193		0.03	1.6	0.012	0.19	1.3	47	0.1				80.5	
1346082	2.9	0.2	129.1		0.03	1.4	0.015	0.24	1.5	43	0.1				73.8	
1346083	1	0.1	179.8		0.01	1.1	0.006	0.14	1.8	26	0.05				17.6	
1346084	2.1	0.2	175.4		0.05	1	0.009	0.33	1.3	44	0.05				68.8	
1346085	2	0.1	156.3		0.01	2.4	0.017	0.34	1.5	24	0.05				36.2	
1346086	3.2	0.3	128.9		0.03	1.8	0.011	0.42	1.4	37	0.05				71.4	
1346087	4.1	0.3	179.2		0.04	2.9	0.017	0.42	2.8	76	0.1				112	
1346088	3	0.05	112.7		0.01	2.1	0.015	0.22	1.8	52	0.1				69.7	
1346089	3.4	0.3	87.4		0.04	1.4	0.013	0.23	1.4	45	0.2				95.8	
1346090	3.2	0.2	73.3		0.01	1.5	0.012	0.24	1.4	38	0.1				81.2	
1346091	3.9	0.2	71.1		0.01	2.7	0.01	0.22	1.3	31	0.05				77.5	
1346092	5.3	0.4	49.2		0.01	3.7	0.011	0.31	2.6	34	0.05				115.9	
1346093	7.6	0.1	57		0.01	4.9	0.013	0.14	2.1	28	0.05				64.1	
1346094	3.2	0.3	259.3		0.06	4.1	0.007	0.35	2.6	64	0.05				74.4	
1346095	1.8	0.2	295.3		0.04	1.1	0.006	0.4	1.8	67	0.05				77.4	
1346096	2.1	0.3	345		0.01	1.5	0.005	0.47	1.6	58	0.05				70.7	
1346097	2	0.2	86		0.04	0.6	0.008	0.36	1.4	36	0.05				57.1	
1346098	3.1	0.1	94.7		0.01	2.3	0.012	0.3	1.4	33	0.05				63	
1346099	4.1	0.05	70.6		0.04	3.2	0.016	0.26	1.2	39	0.05				91.6	
1346100	4.7	0.1	95.6		0.03	2.8	0.011	0.27	1.4	43	0.1				88.3	
1346101	4.4	0.2	22.4		0.06	1.7	0.003	0.19	1.1	43	0.05				102.8	
1346102	4.4	0.05	36.6		0.01	2	0.009	0.19	1	40	0.05				80	
1346103	3.4	0.2	24		0.01	1.8	0.005	0.14	1.1	35	0.05				76	
1346104	3.9	0.1	20.2		0.03	1.8	0.005	0.23	2	46	0.05				115.1	
1346105	4	0.2	23.2		0.01	1.6	0.004	0.19	0.7	26	0.05				82.6	
1346106	5.6	1.6	77.2		0.01	2.3	0.002	0.54	4.8	20	0.05				123.5	
1346107	6	0.5	36.8		0.03	2.2	0.002	0.16	1.3	21	0.05				102.2	
1346151	4.7	0.4	56.9		0.03	2.7	0.005	0.23	2.2	40	0.05				200.5	
1346152	6.9	0.1	25.6		0.01	5.4	0.005	0.18	1.5	33	0.05				118.3	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346153	SD	2012-07-30	UTM83-8	7127452	588200	1363	WH112000525	183	1.75	16.1	1.4	4	159.5		0.31	1.53	0.23	17.6	17.6	27.6	35.79	3.68	4.9	72	0.16	16.5	1.18	658	1.12	0.006						35.5	0.051			30.65			0.01	0.62		
1346154	SD	2012-07-30	UTM83-8	7127399	588196	1367	WH112000525	209	1.26	21.5	1.3	4	169.6		0.24	2.74	0.66	15.4	15.4	21.7	40.11	3.49	3.5	118	0.11	13.3	1.72	898	1.7	0.008					31	0.087			52.23			0.04	1.44			
1346155	SD	2012-07-30	UTM83-8	7127349	588199	1380	WH112000525	194	1.28	21.6	2.8	4	148		0.25	2.17	0.65	16	16	21.9	35.64	3.38	3.6	83	0.1	13.8	1.2	701	1.53	0.007					31.4	0.085			49.21			0.04	1.78			
1346156	SD	2012-07-30	UTM83-8	7127302	588196	1397	WH112000525	85	0.85	21.3	0.9	5	85.4		0.13	8.92	0.42	8.2	8.2	17.2	15.51	2.06	2	36	0.1	11.3	4.76	294	2.21	0.008					27.3	0.063			11.78			0.04	0.54			
1346157	SD	2012-07-30	UTM83-8	7127246	588399	1408	WH112000525	107	1.09	16.4	1.1	6	101.3		0.19	6.82	0.46	9.1	9.1	18.8	19.7	2.26	2.4	23	0.11	11	3.88	421	1.91	0.01					21.9	0.065			15.85			0.06	0.66			
1346158	SD	2012-07-30	UTM83-8	7127299	588398	1392	WH112000525	100	1.01	16.4	1	4	93.6		0.16	7.41	0.38	9.2	9.2	16.2	19.36	2.16	2.2	38	0.1	9.9	4.11	461	2.14	0.011					18.7	0.057			15.38			0.05	0.68			
1346159	SD	2012-07-30	UTM83-8	7127351	588399	1368	WH112000525	108	1.16	21.2	1.4	4	118.2		0.2	5.71	0.45	11.7	11.7	18.3	24.24	2.61	2.8	36	0.11	10.6	3.17	555	3.88	0.01					23.5	0.062			18.98			0.06	0.82			
1346160	SD	2012-07-30	UTM83-8	7127403	588397	1349	WH112000525	124	1.36	28.3	1.2	3	174		0.24	3.11	0.31	16.5	16.5	22.4	27.54	3.05	3.8	62	0.1	13.8	1.78	832	2.1	0.009					36.2	0.053			23.94			0.05	0.87			
1346161	SD	2012-07-30	UTM83-8	7127455	588403	1333	WH112000525	133	1.27	19.5	1.4	3	129.5		0.21	4.42	0.32	10.8	10.8	20.8	22.39	2.57	3.5	53	0.1	12.1	2.38	486	1.47	0.01					23.2	0.077			22.04			0.05	0.67			
1346162	SD	2012-07-30	UTM83-8	7127500	588399	1323	WH112000525	146	1.05	22.2	0.6	3	118.4		0.26	3.77	0.44	13.9	13.9	18.3	29.19	3.17	2.7	62	0.12	14.9	2.16	704	1.82	0.007					26.2	0.062			36.64			0.04	0.86			
1346163	SD	2012-07-30	UTM83-8	7127549	588398	1319	WH112000525	124	1.26	15.3	0.5	3	102.5		0.3	3.89	0.21	13	13	18.6	22.05	3.05	3.6	43	0.15	11.7	2.19	637	1.48	0.008					25.2	0.056			27.59			0.05	0.44			
1346164	SD	2012-07-30	UTM83-8	7127604	588401	1336	WH112000525	141	1.57	14.6	2.6	3	130.8		0.28	0.89	0.41	11	11	31.5	22.77	2.9	4.9	60	0.09	21.5	0.66	520	1.52	0.002					27.7	0.07			21.28			0.05	0.53			
1346165	SD	2012-07-30	UTM83-8	7127701	588396	1326	WH112000525	94	0.89	16.5	0.8	3	108.2		0.19	7.25	0.35	10	10	16	19.84	2.25	2.4	35	0.09	11.7	4.2	494	2.15	0.005					21.9	0.041			25.34			0.04	0.41			
1346166	SD	2012-07-30	UTM83-8	7127748	588398	1314	WH112000525	117	1.13	17.2	1.4	4	92.8		0.22	4.46	0.39	12.7	12.7	21.5	25.91	2.73	3	55	0.1	15	2.82	517	1.7	0.004					27.2	0.055			43.32			0.04	1.4			
1346167	SD	2012-07-30	UTM83-8	7127801	588395	1305	WH112000525	55	1.76	11.8	0.8	4	158.1		0.22	0.36	0.33	11.9	11.9	38.5	18.89	2.94	6	42	0.11	18.1	1.28	528	1.22	0.0005					26.4	0.069			19.79			0.03	0.45			
1346168	SD	2012-07-30	UTM83-8	7127734	588228	1278	WH112000525	150	1.02	18.7	1.3	7	138.5		0.25	1.93	0.48	12.1	12.1	19.7	30.39	2.92	3	86	0.14	13.6	1.1	386	1.74	0.002					29.9	0.081			30.56			0.07	0.53			
1346501	LB	2012-07-24	UTM83-8	7128256	597498	1429	WH112000497	66	1.65	13.9	0.6	3	120.8		0.25	0.2	0.33	10.4	10.4	26.2	18.3	3.53	5.8	42	0.1	13.3	0.33	1413	1.5	0.0005					23	0.095			61.05			0.05	0.44			
1346502	LB	2012-07-24	UTM83-8	7128203	597499	1430	WH112000497	525	0.78	22.8	0.8	2	201.7		0.09	8.77	1.58	7.4	7.4	10.5	15.35	3.59	1.9	307	0.04	7.5	4.96	3643	1.04	0.008					13.2	0.094			67.88			0.05	5.94			
1346503	LB	2012-07-24	UTM83-8	7128151	597499	1432	WH112000497	194	1.73	14.8	0.4	3	153.9		0.18	3.56	2.16	10.7	10.7	24	18.24	6.05	3.9	90	0.1	22.4	2.1	4707	2.01	0.003					27.3	0.182			505.6			0.05	0.35			
1346504	LB	2012-07-24	UTM83-8	7128100	597498	1430	WH112000497	62	0.39	5.1	0.1	2	41.6		0.06	10.27	1.26	4.3	4.3	7.2	6.62	2.62	1.4	36	0.07	5	6.13	1454	0.65	0.006					9.3	0.055			150.33			0.01	0.13			
1346505	LB	2012-07-24	UTM83-8	7128052	597498	1427	WH112000497	45	1.62	11.1	0.3	3	123.6		0.18	0.24	0.5	12	12	22.8	16.27	3.29	4.4	18	0.08	24.5	0.45	2296	1.04	0.001					28.2	0.098			97.43			0.02	0.41			
1346506	LB	2012-07-24	UTM83-8	7128002	597501	1426	WH112000497	58	0.45	6.2	0.1	2	50.6		0.07	12.55	1.51	4.9	4.9	7.5	6.31	4.29	1.5	26	0.06	6.1	7.66	1810	0.63	0.009					11.6	0.066			760.52			0.01	0.13			
1346507	LB	2012-07-24	UTM83-8	7127949	597499	1422	WH112000497	67	1.44	7	1.9	2	138.8		0.3	0.17	0.12	17.1	17.1	24	18.7	3.42	4.5	28	0.15	9.6	0.38	902	0.86	0.002					29.8	0.059			62.45			0.01	0.3			
1346508	LB	2012-07-24	UTM83-8	7127900	597505	1425	WH112000497	38	0.76	5.8	0.2	2	78.1		0.31	0.16	0.22	16.6	16.6	11.6	31.29	3.06	2.6	35	0.13	5.4	0.14	1175	0.46	0.003					19.7	0.092			122.97			0.02	0.23			
1346509	LB	2012-07-24	UTM83-8	7127853	597502	1431	WH112000497	21	1.38	10.2	7.1	1	127.1		0.28	0.12	0.21	16	16	23.5	25.87	3.62	4.9	14	0.1	8	0.33	1508	1.03	0.001					25.9	0.07			166.92			0.03	0.38			
1346510	LB	2012-07-24	UTM83-8	7127824	597633	1432	WH112000497	278	0.19	57.4	0.1	2	123.2		0.29	0.06	0.005	4	4	2.8	13.95	5.38	0.9	47	0.22	0.9	0.04	74	0.36	0.005					4.8	0.014			263.81			0.46	2.02			
1346511	LB	2012-07-25	UTM83-8	7128899	600297	1510	WH112000497	51	1.6	10.3	1.8	2	142.9		0.18	0.48	0.2	9.2	9.2	32	30.02	2.48	5.1	47	0.07	22.5	1.09	228	0.58	0.003					17.1	0.073			20.15			0.04	0.31			
1346512	LB	2012-07-25	UTM83-8	7128851	600301	1503	WH112000497	52	1.51	5.9	2.8	2	452.9		0.19	0.66	0.19	11.2	11.2	31.4	18.54	2.59	5.2	49	0.07	18.2	1.03	557	0.83	0.002					26.2	0.121			18.47			0.07	0.35			
1346513	LB	2012-07-25	UTM83-8	7128802	600298	1493	WH112000497	54	1.47	3.2	0.3	2	287.3		0.23	0.2	0.09	9	9	31.2	18.54	2.59	7.2	24	0.09	22.2	0.94	471	0.89	0.0																

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346153	6.9	0.1	34.4		0.05	6.3	0.002	0.26	1	29	0.05				95.5	
1346154	4.8	0.2	82.1		0.03	2.7	0.006	0.31	1.3	38	0.05				192.4	
1346155	4.9	0.3	82.3		0.01	2.8	0.007	0.34	1.2	38	0.05				168.6	
1346156	2.4	0.05	147.3		0.07	1.5	0.006	0.39	0.9	40	0.1				71.3	
1346157	2.4	0.3	65.9		0.04	1.1	0.006	0.26	1	37	0.05				76.8	
1346158	2.4	0.2	75.7		0.01	1	0.005	0.27	1.3	37	0.05				59.9	
1346159	2.6	0.2	60.9		0.08	1.1	0.003	0.35	1.2	36	0.05				81.8	
1346160	3.9	0.3	40		0.05	2.1	0.007	0.46	1.2	36	0.05				83.7	
1346161	3.2	0.2	51.9		0.03	1.5	0.007	0.36	1.3	36	0.05				84.1	
1346162	4.5	0.1	45.9		0.02	2.8	0.003	0.28	1.3	26	0.05				99.3	
1346163	4.7	0.1	43.2		0.03	2.7	0.002	0.29	1.4	24	0.05				70.1	
1346164	4.2	0.4	49.2		0.02	2.5	0.008	0.24	4.6	39	0.1				81.2	
1346165	3.4	0.05	78.7		0.05	2.3	0.003	0.3	2	22	0.05				78	
1346166	4.4	0.3	52		0.06	3	0.004	0.3	1.8	26	0.05				91.3	
1346167	4.2	0.5	23.5		0.01	3.5	0.012	0.18	2.2	43	0.1				127.4	
1346168	4	1.2	79.4		0.05	2.6	0.004	0.47	2.1	29	0.05				185.7	
1346501	1.9	0.05	5.8		0.07	0.7	0.008	0.46	1.7	36	0.05				204.7	
1346502	1.9	0.5	36.4		0.03	0.5	0.008	0.23	1	20	0.1				214.9	
1346503	4.5	0.6	17.6		0.03	2.6	0.006	1.65	2.8	22	0.05				1176.4	
1346504	1.8	0.05	27.9		0.01	1.4	0.003	0.87	1.1	7	0.05				686.6	
1346505	3.7	0.05	7.7		0.01	2.2	0.01	0.38	1.5	30	0.2				267.5	
1346506	1.9	0.3	35		0.01	1.5	0.005	1.81	1.2	6	0.05				1438.7	
1346507	5.9	0.05	8.1		0.01	2.9	0.006	0.2	1.6	24	0.05				113.5	
1346508	6.7	0.05	9.4		0.01	2.9	0.002	0.26	1.3	15	0.05				95.4	
1346509	3.3	0.05	9.9		0.03	2.2	0.007	0.25	0.9	30	0.1				179.1	
1346510	1.9	0.05	4.4		0.01	1.5	0.0005	0.32	0.05	6	0.05				70.2	
1346511	5.3	0.2	15.8		0.01	2.9	0.013	0.09	1.5	30	0.1				88.3	
1346512	4.7	0.4	20.3		0.01	1.9	0.009	0.11	1.7	30	0.05				83	
1346513	1.3	0.05	10.1		0.03	0.9	0.008	0.11	0.7	34	0.05				87.2	
1346514	1.8	0.2	11.1		0.04	1.2	0.006	0.08	0.8	29	0.05				104.2	
1346515	6.6	0.3	22.1		0.01	3.3	0.008	0.11	5.6	37	0.05				127.8	
1346516	5	0.05	10.3		0.01	4.7	0.006	0.08	2.8	26	0.05				105.6	
1346517	1.2	0.05	8.4		0.01	0.6	0.006	0.11	1.6	36	0.05				93.6	
1346518	3.5	0.3	40.1		0.03	2.6	0.005	0.16	3	22	0.05				169	
1346519	3.1	0.3	41.1		0.07	1.8	0.009	0.08	4.3	25	0.1				128.8	
1346520	2.9	0.05	24.7		0.03	1.6	0.009	0.12	3.1	34	0.2				155.5	
1346521	3	0.2	11.4		0.03	2	0.005	0.16	1.5	34	0.05				83.9	
1346522	3.6	0.05	10.6		0.03	3.1	0.012	0.14	1.2	37	0.2				112.9	
1346523	2.2	0.3	9.7		0.03	1.2	0.011	0.15	1	41	0.2				81.5	
1346524	2.3	0.05	9.7		0.02	1.3	0.008	0.16	1.3	37	0.2				93.2	
1346525	3.1	0.3	18.5		0.02	1.9	0.019	0.14	1.4	38	0.3				98.6	
1346526	2.6	0.2	11.3		0.01	1.4	0.009	0.16	1	34	0.1				96.9	
1346527	3.3	0.05	19.4		0.04	1.9	0.019	0.16	1.5	39	0.2				188.9	
1346528	3.6	0.1	21.9		0.04	2.1	0.012	0.49	1.4	34	0.1				158.1	
1346529	3.4	0.1	17.3		0.02	2.1	0.019	0.18	1.3	47	0.2				112.1	
1346530	3.2	0.05	11.8		0.01	2	0.011	0.13	1	40	0.2				85.2	
1346531	3.3	0.3	17.7		0.02	1.7	0.018	0.24	1.8	42	0.2				164.8	
1346532	2.9	0.5	16.5		0.04	1.2	0.014	0.22	1.6	43	0.2				148.8	
1346533	2.2	0.3	33		0.03	1	0.009	0.17	1.5	34	0.2				71.3	
1346534	4.1	0.6	12.2		0.05	1.7	0.009	0.24	2.3	37	0.2				102.3	
1346535	2.9	0.4	27.7		0.03	1.5	0.015	0.21	1.1	36	0.2				276.5	
1346536	2	0.4	23.9		0.03	0.7	0.008	0.29	1.9	34	0.1				160.6	
1346537	3.6	0.2	20.1		0.02	2.2	0.017	0.2	1	43	0.2				331.3	
1346538	2	0.4	29.5		0.02	0.9	0.007	0.18	1	27	0.1				209.3	
1346539	2.7	0.4	13.6		0.05	1.2	0.011	0.27	1.3	44	0.1				175	
1346540	2.8	0.4	10.7		0.05	1.3	0.007	0.33	1.3	40	0.1				397.5	
1346541	2.4	0.3	10.4		0.05	1.1	0.011	0.21	1.1	45	0.2				188.2	
1346542	2.4	0.3	164.3		0.06	1	0.007	0.23	1.1	38	0.1				117	
1346543	5.3	0.6	30.7		0.08	3.7	0.015	0.5	1.7	54	0.2				506.9	
1346544	3	0.5	82.5		0.06	2.7	0.005	1.29	0.5	20	0.05				155	
1346545	3.1	1.8	74.6		0.18	3	0.004	1.21	0.5	17	0.05				109.6	
1346546	3.6	0.6	42.6		0.04	1.4	0.009	0.37	0.9	45	0.2				313.9	
1346547	5.4	0.4	51.5		0.03	2.6	0.014	0.45	0.8	46	0.2				155.5	
1346548	3.7	0.2	102.7		0.04	1.3	0.008	0.26	0.9	39	0.2				174.6	
1346549	0.7	0.4	34.5		0.01	0.6	0.001	23.05	2.2	3	0.05				4882.8	
1346550	2.3	0.2	38.8		0.01	2.2	0.006	1.25	0.9	17	0.05				692.1	
1346551	3.4	0.4	28.1		0.05	1.5	0.011	0.29	2	48	0.2				105	
1346552	3.6	0.5	35.2		0.04	1.1	0.007	0.4	2.1	42	0.2				162.5	
1346553	4.3	0.8	33.3		0.05	1.3	0.005	0.34	1.6	32	0.1				103.4	
1346554	3.4	0.1	12.4		0.02	3.2	0.008	0.16	0.6	38	0.2				89.6	
1346555	2.9	0.3	18.7		0.03	1.3	0.007	0.16	0.9	40	0.1				67.6	
1346556	3.2	0.6	17.1		0.04	1.3	0.009	0.13	1.2	36	0.1				174.9	
1346557	5	0.3	13.3		0.05	4.5	0.024	0.14	0.7	39	0.1				93.5	
1346558	5.3	0.5	20.7		0.04	1.7	0.009	0.16	0.6	31	0.1				116.6	
1346559	4.5	0.3	12.8		0.02	3	0.013	0.19	0.7	43	0.2				69.5	
1346560	3.1	0.5	33		0.01	1	0.004	0.27	0.6	22	0.05				267.9	
1346561	3.8	0.3	13.5		0.05	2.2	0.018	0.17	1.2	45	0.2				98	
1346562	4	0.3	12.4		0.03	1.4	0.013	0.28	1.4	54	0.1				237	
1346563	3.5	0.4	16.7		0.03	1.3	0.007	0.19	0.7	41	0.1				138.7	
1346564	5.2	0.3	7.1		0.05	1.8	0.006	0.4	1.5	47	0.2				139.1	
1346565	4.7	0.3	11.9		0.04	3.2	0.016	0.22	1	46	0.2				88.7	
1346566	3.7	0.3	17.7		0.04	4	0.02	0.17	0.9	39	0.2				95.8	
1346567	4.3	0.3	19.2		0.03	3.1	0.014	0.24	1.3	41	0.2				107.9	
1346568	5.1	0.4	15.6		0.04	3.8	0.011	0.22	1.4	39	0.2				133.8	
1346570	4.4	0.2	12.8		0.04	3.6	0.004	0.14	0.8	33	0.05				88.9	
1346571	3.8	0.3	26.7		0.04	1.8	0.006	0.13	3.3	34	0.1				63.6	
1346572	5.3	0.5	17.7		0.03	2.4	0.005	0.14	4.3	29	0.05				103.7	
1346573	5.2	0.4	18.8		0.03	2.8	0.008	0.11	3.8	31	0.1				92.2	
1346574	3	0.3	25		0.03	1.8	0.008	0.13	1.9	37	0.1				93.4	
1346575	3.9	0.4	20.4		0.01	2.3	0.007	0.13	1.4	38	0.1				76.1	
1346576	3.3	0.4	10.7		0.03	2.3	0.005	0.14	1.7	31	0.05				112.8	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346577	FT	2012-07-25	UTM83-8	7128551	600497	1387	WH112000497	82	1.71	6.3	4.9	2	110.1		0.26	0.12	0.17	7.7	31.8	15.47	2.45	5.7		27		0.06	14		0.82	276	0.77	0.0005		23.1	0.077			13.59			0.03	0.34				
1346578	FT	2012-07-25	UTM83-8	7128454	600496	1351	WH112000497	465	0.8	8	6.6	6	54.3		0.16	5.09	0.49	9.7	23.2	23.79	1.82	2.9		148		0.11	16		2.8	444	1.77	0.007		21.6	0.095			15.28			0.08	0.37				
1346579	FT	2012-07-25	UTM83-8	7128342	600493	1415	WH112000497	181	1.34	10.1	2.9	2	136.5		0.22	1.66	0.29	13	23.5	23.21	3.04	3.9		81		0.06	15.7		0.84	565	1.14	0.003		29.6	0.055			18.93			0.04	0.58				
1346580	FT	2012-07-25	UTM83-8	7128294	600499	1416	WH112000497	60	1.8	10.2	1.1	2	160.1		0.25	0.45	0.17	13.9	26.4	21.94	3.65	5.1		26		0.06	10.2		0.46	787	1.21	0.0005		29.9	0.075			21.18			0.04	0.64				
1346581	FT	2012-07-25	UTM83-8	7128241	600497	1411	WH112000497	46	1.75	9.6	0.8	2	175.4		0.26	0.5	0.22	13.6	24.4	23.01	3.55	4.9		32		0.06	8.7		0.42	658	1.23	0.0005		29	0.094			21.74			0.04	0.61				
1346582	FT	2012-07-25	UTM83-8	7128201	600495	1407	WH112000497	61	1.3	7.8	0.6	2	103.3		0.25	0.21	0.26	11.3	21.4	17.4	2.96	3.9		28		0.06	7.8		0.45	481	0.95	0.0005		23.7	0.067			13.88			0.02	0.45				
1346583	FT	2012-07-25	UTM83-8	7128150	600498	1401	WH112000497	62	1.63	8.7	1.6	2	126.3		0.25	0.14	0.25	10.7	24.6	16.1	3.12	4.5		34		0.06	12.3		0.36	506	1.14	0.0005		24.2	0.09			20.66			0.04	0.53				
1346584	FT	2012-07-25	UTM83-8	7128101	600493	1402	WH112000497	53	1.53	9.2	9.1	2	139.8		0.24	0.49	0.23	11.3	23.2	19.3	3.25	5		29		0.06	9.8		0.37	599	1.27	0.0005		23.5	0.08			19.12			0.03	0.56				
1346585	FT	2012-07-25	UTM83-8	7128043	600501	1387	WH112000497	210	1.59	11.4	3.8	2	173.3		0.22	0.39	0.29	14.3	29	24.49	3.17	4.2		59		0.07	16.8		0.58	701	1.2	0.005		33.8	0.097			19			0.02	0.76				
1346586	FT	2012-07-25	UTM83-8	7127992	600500	1398	WH112000497	173	1.49	11.3	1.5	2	159.8		0.23	0.54	0.22	14.6	23.4	23.07	3.41	3.9		50		0.06	13.1		0.53	726	1.12	0.003		30.5	0.098			20.76			0.03	0.72				
1346587	FT	2012-07-25	UTM83-8	7127948	600497	1404	WH112000497	138	0.65	3.4	0.3	1	43.6		0.28	0.13	0.04	10.2	8.2	23.79	2.71	1.4		46		0.06	2.3		0.22	174	0.35	0.0005		26.3	0.021			22.73			0.01	0.17				
1346588	FT	2012-07-25	UTM83-8	7127899	600495	1406	WH112000497	247	1.69	9.2	1.2	2	206.7		0.2	0.59	0.2	10.2	24.6	19.31	3.46	3.4		58		0.06	14.8		0.46	1378	1.06	0.002		29.9	0.1			26.48			0.06	0.54				
1346589	FT	2012-07-25	UTM83-8	7127793	600501	1381	WH112000497	267	0.41	11.9	0.4	3	29.4		0.13	7.03	0.2	6.7	9	11.13	1.93	0.8		45		0.06	4.2		3.51	659	0.92	0.006		17	0.094			61.58			0.04	0.31				
1346590	FT	2012-07-25	UTM83-8	7127749	600498	1368	WH112000497	131	0.87	7.9	1.4	2	99.6		0.13	4.21	0.37	9.7	16.9	18.25	2.33	2.7		48		0.05	9.6		2.45	558	0.87	0.007		22.3	0.085			21.37			0.04	0.58				
1346591	FT	2012-07-25	UTM83-8	7127649	600497	1364	WH112000497	112	1.08	7.6	0.5	2	137.5		0.16	5.77	0.66	9	20.1	10.19	2.32	3.1		32		0.05	9.1		3	1516	0.87	0.006		15.8	0.116			40.85			0.04	0.46				
1346592	FT	2012-07-25	UTM83-8	7127602	600503	1363	WH112000497	180	1.21	8.7	1.9	2	113.9		0.17	2.83	0.36	9.3	23.3	13.86	2.58	3.5		56		0.05	11.3		1.8	673	0.95	0.007		23.2	0.086			33.97			0.04	0.58				
1346593	FT	2012-07-25	UTM83-8	7127556	600498	1356	WH112000497	138	1.36	9.7	1.3	2	118.9		0.19	2.24	0.46	10.6	24.3	15.3	2.95	3.8		62		0.05	12.2		1.55	881	1.07	0.005		23.6	0.075			29.4			0.03	0.63				
1346594	FT	2012-07-25	UTM83-8	7127502	600503	1354	WH112000497	52	1.95	10.1	0.4	2	141.2		0.2	0.78	0.7	10.4	27.1	13.57	3.54	4.4		35		0.05	13.6		0.62	1897	1.26	0.001		22.8	0.141			124.53			0.06	0.54				
1346595	FT	2012-07-25	UTM83-8	7127458	600498	1339	WH112000497	12	1.35	9.1	0.6	0.5	163.7		0.24	0.16	0.18	10.1	23.3	12.28	2.96	5.8		14		0.05	9.4		0.34	781	1.47	0.001		16.4	0.058			23.77			0.02	0.56				
1346596	FT	2012-07-25	UTM83-8	7127400	600494	1317	WH112000497	24	1.57	9.5	0.5	2	124.8		0.23	0.39	0.35	10.6	23.1	13.5	3.08	5.2		43		0.05	8.6		0.42	714	1.42	0.0005		18.6	0.068			26.83			0.04	0.59				
1346597	FT	2012-07-25	UTM83-8	7127353	600504	1300	WH112000497	136	1.15	8.1	1.7	2	106.8		0.16	2.99	1.12	7.3	20.4	13.69	2.9	3.3		43		0.05	10.2		1.63	1137	1.16	0.005		18.4	0.122			68.23			0.08	0.46				
1346598	FT	2012-07-25	UTM83-8	7127303	600504	1298	WH112000497	28	1.36	8.2	1.9	0.5	134.6		0.24	0.19	0.18	8.4	21.9	11.09	2.79	5.5		25		0.05	8.3		0.36	546	1.27	0.001		16.2	0.062			18.69			0.02	0.46				
1346600	FT	2012-07-26	UTM83-8	7128893	600898	1373	WH112000497	318	1.6	10	1	2	143.4		0.22	0.21	0.16	21.9	23.6	40.15	3.02	4.2		116		0.08	16.6		0.32	1025	1.03	0.005		30.4	0.299			20.19			0.12	0.56				
1346601	JPL	2012-07-24	UTM83-8	7131051	597501	1347	WH112000497	49	1.91	9.8	1.6	2	236.1		0.25	0.41	0.08	7.6	27.9	17.09	3.13	5.6		48		0.07	12.8		0.53	213	0.74	0.003		20.6	0.105			19.78			0.03	0.54				
1346602	JPL	2012-07-24	UTM83-8	7131097	597499	1345	WH112000497	42	1.43	11.4	1.5	1	150.3		0.21	2.5	0.12	12.7	25	25.73	3	4.1		59		0.06	18		0.49	412	0.79	0.005		32.4	0.076			23.4			0.01	0.88				
1346603	JPL	2012-07-24	UTM83-8	7131151	597499	1341	WH112000497	58	1.76	11.6	2.1	2	215.6		0.25	0.48	0.25	10.8	28	17.1	3.33	5.3		42		0.07	15.6		0.63	555	0.91	0.005		24.6	0.067			26.19			0.01	0.75				
1346604	JPL	2012-07-24	UTM83-8	7131203	597502	1336	WH112000497	238	1.16	16.8	1.5	2	217.1		0.23	0.75	0.56	24.2	21.9	34.46	7.6	3.3		182		0.07	19.2		0.65	2011	1.45	0.005		36	0.08			45.57			0.03	1.77				
1346605	JPL	2012-07-24	UTM83-8	7131249	597499	1329	WH112000497	188	1.34	12.6	3.4	3	197.7		0.22	0.96	0.5	11.1	25.6	31.25	3.43	3.6		95		0.07	18.3		0.8	597	0.9	0.008		30.6	0.085			23.99			0.01	1.15				
1346606	JPL	2012-07-24	UTM83-8	7131300	597499	1329	WH112000497	87	1.33	13.1	3.8	2	148.7		0.19	0.22	0.34	9.9	21.5	21.15	3.8	3.8		84		0.06	12.7		0.35	662	0.98	0.003		24.1	0.076			25.62			0.01	1.47				
1346607	JPL	2012-07-24	UTM83-8	7131353	597498	1331	WH112000497	41	1.87	12.5	2.1	2	242.6	</																																

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346577	1.4	0.2		8.7		0.03	0.7	0.007	0.13	1.6	35	0.1			90.4	
1346578	3.4	1		116.6		0.03	2.3	0.006	0.21	3.6	25	0.05			77.4	
1346579	4	0.3		43.9		0.05	2.8	0.008	0.13	2.1	34	0.1			84	
1346580	3.1	0.2		18.9		0.02	1.8	0.007	0.15	0.9	44	0.2			96.1	
1346581	2.9	0.3		22		0.06	2	0.006	0.15	1.4	41	0.1			99.5	
1346582	2	0.2		10.9		0.05	1.4	0.006	0.07	0.6	29	0.05			131.2	
1346583	2.1	0.3		9.5		0.03	0.9	0.006	0.15	1.5	38	0.1			106.3	
1346584	2.1	0.2		21		0.05	1.1	0.007	0.15	0.9	41	0.1			82.9	
1346585	4.4	0.3		22.5		0.04	3.1	0.017	0.15	1	41	0.2			102.9	
1346586	4.3	0.4		23.6		0.04	2.3	0.007	0.14	1	36	0.1			90.3	
1346587	3.3	0.3		18.5		0.01	4.2	0.0005	0.09	0.8	8	0.05			77.8	
1346588	4	0.5		17.4		0.03	1.7	0.006	0.17	1.7	34	0.1			113.3	
1346589	2.2	0.4		24.3		0.03	1	0.002	0.4	0.9	10	0.05			87.8	
1346590	2.8	0.3		28.9		0.04	1.7	0.012	0.1	0.8	27	0.2			82.6	
1346591	1.6	0.3		20		0.02	0.6	0.012	0.13	1.6	36	0.1			138.2	
1346592	2.8	0.3		18		0.03	1.5	0.015	0.12	1.3	36	0.2			110	
1346593	3.3	0.4		16.6		0.05	1.7	0.013	0.13	0.9	38	0.2			122.9	
1346594	2.8	0.3		11		0.03	1.1	0.008	0.4	1.9	42	0.1			235.7	
1346595	1.2	0.2		8.3		0.05	0.4	0.01	0.17	0.6	50	0.2			96.6	
1346596	2.1	0.3		15.1		0.04	1	0.012	0.17	0.8	45	0.2			102.7	
1346597	2.1	0.3		17.6		0.04	0.9	0.01	0.43	1.4	31	0.1			597.8	
1346598	1.4	0.2		8.2		0.03	0.6	0.009	0.18	0.6	46	0.2			99.2	
1346600	1.9	0.7		28.3		0.03	0.6	0.004	0.14	2.3	24	0.05			77.6	
1346601	3.4	0.05		17.4		0.03	2.4	0.009	0.24	0.9	45	0.2			85.7	
1346602	4.4	0.1		21.6		0.05	4.8	0.022	0.15	0.9	40	0.2			96.5	
1346603	4	0.05		16.4		0.02	2.8	0.016	0.23	0.8	49	0.2			94.4	
1346604	7.5	0.4		19.5		0.01	4.3	0.016	0.46	1.1	38	0.2			112.4	
1346605	5.3	0.1		23.6		0.02	4.6	0.025	0.16	0.7	41	0.2			117.3	
1346606	3.8	0.6		11		0.01	1.4	0.007	0.21	0.6	36	0.1			93	
1346607	3.3	0.4		13.2		0.01	1.7	0.015	0.21	0.9	54	0.2			78.7	
1346608	4.7	0.6		16.4		0.01	1.6	0.007	0.26	0.7	36	0.05			261.1	
1346609	4.4	0.6		19.7		0.01	1.7	0.008	0.23	0.7	37	0.2			135.4	
1346610	3.4	0.4		39.3		0.01	1.1	0.0005	0.28	0.4	20	0.05			69.3	
1346611	4.5	0.7		10.8		0.01	1.2	0.009	0.28	1.2	41	0.05			140.4	
1346612	2.6	0.7		43.1		0.01	0.7	0.01	0.26	2	44	0.2			246.2	
1346613	3.2	0.7		38.6		0.01	1	0.017	0.28	2.2	59	0.2			166.2	
1346614	3	0.9		25.9		0.04	0.9	0.009	0.27	1.6	42	0.2			199.7	
1346616	0.5	0.5		10.5		0.01	0.2	0.004	0.11	0.7	35	0.05			58.1	
1346617	1.1	0.4		12.5		0.03	0.3	0.004	0.08	0.7	33	0.05			66.5	
1346618	1.1	0.4		10		0.01	0.3	0.009	0.15	0.8	52	0.1			91.3	
1346619	3	0.2		18.1		0.01	1.6	0.005	0.13	1	37	0.05			103.5	
1346620	5.2	0.3		30.7		0.01	5.2	0.017	0.08	1.8	29	0.05			107.8	
1346621	4.1	0.5		20		0.01	2.3	0.009	0.11	0.9	38	0.1			91.5	
1346622	2.8	0.4		13.8		0.01	1.3	0.008	0.12	0.9	42	0.1			88	
1346623	2.6	0.6		11.7		0.01	1.4	0.007	0.11	0.6	40	0.05			88.3	
1346624	2.9	0.6		12.9		0.01	1.6	0.007	0.12	0.9	40	0.1			88.6	
1346625	3.6	0.6		691.2		0.01	3	0.007	0.22	6.3	44	0.05			104.5	
1346626	3.5	0.6		53		0.01	1.9	0.013	0.13	3.5	38	0.05			86.6	
1346627	3.9	0.7		30.3		0.01	1.9	0.011	0.13	3.8	36	0.05			109.8	
1346628	2.1	0.8		46.3		0.01	0.8	0.005	0.11	6.5	25	0.05			140.3	
1346629	3.8	0.7		34.5		0.01	1.6	0.008	0.14	3	32	0.05			78.9	
1346630	4.6	0.6		21.4		0.01	3.2	0.01	0.16	0.8	45	0.1			98.2	
1346631	5.3	0.8		20.2		0.01	4.4	0.005	0.16	0.8	40	0.05			133.5	
1346632	2.5	0.7		8.3		0.02	1.3	0.007	0.13	0.6	39	0.1			109	
1346633	1.6	0.6		9		0.01	0.5	0.007	0.14	0.6	38	0.05			89.1	
1346634	0.9	0.4		7.5		0.01	0.2	0.006	0.14	0.5	37	0.1			71.1	
1346635	4.6	0.3		18.1		0.01	5.6	0.0005	0.12	0.7	11	0.05			137.7	
1346636	2.6	0.3		29.3		0.01	1	0.004	0.49	1.8	23	0.05			235.9	
1346637	4.1	0.4		12.9		0.01	1.7	0.008	0.85	2.5	51	0.1			185.1	
1346638	2.9	0.5		10.2		0.04	1	0.008	0.23	2.2	41	0.05			165.1	
1346639	2.3	0.5		10.6		0.02	1	0.009	0.53	1.2	43	0.1			388.8	
1346640	4.7	0.3		10.9		0.01	3.2	0.006	0.12	0.8	30	0.1			111.4	
1346641	4.1	0.2		13.1		0.04	1.3	0.007	0.2	2	39	0.05			166.4	
1346642	2.6	0.2		17.9		0.03	1.6	0.01	0.18	2.1	37	0.1			129.4	
1346643	2.5	0.2		15.1		0.04	1.3	0.013	0.16	2	44	0.1			111	
1346645	3.4	0.4		14.3		0.03	1.8	0.004	0.11	0.9	27	0.05			99.8	
1346646	4.1	0.4		22.1		0.04	2.3	0.004	0.1	1.2	24	0.05			79.1	
1346647	2.6	0.3		21.2		0.03	1.3	0.006	0.13	0.7	32	0.2			80.9	
1346648	2.8	0.4		20.7		0.05	1.9	0.003	0.16	0.9	31	0.1			70.6	
1346649	3.1	0.6		54.3		0.03	1.5	0.003	0.17	1.2	16	0.05			85.6	
1346650	3.9	0.4		25.6		0.03	2.6	0.004	0.12	0.7	26	0.1			83.4	
1346651	3.2	0.5		12.7		0.05	4	0.008	0.15	0.8	40	0.2			87.3	
1346652	1.2	0.2		20.6		0.06	0.3	0.005	0.12	1	26	0.1			80.4	
1346653	1.2	0.4		10.3		0.04	0.7	0.004	0.13	0.8	30	0.05			77.3	
1346654	1.5	0.4		14.8		0.07	0.8	0.004	0.11	1.1	27	0.05			99.7	
1346655	4.3	0.4		26.7		0.02	4.5	0.016	0.09	1.1	29	0.1			106.3	
1346656	5.3	0.5		18.7		0.04	3.4	0.012	0.07	0.9	28	0.1			88	
1346658	3.3	0.6		51.3		0.03	1.3	0.007	0.1	3.9	27	0.05			104.6	
1346659	3.4	0.3		17.4		0.05	2.2	0.004	0.15	2	33	0.1			85	
1346660	1.8	0.4		13.2		0.03	0.6	0.008	0.16	1.8	36	0.2			90	
1346661	5.3	0.4		34.1		0.03	2.2	0.005	0.12	2.6	31	0.2			73.5	
1346662	2.8	0.3		24		0.03	0.9	0.009	0.16	1.6	38	0.2			71.5	
1346663	1.1	0.2		10.2		0.03	0.3	0.006	0.16	0.9	42	0.2			81	
1346664	3.2	0.3		33.8		0.04	1.4	0.008	0.12	1.5	31	0.2			84.7	
1346665	4	0.5		34.5		0.05	2.7	0.003	0.11	1.1	18	0.05			186.1	
1346666	3.1	0.6		27.9		0.03	1.1	0.009	0.13	2.1	29	0.1			207.9	
1346667	3.4	0.3		9.1		0.04	2.4	0.007	0.11	0.7	28	0.1			112.4	
1346668	1.7	0.4		18		0.04	0.5	0.008	0.14	0.6	33	0.2			86.2	
1346669	3.9	0.3		25.3		0.02	2.4	0.002	0.14	0.7	12	0.05			92.2	
1346670	2.8	0.2		15.4		0.04	1.9	0.005	0.11	0.6	26	0.1			97.4	
1346671	3.7	0.2		12.1		0.03	3.5	0.0005	0.12	0.7	6	0.05			58.4	

2011 and 2012 Soil Sample Locations and Analytical Results

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346672	FT	2012-07-26	UTM83-8	7127455	600896	1290	WH112000497	213	0.53	5.2	3.2	2	86.6		0.22	2.01	0.14	10.9	11.8	21.53	2.73	1.5					51	0.08	6	1.03	751	0.64	0.004			25.5	0.065			20.74			0.09	0.33		
1346673	FT	2012-07-26	UTM83-8	7127353	600901	1287	WH112000497	71	1.07	5.5	0.4	2	132.8		0.16	3.97	0.38	6.4	14.7	9.27	2.2	3.1					53	0.04	4.4	1.87	1694	0.86	0.005			12.4	0.103			19.04			0.07	0.28		
1346674	FT	2012-07-26	UTM83-8	7127303	600905	1286	WH112000497	208	1.92	12	1.7	3	150.8		0.17	4.49	0.5	9.1	20	18.91	3.82	3.2					63	0.05	14.3	2.54	3498	1.32	0.003			27	0.169			78.15			0.04	0.43		
1346680	JPL	2012-07-26	UTM83-8	7128598	601099	1231	WH112000497	247	1.19	6.1	1.7	2	118.7		0.2	0.75	0.07	6.5	16.7	19.05	2.41	3.5					100	0.07	5	0.38	300	0.82	0.005			21.4	0.154			11.72			0.08	0.31		
1346681	JPL	2012-07-26	UTM83-8	7128300	601098	1318	WH112000497	231	1.63	13.7	1.7	2	200.4		0.2	1.65	0.27	12.3	21.9	19.93	3.41	3.5					118	0.05	12.9	0.85	918	1.11	0.004			28.6	0.104			28.34			0.02	1.16		
1346682	JPL	2012-07-26	UTM83-8	7128251	601100	1317	WH112000497	51	1.71	9.6	1.3	1	154.6		0.23	0.31	0.11	6.7	25.1	12.56	2.59	5.6					35	0.04	9.9	0.48	272	1.05	0.003			22	0.072			12.46			0.02	0.63		
1346683	JPL	2012-07-26	UTM83-8	7128148	601099	1326	WH112000497	130	1.74	16.6	1.6	2	175.1		0.22	0.29	0.31	12.6	24.8	24.36	3.59	4.2					104	0.06	12.1	0.44	770	1.17	0.003			31.4	0.077			22.63			0.01	1.36		
1346684	JPL	2012-07-26	UTM83-8	7128202	601098	1321	WH112000497	181	1.58	9.9	1.7	2	211.7		0.19	0.63	0.14	9	25.9	15.17	2.75	5					50	0.05	12.5	0.7	451	0.87	0.004			34.4	0.065			12.4			0.03	0.65		
1346685	JPL	2012-07-26	UTM83-8	7128098	601098	1328	WH112000497	133	1.63	9.6	4.3	2	421.7		0.2	0.52	0.32	9.9	27.9	16.14	3.13	5.2					72	0.05	17.6	0.69	749	1.04	0.003			26.2	0.072			14.84			0.02	0.63		
1346686	JPL	2012-07-26	UTM83-8	7128000	601099	1321	WH112000497	108	1.46	13.3	3.4	2	142.7		0.16	1.59	0.52	8.3	22.2	12.94	2.25	4.5					92	0.05	12.4	0.64	467	0.74	0.004			16.5	0.09			13.88			0.08	0.4		
1346687	JPL	2012-07-26	UTM83-8	7127947	601101	1322	WH112000497	310	1.26	11.6	3.2	4	186.6		0.16	1.89	0.8	8	20.8	19.96	2.21	3.7					150	0.06	14.4	0.56	425	0.83	0.006			20.1	0.12			13.45			0.1	0.48		
1346688	JPL	2012-07-26	UTM83-8	7127900	601099	1316	WH112000497	178	1.48	9.5	3.3	2	125.1		0.18	1.06	0.33	10.7	25.3	24.03	2.6	4.9					102	0.06	16.9	0.85	669	0.8	0.002			25.5	0.075			14.56			0.05	0.52		
1346689	JPL	2012-07-26	UTM83-8	7127849	601097	1309	WH112000497	196	1.36	8.6	4.1	3	85		0.15	0.74	0.42	9.7	23.1	16.06	2.45	4.4					92	0.09	11.5	1.02	392	0.95	0.002			21.9	0.059			13.31			0.04	0.45		
1346690	JPL	2012-07-26	UTM83-8	7127803	601100	1312	WH112000497	114	1.42	9.6	2.5	3	160.7		0.2	1.19	0.28	9.9	22.8	20.91	2.68	4.7					69	0.05	11.7	0.57	549	1.05	0.003			23.2	0.089			14.77			0.06	0.59		
1346691	JPL	2012-07-26	UTM83-8	7127752	601099	1308	WH112000497	311	1.45	11.6	3.2	3	206.1		0.22	2.18	0.31	11.9	23.5	21.4	2.49	4.7					199	0.04	14.7	0.47	957	1.12	0.004			20.8	0.154			14.44			0.12	0.52		
1346692	JPL	2012-07-26	UTM83-8	7127701	601101	1299	WH112000497	38	1.72	8.8	1.1	2	100.9		0.21	0.59	1.02	6.6	23.2	10.29	2.7	6.3					33	0.04	10	0.48	196	1.22	0.001			17.6	0.03			13.58			0.01	0.53		
1346693	JPL	2012-07-26	UTM83-8	7127649	601098	1286	WH112000497	334	0.32	14.5	2.3	3	74		0.07	5.67	4.05	7.4	7.7	11.24	4.06	1.1					307	0.05	11.6	2.57	734	2.42	0.006			16.4	0.099			35.25			0.08	0.36		
1346694	JPL	2012-07-26	UTM83-8	7127602	601099	1275	WH112000497	71	1.75	12.4	1.3	2	114.2		0.19	0.73	0.31	11.3	23.9	16.85	3.6	4.5					56	0.05	11.1	0.53	410	1.25	0.002			26.3	0.062			18.68			0.03	0.72		
1346695	JPL	2012-07-26	UTM83-8	7127553	601099	1264	WH112000497	145	1.42	11.4	3.2	2	135.5		0.21	0.75	1.11	12.1	23	26.4	3.16	4.3					79	0.07	10.3	0.6	580	1.18	0.005			34.1	0.052			16.66			0.02	0.83		
1346696	JPL	2012-07-26	UTM83-8	7127499	601100	1254	WH112000497	160	0.85	5.7	0.7	2	82.5		0.28	0.55	0.18	8.5	12.7	19.14	2.91	2.5					63	0.06	4.7	0.24	397	0.63	0.002			23.2	0.062			20.63			0.04	0.32		
1346697	JPL	2012-07-26	UTM83-8	7127451	601094	1247	WH112000497	168	0.85	5.8	2.1	2	81		0.31	0.38	0.15	9.7	13	22.44	3.21	2.5					81	0.06	5	0.24	441	0.66	0.002			27	0.048			24.08			0.03	0.3		
1346698	JPL	2012-07-26	UTM83-8	7127400	601099	1242	WH112000497	150	1.23	7.5	2.9	3	122.5		0.23	1.06	0.37	9.6	19.5	15.54	2.66	3.6					80	0.06	7.2	0.38	584	0.79	0.004			20.3	0.095			15.48			0.08	0.4		
1346699	JPL	2012-07-26	UTM83-8	7127352	601100	1238	WH112000497	149	1.23	9.4	0.3	4	122.8		0.25	0.85	0.3	12.8	21.3	25.79	2.73	3.3					58	0.08	13	0.5	665	0.93	0.006			31.4	0.065			24.16			0.04	0.63		
1346700	JPL	2012-07-26	UTM83-8	7127301	601098	1236	WH112000497	94	1.21	14.1	1.3	3	97.7		0.21	0.6	0.29	13.6	23.7	20.46	2.79	3.3					76	0.06	12	0.5	336	0.71	0.005			26.1	0.077			18.72			0.03	0.97		
1346701	JPL	2012-07-27	UTM83-8	7127099	599900	1298	WH112000522	75	1.29	11.9	0.5	3	176.6		0.16	3.29	0.88	9.1	16.5	11.33	2.68	2.6					72	0.06	11.9	1.38	2155	1.56	0.004			16.1	0.237			187.54			0.11	0.35		
1346702	JPL	2012-07-27	UTM83-8	7127104	599951	1315	WH112000522	85	1.38	8.7	0.1	2	114.8		0.18	3.23	0.58	6.3	19.6	7.9	2.24	3.5					62	0.06	12.4	1.67	1141	0.97	0.006			12.8	0.237			96.72			0.07	0.46		
1346703	JPL	2012-07-27	UTM83-8	7127100	599999	1337	WH112000522	63	1.1	12.5	0.1	2	84.4		0.24	0.55	0.32	8	17.9	12.32	3.18	2.8					61	0.09	13.2	0.32	736	0.84	0.002			17.4	0.15			85.29			0.05	0.49		
1346704	JPL	2012-07-27	UTM83-8	7127101	600050	1364	WH112000522	24	0.3	4.9	0.1	2	49.9		0.07	13.44	0.26	3.7	5.9	3.82	1.24	0.7					33	0.06	10.4	7.9	3212	0.31	0.012			6.2	0.131			601.76			0.01	0.16		
1346705	JPL	2012-07-27	UTM83-8	7127102	600099	1376	WH112000522	41	0.45	3.5	0.1	2	60.2		0.09	11.95	0.42	3.6	9.2	3.54	1.89	1					42	0.06	14	7.06	1529	0.39	0.012			6.2	0.147			1543.93			0.01	0.12		
1346706	JPL	2012-07-27	UTM83-8	7127102	600152	1371	WH112000522	47	1.34	10.6	5.5	3	121.4		0.52	1.02	0.39	8.3	22.7	17.32	3.29	3.2					54	0.08	15.6	0.66	1268	1.39	0.001			2.1	1.113			138.37			0.04	0.58		
1346707	JPL	2012-07-27	UTM83-8	7127103	600199	1357	WH112000522	33	0.29	4.2	1.6	3	35.2		0.1	9.93	0.13	2.8	7.6	3.86	1.39	0.6					26	0.04	8.8	7.74	904	0.38	0.009			6.4	0.077			32.44			0.01	0.14		
1346708	JPL	2012-07-27	UTM83-8	7127101	600249	1346	WH112000522	27	0.63	6.5	2.9	3	114.9		0.43	0.32	0.36	12.3	17	16.79	2.7	3.8					9	0.09	5.8	0.15	506	1.46	0.002			13.5	0.059			23.38			0.03	0.77		
1346709	JPL	2012-07-27	UTM83-8	7127100	600298	1326	WH112000522	60	1.58	9.4	2.8	2	146		0.32	0.53</																														

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346672	3.6	0.3	22.1		0.04	2.2	0.004	0.21	0.6	15	0.05				88.7	
1346673	1.8	0.3	17.6		0.03	0.6	0.005	0.14	1	24	0.05				73.6	
1346674	4.8	0.5	23.5		0.05	2.5	0.004	0.58	3.1	24	0.05				73.8	
1346680	3.4	0.4	43.2		0.03	1.6	0.003	0.13	0.8	19	0.05				58.9	
1346681	5.3	0.4	42.4		0.03	2.3	0.008	0.14	0.8	32	0.2				99.5	
1346682	2.2	0.3	15.4		0.05	0.8	0.01	0.17	0.8	42	0.2				69.8	
1346683	4.6	0.4	17.5		0.05	2.5	0.006	0.17	0.8	36	0.2				110.5	
1346684	3.8	0.5	22.7		0.03	1.9	0.009	0.13	0.7	35	0.2				75.6	
1346685	5.1	0.6	17.4		0.04	1.8	0.012	0.13	1.1	38	0.2				91.2	
1346686	3.2	0.6	62.6		0.02	1	0.012	0.14	8.1	34	0.1				97.9	
1346687	3.1	1	81.5		0.02	0.8	0.013	0.2	11.8	29	0.05				130.5	
1346688	3.9	0.5	51		0.03	1.4	0.009	0.12	4	29	0.1				83.8	
1346689	4.3	0.4	30.2		0.02	2.2	0.01	0.12	5.2	29	0.05				125.1	
1346690	3.3	0.5	44.6		0.02	1	0.01	0.15	5.6	34	0.1				90	
1346691	2.8	1.2	122.4		0.04	0.7	0.01	0.14	13.8	35	0.2				66.4	
1346692	2.7	0.2	21.3		0.03	2.1	0.009	0.16	1.1	47	0.2				217	
1346693	2.3	0.8	132.2		0.01	0.9	0.003	0.21	4.5	11	0.05				1319.7	
1346694	4.3	0.4	22.5		0.05	2.2	0.005	0.15	2.3	32	0.1				135.9	
1346695	3.7	0.6	26.6		0.04	1.7	0.014	0.2	2.8	34	0.2				661	
1346696	3.6	0.5	34.6		0.02	2.4	0.002	0.13	0.8	14	0.05				99.2	
1346697	4.2	0.4	30.2		0.03	2.8	0.002	0.13	0.9	13	0.05				109	
1346698	2.5	0.5	48		0.03	0.9	0.007	0.12	1.6	27	0.05				121.2	
1346699	3.8	0.3	40.9		0.04	3.1	0.009	0.12	1.1	30	0.05				118.4	
1346700	3.4	0.6	34.8		0.01	2.9	0.011	0.08	1	30	0.1				102.5	
1346701	1.9	0.4	18.3		0.04	1	0.004	0.95	2.4	24	0.05				309.9	
1346702	2	0.3	20.2		0.04	0.8	0.009	0.2	1	34	0.2				150.9	
1346703	5.2	0.2	8.1		0.01	2.8	0.003	0.26	0.7	23	0.05				252.2	
1346704	2.2	0.5	39.7		0.01	1.8	0.001	0.21	0.6	7	0.05				77.2	
1346705	3	0.3	33.2		0.01	2.7	0.001	0.85	0.8	8	0.05				167	
1346706	4.6	0.5	10.9		0.01	3.3	0.003	0.43	1.4	28	0.1				136.8	
1346707	1.9	0.05	40.4		0.01	1.8	0.002	0.22	0.5	7	0.05				22.1	
1346708	1.8	0.2	7.4		0.05	0.6	0.013	0.09	0.6	33	0.1				90.6	
1346709	2.8	0.4	11.9		0.04	2	0.01	0.17	1.3	42	0.2				104.6	
1346710	1.6	0.4	42		0.03	1.3	0.001	0.29	0.8	9	0.05				246.8	
1346711	3.2	0.3	10.1		0.04	3.2	0.005	0.12	0.7	37	0.1				121.3	
1346712	4.6	0.7	18.5		0.05	3.2	0.01	0.28	1.6	37	0.2				423.8	
1346713	3.4	0.7	15.2		0.04	2.9	0.013	0.24	1.9	41	0.2				260.9	
1346714	3.8	0.5	14.4		0.06	2.7	0.008	0.12	1.1	33	0.2				277.1	
1346715	1.9	0.5	29.5		0.06	1.2	0.006	0.39	0.9	19	0.05				2164.9	
1346716	1.7	0.1	41		0.06	1.2	0.008	0.4	1.5	19	0.1				233.5	
1346717	3	0.7	32.3		0.04	1.8	0.012	0.92	2.2	34	0.2				533.5	
1346718	2.1	0.4	10.6		0.07	1.1	0.013	0.19	1	47	0.2				139.9	
1346719	2.1	0.2	12.8		0.02	1.2	0.01	0.24	1.1	36	0.2				227.3	
1346720	4.2	0.3	19.3		0.05	4.1	0.01	0.74	2.4	35	0.1				310.2	
1346721	4.4	0.3	12.5		0.01	5.1	0.008	0.16	1.1	43	0.2				83.8	
1346722	1.9	0.4	10.7		0.04	1.3	0.01	0.18	1.1	42	0.2				97.2	
1346723	3	0.3	20.8		0.01	1.9	0.012	0.33	1.6	48	0.2				220.4	
1346724	3.1	0.5	24.5		0.05	1.5	0.01	0.69	2.5	45	0.2				191.8	
1346725	4.2	0.5	21.4		0.02	3.8	0.012	0.09	1.2	30	0.1				94.5	
1346727	1.8	0.05	93.7		0.01	1.7	0.0005	0.27	0.6	6	0.05				22.4	
1346728	1.7	0.05	90.6		0.01	1.5	0.001	0.34	0.6	7	0.05				18.1	
1346729	0.5	0.2	39.3		0.01	0.2	0.004	0.04	0.5	8	0.05				18.3	
1346730	0.4	0.1	49.4		0.03	0.2	0.003	0.06	0.5	8	0.05				26.1	
1346731	1	0.3	46.6		0.03	0.5	0.005	0.12	0.6	15	0.05				36	
1346732	4.8	0.5	28		0.04	2.1	0.003	0.28	0.8	28	0.05				100.1	
1346733	0.7	0.1	59.8		0.03	0.4	0.004	0.13	0.4	10	0.05				26.5	
1346734	0.4	0.05	83.1		0.01	0.4	0.003	0.09	0.4	6	0.05				11.8	
1346735	0.7	0.1	80.6		0.01	0.5	0.004	0.39	0.4	6	0.05				17.6	
1346736	0.6	0.05	85		0.01	0.4	0.004	0.15	0.4	6	0.05				15.1	
1346737	1.1	0.3	67.4		0.05	0.5	0.007	0.22	0.6	18	0.05				46.7	
1346738	1.1	0.4	57.2		0.03	0.6	0.008	0.16	0.5	20	0.05				41.3	
1346739	4.1	0.4	18.6		0.05	2.5	0.014	0.2	0.7	48	0.2				103.4	
1346740	1.3	0.3	72.9		0.01	0.6	0.007	0.13	0.5	16	0.05				24.9	
1346741	1.7	0.3	56.8		0.01	1.3	0.01	0.1	0.5	18	0.1				26.2	
1346742	5	0.1	78.1		0.01	2.6	0.0005	1.93	1.4	7	0.05				79.7	
1346743	0.3	0.05	27.2		0.01	0.05	0.003	0.26	0.2	5	0.05				11.4	
1346744	0.4	0.1	42.9		0.01	0.2	0.002	0.15	0.3	4	0.05				6.7	
1346745	0.9	0.1	79.7		0.01	0.4	0.005	0.17	0.6	10	0.05				16.5	
1346746	4.1	0.4	35.4		0.03	1	0.003	0.3	1.1	28	0.05				102.7	
1346747	6.5	0.2	35		0.01	1.6	0.003	0.19	1	38	0.05				109.8	
1346748	6.5	0.05	25.1		0.06	3.1	0.003	0.19	0.7	32	0.05				119.2	
1346749	5	0.4	42.2		0.03	2.2	0.005	0.2	0.7	29	0.05				92.9	
1346750	3.4	0.6	51.4		0.05	1.3	0.003	0.13	1.4	23	0.05				74.1	
1346751	3.9	0.05	24.2		0.02	3.7	0.019	0.16	0.6	27	0.1				79.9	
1346752	5.1	0.05	12		0.01	3.1	0.005	0.15	0.9	22	0.05				98.8	
1346753	3.7	0.05	5.8		0.05	2.6	0.005	0.12	0.6	24	0.05				97.2	
1346754	3.3	0.05	4.4		0.04	2.1	0.003	0.12	0.4	23	0.05				76.3	
1346755	4	0.2	5.5		0.01	3.4	0.006	0.14	0.5	32	0.05				84.8	
1346756	2.4	0.1	5.1		0.02	1.6	0.007	0.12	0.5	37	0.05				85.2	
1346757	1.3	0.05	5.9		0.03	0.3	0.006	0.13	0.4	34	0.1				65	
1346758	3.2	0.05	6.4		0.03	2.7	0.006	0.22	0.6	32	0.1				86.9	
1346759	6.1	0.05	4.7		0.03	3.9	0.004	0.14	0.7	19	0.05				58.3	
1346760	3.5	0.05	13.7		0.01	2.3	0.0005	0.16	0.05	8	0.05				43.8	
1346761	5.6	0.05	3.5		0.05	4.7	0.007	0.15	0.7	31	0.1				44	
1346762	2.1	0.1	29.7		0.01	0.8	0.005	0.24	1.3	22	0.05				160.6	
1346763	4.7	0.05	21.5		0.03	2.5	0.002	0.23	0.3	19	0.05				43	
1346764	1.7	0.2	28.5		0.01	0.7	0.003	0.16	0.7	14	0.05				86.4	
1346765	1.2	0.2	26.4		0.01	0.6	0.004	0.35	0.9	11	0.05				700.3	
1346766	3.3	0.05	14.8		0.07	1.6	0.009	0.21	0.9	36	0.1				170.2	
1346767	2.9	0.1	12.1		0.01	1.5	0.004	0.14	0.9	27	0.05				217.9	
1346768	2.4	0.1	10.8		0.01	1.2	0.006	0.17	0.8	36	0.05				105	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346769	FT	2012-07-27	UTM83-8	7126903	600699	1254	WH112000522	77	1.32	9.7	0.6	2	97.7		0.19	0.84	0.35		9.5	21.8		17.26	2.77	4		65		0.05	9		0.68	431	0.9	0.005		22.8	0.06					25.72		0.04	0.56	
1346770	FT	2012-07-27	UTM83-8	7126901	600749	1247	WH112000522	100	1.07	7.8	1.5	1	63.4		0.13	4.73	0.67		5	13.9		8.48	2.63	2.3		50		0.03	10.2		2.88	2423	0.9	0.005		11.8	0.101					74.42		0.05	0.37	
1346771	FT	2012-07-27	UTM83-8	7126907	600944	1240	WH112000522	32	1.43	9.6	0.4	0.5	143.6		0.28	0.19	0.2		7	21.5		12.5	2.88	5.8		27		0.04	8.8		0.32	377	1.25	0.002		16.5	0.074					26.36		0.04	0.66	
1346772	FT	2012-07-27	UTM83-8	7126900	601001	1234	WH112000522	96	0.49	8.2	0.8	2	158.6		0.13	6.74	0.22		5.9	9.8		13.37	1.46	1.2		14		0.05	8.9		3.73	234	1.52	0.006		14	0.032					12.56		0.03	0.42	
1346773	FT	2012-07-27	UTM83-8	7126901	601099	1231	WH112000522	192	1.35	9.6	1.8	2	143.2		0.19	1.97	0.69		10	21.6		17.54	3.38	3.6		78		0.06	13.3		1.26	1307	0.93	0.005		21.7	0.093					47.19		0.07	0.58	
1346775	FT	2012-07-28	UTM83-8	7125352	588599	1497	WH112000522	57	0.39	5.5	0.3	5	106.2		0.12	10.12	0.14		9.1	9.4		13.71	1.88	1.1		23		0.12	11.1		5.5	256	1.25	0.008		19.5	0.03					11.85		0.01	0.31	
1346776	FT	2012-07-28	UTM83-8	7125401	588597	1482	WH112000522	130	1.55	16.6	1.1	2	211.1		0.27	0.68	0.51		12.9	26.6		20.05	3.14	4.3		58		0.07	19.4		0.61	654	1.44	0.005		27.3	0.064					20.29		0.05	0.75	
1346777	FT	2012-07-28	UTM83-8	7125450	588605	1482	WH112000522	185	1.37	13.7	1.4	3	201.4		0.23	1.65	0.44		11.2	24.5		20.7	2.7	4		34		0.06	17.4		1.04	585	1.61	0.007		25	0.065					17.35		0.05	0.82	
1346778	FT	2012-07-28	UTM83-8	7125499	588606	1475	WH112000522	74	0.44	5.2	0.4	3	86.9		0.07	7.28	0.28		4	8.5		7.19	1.04	1		27		0.04	6.2		4.03	247	0.8	0.006		10.1	0.042					6.24		0.04	0.33	
1346779	FT	2012-07-28	UTM83-8	7125547	588600	1459	WH112000522	94	0.85	6.1	0.1	1	95.6		0.1	5.9	0.39		4.7	11.1		6.93	2.86	2		50		0.03	9.4		3.39	2693	0.71	0.007		10.4	0.098					29.37		0.03	0.25	
1346780	FT	2012-07-28	UTM83-8	7125601	588598	1453	WH112000522	102	2.15	5.1	0.1	5	187.3		0.18	1.03	0.08		11.6	26.6		19.8	3.47	5.7		37		0.15	26.7		0.78	451	1.11	0.002		30.7	0.086					12.77		0.05	0.36	
1346781	FT	2012-07-28	UTM83-8	7125649	588600	1469	WH112000522	64	4.46	9.6	1	4	196.7		0.12	0.4	0.36					34.5	30.5			50		0.05	19.5		1.1	1309	1.15	0.027		39.6	0.064					11.07		0.04	0.49	
1346782	FT	2012-07-28	UTM83-8	7125698	588599	1442	WH112000522	81	3.83	4.2	0.4	4	82.4		0.09	0.77	0.23					40.4	23.5			57		0.06	22.5		2.56	2140	0.88	0.051		38.3	0.117					11.13		0.08	0.27	
1346783	FT	2012-07-28	UTM83-8	7125757	588599	1407	WH112000522	68	4.08	3.3	0.3	5	83.1		0.06	1	0.12					39.8	31.9			35		0.06	22.5		3.28	1826	0.7	0.082		41	0.087					8.18		0.05	0.21	
1346784	FT	2012-07-28	UTM83-8	7125850	588599		WH112000522	49	0.31	19.9	0.1	4	43.8		0.05	13.69	0.04		9.2	15.5		12.74	1.94	0.8		31		0.08	10.1		6.04	310	0.88	0.008		22.1	0.065					9.99		0.01	0.32	
1346785	FT	2012-07-28	UTM83-8	7125898	588602	1399	WH112000522	53	0.31	9.2	0.1	2	50.5		0.05	13.79	0.09		3.6	7		7.38	0.89	0.9		18		0.05	5.4		5.99	131	0.6	0.011		10.7	0.024					4.79		0.01	0.28	
1346786	FT	2012-07-28	UTM83-8	7125948	588600	1419	WH112000522	46	0.46	10.9	0.1	5	60.1		0.09	13.09	0.2		5	8.3		8.82	1.16	1		7		0.07	8.2		6.78	248	0.91	0.01		12.2	0.035					7.67		0.03	0.28	
1346787	FT	2012-07-28	UTM83-8	7126055	588399	1398	WH112000522	133	1.75	18.5	0.3	3	160.9		0.22	3.15	0.71		10.6	26.6		15.62	2.78	4.1		22		0.07	18.9		1.84	702	1.32	0.007		24.3	0.074					16.94		0.05	0.7	
1346788	FT	2012-07-28	UTM83-8	7126005	588400	1381	WH112000522	29	0.23	5.9	2	3	32.3		0.03	14.87	0.09		2.7	5.9		4.37	0.64	0.6		10		0.03	4.8		7.42	110	0.6	0.011		7.2	0.019					5.22		0.01	0.22	
1346789	FT	2012-07-28	UTM83-8	7125956	588395	1351	WH112000522	81	1.09	33	0.1	4	122.2		0.16	8.29	0.32		7.2	16.4		15.14	2.08	2.2		19		0.09	12.5		4.49	260	2.37	0.007		22.1	0.065					15.47		0.06	0.57	
1346790	FT	2012-07-28	UTM83-8	7125856	588401	1332	WH112000522	60	2.25	4.7	0.1	11	155.3		0.01	1.18	0.09					24.1	28.9			27		0.21	24.5		1.8	635	0.41	0.0005		24.4	0.096					7.46		0.05	0.1	
1346791	FT	2012-07-28	UTM83-8	7125808	588400	1367	WH112000522	76	2.66	3.7	0.6	10	199.6		0.01	1.05	0.16					26.3	31.4			31		0.19	29.2		1.91	1112	0.41	0.0005		24.5	0.083					6.81		0.06	0.08	
1346792	FT	2012-07-28	UTM83-8	7125743	588389	1386	WH112000522	94	2.8	6.6	0.3	5	188.2		0.11	0.73	0.09					23.2	36.6			36		0.08	19.5		4.2	37	0.73	0.005		31.2	0.067					10.98		0.04	0.41	
1346793	FT	2012-07-28	UTM83-8	7125700	588395	1393	WH112000522	86	2.34	8.7	5.5	3	154.2		0.16	0.68	0.12		15	32.5		44.07	3.74	7		24		0.06	19		1.08	551	0.9	0.007		28.1	0.07					11.9		0.04	0.66	
1346794	FT	2012-07-28	UTM83-8	7125549	588404	1357	WH112000522	186	1.09	5.4	0.3	6	118.9		0.17	4.6	0.61		12.6	15.6		21.83	3.04	2.6		28		0.16	19		2.19	356	1.54	0.004		33.1	0.081					17.45		0.04	0.67	
1346795	FT	2012-07-28	UTM83-8	7125505	588399	1364	WH112000522	65	0.44	8.9	0.1	3	84.1		0.08	12.57	0.21		5.3	11.8		9.51	1.35	1.1		14		0.05	7.7		7.01	146	1.26	0.01		15.1	0.039					9.16		0.03	0.65	
1346796	FT	2012-07-28	UTM83-8	7125456	588399	1397	WH112000522	63	0.41	9.3	0.1	4	95.8		0.11	11.86	0.18		6.2	11.2		10.59	1.43	1.1		33		0.07	7		6.66	172	1.27	0.009		18.4	0.033					17.63		0.03	0.57	
1346797	FT	2012-07-28	UTM83-8	7125406	588399	1426	WH112000522	81	0.67	8.9	2	4	131		0.09	10.68	0.2		6	13.2		11.43	1.4	1.2		25		0.06	7.3		6.08	202	1.82	0.01		18.2	0.042					13.56		0.03	0.69	
1346798	FT	2012-07-28	UTM83-8	7125353	588398	1457	WH112000522	71	0.74	10.7	0.1	3	156.3		0.12	9.72	0.27		7.5	13.6		12.27	1.77	1.4		30		0.07	8.4		5.3	2														

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346769	2.9	0.1	11.9		0.01	1.7	0.006	0.24	0.8	32	0.1				250.6	
1346770	1.9	0.3	20.3		0.01	0.7	0.006	0.3	1.7	23	0.05				191.6	
1346771	1.1	0.3	11.3		0.07	0.4	0.009	0.22	0.9	44	0.1				71.1	
1346772	1.7	0.3	45.1		0.04	0.9	0.006	0.12	0.7	17	0.05				42.5	
1346773	3	0.5	21.2		0.01	1.5	0.009	0.43	2.8	32	0.1				213.1	
1346775	3.2	0.3	119.4		0.01	1.8	0.002	0.23	0.7	15	0.05				38.6	
1346776	4.1	0.3	14.1		0.07	2	0.013	0.22	1.2	44	0.1				126.1	
1346777	2.7	0.3	21.5		0.01	1.2	0.013	0.18	0.8	40	0.1				100.7	
1346778	0.9	0.05	41.6		0.01	0.4	0.006	0.06	0.6	16	0.05				38.3	
1346779	1.7	0.4	21.4		0.01	0.7	0.008	0.24	1.8	19	0.05				63.6	
1346780	4.7	0.2	51.7		0.01	1.7	0.004	0.23	0.6	45	0.05				71.9	
1346781	6.7	0.4	29.3		0.04	3.3	0.107	0.11	0.9	119	0.1				65.2	
1346782	7.2	0.4	96.2		0.01	1.4	0.177	0.09	0.5	186	0.05				91.2	
1346783	10	0.2	95		0.01	1.6	0.224	0.07	0.5	211	0.05				86.4	
1346784	4.3	0.3	129.5		0.01	1.7	0.004	0.22	0.8	18	0.05				18.2	
1346785	1.3	0.2	89.3		0.01	1.6	0.01	0.09	0.8	12	0.05				19.2	
1346786	1.6	0.5	74		0.05	0.7	0.003	0.18	0.7	13	0.05				31.4	
1346787	3.1	0.3	24.6		0.04	1.1	0.013	0.24	0.6	44	0.1				118.7	
1346788	1	0.3	83.5		0.01	1	0.008	0.06	0.9	11	0.1				12.5	
1346789	2.4	0.4	42		0.01	1	0.004	0.32	0.9	28	0.05				73.9	
1346790	18.9	0.2	23		0.01	1.1	0.003	0.05	0.3	110	0.05				62.1	
1346791	20.7	0.2	21.6		0.01	1.2	0.003	0.06	0.2	121	0.05				63.5	
1346792	11.5	0.3	24		0.01	2	0.026	0.1	0.6	140	0.05				76	
1346793	6.6	0.3	34.2		0.01	1.3	0.056	0.14	0.9	159	0.2				82.6	
1346794	5.3	0.7	77		0.03	2.3	0.003	0.2	0.6	23	0.05				94.3	
1346795	1.8	0.4	70.9		0.01	0.8	0.007	0.17	0.7	18	0.05				34.6	
1346796	2	0.5	64.1		0.01	0.9	0.005	0.18	0.6	15	0.05				30.9	
1346797	1.8	0.4	60.8		0.01	0.9	0.008	0.17	0.8	20	0.1				39.1	
1346798	2.2	0.4	59.7		0.01	1	0.006	0.15	0.6	20	0.05				47.8	
1346799	2.2	0.4	59.8		0.02	1	0.007	0.14	0.6	21	0.05				49.1	
1346800	2.2	0.3	73		0.01	1	0.004	0.1	0.4	12	0.05				34	
1346801	3.5	0.4	61.3		0.06	1.3	0.004	0.13	1.4	24	0.05				98.8	
1346802	5	0.3	50.6		0.01	1.4	0.004	0.16	1.1	32	0.05				81.6	
1346804	3.1	0.1	27.2		0.01	2.5	0.008	0.2	2.5	44	0.1				100.6	
1346805	6.9	0.3	22.3		0.04	4.7	0.012	0.2	2.5	45	0.1				82.6	
1346806	4.7	0.1	13.3		0.03	5.5	0.01	0.19	1.9	49	0.1				61.9	
1346807	4	0.3	191.1		0.01	2.9	0.009	0.65	3	53	0.05				126.6	
1346808	3.4	0.4	111.3		0.05	1.7	0.008	2.11	2.6	48	0.1				124	
1346809	3.4	0.4	146.6		0.01	1.7	0.009	1.38	1.8	49	0.05				97.1	
1346810	3.1	0.2	105.3		0.04	1.4	0.01	0.85	1.7	47	0.05				102.4	
1346811	3.3	0.3	152.3		0.05	1.5	0.012	0.45	2	59	0.1				136.2	
1346812	2.6	0.3	124.1		0.01	1.1	0.01	0.23	1.4	44	0.05				85.9	
1346813	3	0.3	201.3		0.02	1.5	0.01	0.42	2.6	54	0.05				114.9	
1346814	2.3	0.3	208.5		0.03	1.1	0.009	0.43	1	41	0.1				72.8	
1346815	2.3	0.3	283.5		0.04	1	0.008	0.42	0.9	46	0.05				81.3	
1346816	2.7	0.4	561		0.05	1.6	0.007	0.45	1.1	62	0.1				98.9	
1346817	2.1	0.4	135.9		0.02	0.8	0.007	0.32	0.8	45	0.05				86	
1346818	2.3	0.5	176.1		0.03	0.9	0.008	0.33	2	53	0.1				118	
1346819	2.5	0.5	300.6		0.04	1	0.008	0.49	1.4	60	0.1				130.2	
1346820	2.3	0.5	186.8		0.03	0.8	0.008	0.56	1.6	52	0.1				132.2	
1346821	2.3	0.5	105.6		0.05	0.8	0.007	0.62	2.9	43	0.05				106.9	
1346822	3.1	0.5	149.1		0.04	1.1	0.007	0.73	1.8	51	0.1				119.5	
1346823	2.7	0.4	108.9		0.05	0.9	0.008	0.48	2	49	0.1				118.8	
1346824	2.7	0.5	103.8		0.04	1	0.007	0.34	2	41	0.1				87.4	
1346825	3.2	0.2	51.8		0.01	2.6	0.012	0.17	0.9	29	0.05				64.5	
1346826	5.1	0.4	39.3		0.04	2.5	0.004	0.23	2	34	0.05				66.1	
1346827	4.4	0.3	25.6		0.03	2.9	0.016	0.17	1.2	37	0.2				84.8	
1346828	5.9	0.3	22.4		0.02	4.3	0.007	0.27	2.6	36	0.1				90.8	
1346829	2.1	0.2	85.1		0.02	1.5	0.004	0.55	0.8	15	0.05				33.5	
1346831	2.9	0.4	114.5		0.05	1.5	0.005	0.24	1	54	0.05				97.6	
1346832	3.2	0.2	64.8		0.03	2.3	0.009	0.12	0.7	42	0.1				74.3	
1346833	4.5	0.3	21.1		0.04	2.6	0.004	0.18	0.5	46	0.05				126.4	
1346834	3.3	0.3	41.6		0.02	2.1	0.006	0.15	0.5	32	0.05				78.8	
1346835	3.4	0.3	60.2		0.04	1.7	0.006	0.29	1.1	26	0.05				95.2	
1346836	4.4	1.1	88.7		0.02	2.5	0.009	1.04	3.3	25	0.05				114	
1346837	4.3	0.3	27.9		0.02	2.4	0.004	0.18	1.1	25	0.05				104.8	
1346838	4.8	0.2	264.6		0.01	4.3	0.008	0.09	1.7	20	0.05				77.2	
1346839	5	0.7	72.8		0.03	2.1	0.008	0.1	2.7	25	0.05				99.1	
1346840	5.8	0.4	46.3		0.04	2.7	0.002	0.15	1.1	23	0.05				105.7	
1346841	5.9	0.4	47.9		0.03	2.8	0.002	0.16	1.1	24	0.05				124.6	
1346842	5.9	0.5	64.7		0.01	2.3	0.002	0.14	1.1	22	0.05				101.2	
1346843	4.9	1.3	130.6		0.03	2	0.003	0.14	5.1	20	0.05				91.3	
1346844	6.5	0.4	53.5		0.01	2.6	0.002	0.19	0.9	24	0.05				107.3	
1346845	6.1	0.6	69.9		0.03	2.4	0.004	0.16	1.2	26	0.05				106.9	
1346846	6.3	0.6	52.3		0.02	2.8	0.002	0.18	1.1	22	0.05				118.6	
1346847	5.9	0.6	48		0.01	2.3	0.002	0.14	3.1	23	0.05				103.1	
1346848	3.7	0.3	65.7		0.01	1.4	0.002	0.29	2	28	0.05				92.7	
1346849	4.5	0.3	38		0.03	2.4	0.004	0.16	1.3	32	0.05				98.3	
1346850	4.1	0.2	26		0.03	2.9	0.006	0.16	0.8	36	0.05				88.6	
1346851	1.6	0.3	114.4		0.01	0.7	0.007	0.65	1.4	25	0.05				59.6	
1346852	1.9	0.1	104.2		0.01	1.3	0.006	0.63	1	22	0.05				54	
1346853	2.7	0.3	170.9		0.02	1.4	0.005	1.17	1.3	34	0.05				98.2	
1346854	2.7	0.4	70		0.01	1.1	0.007	0.43	1.6	32	0.05				109.5	
1346855	2.7	0.6	99.3		0.01	1.4	0.006	1.27	1.4	34	0.05				105.7	
1346856	2.5	0.3	85.6		0.01	1.1	0.006	0.81	1.5	30	0.05				85.9	
1346857	3	0.3	65.1		0.01	1.7	0.007	0.42	0.9	27	0.05				76.5	
1346858	4.5	0.4	27.1		0.07	4.4	0.01	0.31	1.7	40	0.05				102.2	
1346859	4.2	0.5	48		0.01	2	0.008	0.35	2.4	34	0.05				112.4	
1346860	4.9	0.4	62.1		0.02	2.2	0.006	0.5	2.9	25	0.05				82.3	
1346861	4.1	0.2	34		0.01	2.3	0.006	0.28	1.6	27	0.05				104.6	
1346862	8.7	0.5	92.9		0.04	3.8	0.004	0.24	3.7	25	0.05				95.2	

Sample No.	Sampler	Date	Grid	Northing	Easting	Elevation	Job No.	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)
1346863	FT	2012-07-29	UTM83-8	7127153	586006	1156	WHI12000525	85	1.95	13.9	1.5	2	280.1		0.3	0.31	0.22		13.5	33.2		20.43	3.04	5		40	0.08	19.9		0.58	531	1.08	0.01		31.3	0.071			16.16				0.01	0.81		
1346864	FT	2012-07-29	UTM83-8	7127091	585997	1160	WHI12000525	61	0.58	30.6	0.1	5	109.1		0.09	12.27	0.33		4.3	12.3		10.32	1.05	1.3		37	0.06	8.4		6.92	185	1.17	0.01		15.3	0.068			7.28				0.01	0.52		
1346865	FT	2012-07-29	UTM83-8	7127052	585999	1160	WHI12000525	46	0.35	23.6	0.1	3	91.5		0.06	13.56	0.33		3	8.7		6.06	0.76	1		23	0.05	6.5		7.65	141	0.89	0.01		10.4	0.045			5.06				0.01	0.36		
1346866	FT	2012-07-29	UTM83-8	7126997	586004	1174	WHI12000525	48	1.31	24.3	0.2	3	116.5		0.24	5.6	0.9		10.9	22.3		17	2.72	3.3		40	0.1	15.2		2.93	468	1.86	0.008		24.2	0.058			22.15				0.01	1.05		
1346867	FT	2012-07-29	UTM83-8	7126907	585999	1195	WHI12000525	74	0.87	44.7	0.1	4	145.9		0.16	10.18	0.4		7.7	15.1		16.63	1.74	2.2		33	0.13	10.1		5.35	211	2.6	0.015		24	0.05			12.59				0.01	0.59		
1346868	FT	2012-07-29	UTM83-8	7126805	586005	1234	WHI12000525	119	1.58	24.2	0.2	4	230.8		0.26	2.98	0.5		11.8	28.2		18.02	2.72	4.4		38	0.11	16.1		1.62	519	1.62	0.01		25.7	0.05			17.47				0.01	0.88		
1346869	FT	2012-07-29	UTM83-8	7126751	586000	1249	WHI12000525	75	0.63	18.6	0.4	5	82.8		0.09	12.08	0.36		6.4	12.2		10.45	1.36	1.5		18	0.07	8.7		5.17	215	1.05	0.013		14.6	0.049			8.93				0.01	0.55		
1346870	FT	2012-07-29	UTM83-8	7126701	585998	1258	WHI12000525	55	0.62	27.6	0.2	4	106.2		0.11	11.88	0.67		8	12.9		11.03	1.6	1.3		22	0.08	9.4		6.23	419	1.18	0.013		17.6	0.054			9.85				0.01	0.51		
1346871	FT	2012-07-30	UTM83-8	7127453	589190	1289	WHI12000525	86	1.05	154.2	0.1	14	102.6		0.2	8.36	0.38		8.3	19.2		19.48	1.84	2.4		34	0.18	17.4		4.23	270	2.15	0.015		27.2	0.092			13.15				0.01	0.8		
1346872	FT	2012-07-30	UTM83-8	7127560	589195	1256	WHI12000525	116	1.28	21.7	0.1	5	121		0.26	3.41	0.45		10.1	23.1		20.02	2.39	3.6		47	0.14	15.6		1.54	543	1.39	0.008		24.9	0.088			20.5				0.04	0.64		
1346873	FT	2012-07-30	UTM83-8	7127601	589200	1244	WHI12000525	146	1.27	14.4	0.1	4	160.5		0.24	2.49	0.45		9.9	25.2		16.6	2.39	3.6		55	0.11	13.3		1.27	740	1.39	0.007		21.4	0.109			22.45				0.06	0.74		
1346874	FT	2012-07-30	UTM83-8	7127648	589203	1252	WHI12000525	149	1.55	9.8	0.3	5	167.3		0.27	0.87	0.18		10.4	28.9		17.31	2.61	4.6		46	0.16	14.1		0.86	440	0.93	0.005		24.8	0.062			24.05				0.04	0.41		
1346875	FT	2012-07-30	UTM83-8	7127692	589244	1237	WHI12000525	151	1.49	7.3	0.8	8	146.9		0.21	1.44	0.12		8.8	28.4		22.99	2.26	4.4		62	0.18	13.7		1.05	358	0.84	0.005		21.8	0.089			18.3				0.07	0.37		
1346876	FT	2012-07-30	UTM83-8	7127730	589297	1240	WHI12000525	110	1.57	8.4	1.5	7	160.5		0.21	2.13	0.15		10	29.2		22.29	2.44	4.7		70	0.2	14.1		1.76	413	0.8	0.006		24.4	0.067			18.13				0.03	0.39		
1346877	FT	2012-07-30	UTM83-8	7127765	589360	1215	WHI12000525	134	1.37	6.4	0.5	11	147.8		0.24	1.49	0.11		8.8	25.4		28.71	2.04	4.3		64	0.24	12.9		1.01	278	0.44	0.004		23	0.053			15.52				0.05	0.32		
1346878	FT	2012-07-30	UTM83-8	7127757	589396	1180	WHI12000525	137	1.09	8.4	0.8	8	107		0.17	5.23	0.29		7.3	18		17.36	1.83	3		55	0.18	8.3		2.9	328	0.89	0.008		17.5	0.077			22.81				0.01	0.4		
1346879	FT	2012-07-30	UTM83-8	7127709	589403	1174	WHI12000525	107	1.26	8.5	0.2	8	106.2		0.21	4.53	0.18		10.1	24.1		20.99	2.39	3.8		55	0.19	11		3.09	539	0.76	0.006		21.5	0.072			22.21				0.01	0.33		
1346880	FT	2012-07-30	UTM83-8	7127661	589393	1187	WHI12000525	139	1.25	33	0.1	7	167.9		0.29	4.77	0.69		12.6	22.6		25.24	2.63	3		49	0.14	15.5		2.35	421	2.88	0.009		34.1	0.08			22.26				0.01	1.12		
1346881	FT	2012-07-30	UTM83-8	7127609	589398	1218	WHI12000525	83	0.78	16.6	0.1	4	83.6		0.16	10.35	0.4		7.5	13.1		15.22	1.78	1.6		31	0.09	8.8		5.59	320	2.07	0.011		20.8	0.044			14.71				0.01	0.76		
1346882	FT	2012-07-30	UTM83-8	7127646	589591	1223	WHI12000525	41	0.34	8.6	1.3	4	46.6		0.09	9.83	0.17		4.6	8.3		9.21	1.27	0.9		14	0.06	5.7		5.6	197	1.37	0.01		11.5	0.024			8.03				0.03	0.51		
1346883	FT	2012-07-30	UTM83-8	7127691	589599	1195	WHI12000525	79	0.49	13.4	1.3	4	73.6		0.14	9.25	0.4		5.2	12.8		13.38	1.63	1.6		33	0.08	9.6		5.31	263	2.25	0.011		18.1	0.048			12.11				0.05	0.81		
1346884	FT	2012-07-30	UTM83-8	7127751	589602	1161	WHI12000525	111	0.9	20.8	1.5	3	71.6		0.16	7.3	0.69		7.1	16.1		15.47	1.86	1.9		39	0.07	11.3		4.05	382	2.13	0.011		20.2	0.068			12.07				0.07	0.83		
1346885	FT	2012-07-30	UTM83-8	7127799	589596	1142	WHI12000525	87	1.72	21.4	1.8	3	137.7		0.25	3.5	0.73		14.9	28.4		17.84	2.93	3.9		53	0.07	17.1		1.99	625	1.58	0.01		25.1	0.05			18.24				0.04	0.92		
1346886	FT	2012-07-30	UTM83-8	7127855	589595	1130	WHI12000525	67	0.76	14	0.8	3	58		0.13	8.25	0.24		8.3	12.7		18.83	2.04	1.7		34	0.09	5.6		5.03	279	1.77	0.011		17.7	0.04			16.63				0.04	0.68		
1346887	FT	2012-07-30	UTM83-8	7127898	589606	1110	WHI12000525	140	1.6	21.1	2	3	156		0.24	2.51	0.43		12.8	26.3		27.94	3.26	4.4		74	0.1	12.3		1.4	437	1.23	0.008		28.1	0.056			25.85				0.05	0.98		
1346888	FT	2012-07-30	UTM83-8	7127942	589605	1131	WHI12000525	150	1.17	8.5	2	5	161.3		0.14	4.47	0.4		8.7	20.4		25.2	2.11	3.1		86	0.09	10.7		2.47	545	1.17	0.004		19.9	0.09			23.56				0.07	0.53		
1346889	FT	2012-07-30	UTM83-8	7127995	589596	1138	WHI12000525	137	1.48	3.1	2.2	5	274.2		0.19	1.85	0.37		9.5	31.7		37.26	1.94	4.6		69	0.09	18.6		1.02	413	0.19	0.003		26.3	0.072			14.29				0.08	0.24		
1346904	SD	2012-07-28	UTM83-8	7125398	588994	1548	WHI12000522	135	0.89	12	0.9	6	181.9		0.14	11.18	0.37		7.4	16.4		14.73	1.9	1.9		37	0.09	10.9		5.06	319	2.46	0.009		19.6	0.052			11.91				0.05	0.72		
1346905	SD	2012-07-28	UTM83-8	7125448	588998	1536	WHI12000522	66	0.48	12.1	1.2	4	101.1		0.13	13.33	0.29		6.4	10.4		10.09	1.64	1.2		49	0.07	9.2		6.73	317	2.72														

Sample No.	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)
1346863	4.3	0.4	20.5			0.05	4	0.019	0.15	1.5	50	0.2			109.1	
1346864	1.5	0.4	177.6			0.03	0.7	0.004	0.37	1.5	35	0.05			57.4	
1346865	1.1	0.3	149.5			0.02	0.5	0.004	0.31	1.6	28	0.05			38.6	
1346866	4	0.2	55.8			0.05	2.3	0.008	0.29	1.2	39	0.1			105.8	
1346867	2.6	0.1	112.1			0.03	1.5	0.006	0.68	1.3	25	0.05			72.1	
1346868	4	0.2	51.6			0.01	2.8	0.013	0.3	1.2	48	0.2			90.1	
1346869	2.2	0.3	105.8			0.02	1.7	0.009	0.2	1.2	22	0.05			45.3	
1346870	2.2	0.3	103.3			0.01	1	0.005	0.31	1.1	22	0.05			78.8	
1346871	2.6	0.3	211.7			0.07	1.8	0.007	0.4	2.1	42	0.05			88.9	
1346872	2.7	0.5	37.9			0.03	1.4	0.006	0.2	1.8	29	0.05			111.7	
1346873	2.5	0.6	35.8			0.04	1.2	0.009	0.21	2	32	0.05			124.9	
1346874	4.9	0.3	33			0.05	3.4	0.005	0.23	1.5	28	0.05			107.7	
1346875	4.4	0.8	52			0.05	2	0.005	0.25	3	27	0.05			64.1	
1346876	4.5	0.6	39			0.03	3.3	0.006	0.21	2.6	30	0.05			73.9	
1346877	4.4	0.8	60.3			0.06	3	0.004	0.23	2.6	23	0.05			59.7	
1346878	3.2	0.4	61.5			0.05	1.9	0.005	0.55	1.7	20	0.05			98	
1346879	3.6	0.8	45.8			0.06	3.2	0.004	0.18	1.4	22	0.05			72.5	
1346880	3	0.4	52.1			0.06	1.3	0.007	0.69	1.3	37	0.05			123.4	
1346881	2.1	0.3	79.3			0.05	0.9	0.005	0.34	1	28	0.05			68.4	
1346882	1.3	0.1	88.4			0.03	0.9	0.004	0.21	0.7	21	0.05			35.3	
1346883	1.6	0.3	187.1			0.03	1	0.005	0.21	1	44	0.05			65.3	
1346884	1.7	0.3	55.8			0.03	0.6	0.006	0.22	1.6	46	0.05			71.8	
1346885	3.7	0.3	32.1			0.06	2.2	0.017	0.21	1.2	47	0.2			121.1	
1346886	2.5	0.2	62.1			0.01	1.8	0.003	0.36	0.8	23	0.05			57.1	
1346887	4	0.6	46.7			0.04	2.1	0.004	0.23	2	41	0.05			134.1	
1346888	2.9	0.6	65.7			0.01	1.3	0.007	0.21	2.9	26	0.05			117.9	
1346889	4.8	1.7	93.3			0.07	2	0.01	0.12	7.1	28	0.05			110.1	
1346904	2.3	0.3	82.3			0.01	0.9	0.008	0.27	1.2	30	0.05			59.9	
1346905	1.9	0.2	77.2			0.01	0.8	0.007	0.38	0.8	18	0.05			40.7	
1346906	1.8	0.2	45.7			0.01	0.7	0.006	0.12	0.3	20	0.05			51.7	
1346907	1.9	0.3	34.7			0.01	0.6	0.006	0.26	0.4	24	0.05			58.2	
1346908	1.3	0.3	60.8			0.01	0.7	0.01	0.07	0.4	16	0.1			23.9	
1346909	1.5	0.3	63.4			0.01	0.6	0.009	0.06	0.4	20	0.1			32.5	
1346910	5.9	0.4	81.8			0.01	1.3	0.002	0.31	0.4	36	0.05			54.3	
1346911	6.1	0.4	177.2			0.04	1.8	0.136	0.14	1.1	89	0.1			51.2	
1346912	1.5	0.3	77.8			0.04	0.6	0.003	0.18	0.6	13	0.05			35	
1346913	1.3	0.2	103.7			0.03	0.8	0.002	0.1	0.7	8	0.05			16.3	
1346914	1.5	0.2	87.4			0.03	0.8	0.002	0.16	0.6	11	0.05			29.8	
1346915	2.2	0.5	65.8			0.02	0.8	0.004	0.11	0.4	20	0.05			36.4	
1346916	2.3	0.4	67.5			0.01	0.8	0.004	0.1	0.3	18	0.05			28	
1346917	2.4	0.3	71.6			0.01	0.8	0.005	0.15	0.4	21	0.05			38.9	
1346918	1.8	0.3	71.9			0.01	0.9	0.007	0.17	0.5	17	0.05			27.4	
1346919	1.8	0.4	59.5			0.03	0.7	0.007	0.2	0.7	20	0.1			50.3	
1346920	1.3	0.4	62.1			0.01	0.3	0.005	0.1	0.8	17	0.05			82	
1346921	2.8	0.2	20.6			0.01	1.1	0.014	0.17	0.7	40	0.2			80	
1346922	5.8	0.3	10.2			0.04	3.4	0.007	0.22	0.7	34	0.1			132.4	
1346924	4.9	0.3	35			0.01	2.5	0.003	0.28	2	28	0.05			83	
1346925	5.7	0.3	44.7			0.04	2.6	0.002	0.26	1.8	22	0.05			62.7	
1346926	4.3	0.3	20.4			0.03	2.7	0.013	0.34	1.4	38	0.2			97	
1346927	3.3	0.3	22.4			0.04	1.6	0.007	0.27	1.6	35	0.1			84.7	
1346928	2.7	0.4	48.3			0.03	1.1	0.008	0.31	1.4	29	0.1			67.2	
1346929	3.7	0.3	45.7			0.04	2	0.009	0.28	0.9	32	0.1			84.6	
1346930	3.5	0.5	39.3			0.04	1.2	0.007	0.28	1.3	35	0.1			90	
1346931	2.8	0.3	51.6			0.04	1.2	0.005	0.16	1.1	30	0.05			64.7	
1346932	2.6	0.3	84.9			0.04	1	0.007	0.17	1	36	0.1			74.1	
1346933	4	0.3	71.6			0.03	1.8	0.007	0.22	1	41	0.1			81	
1346934	3.2	0.3	188.4			0.05	1.8	0.008	0.34	1.2	54	0.05			108.5	
1346935	2.9	0.4	205			0.01	1.3	0.008	0.31	1.4	50	0.1			107.1	
1346936	2.2	0.3	212.2			0.03	1.1	0.005	0.25	1.2	47	0.05			88.5	
1346937	2.2	0.3	231.7			0.04	1	0.009	0.27	1	40	0.05			67.5	
1346938	2.4	0.4	148.3			0.03	0.8	0.008	0.55	1	41	0.1			104.6	
1346939	2.2	0.5	78.9			0.03	0.6	0.007	0.25	1.2	40	0.2			80.7	
1346940	3	0.3	160			0.03	1.3	0.007	1.22	1.1	37	0.1			72.2	
1346941	1.8	0.3	79.6			0.01	0.9	0.005	0.19	1.1	23	0.1			65.6	
1346942	3.8	0.5	104.1			0.01	1.6	0.005	0.42	1.7	55	0.1			103.4	
1346943	1.5	0.1	141.1			0.01	0.8	0.003	0.17	1.7	38	0.05			42.9	
1346944	1.8	0.2	192.3			0.01	1	0.005	0.22	1.5	54	0.05			67.8	
1346945	4.1	0.2	83.5			0.01	2.2	0.007	0.2	2.6	34	0.05			100.3	
1346946	3.7	0.2	17.6			0.03	1.8	0.006	0.23	1.3	33	0.1			91.3	
1346947	2.7	0.1	43.3			0.01	1.1	0.002	0.2	1.5	15	0.05			69.5	
1346948	3.4	0.5	53.8			0.02	1.3	0.007	0.16	1.5	25	0.05			102.2	
1346949	4.3	0.5	35.3			0.01	1.7	0.007	0.17	1.1	26	0.05			105.1	
1346950	4.9	0.4	40.9			0.01	2.2	0.007	0.21	1.5	30	0.05			145.4	
1346951	4.2	0.05	30.5			0.07	4.7	0.002	0.45	1	21	0.05			78.5	
1346952	4.4	0.4	26.1			0.04	4.3	0.002	0.38	1.8	23	0.05			85.7	
1346953	2.8	0.2	49.1			0.01	1.7	0.002	0.37	0.7	12	0.05			73.3	
1346954	2.1	0.3	135.7			0.03	1.2	0.005	0.35	1.7	35	0.05			52.2	
1346955	0.9	0.2	113.8			0.01	0.6	0.001	0.02	0.8	4	0.05			13.7	
1346956	2	0.2	119.9			0.01	1.8	0.002	0.1	1.2	14	0.05			4.4	
1346957	1.9	0.2	117			0.03	1	0.005	0.36	1.5	46	0.05			59.6	
1346958	1.9	0.2	93			0.01	0.8	0.005	0.31	1.8	42	0.05			55.6	
1346959	3.4	0.3	118.6			0.07	1.7	0.008	0.64	1.3	61	0.05			98.6	
1346960	3.8	0.2	43.5			0.01	2.4	0.007	0.24	1.6	44	0.1			75.3	
1346961	5.2	0.05	31.3			0.01	2.7	0.006	0.18	2	39	0.05			86.1	

Appendix D:
Geochemical Statistics

2011 and 2012 Soil Sample Analytical Results Descriptive Statistics

	Ag (ppb)	Al (%)	As (ppm)	Au (ppb)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppb)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)	Mn (ppm)	Mo(ppm)	Na (%)	Nb (ppm)
Mean	147.64	1.21	15.41	1.81	3.71	132.93	0.80	0.21	3.85	0.87	25.96	11.22	21.60	1.98	23.11	3.16	3.59	0.06	0.06	207.17	0.03	0.10	12.31	14.79	1.97	880.71	1.33	0.01	0.31
Standard Error	3.12	0.01	0.70	0.03	0.04	1.51	0.01	0.00	0.08	0.05	0.43	0.14	0.16	0.07	0.26	0.03	0.03	0.00	0.00	32.85	0.00	0.00	0.10	0.38	0.04	15.41	0.03	0.00	0.01
Median	110	1.25	10.2	1.3	3	119.8	0.8	0.21	1.52	0.32	23.6	10.3	21.8	1.47	20.7	2.92	3.6	0.05	0.05	54	0.03	0.09	11.3	11.3	0.86	546	1.04	0.005	0.29
Mode	81	1.26	8.2	0.1	3	110.5	0.8	0.22	0.03	0.17	20.8	10.2	22.7	1.07	17.47	3.04	3.9	0.05	0.01	36	0.03	0.07	12.9	2.4	0.42	387	0.9	0.003	0.3
Standard Deviation	185.53	0.54	41.61	2.08	2.13	89.50	0.40	0.11	4.83	3.22	14.48	8.23	9.56	2.21	15.59	2.06	1.78	0.13	0.05	1951.04	0.06	0.05	6.19	12.87	2.30	915.35	1.83	0.00	0.20
Sample Variance	34421.11	0.29	1731.17	4.31	4.52	8010.36	0.16	0.01	23.34	10.40	209.72	67.65	91.43	4.90	243.08	4.23	3.16	0.02	0.00	3806545.63	0.00	0.00	38.31	165.51	5.28	837868.43	3.34	0.00	0.04
Kurtosis	205.43	0.46	1682.10	65.27	15.52	40.54	1.49	17.48	2.34	450.49	0.98	192.84	0.20	142.67	128.18	94.83	-0.04	872.68	1.85	602.10	684.88	23.42	0.95	2.21	1.91	18.09	235.84	77.44	2.24
Skewness	10.50	0.07	35.69	5.69	2.13	4.63	0.69	1.97	1.66	17.79	0.84	10.19	0.32	8.62	6.73	7.52	0.26	28.31	1.23	23.95	24.75	2.40	0.94	1.46	1.65	3.32	12.95	5.14	1.05
Range	5051	4.45	2063.9	39.2	34.5	1341.5	3.05	1.61	28.945	102.315	96.9	215.4	60.9	45.7	408.88	37.72	13.05	4.15	0.31	49997.5	1.85	0.915	40.5	87	11.18	9954	45.43	0.0815	1.55
Minimum	1	0.01	0.3	0.1	0.5	7.1	0.05	0.01	0.005	0.005	1.6	0.2	1.1	0.01	0.52	0.11	0.05	0.05	0.01	2.5	0.01	0.005	0.7	0.2	0.04	46	0.09	0.0005	0.01
Maximum	5052	4.46	2064.2	39.3	35	1348.6	3.1	1.62	28.95	102.32	98.5	215.6	62	45.71	409.4	37.83	13.1	4.2	0.32	50000	1.86	0.92	41.2	87.2	11.22	10000	45.52	0.082	1.56
Sum	520722	4270.8	54354.1	6385.4	13089	468860.3	911.5	756.97	13566.095	3086.085	29415.2	39555.8	76179.6	2241.2	81503.03	11148.97	12663.85	65.6	66.11	730687.5	34.01	342.29	43421.1	16759.1	6937.34	3106273	4676.46	17.961	348.8
Count	3527	3527	3527	3527	3527	3527	1133	3527	3527	3527	1133	3527	3527	1133	3527	3527	3527	1133	1133	3527	1133	3527	3527	1133	3527	3527	3527	3527	1133
Largest(1)	5052	4.46	2064.2	39.3	35	1348.6	3.1	1.62	28.95	102.32	98.5	215.6	62	45.71	409.4	37.83	13.1	4.2	0.32	50000	1.86	0.92	41.2	87.2	11.22	10000	45.52	0.082	1.56
Smallest(1)	1	0.01	0.3	0.1	0.5	7.1	0.05	0.01	0.005	0.005	1.6	0.2	1.1	0.01	0.52	0.11	0.05	0.05	0.01	2.5	0.01	0.005	0.7	0.2	0.04	46	0.09	0.0005	0.01
Confidence Level(95.0%)	6.13	0.02	1.37	0.07	0.07	2.95	0.02	0.00	0.16	0.11	0.84	0.27	0.32	0.13	0.51	0.07	0.06	0.01	0.00	64.41	0.00	0.00	0.20	0.75	0.08	30.22	0.06	0.00	0.01

2011 and 2012 Soil Sample Analytical Results Descriptive Statistics

	Ni (ppm)	P (%)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Rb (ppm)	Re (ppb)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (%)	Zn (ppm)	Zr (ppm)	
Mean	24.30	0.09	123.97	5.42	1.03	9.67	0.76	0.05	1.14	3.56	0.44	1.45	52.08	0.02	0.03	2.26	0.01	0.51	1.69	30.60	0.08	10.49	1.83	345.29	2.30	
Standard Error	0.22	0.00	46.22	0.07	0.01	0.15	0.02	0.00	0.07	0.03	0.01	0.05	1.32	0.00	0.00	0.03	0.00	0.04	0.03	0.26	0.00	0.17	0.28	23.25	0.06	
Median	23.8	0.077	26.17	5	1	9.4	0.5	0.04	0.52	3.4	0.4	1	33.6	0.025	0.03	1.9	0.005	0.2	1.2	30	0.05	10.16	1.49	106.9	1.7	
Mode	25.9	0.074	14.32	5	1	9.3	0.5	0.01	0.33	3.4	0.3	0.9	18.5	0.025	0.01	1.1	0.004	0.13	0.8	27	0.05	10.63		104.6	0.7	
Standard Deviation	13.21	0.06	2744.95	2.32	0.30	4.94	0.66	0.08	4.38	1.89	0.30	1.65	78.67	0.00	0.02	1.55	0.01	2.48	1.99	15.21	0.07	5.88	0.98	1380.68	1.96	
Sample Variance	174.60	0.00	7534762.67	5.40	0.09	24.39	0.44	0.01	19.20	3.56	0.09	2.72	6188.72	0.00	0.00	2.41	0.00	6.17	3.95	231.33	0.00	34.54	0.95	1906286.40	3.82	
Kurtosis	84.58	100.53	3433.03	48.83	471.01	-0.11	18.10	302.38	1336.46	7.20	43.35	94.15	87.92	-2.00	19.06	4.85	355.89	368.14	124.81	20.23	79.81	12.67	7.30	429.13	2.46	
Skewness	6.14	7.53	58.22	6.61	19.09	0.32	3.69	14.86	30.97	1.51	3.85	7.55	7.43	1.00	2.44	1.48	14.35	17.11	8.46	2.57	5.63	2.09	2.55	16.81	1.43	
Range	276	1.125	161998.91	25	8	29.25	6.5	1.91	204.23	20.65	5.65	29.15	1637.5	0	0.38	17.65	0.2235	74.47	42.45	210	1.35	65.98	3.58	46598.7	14.45	
Minimum	0.7	0.005	1.09	5	1	0.05	0.5	0.01	0.01	0.05	0.05	0.05	1.1	0.025	0.01	0.05	0.0005	0.02	0.05	1	0.05	1.4	1.08	1.3	0.05	
Maximum	276.7	1.13	162000	30	9	29.3	7	1.92	204.24	20.7	5.7	29.2	1638.6	0.025	0.39	17.7	0.224	74.49	42.5	211	1.4	67.38	4.66	46600	14.5	
Sum	85689.1	303.244	437232.12	6130	1168	10959.25	857	177.55	4017.85	12567.25	1569.3	1639.15	183672.8	28.325	121.81	7970.5	23.6895	1803.32	5951.1	107917	294.45	11885.01	21.91	1217822	2608.95	
Count	3527	3527	3527	1132	1133	1133	1133	3527	3527	3527	3527	1133	3527	1133	3527	3527	3527	3527	3527	3527	3527	3527	1133	12	3527	1133
Largest(1)	276.7	1.13	162000	30	9	29.3	7	1.92	204.24	20.7	5.7	29.2	1638.6	0.025	0.39	17.7	0.224	74.49	42.5	211	1.4	67.38	4.66	46600	14.5	
Smallest(1)	0.7	0.005	1.09	5	1	0.05	0.5	0.01	0.01	0.05	0.05	0.05	1.1	0.025	0.01	0.05	0.0005	0.02	0.05	1	0.05	1.4	1.08	1.3	0.05	
Confidence Level(95.0%)	0.44	0.00	90.62	0.14	0.02	0.29	0.04	0.00	0.14	0.06	0.01	0.10	2.60	0.00	0.00	0.05	0.00	0.08	0.07	0.50	0.00	0.34	0.62	45.58	0.11	

2011 and 2012 Rock Sample Percentiles for Select Elements

Percentile	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cd (ppm)	Co (ppm)	Cu (ppm)	Hg (ppb)	Mg (%)	Mo (ppm)	Ni (ppm)	Pb (ppm)	S (%)	Sb (ppm)	Tl (ppm)	Zn (ppm)
30	50	3.02	0.1	8.32	0.17	0.7	1.726	42.4	0.19	0.26	1.8	12.54	0.025	0.1	0.1	68.56
60	107.6	8.22	1	19.68	1.622	2.1	6.924	332.6	1.19	1.002	5.9	181.992	0.07	0.362	0.9	1734.2
80	387.6	21.34	1.1	54.2	7.818	4.86	17.628	1371.2	5.752	2.368	14.3	1700	0.31	1.324	4.13	11050.8
90	1323.4	41.28	1.76	153.54	18.488	11.48	61.382	3961.6	9.396	4.44	26.58	5312.526	1.206	3.978	10.32	25040
95	4635.8	57.38	3.16	288.36	49.046	28.88	78.596	6929.8	10.85	10.106	37.4	14680	7.744	8.566	31.624	34960
98	9947.24	76.1	5.288	1431.184	401.3616	68.408	211.7476	49362.24	11.7644	16.3664	82.64	30924	9.094	15.9024	50.246	116272
99	10668.92	175.996	11.276	2323.336	2000	78.76	7477.128	50000	11.9116	21.1056	112.684	45484	9.5788	18.724	52.6512	487340
100	20148	625	13.2	4438.9	2000	158.1	15940	50000	12.48	108.7	154.6	705000	10	34.2	103.7	530000

2011 and 2012 Soil Sample Percentiles for Select Elements

Percentile	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cd (ppm)	Co (ppm)	Cu (ppm)	Hg (ppb)	Mg (%)	Mo (ppm)	Ni (ppm)	Pb (ppm)	S (%)	Sb (ppm)	Tl (ppm)	Zn (ppm)
30	70	8	0.8	90.86	0.2	8.4	15.458	36	0.47	0.83	19.4	18.67	0.03	0.39	0.15	86.08
60	132.6	11.5	1.6	135.7	0.39	11.3	23.56	66	1.336	1.14	25.9	31.626	0.05	0.59	0.24	122
80	193.8	16.58	2.5	173.18	0.73	13.88	31.67	119.8	3.44	1.53	30.58	56.256	0.07	0.87	0.38	227.9
90	278	25.3	3.64	204.94	1.45	16.9	38.41	218	5.7	1.984	34.3	106.546	0.09	1.726	0.61	497.3
95	383.7	37.61	5.3	253.14	2.69	20.97	46.029	362.7	7.245	2.674	38.87	243.03	0.11	3.777	1.07	1102.32
98	557.28	62.448	7.348	345.4	6.37	26.948	58.1448	908.4	8.684	4.2684	46.948	594.7156	0.15	7.7644	2.3244	2833.66
99	735.74	91.89	8.8	457.418	10.5092	33.488	70.5556	1859.84	9.38	6.9988	66.196	1078.2468	0.2274	10.8774	5.031	4764.968
100	5052	2064.2	39.3	1348.6	102.32	215.6	409.4	50000	11.22	45.52	276.7	162000	1.92	204.24	74.49	46600

Appendix E:

2011 Precision GeoSurveys Inc. Airborne Geophysical Report on the Car Property



Precision
GeoSurveys Inc.

CarLin Property

Prepared for:
Radius Gold Inc.

August 2012
Shawn Walker, M.Sc., GIT

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1.0 Introduction:

This report outlines the survey operations and data processing actions taken during the airborne geophysical survey flown at the CarLin property. The survey area is located north east of Mayo, Yukon Territory, Canada (Figure 1). The airborne geophysical survey was flown by Precision GeoSurveys Inc. for Radius Gold Inc. The geophysical survey, carried out from November 30, 2011 to December 03, 2011 saw the acquisition of high resolution magnetic data.



Figure 1: Block location map.

1.1 Survey Area

The CarLin property is located in the eastern Yukon Territory. The survey blocks are approximately 160 km north east of Mayo, Yukon Territory, Canada (Figure 2).



Figure 2: CarLin North block and South block locations relative Mayo, Yukon Territory on Google Earth.

The Carlin property is composed of two smaller blocks, designated as the North block and the South block. The South block is approximately 7 km by 8 km (Figure 3) and the North block is approximately 7 km by 16 km (Figure 4). A total of 319 line kilometers of magnetic data were flown for this survey; this total includes tie lines and survey lines.



Figure 3: South block survey boundary in red.



Figure 4: North block survey boundary in red.

The South block survey lines were flown at 200 meter spacing at a 090°/270° heading; the tie lines were flown at 1 km spacing at a heading of 000°/180° (Figures 5 and 6).

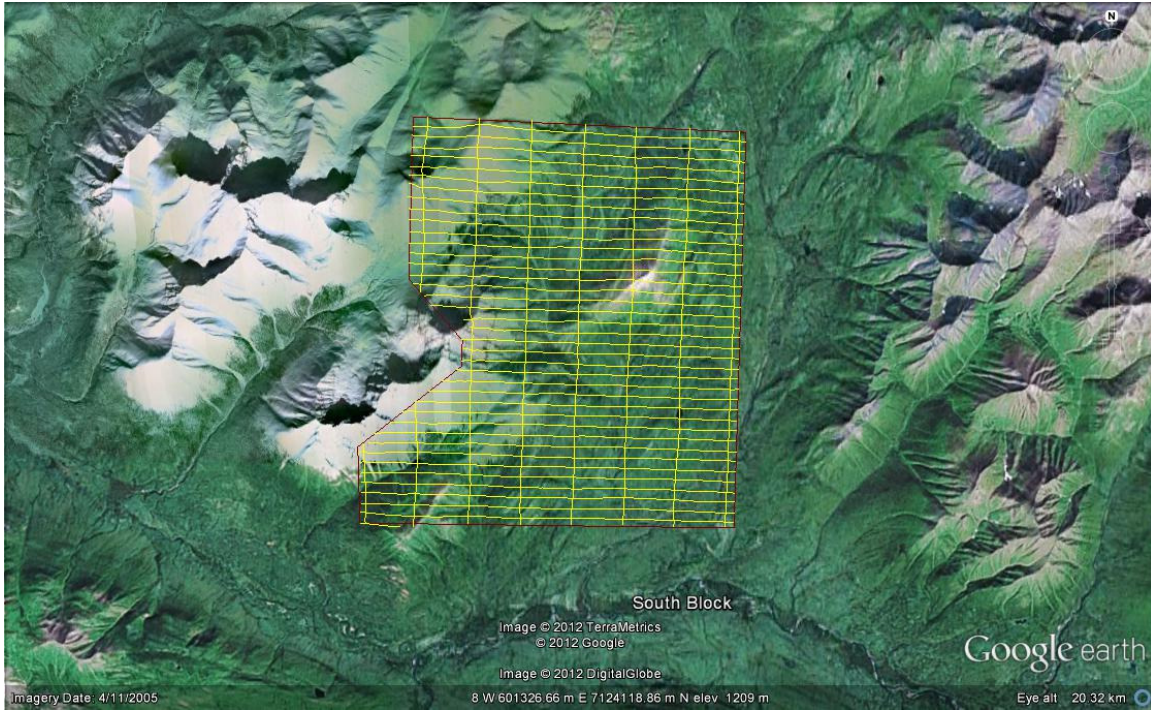


Figure 5: Plan View - South block with survey and tie lines outlined in yellow and the boundary in red.

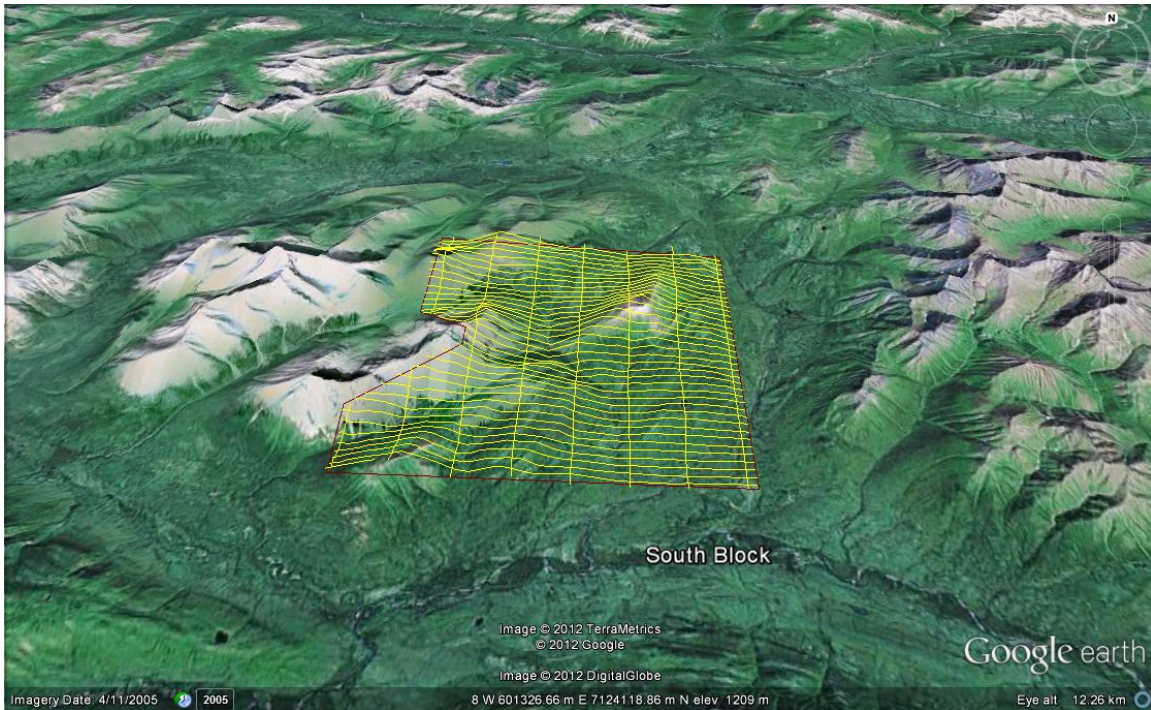


Figure 6: Terrain View - South block with survey and tie lines outlined in yellow and the boundary in red.

The North block survey lines were flown at 200 meter spacing at a 000°/180° heading; the tie lines were to be flown at 1 km spacing at a heading of 090°/270° (Figures 7 and 8).

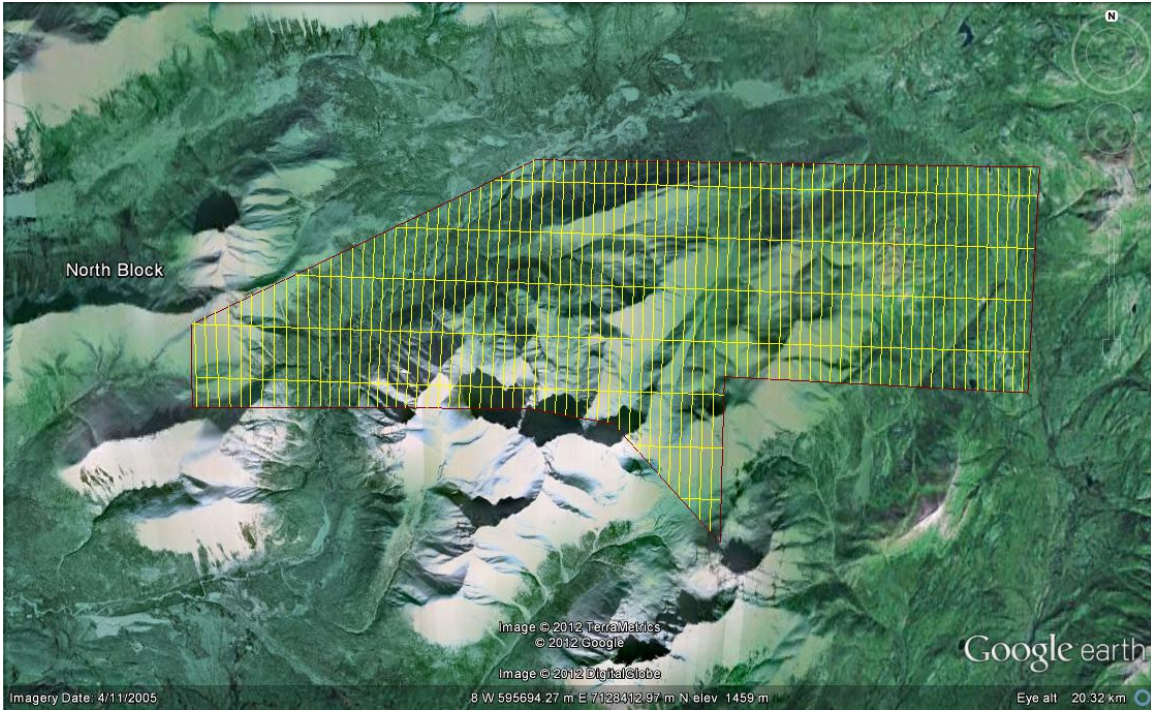


Figure 7: Plan View - North block with survey and tie lines outlined in blue and the boundary in yellow.

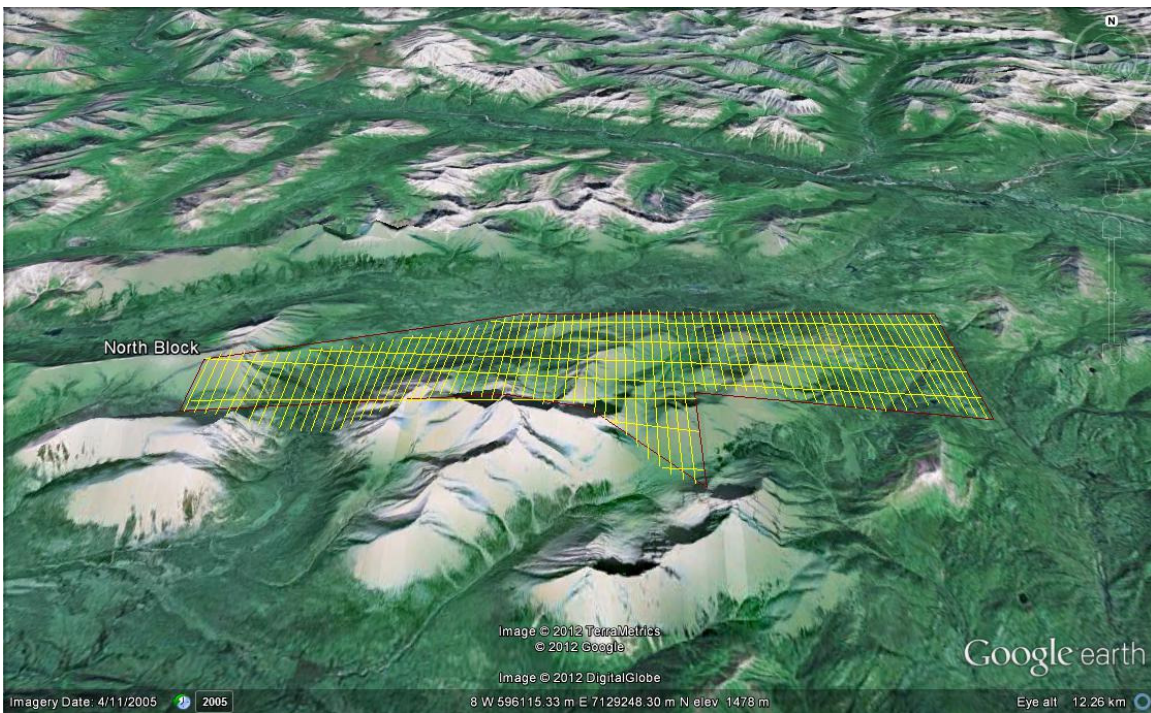


Figure 8: Terrain View - North block with survey and tie lines outlined in blue and the boundary in yellow.

The North and South blocks were overlapped by 300 m (Figures 9 and 10). This was done to give both blocks areas with common lines to allow for more seamless merging of the two datasets.

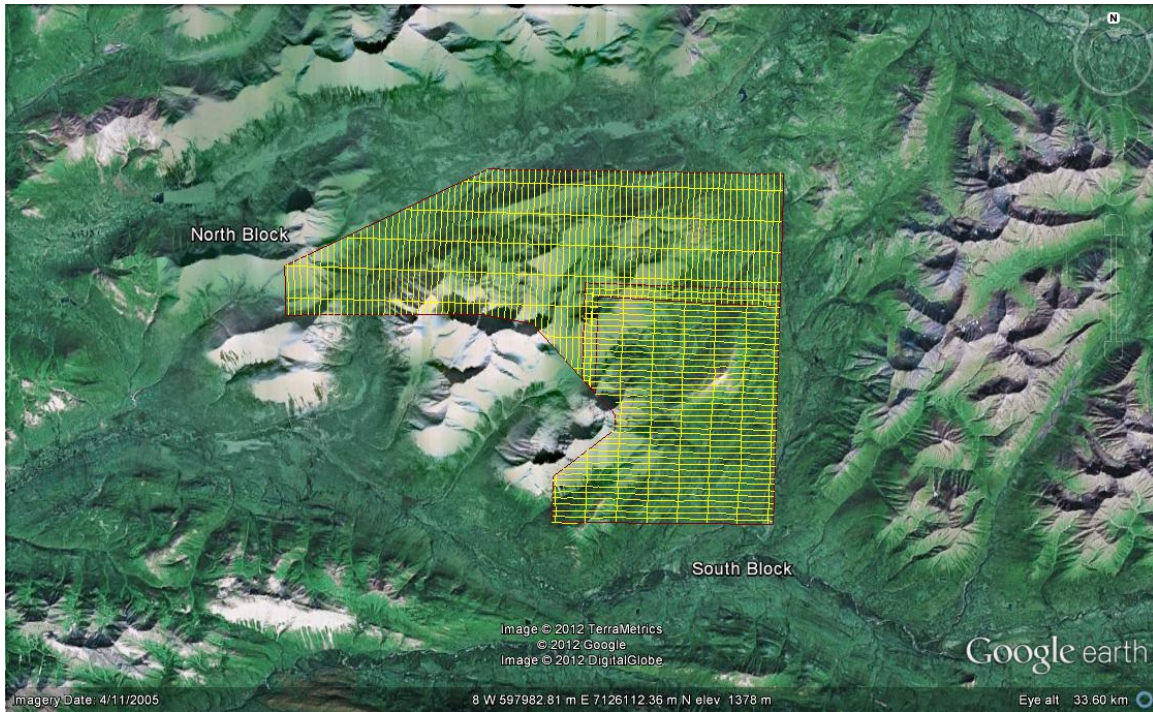


Figure 9: Plan View – South block and North block with 300 meter overlap.

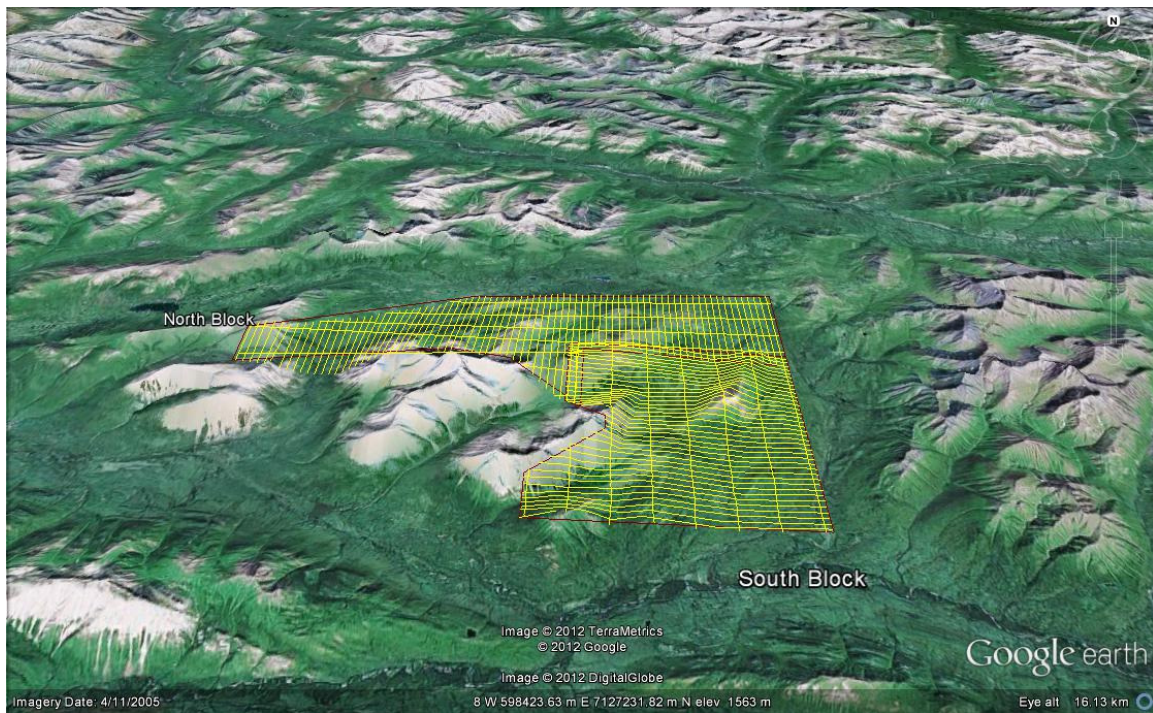


Figure 10: Terrain View – South block and North block with 300 meter overlap.

1.2 Survey Specifications:

The geodetic system used for this survey is WGS 84 and the area is contained in zone 8N (Figure 11). The survey data acquisition specifications and coordinates for the CarLin survey are specified as followed (Tables 1 to 3).

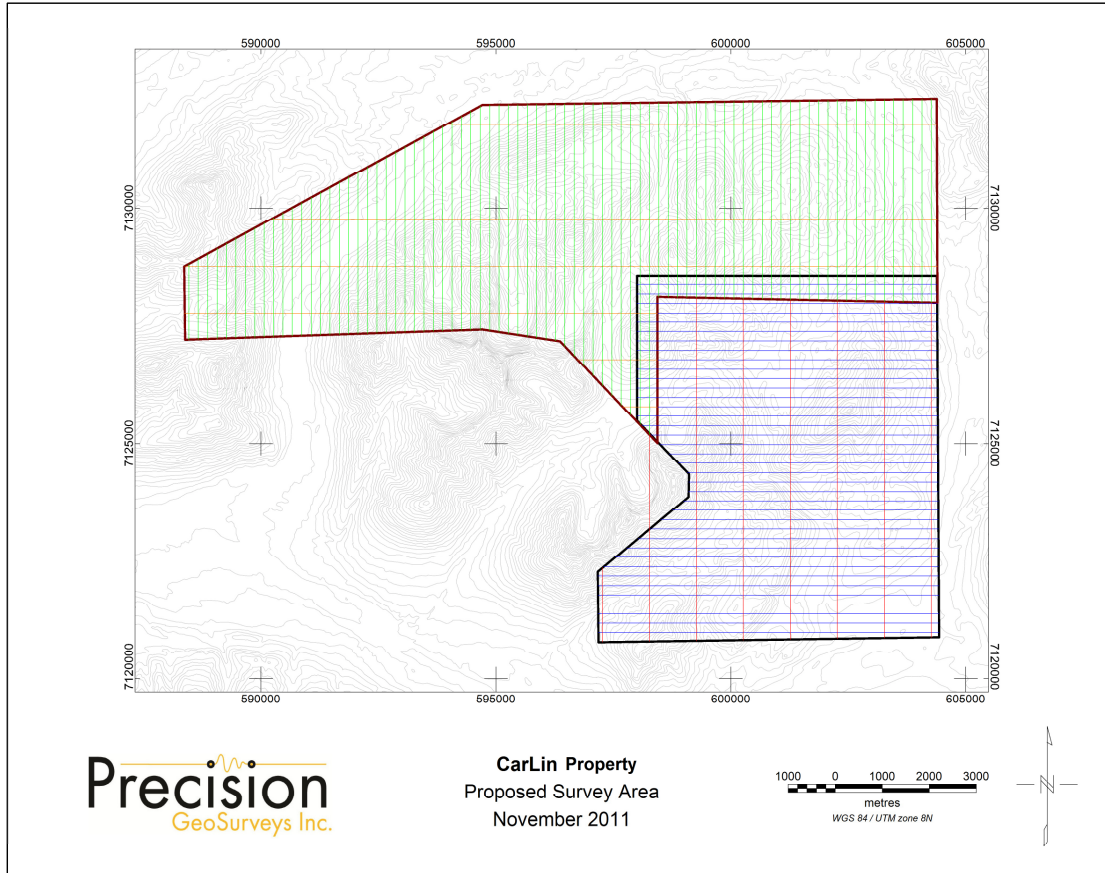


Figure 11: Proposed survey map of CarLin property showing survey lines, tie lines and the blocks boundary.

Survey block	Line Spacing m	Planned Survey Line km	Planned Tie Line km	Total Planned Line km	Total Actual Flown km	Survey Line Orientation	Nominal Survey Height m
South	200	242	56	298	296	090°/270°	35
North	200	329	65	394	23	000°/180°	35
Total				692	319		

Table 1: CarLin survey acquisition specifications.

Longitude	Latitude	Easting	Northing
132.99857565	64.19954767	597183	7120779
132.99795913	64.21293315	597166	7122271
132.95710774	64.22666819	599099	7123864
132.95662261	64.23100641	599107	7124348
132.97858308	64.24150103	598005	7125483
132.97657018	64.26902417	598005	7128552
132.84489469	64.26714305	604388	7128552
132.84935978	64.19833213	604431	7120880

Table 2: South block survey polygon coordinates using WGS 84 in zone 8N.

Longitude	Latitude	Easting	Northing
133.17532120	64.27359555	588366	7128770
133.04221328	64.30264750	594711	7132198
132.84244145	64.30094360	604379	7132321
132.84511841	64.26215478	604396	7127996
132.96792202	64.26502612	598438	7128120
132.96997145	64.23711748	598438	7125008
133.01133815	64.25709475	596363	7127170
133.04525067	64.25976041	594711	7127416
133.17589692	64.25955447	588383	7127205

Table 3: North block survey polygon coordinates using WGS 84 in zone 8N.

2.0 Geophysical Data:

Geophysical data are collected in a variety of ways and are used to aid in the exploration and determination of geology, mineral deposits, oil and gas deposits, contaminated land sites and UXO detection.

Magnetic surveying is probably the most common airborne survey type to be conducted for both mineral and hydrocarbon exploration. The type of survey specifications, instrumentation, and interpretation procedures, depend on the objectives of the survey. Typically magnetic surveys are performed for:

1. Geological Mapping to aid in mapping lithology, structure and alteration in both hard rock environments and for mapping basement lithology, structure and alteration in sedimentary basins or for regional tectonic studies.
2. Depth to Basement mapping for exploration in sedimentary basins or mineralization associated with the basement surface.

3.0 Survey Operations:

Precision GeoSurveys operated out of the town of Mayo, Yukon Territory. The crew will have the base station set up prior to the start of the survey. The experience of the pilot helped to ensure that the data quality objectives were met and that the safety of the flight crew was never compromised given the potential risks involved in airborne surveying. Field processing and quality control checks are done daily.

3.1 Operations Base and Crew:

The base of operations for this survey was the town of Mayo, Yukon Territory, Canada. The Precision crew consisted of three members:

Ola Vaage - Pilot
Christina Larocque - Operator
Shawn Walker – on-site Geophysicist

The survey was started on November 30, 2011 and completed on December 3, 2011. The survey did not encounter any delays from solar storms but did experience difficulty due to meteorological weather. Low ceilings and snowfall caused dangerous conditions and the survey brought an end to the survey prior to completion of the North block.

3.2 Base Station Specifications:

Two magnetic base stations were set up before every flight to ensure that diurnal activity was recorded during the survey flights. In this case, GEM 3 (Serial # 5081669) at the edge of a small lake located on the South block and GEM 5 (Serial # 1094678) was located near the town of Mayo in order to be monitored by the on-site geophysicist (Table 4).

Station name	Easting/ Northing	Longitude/ Latitude	Datum/ Projection
GEM 3 (Serial # 5081669)	587156E, 7123037N	64° 13' 20.94'' N 133° 12' 13.08'' W	WGS84, Zone 8N
GEM 5 (Serial # 1094678)	456322E, 7053868N	63° 36' 36.35'' N 135° 52' 50.73'' W	WGS84, Zone 8N

Table 4: Base station specifications.

Base station readings were reviewed at regular intervals to ensure that no data were collected during periods with high diurnal activity (greater than 5 nT per minute). The base stations were installed at a magnetically noise-free area, away from metallic items such as steel objects, vehicles, or power lines that could affect the survey data.

The diurnal magnetic variations recorded from the stationary base stations are removed from the magnetic data recorded in flight to ensure that the anomalies seen are real and not due to solar activity.

3.3 Field Processing and Quality Control:

On a flight-by-flight basis, the survey data were transferred onto a USB flash drive and copied onto a field data processing laptop. The raw data files are in PEI binary data format and are converted into Geosoft GDB database format. Using Geosoft Oasis Montaj 7.5, the quality of the data is inspected to see if it meets the contract specifications (see Table 5). If survey and tie lines exhibit excessive deviation from (left/right or up/down) the contract specifications, or were considered to be inferior quality, were reflight. Any suspicious anomalies, especially those found on a single flight line, were reflight. All re-flights will be a minimum of 2000 m long and survey line re-flights crosses at least two tie lines, and tie line re-flights will cross at least 7 survey lines where applicable. For this survey project, no re-flights were required due to diurnal or equipment malfunctions.

Specification	Technology	Details
Line Spacing	Position	Flight lines deviate from flight path by more than +/- 15 m left/ right for 1 km or more.
Height		Flight lines deviate from height by more than +/- 10 up/down (with a nominal flight height of 35 m above ground) for 1 km or more.
Diurnal Variations	Magnetics	Non-linear magnetic diurnal variations exceed 10nT from a linear chord of length one (1) mintue
Normalized 4 th Difference		Magnetic data exceeding 0.30 nT peak to peak for distances greater than 1 km or more (provided noise is not due to geological or cultural features).

Table 5: Contract re-flight specifications.

4.0 Aircraft and Equipment:

All geophysical and subsidiary equipment are carefully installed on Precision GeoSurvey's aircraft. For this survey, a magnetometer, a data acquisition system, base stations, laser altimeter, and a pilot display interface (PDI) were required to carry out the survey and collect quality, high resolution data. The survey magnetometer was carried in an approved "stinger" configuration to enhance flight safety and improve data quality in this mountainous terrain.

4.1 Aircraft:

Precision GeoSurveys flew the blocks using a Bell 206 BIII Jet Ranger (Figure 12), registration C-FZHK. The survey lines were flown at a nominal line spacing of two hundred (200) meters and the tie lines were flown at 1 km. The average survey elevation was 35 meters vertically above ground for both blocks.



Figure 12: Bell 206 Jet Ranger helicopter equipped with mag stinger for magnetic data acquisition.

4.2 Equipment:

For this survey, a magnetometer, base station, laser altimeter, pilot display interface, and a data acquisition system were required to carry out the survey and collect quality, high resolution data. The survey magnetometer is carried in an approved “stinger” configuration to enhance flight safety and improve data quality in this mountainous terrain.

4.2.1 AGIS:

The Airborne Geophysical Information System, AGIS, (Figure 13), is the main computer used in data recording, data synchronizing, displaying real-time QC data for the geophysical operator, and the generation of navigation information for the pilot and operator display system.



Figure 13: AGIS installed in the Bell 206.

The AGIS was manufactured by Pico Envirotec; therefore the system uses standardized Pico software and external sensors are connected to the system via RS-232 serial communication cables. The AGIS data format is easily converted into Geosoft or ASCII file formats by a supplied conversion program called PEIView. Additional Pico software allows for post real time magnetic compensation and survey quality control procedures.

4.2.2 Magnetometer:

The magnetometer used by Precision GeoSurveys is a Scintrex cesium vapor CS-3 magnetometer. The system was housed in a front mounted “stinger” (Figure 14). The CS-3 is a high sensitivity/low noise magnetometer with automatic hemisphere switching and a wide voltage range, the static noise rating for the unit is +/- 0.01 nT. On the AGIS screen the operator can view the raw magnetic response, the magnetic fourth difference, aircraft position, and the survey altitude for immediate QC of the magnetic data. The magnetic data are recorded at 10 Hz. A magnetic compensator is also used to remove noise created by the movement of the helicopter as it pitches, rolls and yaws within the Earth’s geomagnetic field.



Figure 14: View of the mag stinger.

4.2.3 Base Station:

For monitoring and recording of the Earth's diurnal magnetic field variation, Precision GeoSurveys operates two magnetometer base stations continuously throughout the airborne data acquisition survey. Precision GeoSurveys operates two GEM GSM-19T magnetometer base stations. The base stations are installed mounted close to the survey blocks, and in an area with low magnetic gradient, as possible to give accurate magnetic field data. It is located in an area away from electric transmission power lines and moving ferrous objects, such as aircraft and motor vehicles that could affect the survey data integrity.

The GEM GSM-19T magnetometer with GPS (Figure 15) uses the proton precession technology sampling at a rate of 0.5 Hz. The GSM-19T has an accuracy of +/- 0.2 nT at 1 Hz. Base station data recorded in the solid-state memory of the base station, are downloaded onto a field laptop using GEMLink 5.0 software. Profile plots of the base station readings are generated and updated at the end of each survey day



Figure 15: GEM GSM-19T proton precession magnetometer.

4.2.4 Laser Altimeter:

The pilot is provided with terrain guidance and clearance information from an Acuity AccuRange AR3000 laser altimeter (Figure 16). This is attached at the aft end of the magnetometer boom. The AR3000 sensor is a time-of-flight sensor that measures distance by a rapidly-modulated and collimated laser beam that creates a dot on the target surface. The maximum range of the laser altimeter is 300 m off of natural surfaces with 90% reflectance and 3 km off special reflectors. Within the sensor unit, reflected signal light is collected by the lens and focused onto a photodiode. Through serial communications and analog outputs, the distance data are transmitted and collected by the AGIS at 10 Hz.



Figure 16: Acuity AccuRange AR3000 laser altimeter.

4.2.5 Pilot Display Interface:

The PDI (Pilot Display Interface) is a graphical display type unit that provides continuous steering and elevation information to the pilot. It is mounted remotely from the data system on top of the instrument panel. The PDI assists the pilot to keep the helicopter on the flight path and at the desired ground clearance.

5.0 Data Acquisition Magnetometer Checks:

At the start of the survey, airborne equipment tests were conducted. There are three tests conducted for the airborne magnetometer: compensation flight, lag test, and the heading error test (clover leaf test).

5.1 Compensation Flight Test:

During aeromagnetic surveying noise is introduced to the magnetic data by the aircraft itself. Movement in the aircraft (roll, pitch and yaw) and the permanent magnetization of the aircraft parts (engine and other ferric objects) are large contributing factors to this noise. To remove this noise a process called magnetic compensation is implemented. The magnetic compensation process starts with a test flight at the beginning of the survey where the aircraft flies in the four orthogonal headings required for the survey (000°/180° and 090°/270° in the case of this survey) at an altitude (typically > 1,500 m AGL) where there is no ground effect in the magnetic data. In each heading, three specified roll, pitch, and yaw maneuvers are performed by the pilot; these maneuvers provide the data that are required to calculate the necessary parameters for compensating the magnetic data.

5.2 Lag Test:

A lag test was performed to determine the relationship between the time the digital reading was recorded by the instrument and the time for the position fix that the fiducial of the reading was obtained by the GPS system.

The test was flown in the four orthogonal headings over an identifiable magnetic anomaly (ie.Truck, Trailer, etc.) at survey speed and height. A lag of 10 fiducials (1.0 seconds) was determined from the lag test.

5.3 Heading Error Test:

To determine the magnetic heading effect a cloverleaf pattern flight test was conducted. The cloverleaf test was flown in the same heading as the survey and tie lines at 300 m AGL in area with low magnetic gradient. For each direction, it must fly over a recognizable feature on the ground in order to calculate the heading error. For all four directions it must pass over the same mid-point all four times.

6.0 Data Processing:

After all the data are collected from a survey flight several procedures are undertaken to ensure that the data meet a high standard of quality. All data were processed using Pico Envirotec software and Geosoft Oasis Montaj geophysical processing software.

Before any processing and editing of the raw magnetic data, the data obtained from the compensation flight test must be applied to the raw magnetic data. A computer program called PEIComp is used to create a model from the compensation flight test for each survey to remove the noise induced by aircraft movement; this model is applied to each survey flight so the data can be further processed.

Filtering is applied to the laser altimeter data to remove vegetation clutter and to show the actual ground clearance. To remove vegetation clutter a Rolling Statistic filter is applied

to the laser altimeter data and a low pass filter is used to smooth out the laser altimeter profile to remove isolated noise. As a result, filtering the data will yield a more uniform surface in close conformance with the actual terrain.

The processing of the magnetic data involved the correction for diurnal variations. The base station data is edited, plotted and merged into a Geosoft (.gdb) database daily. The airborne magnetic data are corrected for diurnal variations by subtracting the observed magnetic base station deviations. Following the diurnal correction, a lag correction is applied. A lag correction of 1.0 seconds was applied to the total magnetic field data to compensate for the lag in the recording system as the magnetometer sensor flies 5.70 m ahead of the GPS antenna. Lastly, a heading correction was applied to the data.

Some filtering of the magnetic data is also required. A Non Linear filter was used for spike removal. The 1D Non-Linear Filter is ideal for removing very short wavelength, but high amplitude features from data. It is often thought of as a noise spike-rejection filter, but it can also be effective for removing short wavelength geological features, such as signals from surficial features. The 1D Non-Linear Filter is used to locate and remove data that is recognized as noise. The algorithm is 'non- linear' because it looks at each data point and decides if that datum is noise or a valid signal. If the point is noise, it is simply removed and replaced by an estimate based on surrounding data points. Parts of the data that are not considered noise are not modified. The combination of a Non-Linear filter for noise removal and a low pass trend enhancement filter resulted in level data as indicated in the results section of this report. The low pass filter smooths out the magnetic profile to remove isolated noise.

The corrected magnetic data from the survey and tie lines were used to level the South block survey dataset. Two forms of leveling are applied to the corrected data: conventional leveling and micro-leveling. There are two components to conventional leveling; the first involves statistical leveling of magnetic data to correct miss ties (intersection errors) followed by specific patterns or trends. For the second component, tie lines are brought to a common regional base value using the mean value of the cross-level error. To obtain the best possible leveled data, individual corrections are edited at selected intersections. Lastly, micro-leveling is applied to the corrected conventional leveled data. This will remove any residual noise related to flight line direction, and any low amplitude component of flight line noise, that still remains in the data after tie line leveling.

Due to weather and time constraints, the North block was not completed. No tie lines were flown, and therefore, leveling could not be performed on the data collected on the North block.

7.0 Deliverables:

All digital data will be presented on a compact disc (CD) and a copy of the logistic report and maps will be printed out. The survey data are presented as digital databases, maps, and report.

7.1 Digital Data:

The file format will be provided in two (2) formats, the first will be a .GDB file for use in Geosoft Oasis Montaj, the second format will be a .XYZ file, this is a text file. A complete file provided in each format will contain magnetic data. Full descriptions of the digital data and contents are included into the report (Appendix B).

The digital data are represented into grids. The following grids prepared for the Carlin block are listed below:

- Digital terrain model (DTM)
- Leveled and unlevelled total magnetic intensity (TMI)
- Calculated vertical gradient (CVG) - first vertical derivative

The digital data represented into grids are exported into kmz files which can be displayed using Google Earth. The grids are laid overtop topography and rendered to give a 3D view.

7.2 Maps:

For the CarLin property, maps were created for the South block and the North block. The following map products prepared are listed below:

South Block Magnetic Maps (colour images with elevation contour lines):

- Digital terrain model
- Flight lines
- Total magnetic intensity (Leveled)
- Total magnetic intensity with plotted flight lines (Leveled)
- Calculated vertical gradient

North Block Magnetic Maps (colour images with elevation contour lines):

- Flight lines
- Total magnetic intensity (Un-leveled)
- Total magnetic intensity with plotted flight lines (Un-leveled)

All maps created were in prepared in World Geodetic System 84 (WGS 84) datum, and UTM zone 8N.

7.3 Report:

The report provides information about the acquisition, procedures, magnetic processing, and presentation of the CarLin survey data. A .pdf copy of the report is included along with the digital data and maps that are provided on the CD report.

Appendix A

Equipment Specifications

- GEM GSM-19T Proton Precession Magnetometer (Base Station)
- Scintrex CS-3 Survey Magnetometer
- Bartington Mag-03 three-axis fluxgate magnetic field sensor
- Pico Envirotec AGIS data recorder system (for Navigation, Gamma spectrometer, VLF-EM and Magnetometer Data Acquisition)

GEM GSM-19T Proton Precession Magnetometer (Base Station)

Configuration Options	15
Cycle Time	999 to 0.5 sec
Environmental	-40 to 60 ° Celsius
Gradient Tolerance	7,000 nT/m
Magnetic Readings	299,593
Operating Range	10, 000 to 120,000 nT
Power	12 V @ 0.62 A
Sensitivity	0.1 nT @ 1 sec
Weight (Console/ Sensor)	3.2 Kg
Integrated GPS	Yes

Scintrex CS-3 Survey Magnetometer

Operating Principal	Self-oscillation split-beam Cesium Vapor (non-radioactive Cs-133)
Operating Range	15,000 to 105,000 nT
Gradient Tolerance	40,000 nT/metre
Operating Zones	10° to 85° and 95° to 170°
Hemisphere Switching	a) Automatic b) Electronic control actuated by the control voltage levels (TTL/CMOS) c) Manual
Sensitivity	0.0006 nT $\sqrt{\text{Hz}}$ rms.
Noise Envelope	Typically 0.002 nT P-P, 0.1 to 1 Hz bandwidth
Heading Error	+/- 0.25 nT (inside the optical axis to the field direction angle range 15° to 75° and 105° to 165°)
Absolute Accuracy	<2.5 nT throughout range
Output	a) continuous signal at the Larmor frequency which is proportional to the magnetic field (proportionality constant 3.49857 Hz/nT) sine wave signal amplitude modulated on the power supply voltage b) square wave signal at the I/O connector, TTL/CMOS compatible
Information Bandwidth	Only limited by the magnetometer processor used
Sensor Head	Diameter: 63 mm (2.5") Length: 160 mm (6.3") Weight: 1.15 kg (2.6 lb)
Sensor Electronics	Diameter: 63 mm (2.5") Length: 350 mm (13.8") Weight: 1.5 kg (3.3 lb)
Cable, Sensor to Sensor Electronics	3m (9' 8"), lengths up to 5m (16' 4") available
Operating Temperature	-40°C to +50°C
Humidity	Up to 100%, splash proof
Supply Power	24 to 35 Volts DC
Supply Current	Approx. 1.5A at start up, decreasing to 0.5A at 20°C
Power Up Time	Less than 15 minutes at -30°C

Bartington Mag-03 three-axis fluxgate magnetic field sensor

Number of axes	3
Bandwidth	0 to 3kHz at 50 μ T peak
Internal Noise: Basic version Standard version Low Noise version	>10 to 20pTrms/ $\sqrt{\text{Hz}}$ at 1Hz 6 to \leq 10pTrms/ $\sqrt{\text{Hz}}$ at 1Hz <6pTrms/ $\sqrt{\text{Hz}}$ at 1Hz
Scaling error (DC)	< \pm 0.5%
Orthogonality error	<0.1 $^{\circ}$
Alignment error (Z axis to reference face)	<0.1 $^{\circ}$
Linearity error	<0.0015%
Frequency response	0 to 1kHz maximally flat, \pm 5% maximum at 1kHz
Input voltage	\pm 12V to \pm 17V
Supply current	+30mA, -10mA (+1.4mA per 100 μ T for each axis)
Power supply rejection ratio	5 μ V/V (-106dB)
Analog output	\pm 10V (\pm 12V supply) swings to within 0.5V of supply voltage
Output impedance	10 Ω
Operating temperature range	-40 $^{\circ}$ C to +70 $^{\circ}$ C
Environmental protection	IP51
Dimensions (W x H x L)	32 x 32 x 152mm
Weight	160g
Enclosure material	Reinforced epoxy
Connector	ITT Cannon DEM-9P-NMB
Mating connector	ITT Cannon DEM-9S-NMB
Mounting	2 x M5 fixing holes

Pico Envirotec AGIS data recorder system

(for Navigation, Gamma spectrometer, VLF-EM and Magnetometer Data Acquisition)

Functions	Airborne Geophysical Information System (AGIS) with integrated Global Positioning System Receiver (GPS) and all necessary navigation guidance software. Inputs for geophysical sensors - portable gamma ray spectrometer GRS-10, MMS4 Magnetometer, Totem 2A EM, A/D converter, temperature probe, humidity probe, barometric pressure probe, and laser altimeter. Output for the 2 line Pilot Indicator
Display	Touch screen with display of 800 x 600 pixels; customized keypad and operator keyboard. Multi-screen options for real-time viewing of all data inputs, fiducial points, flight line tracking, and GPS channels by operator.
GPS Navigation	Garmin 12-channel, WAAS-enabled
Data Sampling	Sensor dependent
Data Synchronization	Synchronized to GPS position
Data File	PEI Binary data format
Storage	80 GB
Supplied Software	PEIView: Allows fast data Quality Control (QC) Data Format: Geosoft GBN and ASCII output PEIConv: For survey preparation and survey plot after data acquisition
Software	Calibration: High voltage adjustment, linearity correction coefficients calculation, and communication test support Real Time Data Collection: Automatic Gain real time control on natural isotopes and PC based test and calibration software suite
Power Requirements	24 to 32 VDC
Temperature	Operating:-10 to +55 deg C; storage:-20 to +70 deg C

Appendix B

Digital File Descriptions

- Magnetic database description
- Grids
- Maps

Magnetic Database:

Abbreviations used in the GDB files for both North and South blocks listed below:

Channel	Units	Description
X	m	UTM Easting - WGS84 Zone 8 North
Y	m	UTM Northing - WGS84 Zone 8 North
Galt	m	GPS height - WGS84 Zone 8 North
Lalt	m	Laser Altimeter readings
DTM	m	Digital Terrain Model
GPStime	Hours:min:secs	GPS time (UTC)
basemag	nT	Base station diurnal data
Mag	nT	Total Magnetic Intensity

Grids: WGS84 Datum, Zone 8N

File Name	Description
South_Block_TMI.grd	South block total magnetic intensity leveled
South_Block_CVG.grd	South block calculated vertical gradient
South_Block_DTM.grd	South block digital terrain model
North_Block_TMI.grd	North block total magnetic intensity

Maps: WGS84 Datum, Zone 8N

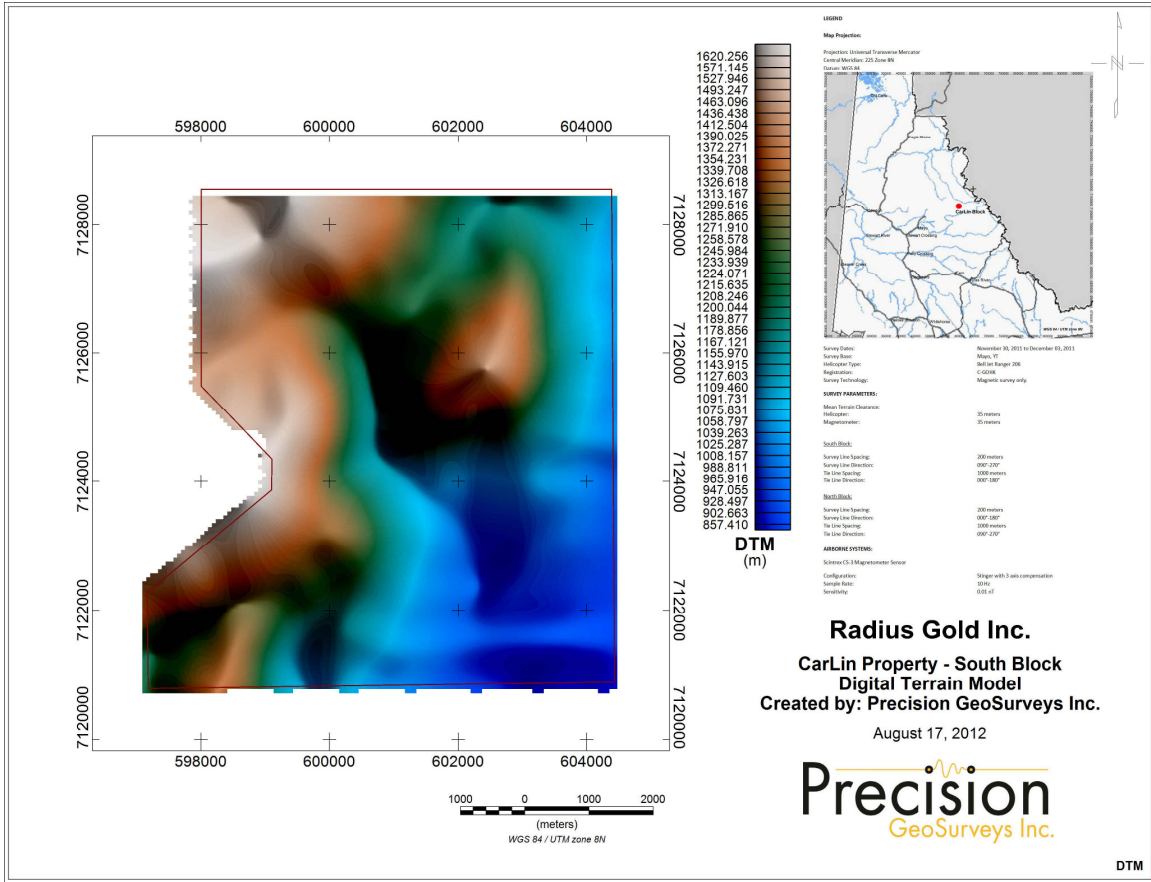
File Name	Description
South_Block_DTM.pdf	South block digital terrain model
South_Block_FL.pdf	South block flight lines flown
South_Block_TMI.pdf	South block total magnetic intensity leveled
South_Block_TMIwFL.pdf	South block total magnetic intensity with flight lines flown
South_Block_CVG. pdf	South block calculated vertical gradient
North_Block_FlightLines.pdf	North block flight lines flown
North_Block_TMI. pdf	North block total magnetic intensity
North_Block_TMIwFL. pdf	North block total magnetic intensity with flight lines flown

Appendix C

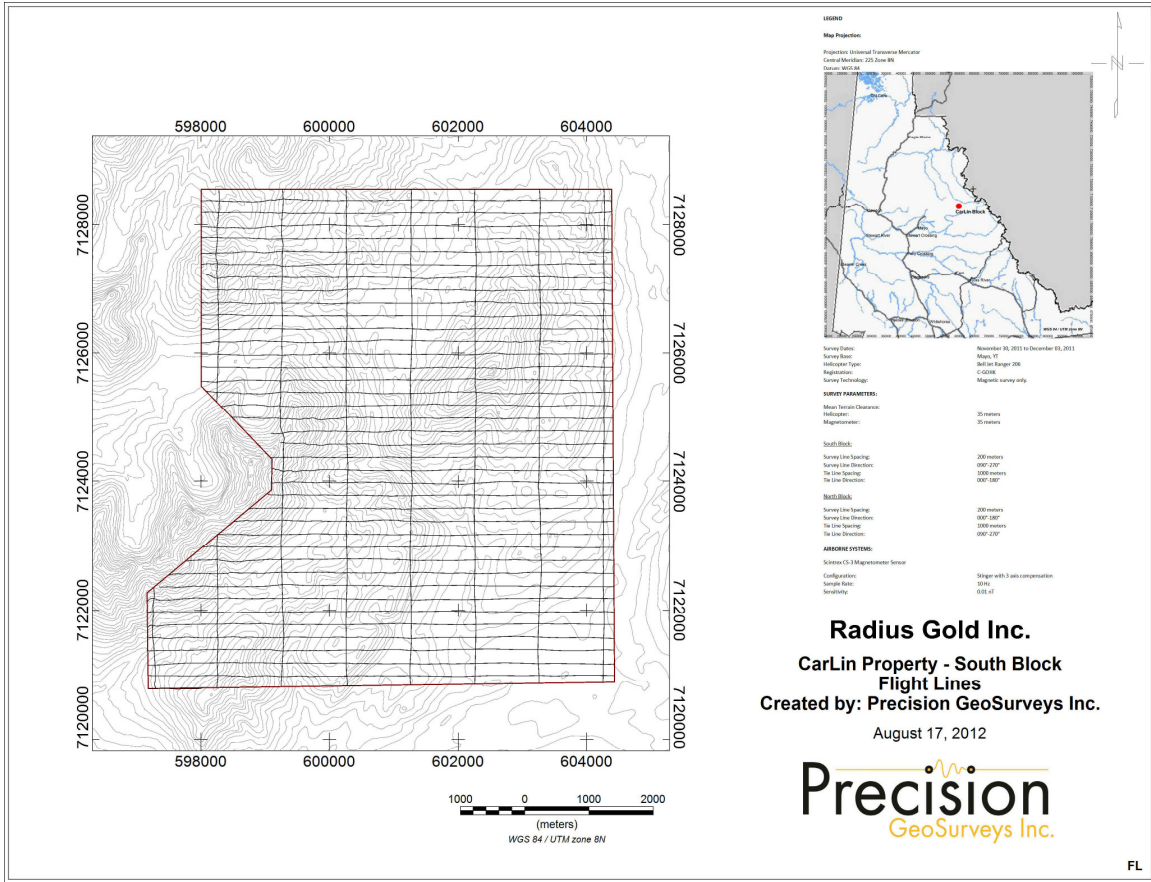
South Block Maps

Magnetic Maps (colour image with elevation contour lines):

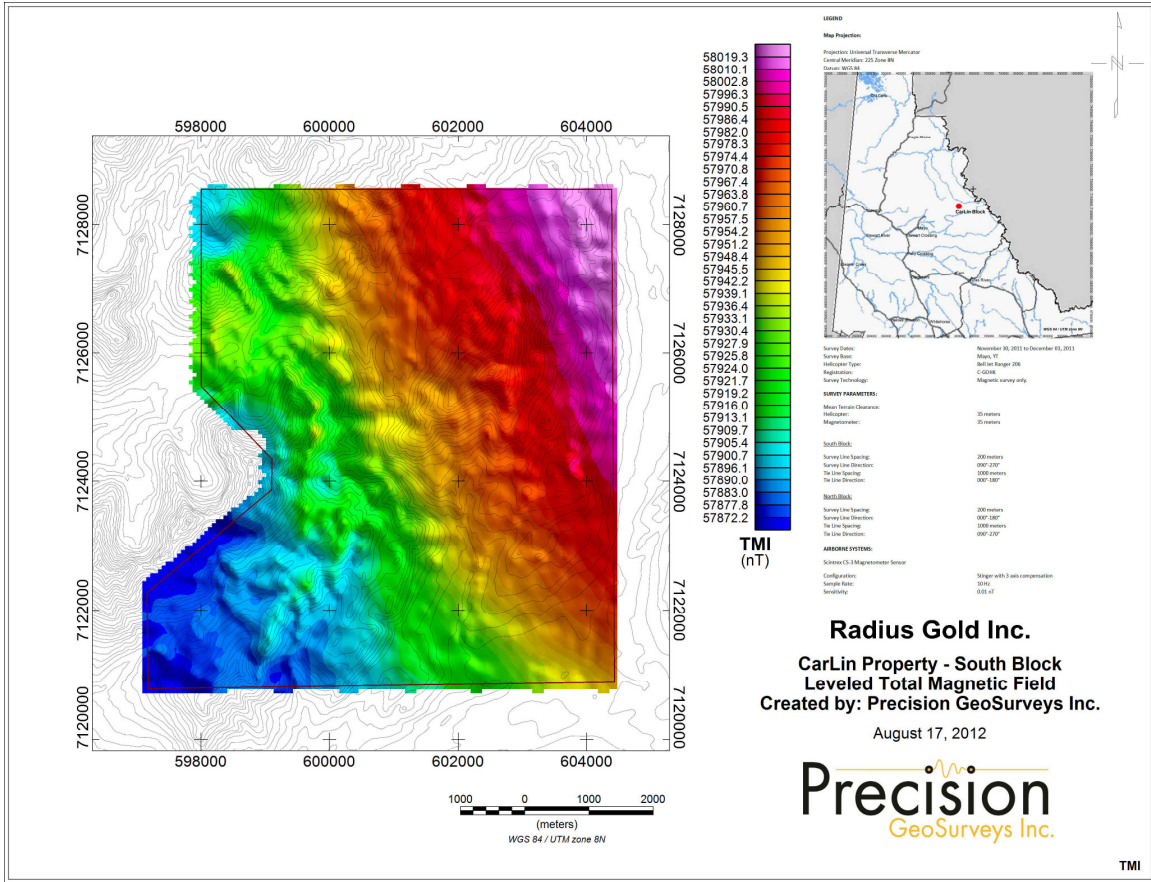
- Digital Terrain Model (DTM)
- Flight line map (FL)
- Leveled Total Magnetic Intensity (TMI)
- Leveled Total Magnetic Intensity (TMIwFL) with flight lines
- Calculated Vertical Gradient (CVG)



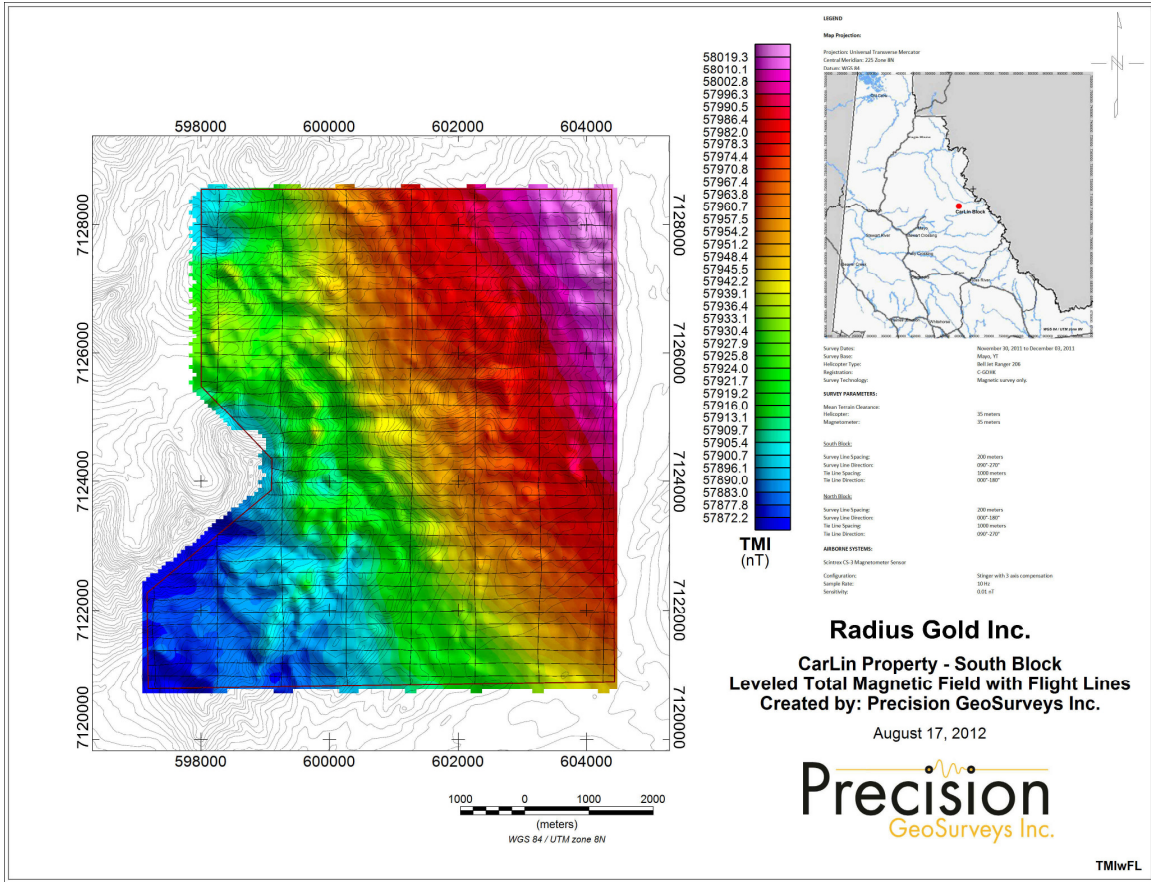
Map 1: South Block digital terrain model.



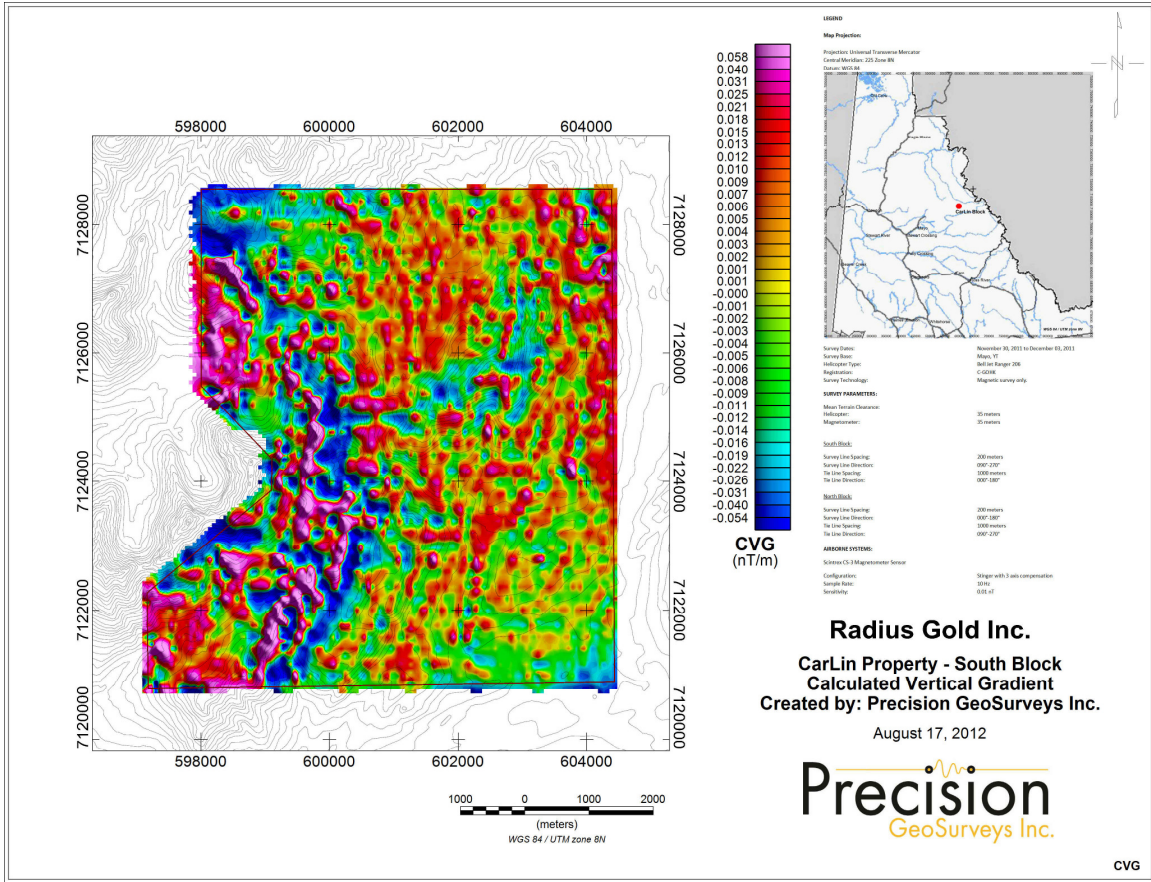
Map 2: South Block flight path.



Map 3: South Block leveled total magnetic intensity.



Map 4: South Block leveled total magnetic intensity with plotted flight lines.



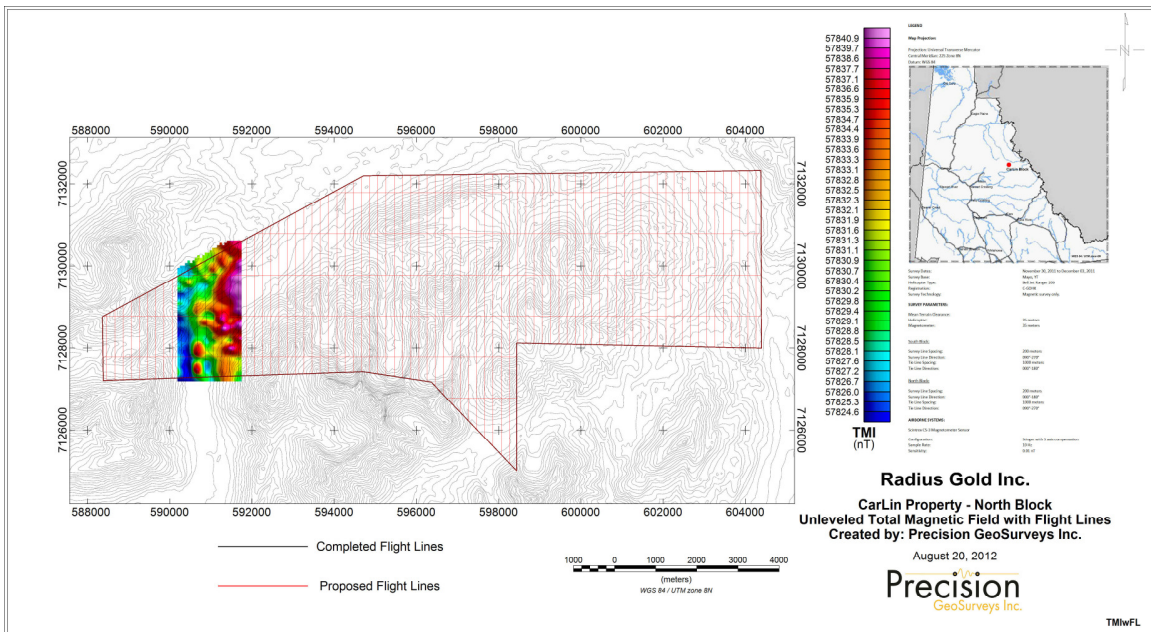
Map 5: South Block calculated vertical gradient.

Appendix D

North Block Maps

Magnetic Maps (colour image with elevation contour lines):

- Flight line map (FL)
- Unleveled Total Magnetic Intensity (TMI)
- Unleveled Total Magnetic Intensity (TMIwFL) with flight lines



Map 8: North Block unleveled total magnetic intensity with plotted flight lines.