

2014 Geological, Geophysical, and Geochemical Report

for the

King Solomon Dome Property

Volume 1 – Report

Whitehorse Mining District, Yukon Territory

Map Sheet 105J 15 & 16

635350mE, 6961690mN

NAD 83 – Zone 7

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January 13, 2015

Summary

The King Solomon's Dome Property (KSD) was the focus of a geochemical, geophysical, and rotary air blast (RAB) drilling program by Centerra Gold Inc. ("Centerra") during the early fall of 2014. The program was focused on gold-in-soil anomalies previously defined on the southern end of the property, the King, Prince, and King SE zones respectively, with a purpose of defining the potential for economic gold mineralization in the area and targets for diamond drilling if warranted.

The property was assembled by Pacific Ridge Exploration Ltd., ("Pacific Ridge") by optioning the Crown Jewel, King, Prince and North Prince claim groups, which together form the King Solomon Property, from Shawn Ryan and Wildwood Exploration Inc. under the terms of an option-to-acquire agreement dated May 8, 2013 and by entering into a second option agreement with 39242 Yukon Inc., dated June 24, 2013, for the Sophie claims (the "Sophie Property") which adjoins the southern boundary of the King Solomon Property.. Pacific Ridge has the right to earn 100% interests in the King Solomon and Sophie properties by making cash payments and issuing common shares in Pacific Ridge to the vendors and by incurring specified costs conducting exploration programs on the properties. On September 11, 2014, Pacific Ridge entered into an option-to-joint venture agreement with Centerra whereby Centerra can earn a 70% interest in the King Solomon and Sophie properties, together referred to as the King Solomon Dome Property (the "Property") by making staged cash payments and incurring specified costs conducting exploration programs on the Property. The King Solomon Dome Property comprises 372 claims, covering an area of approximately 8,000 hectares.

The Property is located 24 km southeast of Dawson City and approximately 500 km northwest of Whitehorse, Yukon, in the Dawson Mining District, NTS 115O/15 and centered UTM coordinates 599000E, 7083000N, NAD 83, Zone 7. The Property is road accessible from the Hunker Creek Road, approximately 44 km from Dawson City. The topographic highlands known as King Solomon Dome, lying within the un-glaciated Klondike Plateau is the highest of the elevation 'domes' in the Klondike Gold District.

The area has seen significant historic hard rock exploration dating back to the discovery of gold in 1896. A number of quartz veins with gold mineralization were prospected in the area of King Solomon Dome and the Hunker Summit in the early 1900's. From the 1950's through to 2000, a number of companies including YCGC, Orekon, Cominco, Dawson Eldorado, Hughes Lang and United Keno Hill Mines carried out exploration programs in the general area of the Property that included prospecting, geological mapping, geochemical and geophysical surveys, trenching, and minor drilling. Much of this work was focused around the Sheba occurrence (Minfile 115O 068) near Hunker Summit.

Geologically, the property lies within the Yukon-Tanana Terrain (YTT). Within the project area the YTT is dominated by three distinct metamorphic assemblages, comprising metamorphosed

carbonaceous clastic sedimentary rocks of the Late Devonian to Early Mississippian Snowcap Assemblage, metamorphosed mafic and ultramafic volcanics and related intrusive rocks of the Late Paleozoic Slide Mountain Assemblage, and felsic-mafic meta-volcanics and intrusives of the Middle to Late Permian Klondike Assemblage.

The 2014 exploration program on the KSD Property focused on the southern portion of the King Solomon claim group, with the bulk of work being completed from September 7th to November 1st, 2014. The key components of the program consisted of the collection of 606 grid soil samples, a 96.6 line-km ground magnetic survey, the completion of 12 high-resolution induced polarization survey lines, and 918.97 m of shallow RAB drilling in 17 holes that tested two well-defined soil anomalies, the King and Prince Zones. Centerra contracted Ground Truth Exploration from Dawson City, Yukon to perform most of the field work on the property using techniques and equipment they have developed to provide cost-effective evaluation of the target area(s) with minimal environmental impact.

Assays from the RAB drilling show that the King Zone is remarkably anomalous with respect to gold; only 8 drill-hole samples assayed below detection limit. However, no consistent zones of gold mineralization with economic grades (>1 g/t) and thicknesses were encountered. Only seven of the samples assayed greater than 1 g/t gold, with the best intercept being 7.68 g/t over 1.52 meter.

Overall, the area appears to consist of a complexly folded and faulted sequence of chloritic schist and quartz-sericite schist of the Permian-age package of metamorphosed mafic and felsic volcanic rocks belong to the Klondike Schist. These units overlie, and are locally in fault contact with, older meta-sedimentary units of the Snowcap Assemblage. The Klondike Schist units, particularly the quartz-sericite schist, appear to be locally enriched in gold to concentrations ranging between 50 and 500 ppb Au, and this mineralization is interpreted to be coincident and probably syngeneic with volcanogenic massive sulphide mineralization previously recognized within the Klondike Schist. Based on the results of the RAB drilling along the King Zone soil anomaly, the gold-enriched quartz-sericite schist appears to have a substantial strike length, but the grade of the mineralization has been found to be sub economic, based on current gold prices. Orogenic-type, boudinaged quartz veins also developed within the Klondike Schist rock package during Jurassic deformation. Though locally containing visible, high-grade gold mineralization, the veins are typically thin and discontinuous along strike and to depth.

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Introduction

Location and Access

The King Solomon Project is located in the Dawson Mining District, NTS 1150/15 and centred at UTM 599000E, 7083000N, NAD 83, Zone 7, approximately 24 km southeast of Dawson City and approximately 500 km northwest of Whitehorse, Yukon.

The Project is road-accessible from Dawson and can be reached by travelling for 11 km along the paved Klondike Highway to the Hunker Road turn-off and then along the gravel Hunker Creek road for approximately 35km to the southwest side of King Solomon's Dome. Additionally, the project can also be accessed via the Bonanza Creek Road; however, this route is typically not as well maintained as the Hunker Creek route.

The main zones of interest on the Project, the King and Prince Zones are on the southern extremity of the King Solomon Property, within 1 km of the Hunker Creek Road. While topographically lower, the northern and central parts of the King Solomon Property are accessible from the Hunker Creek road and the Gold Bottom Creek access road.

The Sophie portion of the property is accessible from the Hunker, Quartz Creek and Sulphur Creek roads. The major valleys (Hunker Creek, Quartz Creek, Sulphur Creek) have summer maintained graded roads linking with the Klondike Highway. Access roads to the upper reaches of Gold Bottom, Sulphur and Quartz Creeks are mostly maintained by placer miners, while many ridges are traversed by four wheel drive trails.

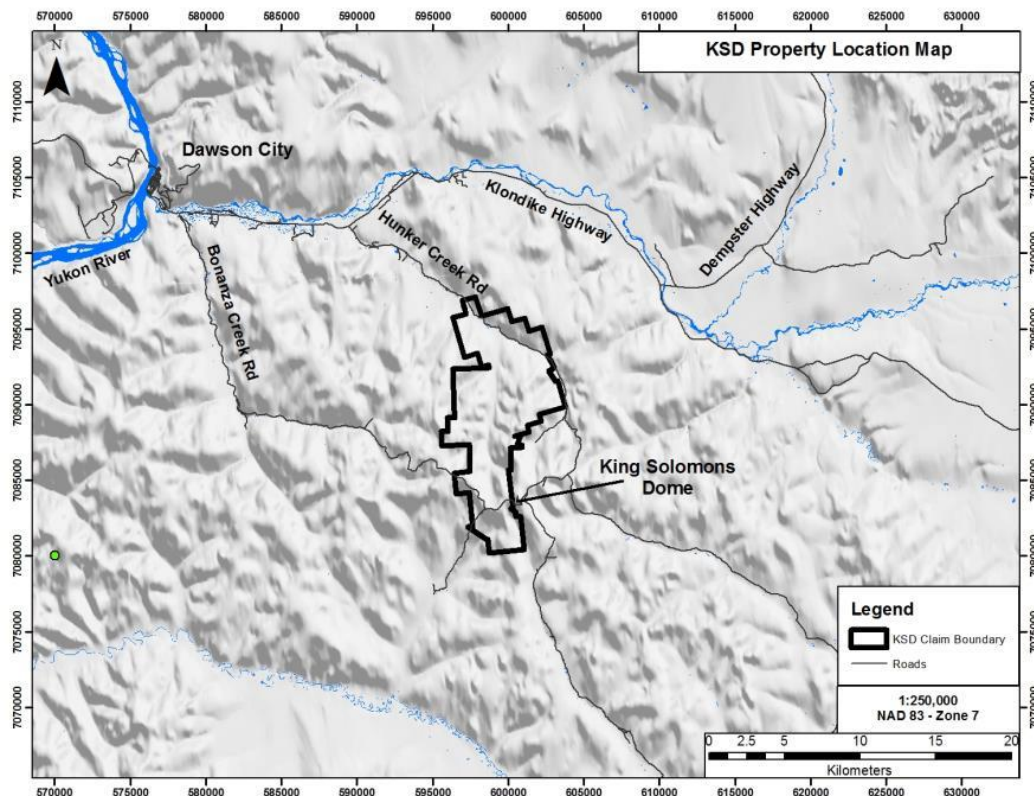


Figure 1: KSD Property Location Map

Claims

The King Solomon property consists of 372 un-surveyed, two-post claims staked in accordance with the Yukon Quartz Mining Act, covering an area of approximately 7,500 ha. The Property is located in the Dawson Mining District on NTS sheets 115O/14 and 15. Registered owners and expiry dates are shown in Table 1 below and a full listing of claims is included in Appendix 1.

The King Solomon Project was acquired by Pacific Ridge Exploration Ltd., under the terms of an option-to-earn agreement, from Shawn Ryan and Wildwood Exploration Inc. dated May 8, 2013 (Crown Jewel, King, Prince and N. Prince claims – “King Solomon Property”) and a second option agreement from 39242 Yukon Inc. dated June 24, 2013 (Sophie claims – “Sophie Property”, collectively the “Properties”), giving Pacific Ridge the right to earn a 100% interest in the Properties by making payments and issuing shares to the vendors and by completing specified exploration work.

On September 11, 2014, Pacific Ridge entered into an agreement with Centerra Gold Inc. (“Centerra”) whereby Centerra can earn a 70% interest in the Properties by making staged cash payments and completing specified exploration work. The Properties include 372 claims, covering an area of approximately 8,000 ha.

Table 1: Claim List

Grant Numbers	Name	Number	Owner	Expiry
YC23516-23531	Crown Jewel	1-16	Shawn Ryan - 100%	23-Feb-2017
YC34425-34442	Crown Jewel	17-34	Shawn Ryan - 100%	23-Feb-2017
YC34643-34650	Crown Jewel	35-42	Shawn Ryan - 100%	23-Feb-2017
YC35000-35057	Crown Jewel	43-100	Shawn Ryan - 100%	23-Feb-2017
YC35674-35705	Crown Jewel	101-132	Shawn Ryan - 100%	23-Feb-2017
YC35706-35709	Crown Jewel	141-144	Shawn Ryan - 100%	23-Feb-2017
YC35710-35731	Crown Jewel	151-172	Shawn Ryan - 100%	23-Feb-2017
YC35756-35763	Crown Jewel	133-140	Shawn Ryan - 100%	23-Feb-2017
YC35764-35769	Crown Jewel	145-150	Shawn Ryan - 100%	23-Feb-2017
YC19934-19945	King	1-12	Shawn Ryan - 100%	23-Feb-2017
YC19954-19965	King	21-32	Shawn Ryan - 100%	23-Feb-2017
YC20693-20702	King	33-42	Shawn Ryan - 100%	23-Feb-2017
YC44350-44357	King	13-20	Shawn Ryan - 100%	23-Feb-2017
YC86597-86600	King	43-46	Shawn Ryan - 100%	23-Feb-2017
YC86748-86755	King	47-54	Shawn Ryan - 100%	23-Feb-2017
YC44334-44349	N. Prince	1-16	Shawn Ryan - 100%	23-Feb-2017
YC20647-20692	Prince	1-46	Shawn Ryan - 100%	23-Feb-2017
YC21127-21134	Prince	47-54	Shawn Ryan - 100%	23-Feb-2017
YC34443-34463	Prince	61-81	Shawn Ryan - 100%	23-Feb-2017
YC36113-36123	Prince	82-92	Shawn Ryan - 100%	23-Feb-2017
YC61040-61043	Prince	93-96	Shawn Ryan - 100%	23-Feb-2017
YD11751-11772	Sophie	1-22	39242 Yukon Inc. - 100%	24-Dec-2017
YE65081-65089	Sophie	23-31	39242 Yukon Inc. - 100%	11-Oct-2015
YE79476-79482	Sophie	32-39	39242 Yukon Inc. - 100%	11-Oct-2015
YE79484-79485	Sophie	40-41	39242 Yukon Inc. - 100%	11-Oct-2015

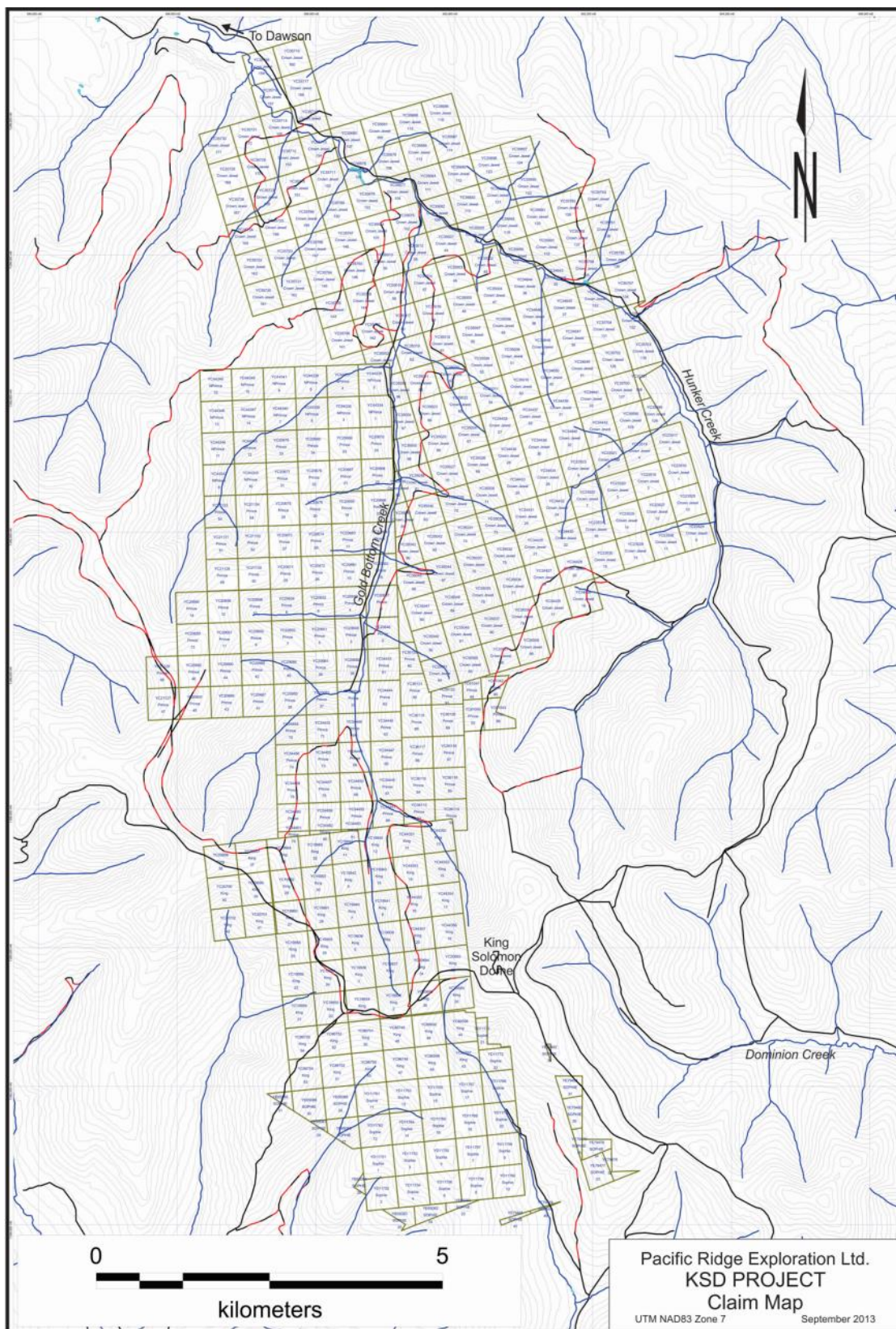


Figure 2: KSD Property claim map.

History and Previous Work

The area has seen significant historic hard rock exploration dating back to the discovery of gold in 1896. A number of quartz veins with gold mineralization were prospected in the area of King Solomon Dome and the Hunker Summit in the early 1900's.

During the 1950's through to 2000, a number of companies including YCGC, Orekon, Cominco, Dawson Eldorado, Hughes Lang and United Keno Hill Mines carried out exploration programs that included prospecting, geological mapping, geochemical and geophysical surveys, trenching, and minor drilling. Much of this work was focused around the Sheba occurrence (Minfile 115O 068) near the Hunker Summit.

The following section, providing details of the Property history from 1950, is quoted from Pautler (2010):

- 1952-56: Rehabilitation and sampling of old workings and drilling of 64m in 2 holes in 1952 and 437m in 6 holes in 1956 on the Bum prospect by Yukon Consolidated Gold Corporation Ltd. A selected specimen from the workings reportedly assayed 18% Cu and 617.1 g/t Ag (*Deklerk, 2008*). No record of results could be located.

- 1967-68: Extensive bulldozer trenching on Boxcar prospect by V. Scheck and bulldozer trenching and ground sluicing on the Bum prospect by B. Bratsburg (*Deklerk, 2008*).

- 1981: Grid soil sampling by Cominco Ltd. outlining low, with scattered high, gold values, a high arsenic horizon within the schist and a copper-lead-zinc anomaly in King area (*Medford and Jackisch, 1981*).

- 1983: Mapping and geochemical sampling by Dawson Eldorado Gold Explorations Ltd. on Boxcar prospect (*Mortensen, 1984*).

- 1984: A fence of percussion drill holes (457.2m) by United Keno Hill Mines Ltd. and Falconbridge Ltd. on the Bum prospect with no significant gold values intersected in drilling (*INAC, 1987*).

- 1988-91: Soil grid and rock geochemical sampling by Arbor Resources Inc. around Boxcar prospect outlining maximum soil values of 198 ppb Au, 14.2 ppm Ag, 400 ppm As and 535 ppm Pb, with trace of Boxcar fault extending 100m north and 1100m south as defined by lead in soil anomalies, and 765 ppb Au in rock from siliceous schist (*Van Angeren, 1988 and Tomlinson, 1991 and 1992*).

- 1992: Trenching by Hastings Management Corp. on Boxcar prospect exposing siliceous breccia zone (*Van Angeren, 1993*).

- 1994: Soil line by Kennecott Ltd. outlining anomalous lead and zinc in the King area (*Cranswick, and Doyle, 1994*).

- 1996-99: Regional silt program in 1996 by Barramundi returned several anomalous gold results in the headwaters of Quartz and Sulphur Creeks with the best at the head of Quartz Creek returning 13 ppb Au (*Stevens, 1997*). An airborne magnetic-VLF electromagnetic geophysical survey in 1999 delineated an 8 km east-northeast trending lineament, which also transects the gold bearing Sheba and Mitchell quartz veins that may represent a fault associated with gold mineralization (*Sears, 1999*).
- 2000: Staked by Shawn Ryan, with additional ground added in 2001, 2004-7 and 2009. Program consisted of 12 silt samples and 62 grid soil samples, with no gold analyzed in the soils, on the King claims (*Ryan, 2001*). The grid soil geochemistry outlined two anomalies, anomalous zinc, lead and copper values covering a 300m by 500m area (north-western extension of Cominco's "E" grid) and a lead, zinc, copper and arsenic anomaly (main Cominco anomaly).
- 2001: Completion of 41.9 line km ground magnetic and 39 line km gradient magnetic surveys by Shawn Ryan on the King claims outlining a magnetic high in the eastern property area flanked on the west by a subtle magnetic anomaly associated with a lead-zinc-copper soil anomaly, and a magnetic low coincident with a zinc-arsenic soil anomaly in the southern grid area (*Ryan, 2002b*). A 7.65 line km ground magnetic and gradient magnetic survey was conducted over the Boxcar showing delineating a 300m by 90m east-northeast trending magnetic high anomaly and a 400m by 100m north trending magnetic high anomaly extending from the showing (*Ryan, 2002a*).
- 2002: Completion of 31 line km ground magnetic and 30 line km VLF electromagnetic surveys and a 408 sample soil survey by Shawn Ryan on the Prince claims outlining a magnetic high extending 2 km to the northeast of the Boxcar prospect with associated lead-zinc-copper in soil values (*Ryan, 2003*).
- 2004-6 Soil programs undertaken with an approximate 500 sample soil survey by Shawn Ryan on the southeast Prince claims outlining spotty gold values to 153.7 ppb Au below a magnetic high suggestive of ultramafic rocks in the southern part of the grid (similar environment to White Gold), and a base metal soil anomaly associated with a moderate magnetic signature suggestive of felsic schists (possible felsic meta-volcanic rocks favourable to host volcanogenic massive sulphide type mineralization) (*Ryan, 2006*).
- 2007 A program consisting of a 1307 sample soil survey, prospecting, mapping and rock sampling (65 samples) was completed by International Gold Resources Inc. delineating a 1.3 km by 150m gold in soil anomaly on the King claims within an arsenic anomaly with a favourable magnetic signature (*Doherty, 2008*).
- 2009-12 International Gold Resources collected an additional 1,286 soil samples and prepared a technical report (Pautler, 2010). An additional 212 soil samples were

collected in 2011 and 1,105 samples in 2012, as described more fully in the section “KSD South Target – Recent Exploration”, below.

2013 Ground Truth Exploration collected 481 samples, extending the previous KSD soil grid to the south to cover the northern half of the Sophie claims. A 20 line IP/Resistivity survey was also completed, with 6 lines over the Prince zone and 14 over the King and King SE zones. Finally, a total of 124 sites were sampled with a GeoProbe Basal soil sampling tool along 10 lines over the King Zone and the King SE Zone

Geology

Regional Geology

The project is located within the Yukon-Tanana terrain (“YT”) of the western Yukon and central Alaska. The YT is an accreted terrain of poly-metamorphosed and poly-deformed meta-sedimentary, meta-volcanic, and meta-plutonic rocks of Upper Palaeozoic and older ages bound by the Tintina fault to the northeast and Denali fault to the south-west (Figure 3).

Overall, it records a prolonged and complex history of tectonic and magmatic processes along the north-western margin of Laurentia between middle Palaeozoic and Early Tertiary time. It has an equally complex metallogenic evolution with at least 10 pulses of mineralization of various styles currently recognized (Nelson et al 2013, Allan et al 2013, Mortensen and Allan 2012).

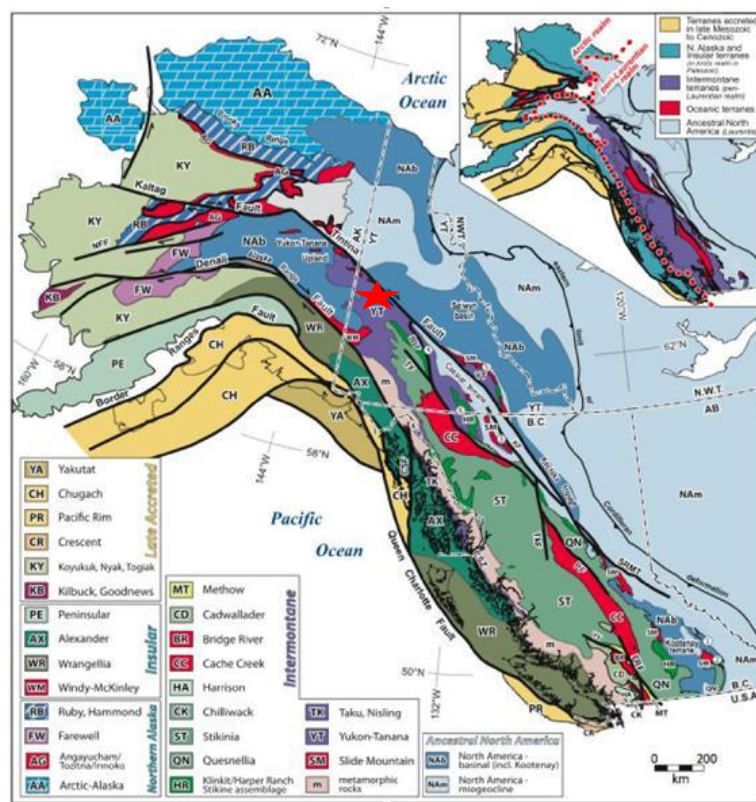


Figure 3: Terrain map of the northern Cordillera (modified front Nelson et al 2013). Approximate location of the KSD Property is referenced by the red star.

The majority of the Klondike Gold Fields, including the area of the Property, is underlain by Klondike Schist, consisting mafic and felsic meta-volcanic rocks with a of green schist facies metamorphic grade, which are variably pyritic muscovite and quartz-mica schists and chlorite (+/- actinolite, epidote & Fe carbonate) schist respectively. This assemblage also includes intrusive equivalents of the volcanic rocks and local non-carbonaceous silici-clastic rocks.

Sheet-like bodies of Carboniferous ultramafic rocks occur primarily to the northeast of the properties, and are also evident throughout the Klondike Gold Fields. South of the Indian River, and in the White Gold District, narrow bodies of mid to late Palaeozoic ultramafic rocks are exposed which are thought to demark thrust fault planes

The above lithologies are intruded by plugs and stocks of Cretaceous aged quartz monzonite and granodiorite and unconformably overlain by massive andesite flows of the Late Cretaceous Carmacks Group, locally with Early Cretaceous coarse clastic sedimentary rocks at the base of the sequence. Eocene feldspar $\pm$ quartz porphyry dykes intrude the above. Minor Quaternary basalt overlies, and related dykes and sills intrude, the above units.

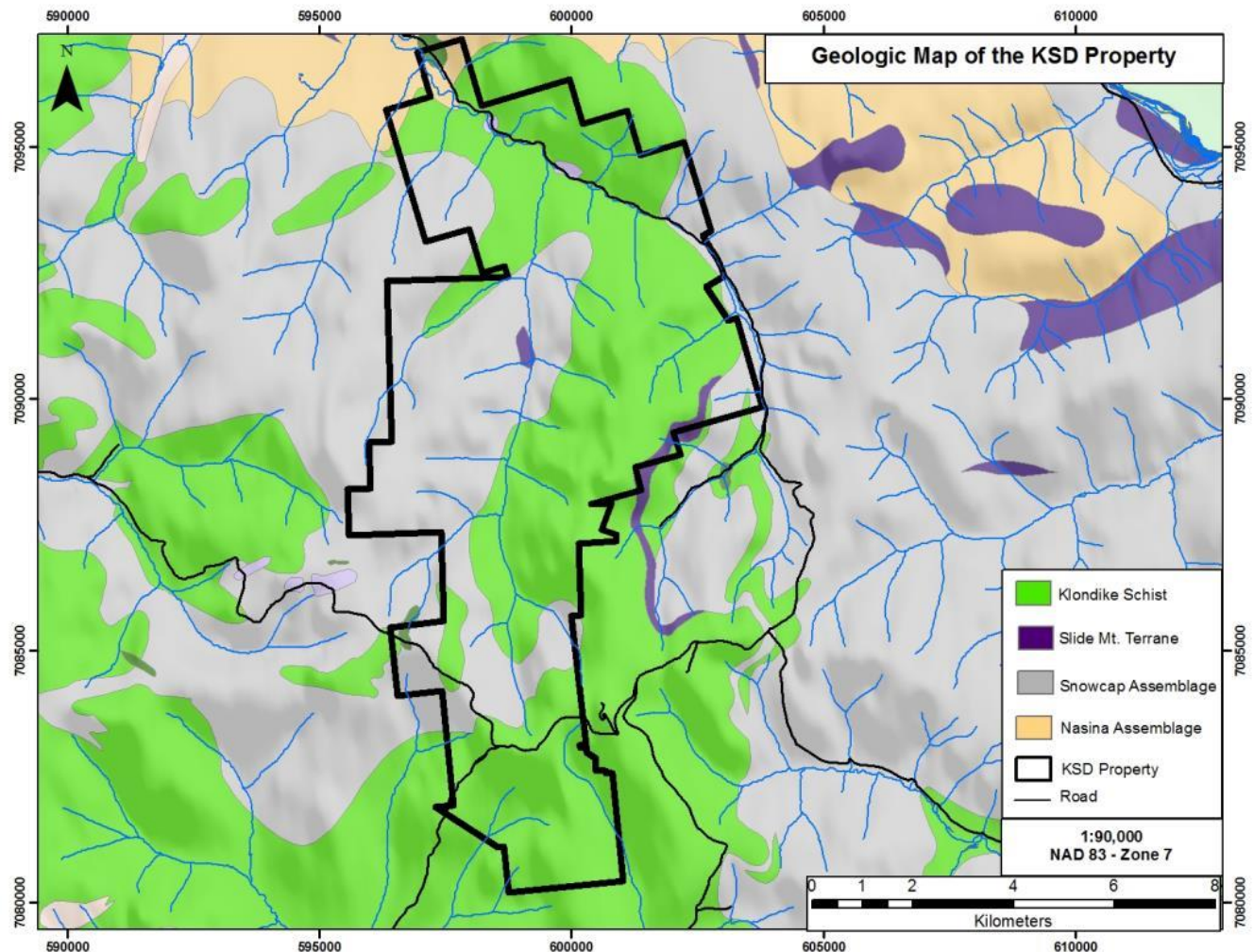


Figure 4: Geologic map of the KSD Property

Property Geology

Within the project area the YT is dominated by three distinct metamorphic rock assemblages, including carbonaceous meta-clastic rocks of the Late Devonian to Early Mississippian age, the Snowcap assemblage, consisting of greenstone and serpentinite of the late Paleozoic Slide Mountain assemblage, and, felsic-mafic meta-volcanics and meta-intrusives of the Middle to Late Permian Klondike assemblage. Associated meta-intrusive rocks include quartz-feldspar augen schist and quartz monzonite orthogneiss. Outcrop is rare on the property, comprising less than 2% of the total surface area, and generally confined to rounded ridge tops and road exposures.

The southern portion of the property including the King, King SE, and Prince zones are underlain by the Klondike schist. Within the claim area, the Klondike Schist consists primarily of chlorite-muscovite-quartz-feldspar schist which is locally differentiated into 'felsic' and 'mafic' units.

The 'felsic schist' is a tan to light green quartz-feldspar phyllonite derived from felsic volcanic rock. It appears more altered, with the alteration comprising of limonite and sericite/muscovite/±carbonate, and it is located primarily within the southern KSD area, both within the main King Zone anomaly and within the northern Au-As soil anomaly in the headwaters of Soap Creek; a tributary of Gold Bottom Creek.

The mafic schist derived from intermediate to mafic volcanic and volcanoclastic rocks is medium to dark green colored, chlorite schist and phyllonite. Both commonly include diagenetic cubic pyrite which is rusty or limonitic where exposed throughout much of the area (Pautler, 2010).

Based on regional mapping the Klondike schist appears to overlie meta-sedimentary units of the Snowcap assemblage. Rocks of the Snowcap assemblage have not been mapped in outcrop on the southern portion of the KSD property where 2014 exploration efforts subject of this report were focused. However, RAB drilling in the Prince Zone area did encounter a graphitic quartzite unit in fault contact with the Klondike schist.

Structure

A pervasive foliation is the most prominent structural feature observed on the property. It consists of an early metamorphic foliation (S1) that was folded and reactivated by a second phase of ductile deformation (F2) during peak metamorphism. The F2 folds, where observed, are generally intrafolial and isoclinal, with a well-developed fold-axial-surface foliation (S2) defined by the parallel orientation of metamorphic micas. The composite foliation development was accompanied by metamorphic segregation of quartz and feldspar from micas (mm- to cm-scale); so that rocks have a finely laminated appearance.

The S2 foliations are reactivated to form a phacoidal, crenulated S3 fabric and small-scale F3 folds which are observed as a prominent crenulation lineation on composite foliation surfaces. These features are further accentuated by a lineation defined by the intersection of the S3 with the foliation.

This intersection (L3) forms F3 fold hinges, striking between 240 - 250° and plunging approximately 30° to the southwest. The Klondike Schist is later cut by D4 reverse faults and related kink folds. The folds and faults deform all previous structures, and form broad (km-scale) warps of the pervasive foliation. The most prominent features are zones of fault gouge (meter-scale) bordered by zones of steeply dipping sheared foliation. These zones are commonly accompanied by zones of F4 kinks/folds in the adjacent schist. Recent studies in the Klondike by MDRU suggest that these D4 kinks and folds and associated thrust structures are likely associated with the orogenic style gold mineralization in the area.

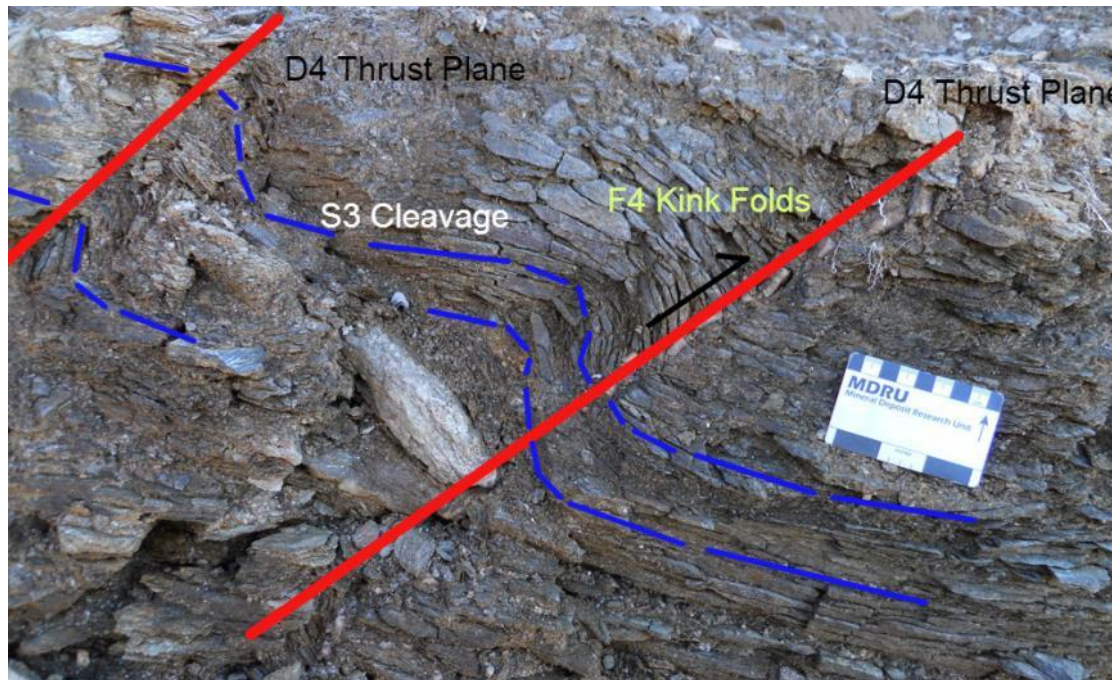


Figure 5: View of thrust features and deformation on the KSD property. Here the overall structural geometry of the region is apparent in outcrop scale. The phacoidal S3 cleavage overprints earlier S1 and S2 foliations, while D4 thrusts deform the ductile-brittle mafic schist, forming kink folds and spaced cleavage.

The only significant fault identified to date consists of an east-west fault in the northern Prince zone intersected during RAB drilling in the area. The fault is consistent with a distinct magnetic break and chargeability high based on Induced Polarization survey data carried out in the area. The postulated fault separates units of the Klondike schist to the south from a graphitic quartzite unit to the north (at depth). The dip and kinematic information for the fault is currently unknown.

Numerous other magnetic breaks are noted over the area that may indicate additional faults in the area; however, caution should be taken when making this interpretation as some of the magnetic breaks may represent lithologic breaks between the mafic and felsic units of the Klondike schist rather than fault/shear zones. This appears to be the case at the King Zone, where a northeast

trending magnetic break in the area appears to correspond to a change from mafic schist to the north to felsic schist to the south.

Distinct ‘breaks’ are also commonly noted in the resistivity profiles over the King and Prince zones, and these may represent D4 kink folds/faults. Based on RAB drilling at the King and Prince Zones, the breaks are generally associated with an increase in alteration, quartz, and sulfide content.

Gold Mineralization

There appear to be two styles of gold mineralization in the area. The first typically occurs within the felsic schist unit of the Klondike schist, at or near the contact with the chlorite schist, and is associated with strong quartz-sericite alteration and elevated Ag (up to 15 ppm), Cu (up to 973 ppm), Pb (up to 0.75%), and Zn (up to >1%). The current interpretation is that this style of mineralization is likely syngenetic and associated with Permian VMS style mineralization within the Klondike schist.

The second is associated with ‘orogenic’ style quartz veins and is typically associated with elevated levels of arsenic (up to 284 ppm). Orogenic veins are common in the area and locally contain coarse visible gold. This style of mineralization is best seen in trenches to the east of the King Zone along a ridge-line road. However, the veins are boudinaged and have limited depth and strike potential. Age dating on known veins in the area suggests they formed during Jurassic deformation with gold likely sourced from the enriched Klondike schist.

Additionally, anomalous gold (>25 ppb) does locally occur within both the mafic and felsic units of the Klondike schist, particularly at the King Zone, with no apparent alteration or geochemical association. This may indicate that the Klondike schist in these areas has an elevated gold background, and/or the gold was remobilized and re-distributed within the units during Permian and/or Jurassic age metamorphism.

2014 Exploration Program

The 2014 exploration program on the KSD property focused on the southern portion of the property near the King, King SE, and Prince Zones with the bulk of work completed from September 7th to November 1st, 2014.

The key components of the program include the collection of 606 additional grid soil samples, a 96.6 line-km ground magnetic survey, the placement of 12 additional high resolution IP/resistivity survey lines, and 918.97m of rotary air blast (RAB) drilling over 17 holes on the King and Prince zones.

Centerra contracted Ground Truth Exploration from Dawson City, Yukon to perform a bulk of the work using their techniques and equipment developed to provide cost-effective evaluation of the target area(s) with minimal environmental impact.

Geochemical Surveys – Soil Sampling

The additional 606 soil samples were collected to extend the previous KSD soil grid to the south covering the Sophie claims. Samples were collected at 50 m centers on lines spaced 100 m apart. The results of this survey were combined with previous soil sampling results to produce a soil grid for the entire southern end of the property.

Field technicians navigated to sample sites using handheld GPS units. A C-Horizon sample is collected using an Eijklcamp brand hand auger at a depth of between 20cm and 110cm. Where necessary, in rocky or frozen ground, a mattock is used to obtain the sample. Photos are taken of each sample site 5m from sample hole with auger inserted.

Typically 400 to 500 g of soil is placed in a pre-labeled bag. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape. A field duplicate sample is taken once for every 25 samples. The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A weather-proof handheld data recorder equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected, including sample identification number, soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information.

There are no distinct gold anomaly trends that are apparent in the new soil sampling data, however, there are isolated anomalous gold values near the southeastern and southwestern property margins; ranging from below detection limit to 505.9 ppb Au. Detailed assay results are in Appendix 2.

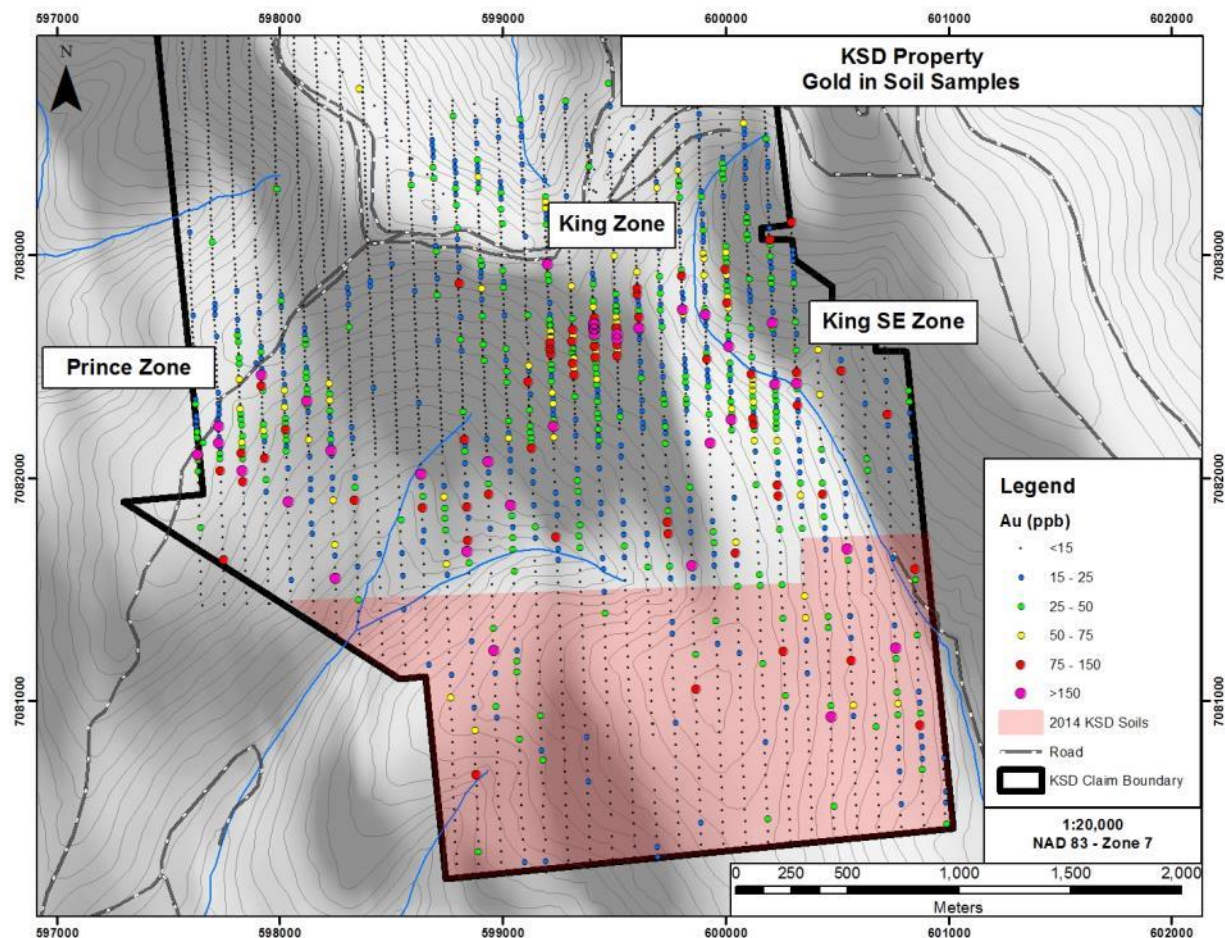


Figure 6: Southern portion of the KSD property showing gold in soils. Soils from the 2014 program are within the area highlighted in pink.

Geophysical Surveys – Ground Magnetics

A magnetic survey was completed on the Southern portion of the KDS and Sophie claims and included 93.6 km of readings at 50m centers on 100 m spaced lines, plus three tie lines, covering the entire southern KSD target area. Lines were laid out in a north-south direction, following the soil geochemical sample grid. The survey included one base magnetometer and two walk magnetometers. The GSM-19T proton magnetometers used in the survey have a 0.1 nT (nanotesla) sensitivity. The continuous magnetic data collected readings at the rate of 1 reading/second. Field data was downloaded on a nightly basis and checked for both quality and completeness and then the diurnal correction applied. The magnetic data was then processed for Total Magnetic Intensity and Vertical, Tilt, and Horizontal Derivatives. See Appendix 3 for the Ground Magnetic procedures and products.

Numerous magnetic breaks are highlighted by the survey, and these features appear to represent a combination of structural and lithological breaks across the property (Figure 5). A distinct E-W magnetic break observed at the Prince Zone appears to be a fault based on RAB drilling in the area, but it does not appear to be associated with gold mineralization in the area.

However, a northeast trending magnetic high in the King zone does appear to represent a lithological change from a more mafic chlorite schist unit to a more felsic/altered, quartz sericite schist unit. Other magnetic breaks are noted in the southern portion of the property but they have not been investigated because they don't appear to be associated with any significant gold in soil anomalies

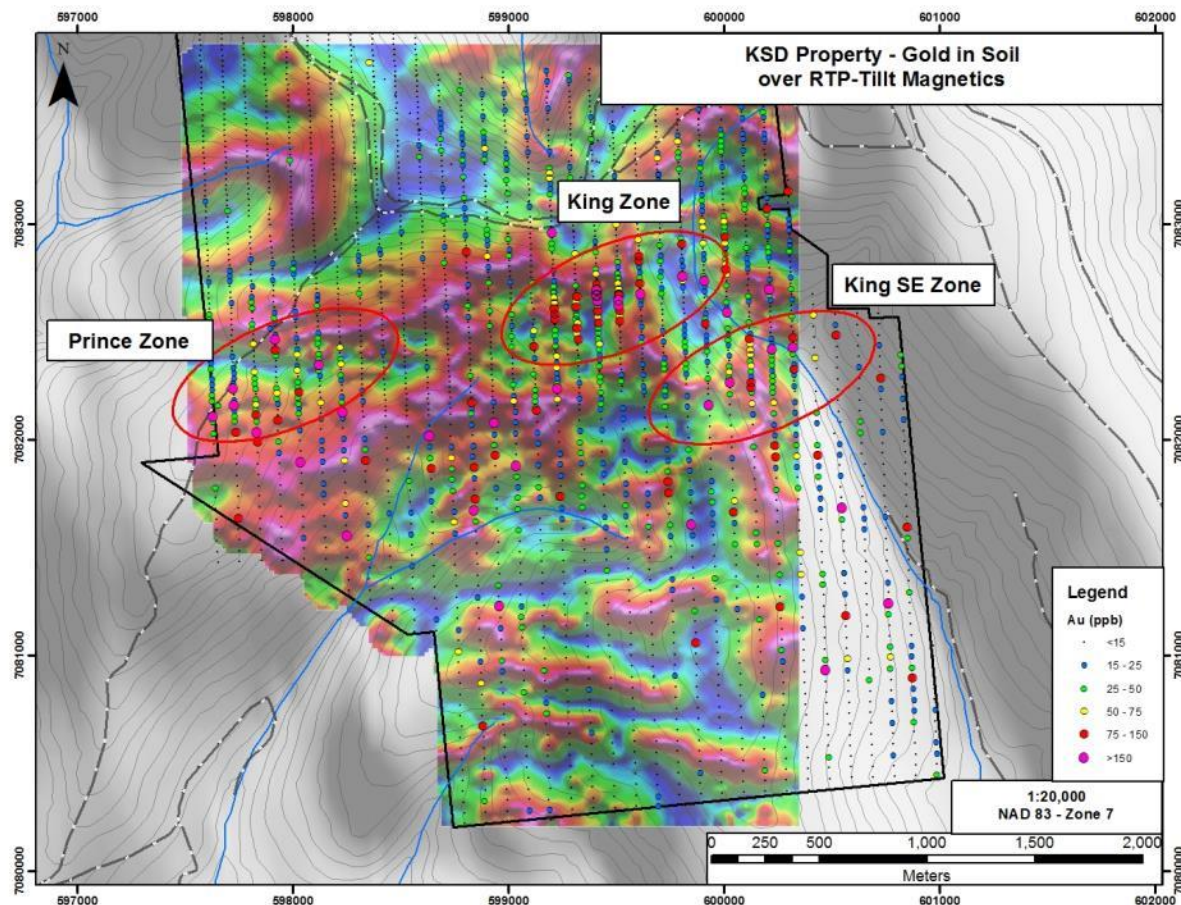


Figure 7: Reduced to pole, tilt derivative magnetic image of the southern portion of the KSD property with gold in soils.

Geophysical Surveys – IP/Resistivity

The IP program included 12 lines across the KSD South target area. Lines were laid out in a north-south direction, extending the 2013 IP program, plus two tie lines in order to allow 3-D modeling.

The survey was carried out using Ground Truth Exploration's high resolution IP/Resistivity system which involves a single array line 420m in length that includes 84 electrodes at a 5m electrode spacing. In addition, some of the 2014 survey lines consisted of a double array line 840m in length that included 168 electrodes at a 5m electrode spacing. The extended array provided greater surficial coverage and depth penetration. A summary of Ground Truth's IP/resistivity survey procedures and the 2014 sections are detailed in Appendix 4.

Overall, the Induced Polarization Survey aided greatly to the overall understanding and interpretation of the complex geology of the area and ultimately the targeting of the RAB holes. The resistivity data appears to outline the folding and changes in lithology seen during RAB drilling activities. The chargeability was, in general, less useful due to abundant disseminated pyrite contained within the schists. However, it does appear to highlight structural breaks, such as the large fault encountered in the northern Prince Zone.

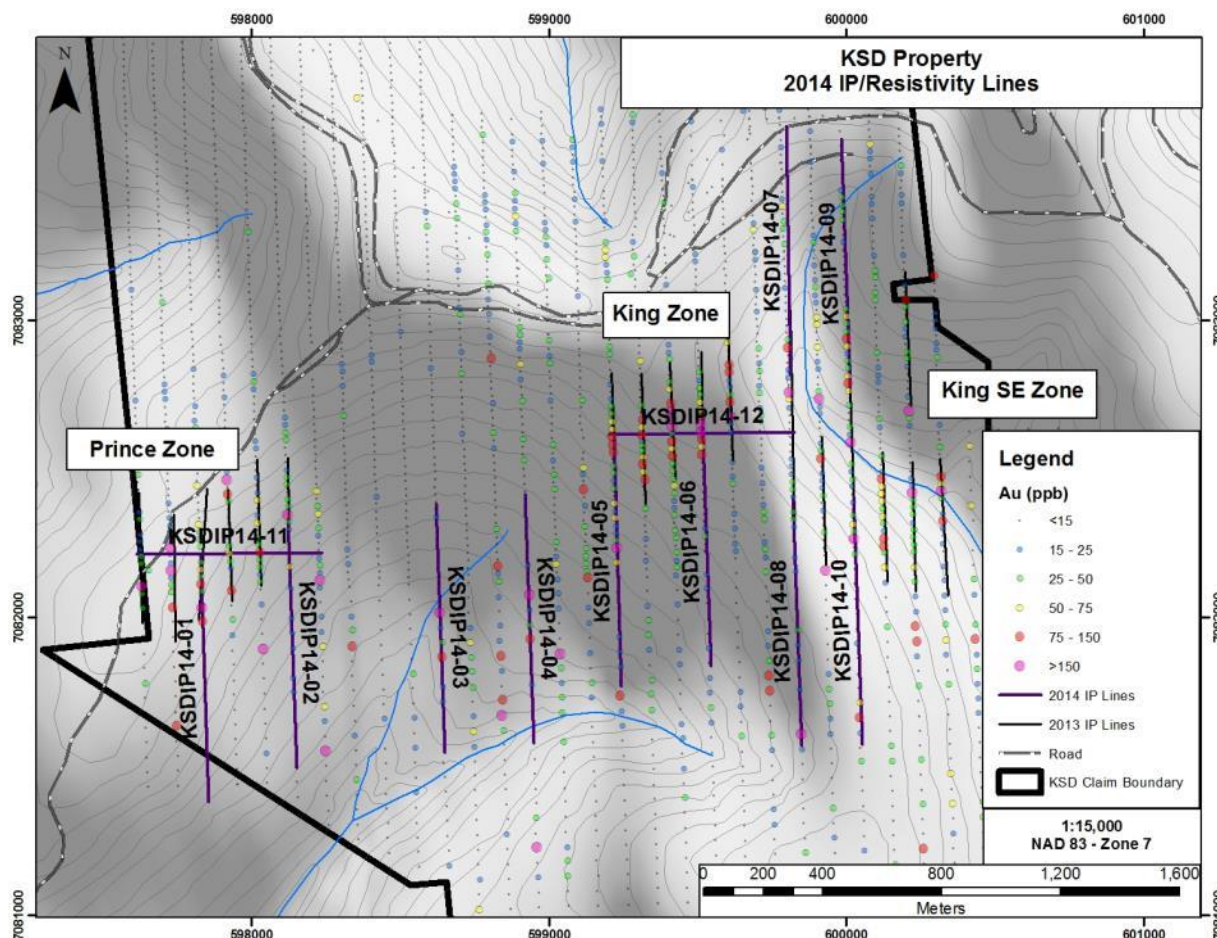


Figure 8: Plan map of 2014 IP/resistivity survey lines on the KSD property.

Drilling – Track Mounted RAB

Ground Truth's Rotary Air Blast drill is a remotely controlled tracked platform with an onboard air compressor, tilting mast and rotary drill head with very little environmental impact. The unit is powered by a 60hp Turbo charged Kubota diesel engine and is air and hydraulically operated. Each drill hole is cased from surface to bedrock. Once the casing is seated into bedrock then an open-hole hammer is used to complete the hole. Rock chips are collected through a cyclone every 1.5 m and a representative sample is collected, analyzed by field portable XRF and catalogued into chip trays by the onsite Geotech Technician. A 1/8 split of the sample,

approximately 2-2.5 kg in weight, is placed in an ore bag. Each sample location was surveyed by DGPS (see Appendix 5).



Figure 9: Ground Truth's track mounted RAB drill.

A sample ID Barcode was inserted into each bag and sealed with “Zip” tie with an external barcode Sample ID attached. One alternating standard or one blank, was inserted in every 20th sample with a duplicate sample inserted every 25th sample.

The samples were sent to Acme Labs in Vancouver. All samples were analyzed by Acme for using Acme's Group MA200, 0.25g analysis, a 45 element ICP package which involves a 4-acid digest with a mass spectrometer finish. Gold in rock samples was analyzed by Acme's FA430, 30g analysis, which involves a fire assay, with an AA finish. Acme is an ISO 9001:2008 accredited facility, certificate number FM 63007.

Quality control procedures were implemented at the laboratory, involving the regular insertion of blanks and standards and repeat analyses on the samples, with re-analyses being performed for one sample in each batch on the original sample prior to splitting.

In all, 918.97m was drilled in 17 holes. This includes 11 holes for 650.75m on the King Zone, and 6 holes for 268.22m on the Prince Zone (Table 2). The holes ranged from 32 to 71.63m

depth (54.05m average), and with deeper penetration limited by a fairly shallow water table in the area and freezing weather conditions.

Detailed RAB logs and assay results can be seen in Appendix 6.

Table 2: KSD Project RAB Collar Locations. UTM NAD 83 – Zone 7

Hole ID	Zone	UTM Easting	UTM Northing	Elevation (m)	Azimuth	Dip	Depth (m)
KSDRAB14-01	King	599482	7082668	1043.1	335	45	60.96
KSDRAB14-02	King	599482	7082669	1042.9	155	45	64.01
KSDRAB14-03	King	599394	7082742	1052.5	155	45	68.58
KSDRAB14-04	King	599482	7082675	1042.0	0	90	71.63
KSDRAB14-05	King	599328	7082638	1029.5	335	45	60.96
KSDRAB14-06	King	599346	7082600	1023.3	335	45	60.96
KSDRAB14-08	King	599427	7082658	1047.6	155	45	68.58
KSDRAB14-09	King	599427	7082657	1047.1	325	45	68.58
KSDRAB14-10	King	599517	7082714	1037.6	155	45	32.00
KSDRAB14-11	King	599519	7082712	1037.3	325	45	47.24
KSDRAB14-12	King	599602	7082743	1015	155	45	47.24
KSDRAB14-07	Prince	597735	7082322	976.9	0	45	51.82
KSDRAB14-13	Prince	597818	7082309	971.6	0	45	41.15
KSDRAB14-14	Prince	597737	7082224	978	0	60	45.72
KSDRAB14-15	Prince	597832	7082211	960.8	0	60	45.72
KSDRAB14-16	Prince	597831	7082040	945.4	0	60	45.72
KSDRAB14-17	Prince	597738	7082067	966.1	0	60	38.10

At the King Zone, the majority of the holes were drilled at a -45° angle oriented at a 155° or 335° azimuth (Figure 10). The drilling was designed to test a 300m x 100m zone of anomalous gold in soils and GeoProbe samples that appears to be associated with distinct folds/structures interpreted from the IP sections and geologic mapping in the area.

Geologically, the area consists of a folded sequence of chloritic schist and a strongly quartz sericite unit, defined as quartz sericite schist. Assays from the RAB drilling show that the King Zone is remarkable anomalous with respect to gold; only 8 samples assayed below detection limit. However, no consistent zones of mineralization with economic grades and thicknesses were encountered. Only seven of the samples assayed greater than 1 g/t gold with a maximum of 7.68 g/t over 1.52m. A summary of drill intercepts from the area are in Table 3 below:

Table 3: Summary of King Zone 2014 RAB drilling intercepts

Zone	Hole ID	From(m)	To(m)	Interval(m)	Au (g/t)
King	KSDRAB14-01	32	33.52	1.52	3.0
	KSDRAB14-02	13.7	19.81	6.1	0.14
	KSDRAB14-03	33.53	42.67	9.14	0.196
	KSDRAB14-04	No Significant Intercepts			
	KSDRAB14-05	9.14	28.97	25.91	0.111
	KSDRAB14-06	12.19	18.29	6.1	2.09
	<i>and</i>	38.1	60.96	22.86	0.145
	KSDRAB14-08	7.62	9.14	1.52	1.07
	<i>and</i>	25.91	47.24	21.34	0.3
	KSDRAB14-09	33.53	42.67	9.14	0.15
	KSDRAB14-10	18.29	28.96	10.07	0.14
	KSDRAB14-11	24.38	28.96	4.57	0.94
	KSDRAB14-12	21.34	33.53	12.19	0.29

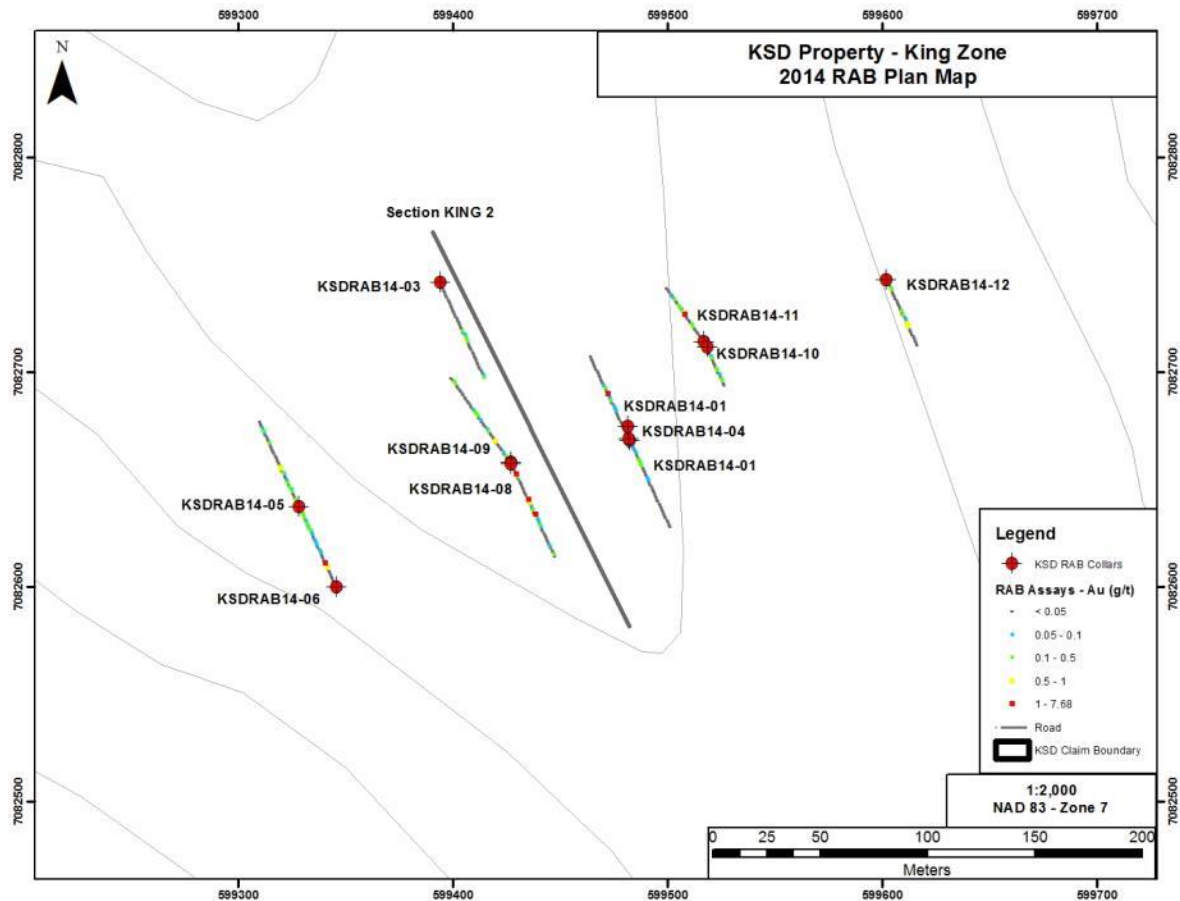


Figure 10: Plan map of 2014 RAB drilling on the King Zone with gold assay values projected to surface.

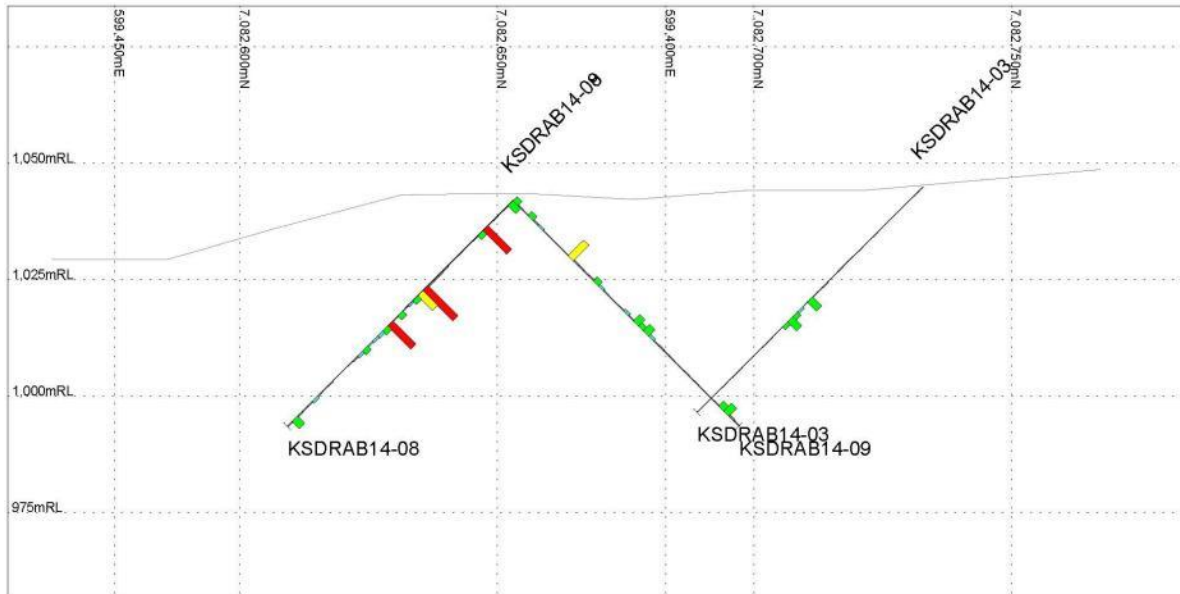


Figure 11: Cross-section KING 2 from RAB drilling on the King Zone. See Figure 10 above for location. Green (0.1 – 0.5 g/t Au), yellow (0.5 – 1 g/t Au), and red (>1 g/t Au)

There appear to be two styles of gold mineralization in the area. The first occurs within the quartz sericite schist, at or near the contact with the chlorite schist, and it is typically associated with elevated Ag, Cu, Pb, & Zn. The second is associated with an ‘orogenic’ style of quartz veins and it is typically associated with elevated As.

The current interpretation is that the first style of mineralization is likely syngenetic and associated with Permian VMS style mineralization within the Klondike schist, with the orogenic veins occurring during later Jurassic deformation and the gold mineralization likely being remobilized from the enriched schist. Lower grade gold (25-100ppb) values are common throughout the area, even in apparently unaltered sections, indicating the Klondike schist rocks within the area may be ‘naturally’ enriched in gold from syngenetic and/or metamorphic processes.

RAB drilling on the Prince Zone was designed to test structural breaks apparent within the magnetic and IP/resistivity sections over the area. The northern most holes (KSDRAB14-07 & 13) tested a distinct E-W oriented magnetic break and coincident chargeability high, while the four southern holes (KSD14-14 – 17) tested E-W oriented breaks in the chargeability data. None of the holes returned significant assay results for gold, but did encounter significant zones of alteration and locally elevated base metals (Cu, Pb, & Zn).

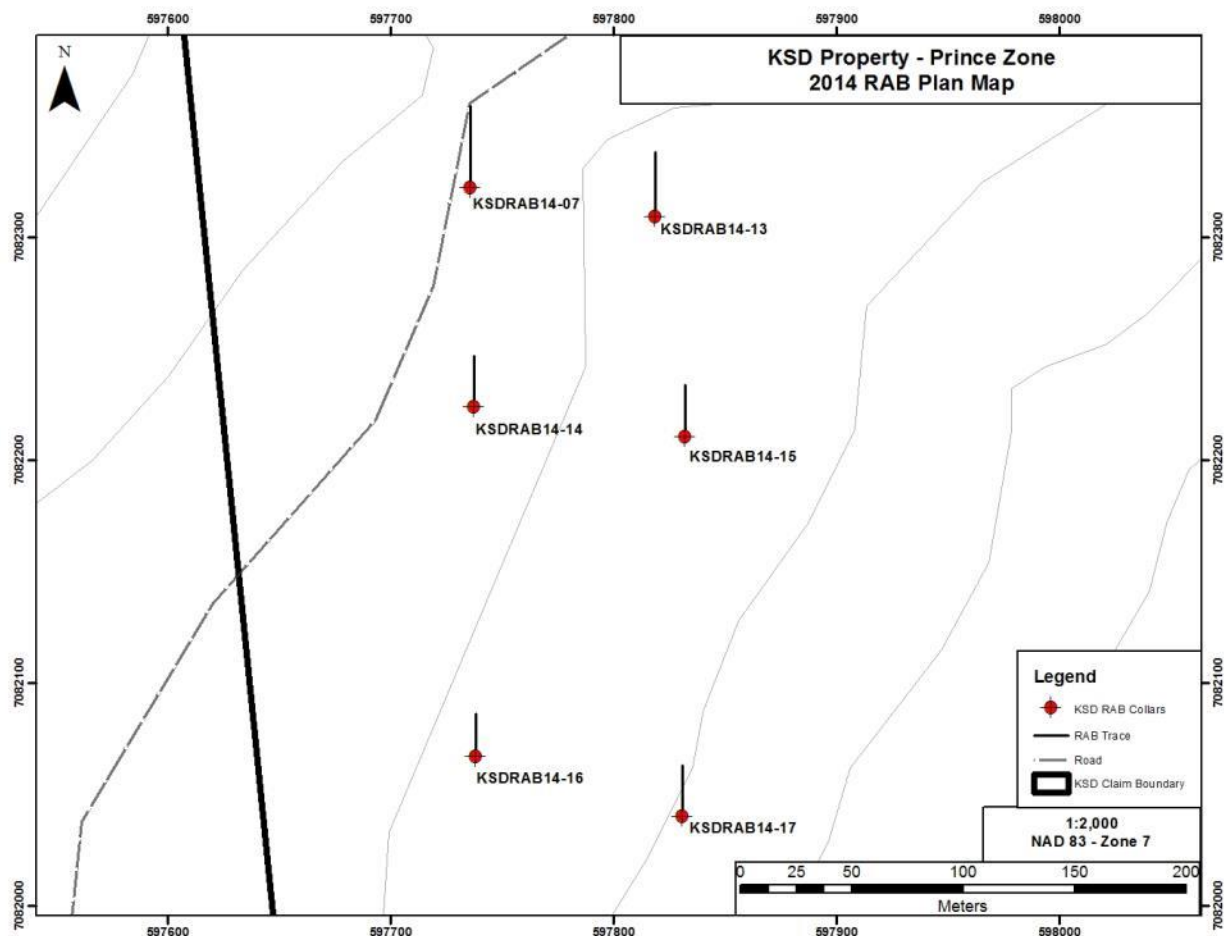


Figure 12: Plan map of 2014 RAB drilling on the Prince Zone.

Conclusions

Overall, the southern KSD area appears to consist of a complex folded and faulted sequence of mafic (chloritic) and felsic (quartz sericite) schist, of the Permian Klondike schist package. These units overlie, and are locally in fault contact with, older meta-sedimentary units of the Snowcap assemblage.

The Klondike schist units, particularly the quartz sericite schist, appear to be locally enriched in gold, all be it at low levels (25 – 500 ppb), and were likely formed syngenitically with VMS style mineralization in the area with potential remobilization of the gold during Permian and Jurassic metamorphism and ductile deformation.

Based on the RAB drilling in the King Zone area, the enriched felsic schist may have substantial strike length, but at sub economic gold grades. Orogenic style, boudinage quartz veins also developed within the schist package during Jurassic deformation. Though locally containing high grade coarse visible gold, these veins are typically narrow and discontinuous along strike and depth.

Exploration potential does still exist along strike of the King Zone to the NE, however there are no indications that the grade and thickness of mineralization would improve along strike or at depth.

The King SE zone is also currently untested. Based on prospecting and mapping in the area it appears to be very similar to the King Zone in terms of lithological controls, structure, and mineralization.

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Statement of Expenditures

2014 KSD Project Expenditures	
Category	Amount
Geochemical Surveys	
Soil Sampling	\$ 13,617
Assay Costs	\$ 10,424
Geophysical Surveys	
Ground Magnetic Survey	\$ 14,385
IP Survey	\$ 60,649
Drilling	
RAB Drilling	\$ 96,515
Assay Costs	\$ 16,823
Other/Misc	
Lodging/Office	\$ 2,250
Rental Truck	\$ 6,831
Sample shipping	\$ 982
Salary Justin Daly (Geologist)	
57.75 days @ \$300/day	\$ 17,325
Total 2014 Expenditures	\$ 239,802

Statement of Qualifications

I, Jodie L. Gibson, hereby certify that:

1. I am a project geologist with Centerra Gold Corporation., 1 University Avenue, Suite 1500, Toronto, ON M5J 2P1.
2. I am a graduate of Indiana State University, with a B. Sc. degree (2003) and a M.Sc. degree (2006) in Geology. I have been involved in geological mapping, mineral exploration and the management of mineral exploration companies continuously since 2007.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 162701
4. I am the author of this report on the 2014 Geological, Geophysical, and Geochemical Report on the King Solomon Dome Property.
5. The report is based on a literature review, private company reports, and on observations from the 2014 work program.
6. I designed, implemented, and managed the 2014 program on the King Solomon Dome property.

Dated at Vancouver, B.C. this 13th day of January, 2015.

Jodie L. Gibson, P.Geo.

Appendix 1 – Claims

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC23516	Crown Jewel	1	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23517	Crown Jewel	2	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23518	Crown Jewel	3	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23519	Crown Jewel	4	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23520	Crown Jewel	5	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23521	Crown Jewel	6	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23522	Crown Jewel	7	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23523	Crown Jewel	8	Shawn Ryan - 100%	12/14/2002	12/14/2002	2/23/2017
Dawson	YC23524	Crown Jewel	9	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23525	Crown Jewel	10	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23526	Crown Jewel	11	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23527	Crown Jewel	12	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23528	Crown Jewel	13	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23529	Crown Jewel	14	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23530	Crown Jewel	15	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC23531	Crown Jewel	16	Shawn Ryan - 100%	12/18/2002	12/14/2002	2/23/2017
Dawson	YC34425	Crown Jewel	17	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34426	Crown Jewel	18	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
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Dawson	YC34428	Crown Jewel	20	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
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Dawson	YC34430	Crown Jewel	22	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
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Dawson	YC34432	Crown Jewel	24	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34433	Crown Jewel	25	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC34434	Crown Jewel	26	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34435	Crown Jewel	27	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34436	Crown Jewel	28	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34437	Crown Jewel	29	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
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Dawson	YC34440	Crown Jewel	32	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34441	Crown Jewel	33	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34442	Crown Jewel	34	Shawn Ryan - 100%	8/20/2004	8/9/2004	2/23/2017
Dawson	YC34643	Crown Jewel	35	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
Dawson	YC34644	Crown Jewel	36	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
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Dawson	YC35008	Crown Jewel	51	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
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Dawson	YC35012	Crown Jewel	55	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
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Dawson	YC35022	Crown Jewel	65	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
Dawson	YC35023	Crown Jewel	66	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
Dawson	YC35024	Crown Jewel	67	Shawn Ryan - 100%	9/15/2004	9/10/2004	2/23/2017
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Dawson	YC35026	Crown Jewel	69	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35027	Crown Jewel	70	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35028	Crown Jewel	71	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35029	Crown Jewel	72	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35030	Crown Jewel	73	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35031	Crown Jewel	74	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35032	Crown Jewel	75	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35033	Crown Jewel	76	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35034	Crown Jewel	77	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC35035	Crown Jewel	78	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35036	Crown Jewel	79	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35037	Crown Jewel	80	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35038	Crown Jewel	81	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35039	Crown Jewel	82	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35040	Crown Jewel	83	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35041	Crown Jewel	84	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35042	Crown Jewel	85	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35043	Crown Jewel	86	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35044	Crown Jewel	87	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35045	Crown Jewel	88	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35046	Crown Jewel	89	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35047	Crown Jewel	90	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35048	Crown Jewel	91	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35049	Crown Jewel	92	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35050	Crown Jewel	93	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35051	Crown Jewel	94	Shawn Ryan - 100%	9/15/2004	9/11/2004	2/23/2017
Dawson	YC35052	Crown Jewel	95	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35053	Crown Jewel	96	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35054	Crown Jewel	97	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35055	Crown Jewel	98	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35056	Crown Jewel	99	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35057	Crown Jewel	100	Shawn Ryan - 100%	9/15/2004	9/14/2004	2/23/2017
Dawson	YC35674	Crown Jewel	101	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35675	Crown Jewel	102	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35676	Crown Jewel	103	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017

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Dawson	YC35677	Crown Jewel	104	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35678	Crown Jewel	105	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35679	Crown Jewel	106	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35680	Crown Jewel	107	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35681	Crown Jewel	108	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35682	Crown Jewel	109	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35683	Crown Jewel	110	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35684	Crown Jewel	111	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35685	Crown Jewel	112	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35686	Crown Jewel	113	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35687	Crown Jewel	114	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35688	Crown Jewel	115	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35689	Crown Jewel	116	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35690	Crown Jewel	117	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35691	Crown Jewel	118	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35692	Crown Jewel	119	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35693	Crown Jewel	120	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35694	Crown Jewel	121	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35695	Crown Jewel	122	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35696	Crown Jewel	123	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35697	Crown Jewel	124	Shawn Ryan - 100%	2/15/2005	2/1/2005	2/23/2017
Dawson	YC35698	Crown Jewel	125	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35699	Crown Jewel	126	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35700	Crown Jewel	127	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35701	Crown Jewel	128	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35702	Crown Jewel	129	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017

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Dawson	YC35703	Crown Jewel	130	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35704	Crown Jewel	131	Shawn Ryan - 100%	2/15/2005	2/8/2005	2/23/2017
Dawson	YC35705	Crown Jewel	132	Shawn Ryan - 100%	2/15/2005	2/8/2005	2/23/2017
Dawson	YC35756	Crown Jewel	133	Shawn Ryan - 100%	2/23/2005	2/7/2005	2/23/2017
Dawson	YC35757	Crown Jewel	134	Shawn Ryan - 100%	2/23/2005	2/7/2005	2/23/2017
Dawson	YC35758	Crown Jewel	135	Shawn Ryan - 100%	2/23/2005	2/7/2005	2/23/2017
Dawson	YC35759	Crown Jewel	136	Shawn Ryan - 100%	2/23/2005	2/7/2005	2/23/2017
Dawson	YC35760	Crown Jewel	137	Shawn Ryan - 100%	2/23/2005	2/8/2005	2/23/2017
Dawson	YC35761	Crown Jewel	138	Shawn Ryan - 100%	2/23/2005	2/8/2005	2/23/2017
Dawson	YC35762	Crown Jewel	139	Shawn Ryan - 100%	2/23/2005	2/8/2005	2/23/2017
Dawson	YC35763	Crown Jewel	140	Shawn Ryan - 100%	2/23/2005	2/8/2005	2/23/2017
Dawson	YC35706	Crown Jewel	141	Shawn Ryan - 100%	2/15/2005	2/11/2005	2/23/2017
Dawson	YC35707	Crown Jewel	142	Shawn Ryan - 100%	2/15/2005	2/11/2005	2/23/2017
Dawson	YC35708	Crown Jewel	143	Shawn Ryan - 100%	2/15/2005	2/11/2005	2/23/2017
Dawson	YC35709	Crown Jewel	144	Shawn Ryan - 100%	2/15/2005	2/11/2005	2/23/2017
Dawson	YC35764	Crown Jewel	145	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35765	Crown Jewel	146	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35766	Crown Jewel	147	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35767	Crown Jewel	148	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35768	Crown Jewel	149	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35769	Crown Jewel	150	Shawn Ryan - 100%	2/23/2005	2/9/2005	2/23/2017
Dawson	YC35710	Crown Jewel	151	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35711	Crown Jewel	152	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35712	Crown Jewel	153	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35713	Crown Jewel	154	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35714	Crown Jewel	155	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017

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Dawson	YC35715	Crown Jewel	156	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35716	Crown Jewel	157	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35717	Crown Jewel	158	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35718	Crown Jewel	159	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35719	Crown Jewel	160	Shawn Ryan - 100%	2/15/2005	2/7/2005	2/23/2017
Dawson	YC35720	Crown Jewel	161	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35721	Crown Jewel	162	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35722	Crown Jewel	163	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35723	Crown Jewel	164	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35724	Crown Jewel	165	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35725	Crown Jewel	166	Shawn Ryan - 100%	2/15/2005	2/14/2005	2/23/2017
Dawson	YC35726	Crown Jewel	167	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC35727	Crown Jewel	168	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC35728	Crown Jewel	169	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC35729	Crown Jewel	170	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC35730	Crown Jewel	171	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC35731	Crown Jewel	172	Shawn Ryan - 100%	2/15/2005	2/12/2005	2/23/2017
Dawson	YC19934	King	1	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19935	King	2	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19936	King	3	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19937	King	4	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19938	King	5	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19939	King	6	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19940	King	7	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19941	King	8	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19942	King	9	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017

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Dawson	YC19943	King	10	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19944	King	11	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC19945	King	12	Shawn Ryan - 100%	5/2/2000	4/24/2000	2/23/2017
Dawson	YC44350	King	13	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44351	King	14	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44352	King	15	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44353	King	16	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44354	King	17	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44355	King	18	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44356	King	19	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC44357	King	20	Shawn Ryan - 100%	6/9/2006	6/2/2006	2/23/2017
Dawson	YC19954	King	21	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19955	King	22	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19956	King	23	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19957	King	24	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19958	King	25	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19959	King	26	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19960	King	27	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19961	King	28	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19962	King	29	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19963	King	30	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19964	King	31	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC19965	King	32	Shawn Ryan - 100%	5/2/2000	4/25/2000	2/23/2017
Dawson	YC20693	King	33	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20694	King	34	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20695	King	35	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017

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Dawson	YC20696	King	36	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20697	King	37	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20698	King	38	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20699	King	39	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20700	King	40	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20701	King	41	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC20702	King	42	Shawn Ryan - 100%	6/13/2001	6/9/2001	2/23/2017
Dawson	YC86597	King	43	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86598	King	44	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86599	King	45	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86600	King	46	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86748	King	47	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86749	King	48	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86750	King	49	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86751	King	50	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86752	King	51	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86753	King	52	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86754	King	53	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC86755	King	54	Shawn Ryan - 100%	5/26/2009	5/7/2009	2/23/2017
Dawson	YC44334	NPrince	1	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44335	NPrince	2	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44336	NPrince	3	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44337	NPrince	4	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44338	NPrince	5	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44339	NPrince	6	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44340	NPrince	7	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017

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Dawson	YC44341	NPrince	8	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44342	NPrince	9	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44343	NPrince	10	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44344	NPrince	11	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44345	NPrince	12	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44346	NPrince	13	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44347	NPrince	14	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44348	NPrince	15	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC44349	NPrince	16	Shawn Ryan - 100%	6/2/2006	6/2/2006	2/23/2017
Dawson	YC20647	Prince	1	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20648	Prince	2	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20649	Prince	3	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20650	Prince	4	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20651	Prince	5	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20652	Prince	6	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20653	Prince	7	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20654	Prince	8	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20655	Prince	9	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20656	Prince	10	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20657	Prince	11	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20658	Prince	12	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20659	Prince	13	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20660	Prince	14	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20661	Prince	15	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20662	Prince	16	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20663	Prince	17	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017

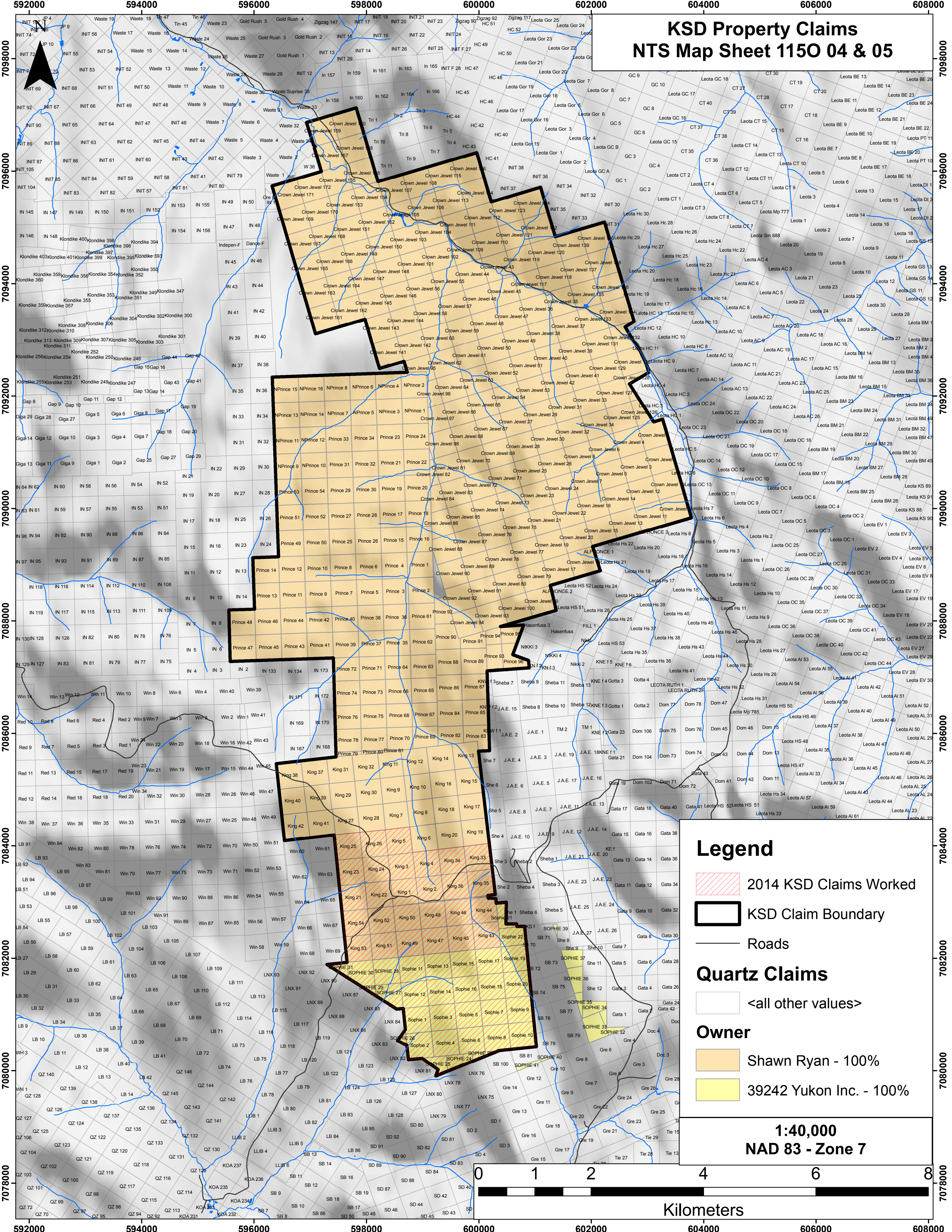
District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC20664	Prince	18	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20665	Prince	19	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20666	Prince	20	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20667	Prince	21	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20668	Prince	22	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20669	Prince	23	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20670	Prince	24	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20671	Prince	25	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20672	Prince	26	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20673	Prince	27	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20674	Prince	28	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20675	Prince	29	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20676	Prince	30	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20677	Prince	31	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20678	Prince	32	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20679	Prince	33	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20680	Prince	34	Shawn Ryan - 100%	6/13/2001	5/29/2001	2/23/2017
Dawson	YC20681	Prince	35	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20682	Prince	36	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20683	Prince	37	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20684	Prince	38	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20685	Prince	39	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20686	Prince	40	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20687	Prince	41	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20688	Prince	42	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20689	Prince	43	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC20690	Prince	44	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20691	Prince	45	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC20692	Prince	46	Shawn Ryan - 100%	6/13/2001	5/30/2001	2/23/2017
Dawson	YC21127	Prince	47	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21128	Prince	48	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21129	Prince	49	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21130	Prince	50	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21131	Prince	51	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21132	Prince	52	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21133	Prince	53	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC21134	Prince	54	Shawn Ryan - 100%	10/31/2001	10/22/2001	2/23/2017
Dawson	YC34443	Prince	61	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34444	Prince	62	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34445	Prince	63	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34446	Prince	64	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34447	Prince	65	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34448	Prince	66	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34449	Prince	67	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34450	Prince	68	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34451	Prince	69	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34452	Prince	70	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34453	Prince	71	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34454	Prince	72	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34455	Prince	73	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34456	Prince	74	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34457	Prince	75	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YC34458	Prince	76	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34459	Prince	77	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34460	Prince	78	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34461	Prince	79	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34462	Prince	80	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC34463	Prince	81	Shawn Ryan - 100%	8/20/2004	8/19/2004	2/23/2017
Dawson	YC36113	Prince	82	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36114	Prince	83	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36115	Prince	84	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36116	Prince	85	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36117	Prince	86	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36118	Prince	87	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36119	Prince	88	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36120	Prince	89	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36121	Prince	90	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36122	Prince	91	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC36123	Prince	92	Shawn Ryan - 100%	6/2/2005	5/30/2005	2/23/2017
Dawson	YC61040	Prince	93	Shawn Ryan - 100%	6/4/2007	6/1/2007	2/23/2017
Dawson	YC61041	Prince	94	Shawn Ryan - 100%	6/4/2007	6/1/2007	2/23/2017
Dawson	YC61042	Prince	95	Shawn Ryan - 100%	6/4/2007	6/1/2007	2/23/2017
Dawson	YC61043	Prince	96	Shawn Ryan - 100%	6/4/2007	6/1/2007	2/23/2017
Dawson	YD11751	Sophie	1	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11752	Sophie	2	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11753	Sophie	3	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11754	Sophie	4	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11755	Sophie	5	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YD11756	Sophie	6	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11757	Sophie	7	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11758	Sophie	8	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11759	Sophie	9	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11760	Sophie	10	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11761	Sophie	11	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11762	Sophie	12	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11763	Sophie	13	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11764	Sophie	14	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11765	Sophie	15	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11766	Sophie	16	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11767	Sophie	17	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11768	Sophie	18	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11769	Sophie	19	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11770	Sophie	20	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11771	Sophie	21	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YD11772	Sophie	22	39242 Yukon Inc. - 100%	9/24/2009	9/23/2009	12/24/2017
Dawson	YE65081	SOPHIE	23	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65082	SOPHIE	24	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65083	SOPHIE	25	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65084	SOPHIE	26	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65085	SOPHIE	27	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65086	SOPHIE	28	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65087	SOPHIE	29	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65088	SOPHIE	30	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017
Dawson	YE65089	SOPHIE	31	39242 Yukon Inc. - 100%	10/11/2011	9/14/2011	10/11/2017

District	Grant #	Claim Name	Claim #	Claim Owner	Recording Date	Staking Date	Claim Expiry Date
Dawson	YE79476	SOPHIE	32	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79477	SOPHIE	33	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79478	SOPHIE	34	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79479	SOPHIE	35	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79480	SOPHIE	36	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79481	SOPHIE	37	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79482	SOPHIE	39	39242 Yukon Inc. - 100%	10/11/2011	9/29/2011	10/11/2015
Dawson	YE79484	SOPHIE	40	39242 Yukon Inc. - 100%	10/11/2011	9/30/2011	10/11/2017
Dawson	YE79485	SOPHIE	41	39242 Yukon Inc. - 100%	10/11/2011	9/30/2011	10/11/2017



Appendix 2 – Summary of Geochemical Samples and Assay Certificates

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1338252	KSD	Soil	7	599693	7080346
1338253	KSD	Soil	7	599692	7080397
1338254	KSD	Soil	7	599690	7080447
1338255	KSD	Soil	7	599688	7080497
1338256	KSD	Soil	7	599685	7080547
1338257	KSD	Soil	7	600970	7081046
1338258	KSD	Soil	7	600970	7080997
1338259	KSD	Soil	7	600973	7080947
1338260	KSD	Soil	7	600975	7080897
1338261	KSD	Soil	7	600977	7080847
1338262	KSD	Soil	7	600977	7080796
1338263	KSD	Soil	7	600979	7080746
1338264	KSD	Soil	7	600980	7080697
1338265	KSD	Soil	7	600982	7080647
1338266	KSD	Soil	7	600985	7080596
1338267	KSD	Soil	7	600988	7080546
1338268	KSD	Soil	7	600988	7080496
1338269	KSD	Soil	7	600989	7080447
1338270	KSD	Soil	7	600691	7080435
1338271	KSD	Soil	7	600689	7080485
1338272	KSD	Soil	7	600688	7080536
1338273	KSD	Soil	7	600685	7080585
1338274	KSD	Soil	7	600393	7080375
1338275	KSD	Soil	7	600393	7080375
1338302	KSD	Soil	7	600846	7081692
1338303	KSD	Soil	7	600848	7081643
1338304	KSD	Soil	7	600850	7081593

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1338305	KSD	Soil	7	600646	7081686
1338306	KSD	Soil	7	600648	7081635
1338307	KSD	Soil	7	600650	7081585
1338308	KSD	Soil	7	600653	7081536
1338309	KSD	Soil	7	600654	7081484
1338310	KSD	Soil	7	600656	7081435
1338311	KSD	Soil	7	600658	7081384
1338312	KSD	Soil	7	600447	7081678
1338313	KSD	Soil	7	600449	7081629
1338314	KSD	Soil	7	600451	7081581
1338315	KSD	Soil	7	600452	7081529
1338316	KSD	Soil	7	600455	7081480
1338317	KSD	Soil	7	600456	7081429
1338318	KSD	Soil	7	600459	7081379
1338319	KSD	Soil	7	600459	7081329
1338320	KSD	Soil	7	600461	7081280
1338321	KSD	Soil	7	600462	7081228
1338322	KSD	Soil	7	600464	7081179
1338323	KSD	Soil	7	600465	7081128
1338326	KSD	Soil	7	600469	7081081
1338327	KSD	Soil	7	600469	7081028
1338328	KSD	Soil	7	600471	7080979
1338329	KSD	Soil	7	600473	7080929
1338330	KSD	Soil	7	600473	7080878
1338331	KSD	Soil	7	600476	7080828
1338332	KSD	Soil	7	600477	7080779
1338333	KSD	Soil	7	600479	7080729
1338334	KSD	Soil	7	600482	7080679
1338335	KSD	Soil	7	600483	7080628

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1338336	KSD	Soil	7	600485	7080580
1338337	KSD	Soil	7	600488	7080528
1338338	KSD	Soil	7	600488	7080478
1338339	KSD	Soil	7	600491	7080428
1338340	KSD	Soil	7	600177	7080817
1338341	KSD	Soil	7	600166	7081117
1338342	KSD	Soil	7	600160	7081269
1338343	KSD	Soil	7	600153	7081468
1338344	KSD	Soil	7	599993	7080360
1338345	KSD	Soil	7	599989	7080412
1338346	KSD	Soil	7	599989	7080461
1338347	KSD	Soil	7	599987	7080511
1338348	KSD	Soil	7	599986	7080561
1338349	KSD	Soil	7	599984	7080612
1338350	KSD	Soil	7	599983	7080662
1339626	KSD	Soil	7	599555	7081446
1339627	KSD	Soil	7	599555	7081401
1339628	KSD	Soil	7	599557	7081351
1339629	KSD	Soil	7	599560	7081301
1339630	KSD	Soil	7	599560	7081251
1339631	KSD	Soil	7	599563	7081201
1339632	KSD	Soil	7	599565	7081151
1339633	KSD	Soil	7	599568	7081101
1339634	KSD	Soil	7	599569	7081050
1339635	KSD	Soil	7	599570	7081000
1339636	KSD	Soil	7	599572	7080951
1339637	KSD	Soil	7	599574	7080900
1339638	KSD	Soil	7	599575	7080851
1339639	KSD	Soil	7	599577	7080801

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1339640	KSD	Soil	7	599580	7080750
1339641	KSD	Soil	7	599581	7080700
1339642	KSD	Soil	7	599582	7080650
1339643	KSD	Soil	7	599584	7080601
1339644	KSD	Soil	7	599587	7080551
1339645	KSD	Soil	7	599588	7080499
1339646	KSD	Soil	7	599591	7080451
1339647	KSD	Soil	7	599592	7080401
1339648	KSD	Soil	7	599593	7080350
1339649	KSD	Soil	7	599595	7080301
1339650	KSD	Soil	7	599696	7080301
1345552	KSD	Soil	7	599065	7081080
1345553	KSD	Soil	7	599069	7081030
1345554	KSD	Soil	7	599069	7080980
1345555	KSD	Soil	7	599072	7080930
1345556	KSD	Soil	7	599072	7080881
1345557	KSD	Soil	7	599074	7080828
1345558	KSD	Soil	7	599077	7080778
1345559	KSD	Soil	7	599082	7080728
1345560	KSD	Soil	7	599076	7080677
1345561	KSD	Soil	7	599081	7080627
1345562	KSD	Soil	7	599084	7080579
1345563	KSD	Soil	7	598889	7080473
1345564	KSD	Soil	7	598890	7080521
1345565	KSD	Soil	7	598887	7080571
1345566	KSD	Soil	7	598885	7080621
1345567	KSD	Soil	7	598882	7080669
1345568	KSD	Soil	7	598877	7080720
1345569	KSD	Soil	7	598880	7080770

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1345570	KSD	Soil	7	598877	7080818
1345571	KSD	Soil	7	598873	7080871
1345572	KSD	Soil	7	598874	7080920
1345573	KSD	Soil	7	598870	7080972
1345574	KSD	Soil	7	598872	7081021
1345575	KSD	Soil	7	598872	7081021
1345810	KSD	Soil	7	600777	7080789
1345811	KSD	Soil	7	600781	7080739
1345812	KSD	Soil	7	600668	7081085
1345813	KSD	Soil	7	600666	7081135
1345814	KSD	Soil	7	600664	7081186
1345815	KSD	Soil	7	600661	7081236
1345816	KSD	Soil	7	600661	7081284
1345817	KSD	Soil	7	600659	7081334
1345818	KSD	Soil	7	600547	7081682
1345819	KSD	Soil	7	600549	7081630
1345820	KSD	Soil	7	600553	7081581
1345821	KSD	Soil	7	600555	7081530
1345822	KSD	Soil	7	600556	7081482
1345823	KSD	Soil	7	600558	7081431
1345824	KSD	Soil	7	600557	7081382
1345825	KSD	Soil	7	600557	7081382
1345826	KSD	Soil	7	600093	7080365
1345827	KSD	Soil	7	600089	7080414
1345828	KSD	Soil	7	600089	7080463
1345829	KSD	Soil	7	600088	7080514
1345830	KSD	Soil	7	600086	7080564
1345831	KSD	Soil	7	600083	7080613
1345832	KSD	Soil	7	600082	7080664

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1345833	KSD	Soil	7	600079	7080712
1345834	KSD	Soil	7	600078	7080764
1345835	KSD	Soil	7	600077	7080813
1345836	KSD	Soil	7	600076	7080863
1345837	KSD	Soil	7	600076	7080915
1345838	KSD	Soil	7	600073	7080965
1345839	KSD	Soil	7	600070	7081015
1345840	KSD	Soil	7	600067	7081063
1345841	KSD	Soil	7	600055	7081464
1345842	KSD	Soil	7	600056	7081417
1345843	KSD	Soil	7	600058	7081366
1345844	KSD	Soil	7	600061	7081316
1345845	KSD	Soil	7	600062	7081265
1345846	KSD	Soil	7	600061	7081216
1345847	KSD	Soil	7	600063	7081166
1345848	KSD	Soil	7	600068	7081114
1349346	KSD	Soil	7	599055	7081427
1349347	KSD	Soil	7	599057	7081381
1349348	KSD	Soil	7	599057	7081331
1349349	KSD	Soil	7	599057	7081280
1349350	KSD	Soil	7	599062	7081228
1349490	KSD	Soil	7	600881	7080692
1349491	KSD	Soil	7	600883	7080645
1349492	KSD	Soil	7	600885	7080595
1349493	KSD	Soil	7	600888	7080493
1349494	KSD	Soil	7	600891	7080443
1349495	KSD	Soil	7	600791	7080438
1349496	KSD	Soil	7	600788	7080489
1349497	KSD	Soil	7	600786	7080538

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1349498	KSD	Soil	7	600786	7080589
1349499	KSD	Soil	7	600784	7080639
1349500	KSD	Soil	7	600781	7080687
1354323	KSD	Soil	7	600253	7081471
1354324	KSD	Soil	7	600255	7081421
1354325	KSD	Soil	7	600255	7081421
1354391	KSD	Soil	7	598769	7081119
1354392	KSD	Soil	7	598762	7081169
1354393	KSD	Soil	7	599154	7081433
1354394	KSD	Soil	7	599160	7081383
1354395	KSD	Soil	7	599157	7081333
1354396	KSD	Soil	7	599160	7081283
1354397	KSD	Soil	7	599167	7081233
1354398	KSD	Soil	7	599160	7081184
1354399	KSD	Soil	7	599168	7081132
1354400	KSD	Soil	7	599164	7081081
1354494	KSD	Soil	7	598956	7081424
1354495	KSD	Soil	7	598958	7081377
1354496	KSD	Soil	7	598957	7081326
1354497	KSD	Soil	7	598957	7081274
1354498	KSD	Soil	7	598960	7081226
1354499	KSD	Soil	7	598962	7081175
1354500	KSD	Soil	7	598965	7081126
1354781	KSD	Soil	7	598777	7080770
1354786	KSD	Soil	7	598767	7080969
1354787	KSD	Soil	7	598767	7081018
1354788	KSD	Soil	7	598767	7081069
1354789	KSD	Soil	7	598864	7081171
1354790	KSD	Soil	7	598797	7080219

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1354791	KSD	Soil	7	598795	7080270
1354792	KSD	Soil	7	598794	7080318
1354793	KSD	Soil	7	598789	7080370
1354794	KSD	Soil	7	598788	7080418
1354795	KSD	Soil	7	598787	7080468
1354796	KSD	Soil	7	598786	7080517
1354797	KSD	Soil	7	598782	7080568
1354798	KSD	Soil	7	598778	7080618
1354799	KSD	Soil	7	598783	7080669
1354800	KSD	Soil	7	598777	7080718
1354852	KSD	Soil	7	599673	7080901
1354853	KSD	Soil	7	599675	7080851
1354856	KSD	Soil	7	599680	7080701
1354858	KSD	Soil	7	599685	7080601
1354859	KSD	Soil	7	599495	7080294
1354860	KSD	Soil	7	599493	7080344
1354861	KSD	Soil	7	599491	7080394
1354863	KSD	Soil	7	599487	7080494
1354864	KSD	Soil	7	599486	7080544
1354865	KSD	Soil	7	599484	7080595
1354866	KSD	Soil	7	599482	7080645
1354868	KSD	Soil	7	599480	7080745
1354870	KSD	Soil	7	599475	7080844
1354871	KSD	Soil	7	599474	7080894
1354873	KSD	Soil	7	599470	7080994
1354874	KSD	Soil	7	599468	7081043
1354875	KSD	Soil	7	599468	7081043
1354876	KSD	Soil	7	599466	7081092
1354877	KSD	Soil	7	599465	7081144

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1354878	KSD	Soil	7	599463	7081193
1354879	KSD	Soil	7	599462	7081243
1354880	KSD	Soil	7	599460	7081293
1354881	KSD	Soil	7	599458	7081344
1354882	KSD	Soil	7	599457	7081393
1354883	KSD	Soil	7	599455	7081443
1354884	KSD	Soil	7	600818	7082542
1354885	KSD	Soil	7	600818	7082493
1354886	KSD	Soil	7	600819	7082443
1354887	KSD	Soil	7	600822	7082392
1354888	KSD	Soil	7	600824	7082343
1354889	KSD	Soil	7	600826	7082293
1354890	KSD	Soil	7	600828	7082243
1354891	KSD	Soil	7	600829	7082192
1354892	KSD	Soil	7	600831	7082143
1354893	KSD	Soil	7	600834	7082093
1354894	KSD	Soil	7	600834	7082042
1354895	KSD	Soil	7	600837	7081991
1354896	KSD	Soil	7	600839	7081942
1354897	KSD	Soil	7	600839	7081893
1354898	KSD	Soil	7	600841	7081841
1354899	KSD	Soil	7	600843	7081791
1354900	KSD	Soil	7	600845	7081743
1354902	KSD	Soil	7	599295	7080286
1354903	KSD	Soil	7	599294	7080336
1354904	KSD	Soil	7	599291	7080386
1354905	KSD	Soil	7	599289	7080435
1354906	KSD	Soil	7	599290	7080486
1354907	KSD	Soil	7	600888	7080542

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1354908	KSD	Soil	7	599286	7080536
1354909	KSD	Soil	7	599285	7080587
1354910	KSD	Soil	7	599285	7080637
1354911	KSD	Soil	7	599280	7080684
1354912	KSD	Soil	7	599280	7080736
1354913	KSD	Soil	7	599277	7080786
1354914	KSD	Soil	7	599274	7080836
1354915	KSD	Soil	7	599274	7080886
1354916	KSD	Soil	7	599273	7080937
1354917	KSD	Soil	7	599270	7080986
1354918	KSD	Soil	7	599269	7081035
1354919	KSD	Soil	7	599268	7081088
1354920	KSD	Soil	7	599267	7081136
1354921	KSD	Soil	7	599263	7081187
1354922	KSD	Soil	7	599261	7081236
1354923	KSD	Soil	7	599260	7081285
1354924	KSD	Soil	7	599259	7081335
1354925	KSD	Soil	7	599256	7081386
1354926	KSD	Soil	7	599256	7081386
1354927	KSD	Soil	7	599254	7081437
1354928	KSD	Soil	7	599653	7081450
1354929	KSD	Soil	7	599656	7081400
1354930	KSD	Soil	7	599660	7081350
1354931	KSD	Soil	7	599660	7081301
1354932	KSD	Soil	7	599662	7081249
1354933	KSD	Soil	7	599663	7081198
1354934	KSD	Soil	7	600852	7081543
1354935	KSD	Soil	7	600854	7081493
1354936	KSD	Soil	7	600856	7081444

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1354937	KSD	Soil	7	600858	7081394
1354938	KSD	Soil	7	600858	7081344
1354939	KSD	Soil	7	600860	7081294
1354940	KSD	Soil	7	600862	7081244
1354941	KSD	Soil	7	600863	7081194
1354942	KSD	Soil	7	600867	7081146
1354943	KSD	Soil	7	600868	7081094
1354944	KSD	Soil	7	600868	7081043
1354945	KSD	Soil	7	600871	7080994
1354946	KSD	Soil	7	600873	7080944
1354947	KSD	Soil	7	600874	7080893
1354948	KSD	Soil	7	600877	7080844
1354949	KSD	Soil	7	600880	7080794
1354950	KSD	Soil	7	600880	7080742
1354952	KSD	Soil	7	600684	7080636
1354954	KSD	Soil	7	600682	7080685
1354955	KSD	Soil	7	600680	7080736
1354956	KSD	Soil	7	600678	7080786
1354957	KSD	Soil	7	600677	7080835
1354958	KSD	Soil	7	600675	7080886
1354959	KSD	Soil	7	600673	7080936
1354960	KSD	Soil	7	600671	7080985
1354962	KSD	Soil	7	600367	7081124
1354963	KSD	Soil	7	600368	7081074
1354964	KSD	Soil	7	600370	7081024
1354965	KSD	Soil	7	600371	7080974
1354966	KSD	Soil	7	600373	7080924
1354967	KSD	Soil	7	600374	7080874
1354968	KSD	Soil	7	600354	7081474

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1354969	KSD	Soil	7	600356	7081424
1354970	KSD	Soil	7	600358	7081374
1354971	KSD	Soil	7	600360	7081324
1354972	KSD	Soil	7	600361	7081274
1354973	KSD	Soil	7	600362	7081224
1354976	KSD	Soil	7	600366	7081174
1354977	KSD	Soil	7	600378	7080823
1354978	KSD	Soil	7	600378	7080774
1354979	KSD	Soil	7	600380	7080724
1354980	KSD	Soil	7	600382	7080673
1354981	KSD	Soil	7	600384	7080624
1354982	KSD	Soil	7	600386	7080573
1354983	KSD	Soil	7	600388	7080524
1354984	KSD	Soil	7	600389	7080475
1354985	KSD	Soil	7	600390	7080425
1354986	KSD	Soil	7	600189	7080469
1354987	KSD	Soil	7	600188	7080518
1354988	KSD	Soil	7	600182	7080669
1354989	KSD	Soil	7	600178	7080768
1354990	KSD	Soil	7	600172	7080967
1354991	KSD	Soil	7	600165	7081167
1354992	KSD	Soil	7	600157	7081367
1354993	KSD	Soil	7	599793	7080354
1354994	KSD	Soil	7	599792	7080404
1354995	KSD	Soil	7	599790	7080454
1354996	KSD	Soil	7	599788	7080504
1354997	KSD	Soil	7	599786	7080555
1354998	KSD	Soil	7	599785	7080603
1354999	KSD	Soil	7	599783	7080653

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1355000	KSD	Soil	7	599780	7080704
1357002	KSD	Soil	7	598555	7081361
1357003	KSD	Soil	7	598556	7081308
1357004	KSD	Soil	7	598558	7081261
1357005	KSD	Soil	7	598563	7081213
1357006	KSD	Soil	7	598565	7081163
1357007	KSD	Soil	7	598564	7081109
1357008	KSD	Soil	7	598665	7081114
1357009	KSD	Soil	7	598666	7081165
1357010	KSD	Soil	7	598666	7081215
1357011	KSD	Soil	7	598659	7081265
1357012	KSD	Soil	7	598660	7081316
1357013	KSD	Soil	7	598656	7081366
1357014	KSD	Soil	7	598655	7081415
1357015	KSD	Soil	7	598752	7081420
1357016	KSD	Soil	7	598755	7081369
1357017	KSD	Soil	7	598758	7081320
1357018	KSD	Soil	7	598761	7081267
1357019	KSD	Soil	7	598763	7081220
1357035	KSD	Soil	7	598259	7081302
1357036	KSD	Soil	7	598259	7081350
1357037	KSD	Soil	7	598254	7081400
1357038	KSD	Soil	7	598156	7081397
1357039	KSD	Soil	7	598356	7081405
1357040	KSD	Soil	7	598355	7081354
1357041	KSD	Soil	7	598359	7081302
1357042	KSD	Soil	7	598361	7081255
1357043	KSD	Soil	7	598363	7081206
1357044	KSD	Soil	7	598463	7081159

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1357045	KSD	Soil	7	598465	7081208
1357046	KSD	Soil	7	598459	7081259
1357047	KSD	Soil	7	598462	7081308
1357048	KSD	Soil	7	598455	7081359
1357049	KSD	Soil	7	598454	7081408
1357050	KSD	Soil	7	598554	7081413
1369752	KSD	Soil	7	599171	7080984
1369753	KSD	Soil	7	599168	7080932
1369754	KSD	Soil	7	599172	7080882
1369755	KSD	Soil	7	599176	7080833
1369756	KSD	Soil	7	599174	7080781
1369757	KSD	Soil	7	599179	7080733
1369758	KSD	Soil	7	599176	7080681
1369759	KSD	Soil	7	599183	7080632
1369760	KSD	Soil	7	599187	7080583
1369761	KSD	Soil	7	599184	7080532
1369762	KSD	Soil	7	599185	7080483
1369763	KSD	Soil	7	599189	7080432
1369764	KSD	Soil	7	599195	7080382
1369765	KSD	Soil	7	599188	7080331
1369766	KSD	Soil	7	599191	7080283
1369767	KSD	Soil	7	599197	7080234
1369768	KSD	Soil	7	599097	7080230
1369769	KSD	Soil	7	599096	7080279
1369770	KSD	Soil	7	599099	7080335
1369771	KSD	Soil	7	599094	7080379
1369772	KSD	Soil	7	599094	7080431
1369773	KSD	Soil	7	599084	7080479
1369774	KSD	Soil	7	599084	7080533

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1369775	KSD	Soil	7	599084	7080533
1370402	KSD	Soil	7	600559	7081332
1370403	KSD	Soil	7	600561	7081283
1370404	KSD	Soil	7	600563	7081233
1370405	KSD	Soil	7	600564	7081182
1370406	KSD	Soil	7	600566	7081132
1370407	KSD	Soil	7	600568	7081081
1370408	KSD	Soil	7	600570	7081032
1370409	KSD	Soil	7	600572	7080983
1370410	KSD	Soil	7	600573	7080932
1370411	KSD	Soil	7	600575	7080882
1370412	KSD	Soil	7	600577	7080833
1370413	KSD	Soil	7	600580	7080782
1370414	KSD	Soil	7	600580	7080732
1370415	KSD	Soil	7	600583	7080681
1370416	KSD	Soil	7	600583	7080632
1370417	KSD	Soil	7	600584	7080582
1370418	KSD	Soil	7	600587	7080533
1370419	KSD	Soil	7	600590	7080484
1370420	KSD	Soil	7	600591	7080433
1370421	KSD	Soil	7	600491	7080379
1370422	KSD	Soil	7	600176	7080865
1370423	KSD	Soil	7	600170	7081016
1370424	KSD	Soil	7	600160	7081318
1370425	KSD	Soil	7	600160	7081318
1374045	KSD	Soil	7	598859	7081270
1374046	KSD	Soil	7	598863	7081322
1374047	KSD	Soil	7	598858	7081371
1374048	KSD	Soil	7	598857	7081422

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1374049	KSD	Soil	7	598862	7081221
1374076	KSD	Soil	7	598868	7081070
1374077	KSD	Soil	7	598867	7081122
1374226	KSD	Soil	7	598967	7081075
1374227	KSD	Soil	7	598967	7081026
1374228	KSD	Soil	7	598970	7080977
1374229	KSD	Soil	7	598971	7080926
1374230	KSD	Soil	7	598969	7080875
1374231	KSD	Soil	7	598975	7080825
1374232	KSD	Soil	7	598979	7080772
1374233	KSD	Soil	7	598978	7080728
1374234	KSD	Soil	7	598977	7080677
1374235	KSD	Soil	7	598984	7080629
1374236	KSD	Soil	7	598982	7080575
1374237	KSD	Soil	7	598984	7080528
1374238	KSD	Soil	7	598986	7080473
1374239	KSD	Soil	7	598991	7080429
1374240	KSD	Soil	7	598993	7080378
1374241	KSD	Soil	7	598995	7080328
1374242	KSD	Soil	7	598994	7080278
1374243	KSD	Soil	7	598997	7080230
1374244	KSD	Soil	7	598898	7080225
1374245	KSD	Soil	7	598894	7080271
1374246	KSD	Soil	7	598891	7080324
1374247	KSD	Soil	7	598893	7080372
1374248	KSD	Soil	7	598891	7080424
1374249	KSD	Soil	7	599062	7081180
1374250	KSD	Soil	7	599063	7081130
1385202	KSD	Soil	7	599666	7081098

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1385203	KSD	Soil	7	599669	7081050
1385204	KSD	Soil	7	599670	7081000
1385205	KSD	Soil	7	599671	7080947
1385206	KSD	Soil	7	599675	7080900
1385207	KSD	Soil	7	600747	7081688
1385208	KSD	Soil	7	600749	7081640
1385209	KSD	Soil	7	600750	7081589
1385210	KSD	Soil	7	600753	7081539
1385211	KSD	Soil	7	600756	7081489
1385212	KSD	Soil	7	600757	7081439
1385213	KSD	Soil	7	600757	7081390
1385214	KSD	Soil	7	600759	7081339
1385215	KSD	Soil	7	600762	7081291
1385216	KSD	Soil	7	600763	7081239
1385217	KSD	Soil	7	600764	7081190
1385218	KSD	Soil	7	600766	7081139
1385219	KSD	Soil	7	600768	7081090
1385220	KSD	Soil	7	600770	7081040
1385221	KSD	Soil	7	600772	7080990
1385222	KSD	Soil	7	600773	7080939
1385223	KSD	Soil	7	600775	7080888
1385224	KSD	Soil	7	600776	7080838
1385225	KSD	Soil	7	600776	7080838
1385226	KSD	Soil	7	599395	7080291
1385227	KSD	Soil	7	599394	7080339
1385228	KSD	Soil	7	599391	7080390
1385229	KSD	Soil	7	599390	7080440
1385230	KSD	Soil	7	599390	7080488
1385231	KSD	Soil	7	599387	7080540

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1385232	KSD	Soil	7	599384	7080588
1385233	KSD	Soil	7	599384	7080641
1385234	KSD	Soil	7	599382	7080688
1385235	KSD	Soil	7	599379	7080743
1385236	KSD	Soil	7	599378	7080791
1385237	KSD	Soil	7	599375	7080840
1385238	KSD	Soil	7	599372	7080891
1385239	KSD	Soil	7	599373	7080942
1385240	KSD	Soil	7	599369	7080990
1385241	KSD	Soil	7	599368	7081039
1385242	KSD	Soil	7	599367	7081090
1385243	KSD	Soil	7	599365	7081140
1385244	KSD	Soil	7	599366	7081193
1385245	KSD	Soil	7	599363	7081238
1385246	KSD	Soil	7	599355	7081438
1385247	KSD	Soil	7	599358	7081390
1385248	KSD	Soil	7	599359	7081339
1385249	KSD	Soil	7	599360	7081290
1385250	KSD	Soil	7	599665	7081149
1392752	KSD	Soil	7	600258	7081372
1392753	KSD	Soil	7	600258	7081323
1392754	KSD	Soil	7	600261	7081272
1392755	KSD	Soil	7	600260	7081222
1392756	KSD	Soil	7	600263	7081172
1392757	KSD	Soil	7	600266	7081122
1392758	KSD	Soil	7	600268	7081073
1392759	KSD	Soil	7	600269	7081023
1392760	KSD	Soil	7	600271	7080973
1392761	KSD	Soil	7	600273	7080922

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1392762	KSD	Soil	7	600274	7080872
1392763	KSD	Soil	7	600276	7080821
1392764	KSD	Soil	7	600278	7080770
1392765	KSD	Soil	7	600280	7080722
1392766	KSD	Soil	7	600281	7080672
1392767	KSD	Soil	7	600284	7080621
1392768	KSD	Soil	7	600286	7080573
1392769	KSD	Soil	7	600288	7080521
1392770	KSD	Soil	7	600290	7080472
1392771	KSD	Soil	7	600290	7080423
1392772	KSD	Soil	7	600293	7080371
1392773	KSD	Soil	7	600192	7080368
1392774	KSD	Soil	7	600191	7080418
1392775	KSD	Soil	7	600191	7080418
1392776	KSD	Soil	7	600185	7080566
1392777	KSD	Soil	7	600185	7080618
1392778	KSD	Soil	7	600181	7080716
1392779	KSD	Soil	7	600174	7080917
1392780	KSD	Soil	7	600170	7081068
1392781	KSD	Soil	7	600163	7081218
1392782	KSD	Soil	7	600157	7081418
1392783	KSD	Soil	7	599893	7080358
1392784	KSD	Soil	7	599891	7080407
1392785	KSD	Soil	7	599889	7080456
1392786	KSD	Soil	7	599888	7080507
1392787	KSD	Soil	7	599886	7080557
1392788	KSD	Soil	7	599885	7080606
1392789	KSD	Soil	7	599882	7080656
1392790	KSD	Soil	7	599882	7080706

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1392791	KSD	Soil	7	599879	7080755
1392792	KSD	Soil	7	599877	7080805
1392793	KSD	Soil	7	599874	7080855
1392794	KSD	Soil	7	599873	7080907
1392795	KSD	Soil	7	599873	7080958
1392796	KSD	Soil	7	599870	7081007
1392797	KSD	Soil	7	599869	7081055
1392798	KSD	Soil	7	599854	7081456
1392799	KSD	Soil	7	599856	7081406
1392800	KSD	Soil	7	599858	7081357
1392802	KSD	Soil	7	599859	7081308
1392803	KSD	Soil	7	599862	7081256
1392804	KSD	Soil	7	599864	7081208
1392805	KSD	Soil	7	599865	7081157
1392806	KSD	Soil	7	599868	7081106
1392876	KSD	Soil	7	599981	7080712
1392877	KSD	Soil	7	599979	7080762
1392878	KSD	Soil	7	599976	7080812
1392879	KSD	Soil	7	599975	7080861
1392880	KSD	Soil	7	599975	7080912
1392881	KSD	Soil	7	599973	7080959
1392882	KSD	Soil	7	599970	7081011
1392883	KSD	Soil	7	599967	7081059
1392884	KSD	Soil	7	599953	7081460
1392885	KSD	Soil	7	599957	7081410
1392886	KSD	Soil	7	599957	7081359
1392887	KSD	Soil	7	599959	7081309
1392888	KSD	Soil	7	599961	7081259
1392889	KSD	Soil	7	599963	7081209

Sample ID	ProjectID	SampleType	UTM_Zone	Easting	Northing
1392890	KSD	Soil	7	599965	7081159
1392891	KSD	Soil	7	599966	7081109
1392952	KSD	Soil	7	599779	7080753
1392953	KSD	Soil	7	599777	7080804
1392954	KSD	Soil	7	599775	7080855
1392955	KSD	Soil	7	599774	7080905
1392956	KSD	Soil	7	599772	7080954
1392957	KSD	Soil	7	599770	7081005
1392958	KSD	Soil	7	599768	7081055
1392959	KSD	Soil	7	599767	7081104
1392960	KSD	Soil	7	599765	7081153
1392961	KSD	Soil	7	599762	7081205
1392962	KSD	Soil	7	599761	7081253
1392963	KSD	Soil	7	599759	7081303
1392964	KSD	Soil	7	599758	7081354
1392965	KSD	Soil	7	599757	7081403
1392966	KSD	Soil	7	599754	7081454
1393098	KSD	Soil	7	598776	7080818
1393099	KSD	Soil	7	598777	7080870
1393100	KSD	Soil	7	598774	7080918
1393126	KSD	Soil	7	599166	7081031

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 02, 2014
Report Date: October 15, 2014
Page: 1 of 12

CERTIFICATE OF ANALYSIS

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CLIENT JOB INFORMATION

Project: BET
Shipment ID: KSD2014-09-25
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure 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
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISP2	320	Heat treatment of Soils and Sediments			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.

CERTIFICATE OF ANALYSIS

WHI14000227.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1354494	Soil	0.3	30.7	10.0	74	0.1	20.9	17.5	704	3.49	9.0	0.8	5.8	2.7	27	0.3	0.5	0.1	68	0.63	0.071
1354495	Soil	0.3	34.8	9.0	80	0.2	20.4	14.6	580	3.84	6.5	0.8	11.1	2.9	25	0.3	0.4	0.1	67	0.54	0.064
1354496	Soil	0.3	37.9	8.4	71	0.1	19.8	15.1	539	3.49	5.8	0.8	28.6	2.6	32	0.2	0.5	<0.1	68	0.64	0.062
1354497	Soil	0.2	44.2	5.3	69	0.1	19.0	25.7	819	4.48	5.4	0.8	5.2	1.4	46	<0.1	0.4	<0.1	89	0.96	0.059
1374226	Soil	0.2	36.5	7.9	69	0.4	11.9	14.8	545	3.96	6.1	0.5	4.6	3.3	10	<0.1	0.2	<0.1	43	0.23	0.048
1354500	Soil	0.1	24.8	13.0	69	0.3	6.8	14.3	918	4.30	5.0	0.4	15.1	2.8	8	<0.1	0.2	<0.1	55	0.27	0.063
1354499	Soil	0.3	32.4	11.9	82	0.4	16.1	12.9	588	3.84	6.5	0.6	10.3	4.1	14	0.2	0.2	<0.1	57	0.37	0.065
1354498	Soil	0.3	84.9	25.2	114	1.1	22.2	20.8	793	4.68	10.1	0.4	505.9	3.3	16	0.7	0.3	<0.1	58	0.44	0.076
1374240	Soil	0.3	56.0	5.7	81	0.2	20.2	23.5	1227	5.19	5.5	0.2	2.4	3.1	9	0.2	0.3	<0.1	71	0.38	0.092
1374241	Soil	0.2	55.2	4.7	66	0.2	29.9	23.5	1260	4.84	3.1	0.2	5.9	1.3	12	<0.1	0.5	<0.1	79	0.35	0.066
1374228	Soil	0.7	92.0	7.2	59	0.5	27.4	22.9	647	4.92	7.6	0.5	44.8	2.2	4	<0.1	0.2	0.1	64	0.08	0.015
1374227	Soil	0.1	75.4	14.7	83	0.3	20.1	22.3	1044	5.50	9.7	0.6	9.6	1.8	9	0.2	0.2	<0.1	76	0.26	0.044
1374239	Soil	0.3	30.7	4.8	65	0.1	14.1	16.8	929	4.35	7.9	0.4	2.5	2.2	13	<0.1	0.4	<0.1	65	0.37	0.077
1374242	Soil	0.7	42.2	8.5	75	<0.1	31.0	14.3	461	4.07	16.6	0.8	2.6	5.2	11	<0.1	0.3	<0.1	56	0.22	0.018
1374243	Soil	0.3	42.1	6.2	75	<0.1	20.2	17.8	670	4.94	18.5	0.4	3.5	2.9	7	<0.1	0.4	<0.1	75	0.22	0.052
1374244	Soil	0.1	60.4	2.1	70	0.1	33.0	26.0	1247	5.17	1.9	0.2	5.0	0.9	12	<0.1	0.3	<0.1	80	0.34	0.056
1374245	Soil	0.2	34.1	4.3	65	<0.1	16.6	20.1	1122	4.52	4.7	0.2	3.0	1.4	14	0.1	0.3	<0.1	60	0.35	0.054
1374246	Soil	0.8	33.0	5.9	68	<0.1	18.4	15.0	586	4.25	7.3	0.7	30.8	2.8	14	0.1	0.5	<0.1	63	0.29	0.041
1374247	Soil	0.3	39.0	5.2	81	0.1	16.5	22.0	1163	5.09	4.5	0.3	2.4	3.0	13	0.2	0.6	<0.1	91	1.78	0.088
1374248	Soil	0.3	29.3	4.0	70	0.1	15.0	12.5	532	3.69	6.7	0.4	0.7	2.3	14	0.1	0.4	<0.1	58	0.37	0.075
1374229	Soil	0.9	62.8	20.4	115	1.3	34.0	16.6	830	4.92	217.9	0.8	21.4	9.5	11	0.4	1.4	0.4	44	0.44	0.137
1374232	Soil	0.2	39.7	7.5	72	0.4	18.7	14.1	740	3.64	7.8	1.3	4.4	3.4	23	0.2	0.3	<0.1	53	0.50	0.053
1374233	Soil	0.3	69.2	8.5	71	0.3	25.7	22.5	965	4.60	5.1	0.5	7.2	1.6	22	0.2	0.4	<0.1	104	0.47	0.042
1374231	Soil	0.3	31.8	8.7	59	0.3	19.2	14.5	609	3.07	9.7	1.2	5.4	2.6	30	0.1	0.5	<0.1	55	0.64	0.082
1374230	Soil	0.2	36.7	8.1	90	2.1	13.3	15.9	970	4.22	13.6	0.5	13.8	5.1	9	0.2	0.5	<0.1	46	0.31	0.086
1374234	Soil	0.5	44.7	5.2	70	0.2	18.9	19.5	491	4.93	7.6	0.6	2.2	1.7	21	0.1	0.4	<0.1	80	0.48	0.065
1374235	Soil	<0.1	40.6	2.8	66	0.2	12.9	15.9	866	4.09	9.1	0.3	4.8	1.8	13	0.1	0.4	<0.1	52	0.44	0.082
1374236	Soil	0.5	34.0	6.4	62	0.3	17.7	13.7	523	3.57	7.4	0.9	8.8	1.8	30	0.1	0.4	<0.1	60	0.80	0.059
1374237	Soil	0.4	32.9	8.6	65	0.2	19.2	13.9	606	3.59	12.2	0.9	7.1	2.8	19	0.1	0.4	<0.1	58	0.52	0.050
1374238	Soil	0.3	31.8	5.4	67	0.3	17.0	13.8	583	4.04	27.1	0.6	5.2	2.8	15	0.2	0.3	<0.1	58	0.40	0.073

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1354494	Soil	12	25	1.34	277	0.025	1	2.01	0.006	0.04	0.2	0.03	7.2	<0.1	<0.05	6	<0.5
1354495	Soil	14	25	1.41	255	0.028	<1	2.07	0.007	0.05	0.2	0.03	7.1	<0.1	<0.05	6	0.8
1354496	Soil	13	23	1.45	224	0.031	<1	2.09	0.006	0.04	0.1	0.03	6.5	<0.1	<0.05	6	0.7
1354497	Soil	8	23	1.69	249	0.021	1	2.32	0.006	0.03	<0.1	0.04	6.6	<0.1	<0.05	7	0.6
1374226	Soil	11	12	1.90	297	0.009	<1	2.28	0.003	0.03	<0.1	<0.01	5.0	<0.1	<0.05	6	<0.5
1354500	Soil	18	8	2.27	341	0.006	<1	2.64	0.003	0.03	<0.1	0.03	6.1	<0.1	<0.05	7	<0.5
1354499	Soil	19	24	2.22	254	0.018	<1	2.75	0.004	0.03	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5
1354498	Soil	15	19	1.86	169	0.009	<1	2.44	0.003	0.05	<0.1	0.04	7.2	<0.1	<0.05	6	<0.5
1374240	Soil	17	25	1.93	119	0.007	<1	2.17	0.002	0.04	<0.1	0.02	11.2	<0.1	<0.05	7	0.8
1374241	Soil	7	50	2.50	121	0.035	1	2.36	0.003	0.04	<0.1	<0.01	11.6	<0.1	<0.05	7	0.6
1374228	Soil	13	19	1.92	112	0.005	<1	2.50	0.002	0.03	<0.1	0.02	10.6	<0.1	<0.05	6	1.0
1374227	Soil	11	21	2.19	172	0.007	<1	2.88	0.004	0.03	<0.1	0.02	9.2	<0.1	<0.05	7	<0.5
1374239	Soil	8	19	1.64	149	0.015	<1	2.14	0.004	0.03	<0.1	<0.01	6.7	<0.1	<0.05	6	<0.5
1374242	Soil	21	36	1.43	295	0.015	<1	2.25	0.004	0.05	<0.1	0.02	8.0	<0.1	<0.05	6	<0.5
1374243	Soil	9	29	2.23	97	0.040	<1	2.76	0.002	0.02	<0.1	0.01	8.0	<0.1	<0.05	7	<0.5
1374244	Soil	4	56	3.05	100	0.031	<1	2.96	0.003	0.04	<0.1	0.02	6.4	<0.1	<0.05	8	<0.5
1374245	Soil	6	26	1.85	145	0.031	2	2.21	0.003	0.04	<0.1	0.01	5.5	<0.1	<0.05	6	<0.5
1374246	Soil	10	26	1.30	234	0.037	<1	2.18	0.006	0.04	<0.1	0.03	6.6	<0.1	<0.05	6	<0.5
1374247	Soil	12	24	0.89	173	0.007	3	1.33	0.005	0.06	<0.1	<0.01	15.8	<0.1	<0.05	5	<0.5
1374248	Soil	9	20	1.41	151	0.032	<1	1.82	0.005	0.04	<0.1	<0.01	5.3	<0.1	<0.05	6	<0.5
1374229	Soil	41	23	1.45	149	0.007	<1	2.13	0.003	0.03	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5
1374232	Soil	13	21	1.60	306	0.022	<1	2.07	0.006	0.04	<0.1	0.03	5.6	<0.1	<0.05	6	1.2
1374233	Soil	6	29	1.83	229	0.037	2	2.52	0.007	0.06	0.1	0.03	10.4	<0.1	<0.05	7	<0.5
1374231	Soil	12	20	1.13	245	0.027	1	1.70	0.009	0.04	0.3	0.03	4.5	<0.1	<0.05	4	<0.5
1374230	Soil	20	14	2.11	139	0.003	<1	2.40	0.004	0.03	<0.1	<0.01	4.9	<0.1	<0.05	6	<0.5
1374234	Soil	7	20	1.54	201	0.031	<1	2.22	0.005	0.04	<0.1	0.04	6.4	<0.1	<0.05	7	0.7
1374235	Soil	15	13	1.66	121	0.007	1	1.99	0.003	0.04	<0.1	<0.01	7.9	<0.1	<0.05	6	<0.5
1374236	Soil	12	20	1.29	263	0.022	1	2.09	0.006	0.04	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5
1374237	Soil	11	22	1.21	225	0.031	<1	2.07	0.006	0.04	<0.1	0.02	4.9	<0.1	<0.05	5	0.6
1374238	Soil	10	21	1.38	156	0.026	2	2.11	0.005	0.03	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1345558	Soil	0.2	108.0	6.4	73	0.3	23.0	23.8	821	5.23	3.3	0.5	14.9	2.2	19	0.2	0.3	<0.1	128	0.46	0.057
1345561	Soil	0.4	56.6	7.4	65	0.3	21.3	16.3	612	4.01	7.6	1.0	7.0	1.6	32	0.2	0.5	<0.1	72	0.71	0.072
1345556	Soil	0.4	41.0	9.0	64	0.3	24.4	13.9	546	3.18	6.8	1.0	3.8	2.9	29	0.2	0.4	<0.1	63	0.58	0.055
1345557	Soil	0.4	49.4	7.6	58	0.1	24.2	17.3	557	3.64	7.6	0.8	32.7	2.9	22	<0.1	0.3	<0.1	70	0.37	0.035
1345560	Soil	0.5	43.1	6.8	63	0.1	19.5	18.4	706	4.23	7.6	0.7	3.5	2.6	19	<0.1	0.4	<0.1	76	0.45	0.052
1345559	Soil	0.3	46.5	6.2	68	0.2	20.2	21.5	724	4.70	6.0	0.6	5.8	1.5	25	0.2	0.2	<0.1	81	0.62	0.067
1345562	Soil	0.5	30.1	7.3	60	0.3	15.7	15.9	693	3.83	8.8	0.6	2.4	2.1	19	<0.1	0.4	0.1	58	0.49	0.054
1345563	Soil	0.5	22.6	6.1	61	0.1	15.4	12.7	493	3.44	8.9	0.4	1.5	2.2	14	<0.1	0.3	<0.1	51	0.31	0.051
1345564	Soil	0.3	39.4	5.2	72	0.2	18.2	16.7	936	4.39	8.9	0.5	3.9	1.9	20	0.2	0.4	<0.1	63	0.55	0.070
1345565	Soil	0.4	33.1	4.4	68	0.2	14.2	14.0	631	3.64	6.8	0.5	3.5	1.6	18	<0.1	0.3	<0.1	55	0.46	0.070
1345566	Soil	0.4	31.6	5.8	70	0.2	15.8	14.9	656	3.62	6.3	0.6	3.9	1.7	28	0.1	0.3	<0.1	60	0.74	0.064
1349348	Soil	0.4	37.9	9.9	74	0.2	18.9	14.3	694	3.83	4.2	0.7	7.7	3.1	19	0.2	0.3	0.1	63	0.45	0.058
1349347	Soil	0.4	38.4	10.9	79	0.2	18.6	14.9	807	3.51	4.7	1.1	11.0	2.5	31	0.4	0.3	0.1	55	0.86	0.077
1349350	Soil	0.4	56.6	5.7	71	0.1	17.4	19.6	869	4.75	3.0	0.4	17.9	1.8	18	<0.1	0.8	<0.1	87	0.36	0.069
1374249	Soil	0.2	97.1	16.2	79	0.6	18.5	19.6	837	4.62	4.9	0.5	38.7	2.6	18	0.2	0.4	<0.1	77	0.45	0.061
1374250	Soil	0.1	54.1	24.8	105	0.4	12.6	14.9	789	4.24	8.0	0.5	26.1	2.9	8	0.3	0.3	<0.1	59	0.23	0.039
1349349	Soil	0.5	41.7	6.7	65	0.2	19.3	15.7	696	3.83	4.0	0.6	4.9	2.5	19	0.1	0.3	0.1	80	0.38	0.055
1349346	Soil	0.8	23.1	9.1	81	0.2	22.1	9.9	605	2.98	32.8	0.9	10.5	2.4	39	0.4	0.3	<0.1	49	0.66	0.112
1345552	Soil	0.2	98.7	6.9	77	0.5	37.6	31.9	1641	6.96	4.6	0.2	4.4	1.4	12	<0.1	0.1	<0.1	141	0.28	0.056
1345553	Soil	0.3	70.4	5.1	63	0.3	20.7	24.5	824	5.57	5.5	0.2	2.4	1.6	6	<0.1	0.2	<0.1	111	0.14	0.026
1345554	Soil	0.2	57.6	10.2	77	0.1	16.0	19.5	966	4.93	13.0	0.4	6.9	3.0	9	0.1	0.2	<0.1	58	0.29	0.064
1345555	Soil	<0.1	85.3	5.4	57	0.6	34.5	22.6	724	3.94	3.9	0.4	4.0	5.0	20	<0.1	<0.1	<0.1	90	0.59	0.075
1345567	Soil	0.2	29.1	3.0	79	0.1	11.0	18.8	888	4.29	2.7	0.3	109.4	0.8	16	0.1	0.5	<0.1	57	0.33	0.055
1345568	Soil	0.2	32.0	4.4	70	<0.1	11.6	13.2	687	4.45	7.5	0.5	7.9	2.0	16	<0.1	0.3	<0.1	56	0.35	0.058
1345569	Soil	0.4	46.7	4.0	69	<0.1	13.5	19.1	786	5.28	14.8	0.4	2.3	1.5	11	<0.1	0.3	<0.1	68	0.24	0.040
1345571	Soil	0.7	31.6	17.2	86	1.7	15.6	24.1	1288	5.10	96.6	0.4	66.7	4.1	13	0.3	0.6	<0.1	52	0.37	0.093
1345570	Soil	0.2	21.6	4.6	80	0.2	8.2	12.7	786	4.58	9.8	0.5	8.2	3.3	8	0.1	0.3	<0.1	55	0.27	0.076
1345572	Soil	0.5	19.0	12.2	73	0.3	6.7	17.9	660	5.16	11.0	0.4	1.3	2.6	5	<0.1	0.4	0.3	73	0.12	0.025
1345573	Soil	0.2	17.9	6.5	70	0.2	6.1	18.3	934	5.36	17.6	0.3	24.2	3.3	4	<0.1	0.2	<0.1	74	0.09	0.031
1345575	Soil	0.9	36.2	4.9	92	0.2	24.9	17.3	714	4.52	9.5	0.7	8.2	4.1	11	0.2	0.4	0.1	74	0.28	0.060

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1345558	Soil	9	26	2.61	229	0.020	<1	2.93	0.007	0.05	<0.1	0.02	16.8	<0.1	<0.05	9	<0.5
1345561	Soil	12	21	1.33	358	0.020	1	2.17	0.006	0.04	0.1	0.04	6.9	<0.1	<0.05	6	1.0
1345556	Soil	13	29	1.10	359	0.032	1	1.91	0.009	0.05	0.2	0.02	6.4	<0.1	<0.05	5	<0.5
1345557	Soil	10	30	1.46	242	0.053	2	1.97	0.010	0.05	<0.1	0.03	7.4	<0.1	<0.05	6	<0.5
1345560	Soil	11	24	1.51	246	0.037	2	2.31	0.007	0.04	<0.1	0.01	7.0	<0.1	<0.05	7	<0.5
1345559	Soil	7	21	1.65	224	0.016	<1	2.26	0.005	0.04	<0.1	0.02	8.2	<0.1	<0.05	7	0.9
1345562	Soil	9	20	1.41	247	0.020	2	2.05	0.006	0.03	0.1	0.02	5.5	<0.1	<0.05	6	<0.5
1345563	Soil	9	22	1.19	192	0.034	1	1.81	0.005	0.03	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5
1345564	Soil	10	26	2.01	179	0.025	<1	2.42	0.005	0.04	<0.1	0.02	8.5	<0.1	<0.05	7	<0.5
1345565	Soil	6	17	1.55	205	0.026	<1	2.02	0.004	0.04	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5
1345566	Soil	8	20	1.32	207	0.024	<1	1.93	0.005	0.04	<0.1	0.01	5.4	<0.1	<0.05	6	<0.5
1349348	Soil	14	26	1.54	248	0.021	1	2.22	0.005	0.04	<0.1	0.03	7.5	<0.1	<0.05	7	<0.5
1349347	Soil	12	20	1.37	245	0.015	2	1.97	0.005	0.05	0.1	0.03	6.1	<0.1	<0.05	6	<0.5
1349350	Soil	9	22	1.78	155	0.033	1	2.34	0.006	0.07	<0.1	0.02	7.6	<0.1	<0.05	8	<0.5
1374249	Soil	13	14	1.66	192	0.011	<1	2.48	0.005	0.05	<0.1	0.03	9.5	<0.1	<0.05	7	0.6
1374250	Soil	17	17	2.29	176	0.011	<1	2.81	0.003	0.03	<0.1	0.04	7.6	<0.1	<0.05	6	0.7
1349349	Soil	10	30	1.67	212	0.029	1	2.33	0.006	0.04	<0.1	0.03	9.0	<0.1	<0.05	7	0.6
1349346	Soil	11	23	1.11	288	0.021	<1	1.58	0.005	0.05	<0.1	0.02	3.3	<0.1	<0.05	5	0.8
1345552	Soil	6	39	3.07	194	0.006	<1	3.42	0.003	0.04	<0.1	0.02	14.9	<0.1	<0.05	11	<0.5
1345553	Soil	4	21	1.71	157	0.022	<1	2.64	0.004	0.03	<0.1	0.01	11.2	<0.1	<0.05	8	<0.5
1345554	Soil	13	14	1.82	181	0.010	<1	2.43	0.004	0.04	<0.1	0.03	6.4	<0.1	<0.05	7	<0.5
1345555	Soil	16	47	2.21	65	0.030	<1	2.15	0.002	0.08	<0.1	<0.01	13.9	<0.1	<0.05	7	<0.5
1345567	Soil	4	17	2.29	104	0.032	<1	2.52	0.003	0.05	<0.1	0.01	4.2	<0.1	<0.05	7	<0.5
1345568	Soil	9	14	1.81	201	0.028	<1	2.36	0.003	0.04	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5
1345569	Soil	3	13	2.21	126	0.031	<1	2.74	0.003	0.04	<0.1	0.01	4.4	<0.1	<0.05	7	<0.5
1345571	Soil	18	10	1.76	140	0.009	<1	2.64	0.003	0.03	<0.1	0.01	5.8	<0.1	<0.05	6	<0.5
1345570	Soil	13	11	2.11	167	0.012	<1	2.53	0.003	0.03	<0.1	0.01	5.8	<0.1	<0.05	8	0.7
1345572	Soil	10	10	2.24	184	0.006	<1	3.26	0.003	0.03	<0.1	0.01	6.5	<0.1	<0.05	8	<0.5
1345573	Soil	23	9	1.85	132	0.012	<1	2.71	0.004	0.04	<0.1	0.03	8.7	<0.1	<0.05	8	<0.5
1345575	Soil	16	30	2.24	355	0.014	<1	2.77	0.003	0.03	<0.1	0.02	6.7	<0.1	<0.05	8	0.7

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1345574	Soil	0.9	27.2	5.6	85	0.3	18.1	17.1	731	4.52	7.3	0.8	9.6	3.7	11	<0.1	0.5	0.1	73	0.28	0.060
1374076	Soil	0.1	17.2	7.7	75	0.2	3.6	21.9	1405	5.14	6.8	0.5	12.1	3.0	12	0.2	0.4	<0.1	71	0.46	0.075
1374077	Soil	0.3	26.5	7.3	73	0.3	7.9	16.5	1119	4.66	5.2	0.5	5.6	2.5	12	<0.1	0.8	<0.1	80	0.34	0.066
1354393	Soil	0.3	34.2	14.0	90	0.2	30.0	13.7	476	3.48	11.3	1.1	6.7	6.0	21	0.3	0.2	0.2	68	0.42	0.099
1354394	Soil	1.1	41.9	11.7	117	0.2	36.5	11.7	390	4.24	34.6	1.3	10.7	5.5	30	0.3	0.3	0.1	64	0.39	0.095
1354395	Soil	0.3	29.3	6.0	109	0.2	17.0	9.8	646	3.91	31.6	1.1	10.1	5.7	22	0.4	0.1	<0.1	52	0.33	0.086
1354396	Soil	0.5	40.4	9.6	75	0.1	24.0	14.0	527	3.66	4.8	0.7	4.1	4.5	16	0.2	0.2	0.1	56	0.40	0.075
1354397	Soil	0.2	37.9	7.4	60	0.1	15.4	14.9	808	4.03	3.4	0.4	7.9	2.3	20	0.2	0.4	<0.1	81	0.39	0.051
1354398	Soil	0.3	115.3	4.7	59	<0.1	20.5	24.3	842	4.16	3.1	0.5	7.8	1.3	23	<0.1	0.5	<0.1	77	0.44	0.047
1354399	Soil	0.5	27.4	9.0	72	<0.1	23.3	10.9	493	2.95	6.1	0.7	2.6	3.6	16	<0.1	0.2	<0.1	48	0.34	0.055
1354400	Soil	0.6	49.6	9.3	57	0.1	23.8	15.0	382	3.63	10.5	0.6	4.6	3.9	15	0.1	0.5	0.1	75	0.19	0.018
1393126	Soil	0.2	58.0	5.2	56	0.2	21.1	16.8	889	2.56	4.9	0.7	5.9	3.6	19	<0.1	0.4	<0.1	49	0.40	0.078
1369752	Soil	0.2	109.3	9.7	89	0.7	19.8	29.2	1510	5.72	11.7	0.3	4.2	2.3	12	0.3	0.2	<0.1	87	0.33	0.082
1369753	Soil	0.3	124.1	13.6	86	0.6	36.7	33.4	1491	6.43	11.7	0.3	38.5	2.3	10	0.3	0.3	0.1	111	0.28	0.068
1369754	Soil	0.1	56.2	15.7	67	0.3	26.0	12.7	514	2.48	3.4	0.5	8.3	5.9	13	0.1	0.2	<0.1	43	0.35	0.086
1369774	Soil	0.6	30.4	7.2	64	0.3	15.8	13.4	652	3.57	8.1	0.8	5.0	2.9	16	<0.1	0.4	<0.1	54	0.40	0.056
1369775	Soil	0.5	30.8	10.1	68	0.3	18.1	12.6	574	3.33	7.4	0.8	4.3	2.9	17	<0.1	0.3	<0.1	53	0.40	0.054
1369773	Soil	0.5	34.8	8.2	63	0.3	18.2	13.5	711	3.23	7.7	1.0	3.9	2.3	28	0.2	0.4	0.1	54	0.73	0.065
1369772	Soil	0.2	33.9	4.0	70	0.3	12.6	22.8	1073	4.97	4.7	0.2	7.6	1.1	13	<0.1	0.2	<0.1	75	0.51	0.078
1369771	Soil	0.1	80.9	1.9	67	<0.1	31.4	22.5	1046	4.64	3.5	0.3	2.6	1.0	17	<0.1	0.4	<0.1	76	0.39	0.055
1369770	Soil	0.2	65.9	3.4	62	<0.1	28.1	23.1	754	4.43	2.5	0.3	7.1	0.9	18	<0.1	0.4	<0.1	75	0.26	0.026
1369769	Soil	1.1	39.6	7.7	85	0.4	19.7	18.6	1023	5.25	48.3	0.5	17.1	4.2	12	<0.1	0.4	<0.1	62	0.41	0.064
1369767	Soil	0.3	33.0	8.8	78	0.3	18.4	16.4	845	3.95	9.5	0.5	3.5	3.1	17	<0.1	0.4	<0.1	53	0.47	0.083
1369768	Soil	0.4	85.1	7.0	71	0.3	33.6	35.5	979	6.25	75.0	0.2	5.3	2.2	18	<0.1	0.4	<0.1	125	1.13	0.044
1369755	Soil	0.4	47.4	8.9	61	0.1	20.8	12.6	419	3.11	4.9	0.9	4.1	3.5	20	<0.1	0.4	<0.1	68	0.41	0.047
1369756	Soil	0.3	77.1	7.3	77	0.2	23.0	23.7	884	5.25	5.6	0.5	16.3	2.2	15	0.1	0.3	<0.1	95	0.40	0.054
1369757	Soil	0.5	118.7	9.6	88	0.3	23.9	21.7	1379	5.41	3.5	0.7	45.2	2.7	20	0.2	0.9	<0.1	101	0.53	0.102
1369758	Soil	0.6	65.2	8.0	77	0.3	20.7	17.9	655	4.48	7.1	0.6	7.1	2.3	21	<0.1	0.6	<0.1	84	0.55	0.058
1369759	Soil	0.4	63.7	6.9	76	0.3	18.9	17.2	751	4.58	6.6	0.6	8.9	1.8	25	0.1	0.5	<0.1	74	0.73	0.062
1369760	Soil	0.5	44.1	7.1	69	0.8	18.8	15.1	788	4.07	7.1	0.7	7.9	2.2	21	<0.1	0.4	<0.1	59	0.56	0.058

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1345574	Soil	16	22	2.05	334	0.011	<1	2.64	0.004	0.03	<0.1	0.02	6.8	<0.1	<0.05	8	<0.5
1374076	Soil	14	5	2.47	165	0.003	<1	2.96	0.002	0.03	<0.1	<0.01	9.4	<0.1	<0.05	7	<0.5
1374077	Soil	13	10	1.97	224	0.013	<1	2.59	0.003	0.02	<0.1	0.03	9.4	<0.1	<0.05	8	<0.5
1354393	Soil	23	47	2.02	273	0.052	1	2.22	0.005	0.07	<0.1	0.02	8.4	<0.1	<0.05	7	<0.5
1354394	Soil	18	34	1.92	246	0.032	<1	2.34	0.005	0.07	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5
1354395	Soil	10	17	0.66	221	0.114	<1	0.94	0.003	0.30	<0.1	0.03	5.7	0.5	<0.05	5	<0.5
1354396	Soil	16	27	1.58	215	0.019	1	2.31	0.005	0.04	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5
1354397	Soil	9	24	1.55	182	0.018	<1	2.22	0.005	0.05	<0.1	0.02	7.6	<0.1	<0.05	7	<0.5
1354398	Soil	4	22	1.78	222	0.087	<1	2.17	0.006	0.05	<0.1	0.02	5.2	<0.1	<0.05	7	0.7
1354399	Soil	10	27	1.00	223	0.027	1	1.78	0.005	0.04	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5
1354400	Soil	11	31	0.91	247	0.050	<1	2.14	0.006	0.04	0.1	0.02	4.7	<0.1	<0.05	6	0.8
1393126	Soil	12	12	1.03	111	0.023	<1	1.25	0.005	0.05	<0.1	0.02	6.6	<0.1	<0.05	5	<0.5
1369752	Soil	10	22	2.28	105	0.022	2	2.77	0.003	0.04	<0.1	0.01	12.3	<0.1	<0.05	8	<0.5
1369753	Soil	7	42	2.50	134	0.010	2	2.83	0.003	0.05	<0.1	0.02	14.6	<0.1	<0.05	9	<0.5
1369754	Soil	17	17	1.10	121	0.035	1	1.35	0.007	0.06	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5
1369774	Soil	13	20	1.21	246	0.023	2	2.00	0.005	0.03	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5
1369775	Soil	14	21	1.19	276	0.024	2	2.03	0.005	0.04	<0.1	0.03	5.0	<0.1	<0.05	6	<0.5
1369773	Soil	13	20	1.11	305	0.019	2	2.00	0.006	0.04	<0.1	0.03	5.1	<0.1	<0.05	6	0.6
1369772	Soil	5	23	1.81	55	0.014	2	2.29	0.002	0.02	<0.1	0.02	9.1	<0.1	<0.05	6	<0.5
1369771	Soil	3	58	2.13	121	0.032	<1	2.47	0.004	0.02	<0.1	0.01	6.8	<0.1	<0.05	6	0.7
1369770	Soil	5	67	2.22	98	0.052	<1	2.54	<0.001	0.02	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5
1369769	Soil	25	22	1.95	71	0.004	2	2.76	0.003	0.02	<0.1	0.02	6.5	<0.1	<0.05	7	<0.5
1369767	Soil	15	23	1.61	148	0.014	1	2.02	0.004	0.04	<0.1	0.01	6.3	<0.1	<0.05	6	<0.5
1369768	Soil	12	44	2.60	50	0.004	<1	3.12	0.002	0.01	<0.1	0.01	17.1	<0.1	<0.05	9	0.8
1369755	Soil	12	24	1.17	249	0.035	2	1.95	0.007	0.05	0.1	0.01	6.6	<0.1	<0.05	6	<0.5
1369756	Soil	7	29	1.93	146	0.018	1	2.56	0.004	0.04	<0.1	<0.01	11.7	<0.1	<0.05	8	<0.5
1369757	Soil	11	18	1.62	356	0.019	<1	2.57	0.007	0.05	<0.1	0.03	8.6	<0.1	<0.05	8	<0.5
1369758	Soil	10	20	1.47	235	0.027	2	2.22	0.005	0.04	<0.1	0.02	7.5	<0.1	<0.05	7	<0.5
1369759	Soil	10	23	1.83	236	0.016	1	2.47	0.005	0.05	<0.1	0.04	8.8	<0.1	<0.05	6	1.3
1369760	Soil	13	20	1.50	277	0.018	1	2.19	0.005	0.04	<0.1	0.03	6.4	<0.1	<0.05	6	<0.5

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1369761	Soil	0.4	39.2	9.1	63	0.3	19.4	16.7	689	3.57	7.8	1.0	8.0	2.9	22	0.1	0.4	0.1	57	0.56	0.062
1369762	Soil	0.3	39.6	4.1	72	0.1	13.2	17.1	736	4.40	5.2	0.4	7.2	1.4	9	<0.1	0.3	<0.1	52	0.23	0.045
1369763	Soil	<0.1	27.4	7.3	68	0.9	11.3	16.7	883	3.95	1.7	0.1	5.0	0.8	9	<0.1	0.1	<0.1	40	0.26	0.069
1369764	Soil	0.1	31.7	5.5	57	<0.1	12.9	14.0	749	3.77	4.1	0.3	6.3	2.4	7	<0.1	0.2	<0.1	40	0.21	0.050
1369765	Soil	0.7	59.2	11.2	125	0.5	25.9	16.0	611	4.25	11.2	0.7	6.4	3.7	9	<0.1	0.5	<0.1	51	0.22	0.047
1369766	Soil	0.7	52.2	9.4	88	0.4	24.1	19.2	878	4.77	6.2	0.5	15.6	3.7	7	<0.1	0.6	<0.1	53	0.19	0.046
1392770	Soil	0.7	47.9	8.6	86	0.2	7.9	16.5	1094	4.77	2.3	0.7	6.4	3.3	14	<0.1	0.2	0.1	78	0.32	0.067
1392763	Soil	0.8	45.3	12.6	88	0.1	28.3	12.6	684	3.94	142.2	0.8	9.1	5.5	10	0.2	0.3	<0.1	36	0.27	0.096
1392771	Soil	0.7	20.1	6.4	68	<0.1	11.7	11.9	552	3.55	4.1	0.8	5.7	2.9	11	<0.1	0.3	<0.1	65	0.21	0.032
1392781	Soil	1.3	28.6	13.3	82	0.2	25.8	11.5	414	3.29	126.5	0.8	14.8	4.1	13	<0.1	0.4	0.1	49	0.15	0.049
1392776	Soil	0.8	20.1	9.3	94	<0.1	10.7	27.2	1268	6.20	6.3	0.5	4.2	2.8	8	<0.1	0.1	0.2	109	0.14	0.039
1392782	Soil	3.8	23.2	23.6	91	0.3	36.8	23.3	879	3.44	33.6	2.4	14.6	7.6	26	0.4	0.4	0.2	34	0.33	0.110
1392777	Soil	5.5	52.3	67.1	108	0.7	47.4	21.1	1196	4.57	63.6	1.4	4.6	6.5	12	0.6	0.2	0.7	15	0.17	0.093
1392779	Soil	1.0	28.8	11.6	70	0.2	14.5	14.5	559	4.00	13.4	0.8	5.4	4.1	7	<0.1	0.4	<0.1	51	0.11	0.016
1392765	Soil	0.9	29.3	13.9	108	<0.1	8.8	17.4	617	4.14	5.4	0.6	7.7	3.1	5	0.2	0.3	<0.1	36	0.08	0.016
1392768	Soil	0.5	32.0	10.9	83	<0.1	19.2	13.3	569	3.39	10.4	1.0	2.7	4.3	12	<0.1	0.4	0.2	45	0.28	0.078
1392766	Soil	0.4	25.0	5.2	61	<0.1	12.6	17.7	615	4.23	4.9	0.4	4.0	2.1	4	<0.1	0.3	<0.1	73	0.07	0.018
1392778	Soil	0.2	49.2	4.9	74	<0.1	11.4	16.1	986	3.99	2.6	0.4	3.6	1.6	20	<0.1	0.4	<0.1	59	0.37	0.081
1392758	Soil	1.3	33.2	15.2	81	0.2	16.9	19.3	858	4.70	13.9	0.7	11.3	3.3	16	0.2	0.3	0.2	47	0.28	0.060
1354324	Soil	2.7	37.6	26.5	114	0.5	18.9	11.1	385	3.54	8.7	1.6	9.1	3.5	17	0.4	0.3	0.2	48	0.26	0.093
1392753	Soil	1.2	34.2	14.9	127	0.3	20.0	13.8	552	3.24	10.7	1.1	10.0	7.8	14	0.4	0.2	0.2	25	0.25	0.097
1392757	Soil	1.2	31.5	15.9	83	0.2	25.9	12.6	462	3.50	40.4	0.8	8.3	4.5	13	<0.1	0.3	0.2	49	0.22	0.055
1392754	Soil	1.0	43.9	10.9	88	<0.1	28.3	17.2	466	3.85	41.2	1.0	14.7	5.7	11	<0.1	0.4	0.1	60	0.14	0.033
1392761	Soil	0.9	33.7	11.6	71	0.2	20.9	13.7	612	3.86	18.5	0.8	7.0	4.8	7	<0.1	0.3	<0.1	48	0.10	0.026
1392760	Soil	1.0	35.3	26.5	70	0.3	21.0	18.9	1477	3.78	11.6	0.7	15.9	4.7	10	0.2	0.2	0.2	48	0.26	0.064
1392764	Soil	0.3	43.5	7.2	70	<0.1	12.8	18.2	805	4.80	18.9	0.4	8.1	2.7	4	<0.1	0.1	<0.1	44	0.12	0.040
1392762	Soil	1.0	28.2	10.8	67	0.1	19.5	12.8	508	3.65	37.7	0.8	10.7	4.3	9	<0.1	0.4	<0.1	50	0.14	0.028
1392756	Soil	0.9	26.3	13.3	74	0.2	23.7	9.9	326	3.25	134.6	0.6	11.5	3.9	12	<0.1	0.3	0.1	50	0.13	0.054
1392751	Rock Pulp	2.1	23.0	2.3	40	0.3	22.9	10.0	375	2.31	4.7	0.3	2.2	0.9	38	0.2	0.3	<0.1	65	0.83	0.053
1392759	Soil	0.8	31.7	12.7	75	0.1	18.8	13.2	638	3.72	44.5	0.7	49.3	3.8	11	<0.1	0.4	0.1	56	0.17	0.038

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1369761	Soil	15	20	1.22	285	0.020	2	2.03	0.006	0.04	0.1	0.03	5.6	<0.1	<0.05	5	<0.5
1369762	Soil	9	18	1.72	98	0.040	1	2.35	0.005	0.03	<0.1	0.03	5.5	<0.1	<0.05	6	<0.5
1369763	Soil	4	13	1.84	49	0.039	1	2.08	0.001	0.03	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5
1369764	Soil	8	11	1.56	62	0.031	1	1.97	0.002	0.03	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5
1369765	Soil	18	31	1.70	144	0.036	2	2.32	0.002	0.02	<0.1	0.01	4.4	<0.1	<0.05	6	0.8
1369766	Soil	24	26	1.97	163	0.016	1	2.47	0.002	0.03	<0.1	0.03	6.4	<0.1	<0.05	7	1.2
1392770	Soil	17	6	1.70	276	0.032	2	2.24	0.003	0.08	<0.1	0.02	9.4	<0.1	<0.05	8	<0.5
1392763	Soil	14	22	1.24	144	0.007	1	1.86	0.002	0.03	<0.1	0.03	5.1	<0.1	<0.05	4	<0.5
1392771	Soil	11	15	1.36	240	0.039	<1	1.95	0.004	0.05	<0.1	0.02	7.6	<0.1	<0.05	7	<0.5
1392781	Soil	19	29	1.33	234	0.022	2	2.01	0.004	0.05	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5
1392776	Soil	9	15	3.12	182	0.061	3	3.12	0.002	0.11	<0.1	<0.01	14.4	0.1	<0.05	9	<0.5
1392782	Soil	28	23	1.17	706	0.002	2	1.68	0.003	0.08	<0.1	0.03	5.5	<0.1	<0.05	4	<0.5
1392777	Soil	15	8	0.12	109	<0.001	1	0.31	0.002	0.04	<0.1	0.02	2.3	<0.1	<0.05	<1	1.0
1392779	Soil	13	20	1.41	160	0.016	1	2.22	0.004	0.04	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5
1392765	Soil	10	9	1.46	151	0.006	<1	2.16	0.002	0.03	<0.1	0.01	4.8	<0.1	<0.05	5	0.8
1392768	Soil	12	16	1.03	214	0.012	<1	1.35	0.003	0.04	<0.1	0.01	5.7	<0.1	<0.05	4	<0.5
1392766	Soil	4	24	2.08	144	0.016	1	2.75	0.002	0.03	<0.1	0.02	6.8	<0.1	<0.05	7	<0.5
1392778	Soil	9	16	2.16	75	0.004	2	2.48	0.003	0.03	<0.1	0.01	5.3	<0.1	<0.05	7	0.6
1392758	Soil	12	16	1.85	269	0.007	<1	2.22	0.004	0.06	<0.1	0.02	6.0	<0.1	<0.05	6	0.6
1354324	Soil	24	22	1.24	384	0.008	<1	1.94	0.004	0.06	<0.1	0.07	4.8	<0.1	<0.05	6	<0.5
1392753	Soil	22	17	1.14	351	0.009	<1	1.60	0.004	0.05	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1392757	Soil	16	25	1.42	260	0.015	<1	1.96	0.006	0.05	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5
1392754	Soil	24	39	1.55	205	0.049	<1	2.02	0.004	0.04	0.1	0.03	8.5	<0.1	<0.05	6	<0.5
1392761	Soil	15	22	1.12	188	0.018	<1	2.09	0.004	0.03	<0.1	0.04	4.6	<0.1	<0.05	5	0.8
1392760	Soil	13	13	1.53	184	0.007	<1	1.94	0.003	0.04	<0.1	0.01	6.3	<0.1	<0.05	5	<0.5
1392764	Soil	9	10	1.35	101	0.004	<1	2.04	0.002	0.02	<0.1	0.02	8.2	<0.1	<0.05	5	<0.5
1392762	Soil	14	24	1.11	203	0.023	<1	2.14	0.006	0.03	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5
1392756	Soil	17	27	1.36	206	0.021	<1	2.05	0.005	0.05	<0.1	0.02	3.8	<0.1	<0.05	5	0.5
1392751	Rock Pulp	4	30	0.75	88	0.122	1	1.47	0.071	0.11	11.8	0.01	4.7	<0.1	<0.05	4	<0.5
1392759	Soil	13	21	1.34	222	0.023	<1	2.15	0.004	0.04	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1392752	Soil	1.3	67.3	19.7	179	0.4	15.7	18.9	490	5.25	12.6	1.3	25.2	4.6	6	0.3	0.3	0.2	47	0.07	0.057
1392755	Soil	1.3	24.9	13.9	76	0.2	21.9	9.0	314	3.09	87.5	1.0	92.3	3.9	12	0.2	0.2	0.1	48	0.14	0.053
1354325	Soil	6.4	52.8	36.5	90	0.8	21.0	13.7	469	4.45	10.1	2.0	9.9	2.8	20	0.5	0.3	0.2	55	0.32	0.098
1354323	Soil	0.9	61.8	6.9	71	0.2	11.7	18.1	1332	4.04	9.8	1.2	14.3	6.3	3	0.3	0.3	0.6	20	0.05	0.064
1392767	Soil	0.1	30.8	4.5	55	<0.1	8.4	13.4	869	3.22	2.0	0.4	5.3	1.4	8	<0.1	0.2	<0.1	36	0.15	0.048
1392773	Soil	0.4	23.7	6.7	62	0.1	12.8	12.3	489	3.68	4.5	0.4	4.4	2.7	5	<0.1	0.2	<0.1	45	0.08	0.021
1392769	Soil	0.3	11.7	3.6	92	<0.1	3.6	6.7	817	3.71	3.0	0.8	8.1	5.1	12	<0.1	0.2	<0.1	14	0.28	0.091
1392775	Soil	0.2	13.3	2.9	67	<0.1	4.7	15.6	684	3.67	1.5	0.5	3.6	1.0	17	<0.1	0.4	<0.1	54	0.24	0.050
1392780	Soil	1.1	24.5	13.9	69	0.1	15.8	15.2	575	3.79	39.9	0.4	5.2	3.3	5	<0.1	0.3	0.1	57	0.09	0.027
1392772	Soil	0.7	34.7	6.7	84	<0.1	7.9	19.6	1099	5.01	3.4	0.5	8.0	3.1	8	0.1	0.2	<0.1	46	0.21	0.051
1392774	Soil	<0.1	16.6	3.4	69	<0.1	4.9	17.3	788	4.03	1.7	0.6	4.2	1.4	14	<0.1	0.5	<0.1	69	0.22	0.044
1392784	Soil	2.8	77.8	56.4	608	1.6	32.0	17.0	562	4.21	129.8	0.9	10.9	6.1	10	6.1	1.4	0.3	37	0.27	0.101
1392785	Soil	0.4	13.7	10.9	70	<0.1	4.5	9.5	999	3.02	3.2	0.6	16.7	4.6	6	<0.1	0.2	0.1	27	0.21	0.091
1392790	Soil	0.3	56.6	5.0	66	0.1	10.1	14.4	572	4.05	2.6	0.2	8.0	1.7	4	<0.1	0.2	<0.1	57	0.09	0.021
1392793	Soil	0.5	69.5	7.9	67	0.3	22.6	25.1	1003	5.01	17.1	0.5	3.7	2.1	17	<0.1	0.3	0.1	100	0.41	0.032
1392791	Soil	0.5	90.6	9.8	63	<0.1	22.7	28.6	890	5.37	11.8	0.6	7.8	2.5	5	<0.1	0.4	0.2	92	0.09	0.021
1392796	Soil	0.1	51.8	7.3	62	<0.1	10.6	19.3	886	4.76	2.7	0.5	7.9	3.0	4	<0.1	0.2	<0.1	66	0.07	0.017
1392783	Soil	1.5	54.8	12.1	103	0.7	33.2	19.6	750	4.44	12.7	0.7	11.1	7.0	10	0.2	0.5	0.2	43	0.36	0.096
1392798	Soil	0.9	44.0	15.1	109	0.5	37.7	21.1	460	4.44	56.4	2.0	7.0	5.7	35	0.5	0.3	0.1	72	0.49	0.077
1392792	Soil	0.5	33.5	7.7	49	0.1	20.4	11.8	444	2.72	9.3	0.8	5.4	4.0	14	<0.1	0.4	0.1	55	0.23	0.028
1392799	Soil	1.2	32.2	18.8	115	0.3	31.4	18.3	728	4.52	33.4	0.9	6.4	3.9	17	0.2	<0.1	0.1	71	0.24	0.096
1392802	Soil	1.7	41.5	15.8	94	0.3	31.7	15.1	506	4.03	119.9	0.5	8.8	4.8	15	0.1	0.2	0.1	51	0.22	0.073
1392800	Soil	1.7	32.8	15.6	96	0.3	27.1	12.6	425	3.67	64.4	0.8	7.5	2.7	14	0.2	0.2	0.1	53	0.17	0.076
1392806	Soil	<0.1	15.6	7.6	73	<0.1	5.1	16.2	953	4.49	2.9	0.3	2.3	2.8	7	0.1	<0.1	<0.1	58	0.18	0.065
1392797	Soil	0.4	32.2	8.0	70	<0.1	10.6	14.5	892	4.33	5.2	0.5	80.8	3.2	9	<0.1	0.2	<0.1	45	0.14	0.042
1392788	Soil	0.2	14.9	9.2	73	<0.1	6.5	21.2	1054	4.85	9.5	0.7	6.7	1.6	21	<0.1	0.5	<0.1	109	0.21	0.039
1392789	Soil	<0.1	26.3	2.8	70	<0.1	9.9	18.6	1006	4.90	2.0	0.5	6.9	1.5	5	<0.1	0.2	<0.1	82	0.12	0.031
1392805	Soil	0.3	30.7	6.9	63	<0.1	10.0	17.5	769	4.07	4.5	0.4	<0.5	3.5	3	<0.1	0.1	<0.1	54	0.09	0.037
1392786	Soil	0.4	17.5	4.9	79	<0.1	12.2	18.1	1008	5.05	5.5	0.7	2.9	3.0	11	<0.1	0.3	<0.1	114	0.17	0.036
1392803	Soil	0.7	45.4	21.3	81	0.7	29.0	21.0	1106	3.17	34.0	0.9	5.7	3.0	28	0.5	0.2	0.2	46	0.69	0.090

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1392752	Soil	15	19	1.84	212	0.006	<1	2.33	0.003	0.03	<0.1	0.07	7.0	<0.1	<0.05	6	1.0
1392755	Soil	19	29	1.17	227	0.026	<1	1.90	0.005	0.06	<0.1	0.02	3.6	<0.1	<0.05	6	0.7
1354325	Soil	25	24	1.13	717	0.006	<1	2.03	0.005	0.06	<0.1	0.06	4.6	<0.1	<0.05	6	0.6
1354323	Soil	16	9	0.91	101	0.007	<1	1.29	0.002	0.02	<0.1	0.04	3.8	<0.1	<0.05	3	0.7
1392767	Soil	6	9	2.01	51	0.024	<1	2.07	0.002	0.03	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5
1392773	Soil	9	17	1.33	123	0.017	<1	2.30	0.004	0.03	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5
1392769	Soil	18	4	1.63	166	0.042	<1	1.93	0.002	0.10	<0.1	<0.01	6.2	<0.1	<0.05	6	<0.5
1392775	Soil	5	6	1.75	69	0.048	<1	1.77	0.002	0.03	<0.1	0.01	6.4	<0.1	<0.05	6	<0.5
1392780	Soil	10	18	1.44	110	0.015	<1	2.37	0.003	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	0.5
1392772	Soil	11	9	1.36	171	0.007	<1	1.95	0.002	0.05	<0.1	0.03	7.4	<0.1	<0.05	5	<0.5
1392774	Soil	8	7	1.79	107	0.034	<1	1.96	0.002	0.03	<0.1	<0.01	7.3	<0.1	<0.05	6	0.6
1392784	Soil	18	16	0.31	79	<0.001	<1	0.58	0.002	0.04	<0.1	0.14	4.6	0.1	<0.05	3	1.1
1392785	Soil	20	6	0.91	230	0.010	<1	1.56	0.004	0.06	<0.1	0.01	5.2	<0.1	<0.05	5	<0.5
1392790	Soil	7	12	1.64	122	0.016	<1	2.41	0.003	0.03	<0.1	0.01	5.2	<0.1	<0.05	6	<0.5
1392793	Soil	8	25	1.66	217	0.019	<1	2.97	0.007	0.03	<0.1	0.03	9.8	<0.1	<0.05	8	<0.5
1392791	Soil	6	22	1.98	106	0.077	<1	2.71	0.002	0.04	<0.1	<0.01	9.2	<0.1	<0.05	7	0.8
1392796	Soil	13	13	2.50	124	0.006	<1	3.03	0.002	0.03	<0.1	0.05	9.0	<0.1	<0.05	7	<0.5
1392783	Soil	23	28	1.33	123	0.007	<1	1.79	0.003	0.03	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5
1392798	Soil	27	48	2.25	348	0.006	<1	2.80	0.004	0.07	<0.1	0.03	9.5	<0.1	<0.05	7	1.0
1392792	Soil	16	27	0.75	234	0.046	<1	1.58	0.008	0.04	0.2	0.02	5.8	<0.1	<0.05	4	0.5
1392799	Soil	24	46	3.22	128	0.009	<1	3.03	0.002	0.05	<0.1	<0.01	5.3	<0.1	<0.05	8	1.1
1392802	Soil	17	30	2.14	202	0.006	<1	2.51	0.003	0.05	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5
1392800	Soil	21	32	1.84	184	0.010	<1	2.36	0.003	0.06	<0.1	0.01	2.8	<0.1	<0.05	6	0.8
1392806	Soil	13	6	2.20	95	0.005	<1	2.45	0.002	0.02	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5
1392797	Soil	13	13	1.29	189	0.015	1	2.07	0.006	0.04	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5
1392788	Soil	7	7	1.69	144	0.030	1	2.07	0.006	0.06	<0.1	<0.01	11.1	<0.1	<0.05	8	0.5
1392789	Soil	13	26	2.50	76	0.022	<1	2.87	0.003	0.03	<0.1	<0.01	9.8	<0.1	<0.05	8	<0.5
1392805	Soil	11	12	2.17	62	0.008	<1	2.67	0.002	0.02	<0.1	<0.01	4.1	<0.1	<0.05	7	<0.5
1392786	Soil	10	18	2.26	227	0.060	<1	2.78	0.006	0.06	<0.1	<0.01	15.6	<0.1	<0.05	9	0.5
1392803	Soil	15	20	1.50	359	0.006	<1	2.17	0.006	0.06	<0.1	0.03	4.4	<0.1	<0.05	6	0.7

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1392801	Rock Pulp	1.1	560.2	20.9	67	0.2	275.3	98.6	980	18.98	3.5	1.2	35.9	7.6	15	<0.1	0.2	0.2	233	0.43
1392787	Soil	0.2	16.7	4.7	83	<0.1	5.9	22.9	1246	5.93	3.2	0.6	3.5	2.3	7	<0.1	0.3	<0.1	109	0.13
1392795	Soil	0.1	50.8	3.3	58	<0.1	13.3	14.7	754	3.14	2.6	0.2	5.0	1.1	10	<0.1	0.3	<0.1	47	0.15
1392794	Soil	<0.1	89.7	3.1	67	0.3	23.3	27.2	1185	5.75	3.5	0.2	5.2	1.5	10	<0.1	<0.1	<0.1	128	0.32
1357018	Soil	0.3	30.0	8.2	61	0.2	14.2	15.5	942	2.92	7.1	0.6	12.9	2.0	27	0.2	0.3	<0.1	53	0.79
1357019	Soil	0.3	36.1	11.4	75	0.5	16.9	15.6	505	4.06	8.8	1.0	11.1	3.2	22	0.2	0.5	0.1	68	0.58
1392804	Soil	1.4	31.8	21.6	97	0.4	17.3	20.7	1147	5.09	580.3	0.6	30.9	4.7	10	0.5	0.8	0.1	53	0.23
1357017	Soil	0.5	31.2	13.4	74	0.2	16.9	14.4	811	2.90	7.8	0.8	8.2	2.3	30	0.2	0.4	<0.1	60	0.71
1357016	Soil	0.5	27.3	11.3	88	0.2	17.0	16.7	566	3.73	9.5	0.5	11.0	2.4	25	0.2	0.3	<0.1	61	0.56
1357015	Soil	0.3	39.2	12.9	95	0.1	34.9	19.1	431	4.14	16.3	1.0	3.2	6.2	28	0.2	0.2	0.1	69	0.47
1354918	Soil	0.5	37.1	7.8	58	0.2	19.5	12.2	406	3.13	8.0	0.6	4.5	3.2	12	0.1	0.3	<0.1	65	0.20
1357011	Soil	0.4	57.8	13.5	94	0.4	31.0	16.1	628	3.78	20.6	0.8	14.3	4.4	23	0.4	0.5	0.1	61	0.54
1354920	Soil	<0.1	34.0	9.6	28	<0.1	17.0	6.6	183	0.89	3.3	1.3	1.9	5.0	18	<0.1	0.2	<0.1	13	0.31
1357014	Soil	0.5	25.4	14.8	93	0.1	20.8	11.9	349	3.01	8.9	1.0	3.2	7.3	32	0.3	0.2	0.1	48	0.46
1357013	Soil	1.6	46.7	15.5	115	0.3	50.3	15.8	592	4.38	22.2	1.1	1.7	7.1	31	0.5	<0.1	0.1	55	0.47
1354915	Soil	0.4	40.1	6.7	55	0.1	21.0	12.8	390	2.69	6.0	0.6	1.2	3.9	17	<0.1	0.2	<0.1	56	0.32
1357010	Soil	0.6	31.0	9.7	81	0.4	25.4	12.5	520	3.31	16.3	0.9	6.9	4.2	20	0.1	0.4	0.1	57	0.41
1354904	Soil	0.3	31.2	6.7	63	0.3	17.0	17.4	710	3.55	7.8	0.4	0.8	2.3	20	0.1	0.2	<0.1	59	0.61
1357040	Soil	1.0	37.7	36.1	167	0.4	21.9	15.9	617	3.53	28.9	0.9	7.9	3.7	31	1.0	0.4	0.1	48	0.59
1357049	Soil	1.3	54.1	18.3	143	0.3	32.3	26.5	553	4.01	16.2	1.4	3.7	6.1	31	0.5	0.4	0.1	56	0.66
1357007	Soil	0.7	19.6	9.5	57	0.3	17.3	13.3	722	2.98	13.4	1.2	4.4	3.4	27	<0.1	0.4	0.1	56	0.66
1354914	Soil	0.4	82.1	5.7	64	0.1	18.8	24.0	857	5.01	4.8	0.6	3.5	1.9	12	<0.1	0.2	<0.1	104	0.28
1357035	Soil	1.5	28.7	11.5	94	0.3	25.4	11.8	562	3.86	19.2	0.6	2.5	4.2	18	0.6	0.3	<0.1	55	0.27
1357050	Soil	1.0	69.5	18.8	241	0.6	18.5	23.8	1282	4.72	57.1	1.5	17.9	4.5	26	2.5	0.3	0.2	55	0.62
1354913	Soil	0.5	101.3	10.9	87	0.4	26.2	33.1	1599	6.69	16.3	0.7	10.6	1.8	15	0.4	0.2	<0.1	151	0.37
1357012	Soil	0.5	24.9	9.6	76	0.2	17.5	13.8	546	3.13	12.2	0.8	10.2	3.0	21	0.2	0.4	<0.1	61	0.45
1357006	Soil	0.8	23.1	12.4	72	0.2	18.7	13.2	415	2.98	15.0	0.9	8.0	3.8	30	0.4	0.4	0.1	51	0.75
1354917	Soil	0.3	52.9	8.7	73	0.4	18.1	17.7	795	4.08	7.5	0.6	9.0	2.7	19	<0.1	0.3	<0.1	63	0.37
1357004	Soil	0.5	9.4	9.0	75	0.2	14.3	9.1	318	2.54	9.3	0.6	1.8	3.2	17	<0.1	0.2	0.1	47	0.33
1354905	Soil	0.1	32.1	9.9	69	0.2	12.3	15.8	917	4.36	4.3	0.4	3.1	2.9	6	<0.1	0.2	<0.1	54	0.21

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1392801	Rock Pulp	18	781	0.16	164	0.175	5	4.21	0.015	0.08	<0.1	0.02	47.1	<0.1	<0.05	20	1.0
1392787	Soil	7	8	2.91	188	0.028	<1	2.98	0.004	0.04	<0.1	<0.01	15.6	<0.1	<0.05	10	<0.5
1392795	Soil	5	18	1.76	59	0.056	<1	2.23	0.004	0.02	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5
1392794	Soil	8	24	3.03	39	0.005	<1	3.16	0.003	0.03	<0.1	<0.01	13.4	<0.1	<0.05	9	<0.5
1357018	Soil	9	16	1.29	248	0.022	1	1.85	0.007	0.03	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1357019	Soil	14	19	1.53	334	0.027	<1	2.43	0.008	0.03	<0.1	0.02	7.1	<0.1	<0.05	6	<0.5
1392804	Soil	16	14	1.34	174	0.010	<1	2.22	0.005	0.04	<0.1	0.02	6.3	<0.1	<0.05	6	0.9
1357017	Soil	11	21	1.18	299	0.026	<1	1.90	0.009	0.03	0.1	0.04	5.1	<0.1	<0.05	5	<0.5
1357016	Soil	9	19	1.40	188	0.021	<1	1.92	0.007	0.04	0.1	0.03	5.1	<0.1	<0.05	6	0.8
1357015	Soil	20	48	2.49	94	0.076	<1	2.25	0.004	0.06	<0.1	<0.01	8.0	<0.1	<0.05	7	<0.5
1354918	Soil	12	27	1.09	251	0.024	<1	2.12	0.007	0.04	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5
1357011	Soil	17	26	1.71	250	0.024	<1	2.33	0.008	0.05	<0.1	0.02	6.1	<0.1	<0.05	7	<0.5
1354920	Soil	15	8	0.38	120	0.038	<1	0.56	0.005	0.06	<0.1	<0.01	3.3	<0.1	<0.05	2	0.5
1357014	Soil	20	26	1.43	156	0.096	<1	1.66	0.006	0.19	<0.1	0.02	6.5	0.2	<0.05	6	<0.5
1357013	Soil	22	35	2.56	139	0.058	<1	2.42	0.005	0.07	<0.1	0.01	3.0	<0.1	<0.05	6	0.5
1354915	Soil	11	22	0.99	157	0.031	<1	1.49	0.009	0.05	0.1	0.01	5.9	<0.1	<0.05	5	<0.5
1357010	Soil	18	24	1.44	312	0.027	<1	2.35	0.008	0.05	<0.1	0.04	5.1	<0.1	<0.05	6	0.6
1354904	Soil	10	19	1.39	137	0.017	<1	2.03	0.006	0.03	<0.1	0.01	6.4	<0.1	<0.05	5	<0.5
1357040	Soil	13	29	1.62	310	0.030	<1	1.99	0.006	0.04	<0.1	0.38	4.8	<0.1	<0.05	5	0.8
1357049	Soil	16	37	1.84	162	0.082	<1	1.86	0.006	0.06	<0.1	0.16	8.2	<0.1	<0.05	5	1.1
1357007	Soil	14	20	0.98	451	0.034	1	2.02	0.010	0.04	0.1	0.03	5.3	<0.1	<0.05	6	<0.5
1354914	Soil	6	16	1.96	158	0.017	<1	2.55	0.006	0.03	<0.1	0.02	11.6	<0.1	<0.05	8	0.5
1357035	Soil	14	30	1.64	379	0.016	<1	2.26	0.007	0.05	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5
1357050	Soil	14	20	1.88	231	0.004	<1	2.44	0.006	0.04	<0.1	0.03	7.8	<0.1	<0.05	6	1.5
1354913	Soil	5	26	1.62	180	0.010	<1	2.30	0.006	0.04	<0.1	0.01	22.0	<0.1	<0.05	8	<0.5
1357012	Soil	11	22	1.41	244	0.024	<1	2.06	0.007	0.04	0.1	0.03	5.1	<0.1	<0.05	6	<0.5
1357006	Soil	15	20	0.96	285	0.041	1	1.80	0.011	0.04	0.1	0.02	4.7	<0.1	<0.05	5	<0.5
1354917	Soil	9	19	1.44	178	0.052	<1	2.27	0.010	0.06	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5
1357004	Soil	11	21	1.10	110	0.040	1	1.69	0.007	0.04	0.2	0.02	3.2	<0.1	<0.05	6	<0.5
1354905	Soil	8	12	1.90	83	0.005	<1	2.47	0.003	0.03	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1357003	Soil	0.8	26.5	9.4	78	0.2	19.2	16.0	776	3.20	12.3	1.0	12.9	2.3	28	0.2	0.5	0.1	56	0.63
1357005	Soil	0.8	18.3	13.2	72	0.3	16.5	12.0	582	2.82	18.5	1.0	3.5	3.0	29	0.3	0.5	0.2	51	0.63
1357008	Soil	0.6	25.6	13.6	84	0.4	19.3	10.7	448	3.45	28.9	0.7	10.0	5.1	14	0.1	0.7	0.1	49	0.32
1357009	Soil	0.5	49.0	7.7	80	0.2	19.7	16.2	661	3.60	7.7	0.7	19.1	2.9	20	0.2	0.7	<0.1	66	0.43
1357002	Soil	0.5	38.9	12.5	89	0.3	23.1	16.8	727	3.46	16.4	1.0	4.9	3.0	32	0.3	0.5	0.1	58	0.79
1357047	Soil	0.5	20.1	9.6	67	0.3	14.5	10.7	495	2.51	5.6	0.7	11.8	2.3	31	0.2	0.3	0.2	47	0.78
1354926	Soil	0.8	30.5	10.7	74	<0.1	24.3	9.6	341	2.99	18.1	1.0	3.6	4.4	21	0.1	0.4	0.2	61	0.26
1357048	Soil	0.6	15.1	9.2	74	0.2	15.0	12.1	456	2.77	8.3	0.6	2.6	2.8	19	0.2	0.3	0.1	48	0.36
1357037	Soil	0.9	30.5	7.9	146	0.2	24.9	11.3	400	3.14	10.8	0.9	3.3	2.2	24	1.6	0.3	<0.1	58	0.34
1357038	Soil	0.9	36.3	10.5	108	0.2	28.9	9.9	421	3.60	19.8	0.9	3.3	6.0	11	0.2	0.3	0.1	51	0.17
1357039	Soil	1.2	51.3	33.4	141	0.5	17.2	22.1	743	3.93	19.0	0.9	12.0	2.9	23	1.2	0.3	0.2	44	0.53
1357036	Soil	1.5	44.8	12.7	177	0.3	33.4	13.6	740	4.10	40.9	0.7	4.0	6.3	9	4.0	0.5	0.2	49	0.16
1354919	Soil	0.4	37.5	5.2	80	0.1	19.9	14.6	568	3.52	4.0	0.4	12.6	2.2	17	<0.1	0.3	<0.1	54	0.27
1354925	Soil	0.8	28.2	10.5	77	<0.1	21.8	9.0	331	2.86	19.9	0.9	5.2	4.6	18	0.2	0.4	0.1	59	0.21
1357044	Soil	0.5	23.2	8.2	71	0.2	14.4	13.3	434	3.36	9.9	0.7	8.1	3.1	24	0.2	0.3	0.1	53	0.58
1357042	Soil	0.6	17.1	8.0	74	0.2	15.0	11.4	494	2.80	6.5	0.6	10.0	2.2	20	0.1	0.2	0.1	49	0.40
1354911	Soil	0.3	110.0	5.8	89	0.2	24.1	22.9	936	5.25	7.6	0.5	10.0	1.8	17	0.2	0.6	<0.1	95	0.47
1354924	Soil	0.6	50.4	11.8	126	0.1	43.9	18.1	805	4.03	110.3	1.1	6.2	4.6	30	0.6	0.3	<0.1	86	0.31
1357041	Soil	1.6	17.9	14.2	76	0.2	19.0	12.2	368	2.95	14.4	0.6	4.8	3.0	19	0.1	0.4	0.2	56	0.31
1357045	Soil	0.7	20.2	9.2	63	0.2	14.7	12.2	589	2.94	12.6	0.9	4.8	2.1	31	0.2	0.3	0.1	50	0.69
1354903	Soil	0.6	40.2	6.4	79	0.2	19.5	19.8	680	4.56	10.5	0.4	5.3	3.0	6	<0.1	0.4	<0.1	55	0.20
1354912	Soil	0.4	83.7	4.4	69	0.1	22.7	22.4	641	4.46	3.9	0.5	4.7	1.4	20	<0.1	0.4	<0.1	87	0.50
1354923	Soil	0.8	35.6	10.4	89	0.1	28.0	11.9	378	3.54	19.1	0.6	8.3	4.8	21	0.2	0.3	0.1	66	0.30
1357046	Soil	0.7	11.5	7.1	49	0.1	8.7	7.0	259	2.32	6.8	0.3	7.7	1.1	10	0.2	0.2	0.1	48	0.13
1354910	Soil	0.2	39.9	5.3	79	0.4	12.9	17.1	829	3.85	7.4	0.4	1.3	2.4	12	<0.1	0.4	0.1	58	0.32
1354928	Soil	1.2	52.0	15.8	101	0.5	30.8	17.3	530	3.83	22.5	1.3	2.0	3.4	26	0.4	0.2	0.1	55	0.43
1354931	Soil	0.5	29.7	17.2	76	0.3	15.8	18.2	1146	3.39	8.8	0.8	5.9	2.9	40	0.3	0.3	0.1	52	0.71
1357043	Soil	0.7	30.5	7.0	82	0.2	18.9	15.5	604	3.39	5.6	0.7	4.3	3.5	24	0.3	0.3	0.1	56	0.42
1354929	Soil	1.2	31.4	13.1	103	0.3	26.0	12.5	492	3.75	22.8	1.0	2.6	3.0	17	0.4	0.2	0.1	56	0.23
1354927	Soil	1.0	29.0	12.7	83	<0.1	24.9	11.1	342	3.16	17.8	1.0	4.4	4.5	18	0.2	0.3	0.2	57	0.23

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1357003	Soil	12	21	1.35	296	0.021	<1	2.06	0.005	0.04	<0.1	0.04	4.5	<0.1	<0.05	6	0.8
1357005	Soil	14	21	0.76	239	0.031	<1	1.72	0.007	0.04	0.1	0.04	3.8	<0.1	<0.05	5	0.8
1357008	Soil	25	18	0.81	216	0.021	<1	1.95	0.005	0.04	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5
1357009	Soil	13	20	1.71	254	0.025	<1	2.49	0.005	0.05	<0.1	0.04	6.7	<0.1	<0.05	7	0.5
1357002	Soil	13	24	1.47	301	0.019	<1	2.14	0.006	0.05	<0.1	0.05	5.4	<0.1	<0.05	6	0.5
1357047	Soil	13	21	0.99	255	0.030	<1	1.76	0.007	0.05	0.1	0.04	4.0	<0.1	<0.05	5	0.6
1354926	Soil	17	33	0.93	303	0.056	<1	1.97	0.007	0.05	<0.1	0.03	6.2	<0.1	<0.05	6	0.6
1357048	Soil	12	22	1.05	203	0.033	<1	1.72	0.008	0.04	0.2	0.04	3.7	<0.1	<0.05	5	<0.5
1357037	Soil	10	37	1.18	174	0.084	<1	1.98	0.005	0.05	<0.1	0.07	4.8	<0.1	<0.05	7	<0.5
1357038	Soil	25	36	1.65	267	0.022	<1	2.54	0.004	0.04	<0.1	0.02	4.0	<0.1	<0.05	7	<0.5
1357039	Soil	12	23	1.61	195	0.010	<1	1.94	0.007	0.02	<0.1	0.33	5.3	<0.1	0.26	5	1.6
1357036	Soil	23	32	1.42	246	0.015	<1	2.30	0.003	0.05	<0.1	0.07	3.4	<0.1	<0.05	6	<0.5
1354919	Soil	9	19	1.45	208	0.009	<1	2.06	0.002	0.04	<0.1	0.01	4.7	<0.1	<0.05	6	<0.5
1354925	Soil	18	30	0.99	285	0.049	<1	1.78	0.007	0.04	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5
1357044	Soil	12	18	1.50	309	0.040	<1	2.20	0.007	0.04	0.1	0.03	5.1	<0.1	<0.05	6	<0.5
1357042	Soil	11	21	1.19	245	0.034	<1	1.85	0.006	0.05	0.1	0.04	4.1	<0.1	<0.05	5	<0.5
1354911	Soil	11	22	1.88	172	0.016	<1	2.73	0.004	0.06	<0.1	0.04	11.7	<0.1	<0.05	8	0.6
1354924	Soil	14	37	1.39	214	0.048	<1	1.86	0.003	0.12	<0.1	0.03	7.2	0.1	<0.05	7	<0.5
1357041	Soil	11	27	1.21	150	0.044	<1	1.71	0.007	0.05	0.1	0.04	4.1	<0.1	<0.05	5	0.8
1357045	Soil	12	18	0.97	325	0.031	<1	1.88	0.007	0.04	0.1	0.04	4.4	<0.1	<0.05	5	<0.5
1354903	Soil	16	24	2.00	92	0.053	<1	2.84	0.003	0.02	<0.1	0.04	7.1	<0.1	<0.05	6	<0.5
1354912	Soil	5	23	1.81	166	0.065	<1	2.49	0.006	0.04	<0.1	0.02	7.1	<0.1	<0.05	8	<0.5
1354923	Soil	17	32	1.29	263	0.035	<1	2.20	0.005	0.06	<0.1	0.02	5.2	<0.1	<0.05	7	<0.5
1357046	Soil	7	15	0.87	91	0.029	<1	1.62	0.005	0.04	0.1	0.03	2.8	<0.1	<0.05	6	<0.5
1354910	Soil	9	17	2.26	157	0.009	<1	2.50	0.002	0.03	<0.1	<0.01	6.4	<0.1	<0.05	7	<0.5
1354928	Soil	26	40	2.14	220	0.038	<1	2.44	0.003	0.06	<0.1	0.03	6.8	<0.1	<0.05	7	0.7
1354931	Soil	14	17	1.38	279	0.013	<1	2.27	0.006	0.04	<0.1	0.05	5.5	<0.1	<0.05	6	<0.5
1357043	Soil	13	25	1.59	289	0.061	<1	1.84	0.006	0.09	0.1	0.02	6.7	<0.1	<0.05	6	0.6
1354929	Soil	21	39	2.39	135	0.047	<1	2.51	0.004	0.06	<0.1	0.02	4.8	<0.1	<0.05	7	<0.5
1354927	Soil	18	33	1.22	210	0.053	<1	2.18	0.005	0.05	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1354916	Soil	0.3	53.4	6.1	62	0.2	14.7	17.8	709	3.95	4.2	0.5	2.7	2.2	16	<0.1	0.3	<0.1	79	0.28	0.038
1354909	Soil	0.3	43.0	5.3	74	1.3	16.1	20.6	1830	4.60	5.4	0.2	2.8	1.6	10	0.3	0.3	<0.1	60	0.35	0.093
1354930	Soil	1.4	29.1	14.2	103	0.3	23.9	15.3	631	3.70	30.2	0.9	3.6	4.3	24	0.3	0.2	0.1	53	0.42	0.088
1354901	Rock Pulp	1.3	562.6	21.6	66	0.3	275.3	97.5	1004	18.22	3.4	1.3	35.1	7.5	16	<0.1	0.3	0.2	239	0.45	0.039
1354906	Soil	<0.1	34.9	4.0	70	0.2	11.6	19.5	835	4.47	1.2	0.2	1.6	1.5	16	<0.1	0.3	<0.1	63	0.61	0.070
1354902	Soil	0.4	61.6	10.9	93	0.2	29.8	13.9	754	4.36	53.0	0.7	7.9	7.0	9	0.1	0.6	0.2	49	0.28	0.080
1354933	Soil	0.2	21.1	10.4	76	<0.1	5.0	20.3	1312	4.66	4.5	0.3	6.2	2.6	5	0.2	0.1	0.1	95	0.14	0.063
1354921	Soil	0.6	26.6	7.7	55	<0.1	17.3	10.9	349	2.80	5.0	0.4	0.7	2.5	11	<0.1	0.4	0.1	59	0.16	0.019
1354908	Soil	0.5	35.7	7.4	63	0.3	19.7	12.9	564	3.47	9.9	0.8	1.4	3.9	16	<0.1	0.3	0.1	54	0.32	0.034
1354922	Soil	0.3	31.3	5.3	64	<0.1	16.2	13.6	567	3.27	3.8	0.6	1.7	2.4	18	<0.1	0.4	<0.1	67	0.31	0.054
1339648	Soil	0.8	31.9	12.4	83	0.5	17.5	11.1	502	3.22	22.8	1.0	2.3	4.0	18	0.2	0.5	0.2	39	0.35	0.090
1339647	Soil	1.0	33.0	8.4	90	0.3	18.8	14.8	473	3.81	8.9	0.7	8.3	4.6	16	0.1	0.3	0.2	38	0.39	0.089
1339643	Soil	0.4	65.4	6.6	74	0.3	18.5	20.2	960	4.58	15.9	0.5	6.0	2.8	22	0.1	0.5	0.1	82	0.47	0.064
1354932	Soil	0.6	38.8	16.8	91	0.3	18.3	18.2	865	4.10	10.2	0.7	5.7	3.5	20	0.2	0.2	0.1	59	0.41	0.070
1338254	Soil	0.4	23.3	8.4	84	<0.1	8.3	15.5	693	4.29	5.4	0.5	3.6	2.4	11	<0.1	0.3	<0.1	63	0.29	0.066
1339650	Soil	1.5	49.4	11.8	91	0.4	26.0	21.2	1191	4.55	28.3	0.6	18.5	6.6	13	0.4	0.4	<0.1	54	0.39	0.108
1339630	Soil	0.2	42.9	10.0	66	0.2	10.0	19.0	1318	4.03	2.1	0.4	6.8	2.7	11	0.2	0.3	<0.1	52	0.32	0.078
1339642	Soil	0.5	92.9	9.6	71	0.4	25.0	31.0	1548	5.41	15.7	0.3	1.2	2.0	14	0.1	0.3	<0.1	97	0.41	0.045
1339638	Soil	0.3	85.5	7.5	68	0.4	24.1	26.7	1097	4.93	7.3	0.5	2.6	2.3	13	<0.1	0.3	<0.1	120	0.27	0.045
1339641	Soil	0.9	50.0	9.4	69	0.2	22.3	18.5	916	3.95	10.0	0.7	1.5	3.8	13	0.2	0.3	0.1	67	0.28	0.054
1338252	Soil	0.4	42.5	12.9	86	0.5	17.3	21.1	1382	4.77	36.1	0.5	18.7	3.4	13	0.3	0.5	<0.1	60	0.33	0.086
1338255	Soil	0.3	14.2	6.8	74	<0.1	6.2	18.6	878	4.59	5.1	0.4	3.7	2.1	14	<0.1	0.2	<0.1	87	0.30	0.051
1339637	Soil	0.3	74.1	5.6	64	<0.1	20.6	22.1	749	4.46	4.7	0.5	0.8	2.3	15	<0.1	0.3	<0.1	96	0.32	0.049
1339639	Soil	0.3	78.6	11.7	80	0.4	24.6	26.2	1272	5.36	5.3	0.3	3.6	2.5	12	0.1	0.4	<0.1	93	0.31	0.053
1339633	Soil	0.7	33.4	11.3	66	0.1	25.1	12.9	562	3.15	14.4	1.0	2.3	4.7	18	<0.1	0.4	0.1	56	0.28	0.052
1339649	Soil	1.0	37.2	13.2	86	0.6	23.2	11.4	431	3.08	11.7	1.2	6.4	4.2	24	0.3	0.5	0.1	45	0.44	0.088
1339635	Soil	0.9	37.3	12.7	72	0.1	25.9	14.9	449	3.64	11.0	1.2	2.1	3.6	25	0.1	0.5	0.1	69	0.37	0.060
1339632	Soil	<0.1	51.3	5.2	64	0.2	11.7	17.3	1329	3.85	1.9	0.4	1.1	2.8	11	0.1	0.2	<0.1	60	0.29	0.074
1339634	Soil	0.3	47.1	13.1	87	0.2	14.1	23.4	1483	4.44	3.3	0.3	5.3	2.5	11	0.4	0.1	<0.1	57	0.31	0.086
1339636	Soil	0.6	34.3	8.0	67	<0.1	19.7	14.4	692	3.42	7.2	0.8	2.7	2.4	20	0.1	0.3	0.1	66	0.32	0.046

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1354916	Soil	8	20	1.38	207	0.038	<1	2.29	0.005	0.05	<0.1	0.02	7.9	<0.1	<0.05	7	<0.5
1354909	Soil	13	24	2.11	155	0.014	<1	2.48	0.002	0.03	<0.1	0.02	6.8	<0.1	<0.05	7	<0.5
1354930	Soil	18	31	2.06	229	0.013	<1	2.46	0.004	0.05	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5
1354901	Rock Pulp	19	842	0.16	163	0.193	4	4.32	0.013	0.08	<0.1	0.03	52.0	<0.1	<0.05	19	0.6
1354906	Soil	8	10	1.83	54	0.006	<1	2.46	0.001	0.03	<0.1	<0.01	8.4	<0.1	<0.05	6	<0.5
1354902	Soil	30	29	1.71	87	0.014	<1	2.42	0.002	0.02	<0.1	0.04	5.2	<0.1	<0.05	6	<0.5
1354933	Soil	9	9	2.14	91	0.006	1	2.82	0.003	0.03	<0.1	<0.01	10.5	<0.1	<0.05	9	<0.5
1354921	Soil	8	23	1.06	185	0.031	1	1.97	0.005	0.04	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5
1354908	Soil	15	23	1.25	278	0.021	1	2.16	0.006	0.04	<0.1	0.03	6.3	<0.1	<0.05	5	<0.5
1354922	Soil	8	19	1.42	171	0.016	<1	2.15	0.004	0.04	<0.1	<0.01	4.4	<0.1	<0.05	6	<0.5
1339648	Soil	14	17	0.94	145	0.018	<1	1.44	0.005	0.03	<0.1	0.01	4.1	<0.1	<0.05	4	0.8
1339647	Soil	17	15	1.26	108	0.014	1	1.76	0.003	0.03	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5
1339643	Soil	13	21	1.73	232	0.012	1	2.55	0.005	0.07	<0.1	0.03	9.9	<0.1	<0.05	7	<0.5
1354932	Soil	16	20	1.85	218	0.011	1	2.82	0.004	0.03	<0.1	0.03	5.8	<0.1	<0.05	7	<0.5
1338254	Soil	11	11	1.87	168	0.010	1	2.36	0.004	0.05	<0.1	0.02	7.5	<0.1	<0.05	6	<0.5
1339650	Soil	24	19	1.30	83	0.004	1	1.96	0.003	0.04	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5
1339630	Soil	13	11	2.15	57	0.004	<1	2.64	0.003	0.03	<0.1	0.02	7.1	<0.1	<0.05	7	<0.5
1339642	Soil	7	18	2.22	193	0.011	<1	2.84	0.003	0.04	<0.1	0.03	15.1	<0.1	<0.05	8	<0.5
1339638	Soil	9	36	2.41	226	0.052	<1	2.70	0.005	0.04	<0.1	0.03	13.4	<0.1	<0.05	8	<0.5
1339641	Soil	13	26	1.11	289	0.021	<1	2.01	0.005	0.04	<0.1	0.03	7.5	<0.1	<0.05	6	<0.5
1338252	Soil	11	13	1.25	91	0.003	<1	1.97	0.003	0.03	<0.1	0.03	6.5	<0.1	<0.05	6	<0.5
1338255	Soil	9	9	2.62	151	0.030	<1	2.73	0.003	0.04	<0.1	<0.01	11.3	<0.1	<0.05	8	<0.5
1339637	Soil	8	22	2.32	185	0.065	1	2.74	0.008	0.04	<0.1	<0.01	6.9	<0.1	<0.05	8	<0.5
1339639	Soil	8	30	2.22	280	0.012	<1	2.98	0.004	0.05	<0.1	0.04	11.6	<0.1	<0.05	8	<0.5
1339633	Soil	17	31	1.12	281	0.033	1	2.04	0.006	0.05	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5
1339649	Soil	19	23	0.81	190	0.031	1	1.44	0.009	0.04	0.1	0.03	4.7	<0.1	<0.05	4	<0.5
1339635	Soil	14	36	1.14	303	0.041	<1	2.04	0.009	0.04	0.1	0.03	6.9	<0.1	<0.05	6	<0.5
1339632	Soil	13	15	2.39	95	0.007	<1	2.71	0.003	0.04	<0.1	0.02	7.3	<0.1	<0.05	7	<0.5
1339634	Soil	10	19	2.34	85	0.004	<1	2.86	0.002	0.05	<0.1	<0.01	8.5	<0.1	<0.05	6	<0.5
1339636	Soil	11	28	1.44	272	0.047	<1	2.11	0.008	0.04	<0.1	0.02	5.6	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1339640	Soil	1.0	40.3	8.3	74	0.2	22.9	15.4	645	3.86	53.5	0.9	4.5	3.3	13	0.1	0.3	0.1	68	0.27	0.048
1339627	Soil	1.0	36.7	12.9	95	0.2	28.5	16.8	438	3.50	14.8	1.5	<0.5	5.3	26	0.4	0.2	0.1	51	0.40	0.086
1338256	Soil	0.3	19.9	8.0	75	0.2	7.9	18.9	1124	4.81	3.4	0.7	7.8	2.3	18	0.2	0.2	<0.1	111	0.39	0.059
1339644	Soil	0.7	52.7	9.9	81	0.3	18.4	16.6	692	4.20	12.0	0.8	2.9	4.1	15	<0.1	0.4	0.1	80	0.32	0.051
1354879	Soil	0.4	41.0	8.5	70	0.2	18.3	17.1	838	3.59	5.2	0.7	5.4	4.2	13	<0.1	0.2	0.1	59	0.30	0.068
1338251	Rock Pulp	2.3	25.1	2.6	47	0.3	23.5	10.3	392	2.42	4.9	0.3	<0.5	1.0	43	0.2	0.3	<0.1	66	0.87	0.062
1339645	Soil	0.4	51.9	6.6	66	0.2	19.7	18.5	921	3.97	9.3	1.3	2.0	2.0	33	0.2	0.4	<0.1	94	0.76	0.071
1339628	Soil	1.1	19.6	11.5	80	0.3	12.3	21.6	3303	3.25	19.4	0.6	4.0	2.1	45	0.5	0.2	0.1	42	1.09	0.085
1354877	Soil	0.2	43.9	21.0	96	<0.1	32.0	13.9	904	3.70	7.2	0.7	4.5	7.9	10	0.2	0.2	<0.1	45	0.26	0.101
1354882	Soil	1.7	43.5	8.2	135	0.2	40.8	13.2	591	4.82	79.5	0.8	43.0	7.4	23	0.5	0.1	0.1	71	0.27	0.109
1339626	Soil	1.0	27.4	7.0	64	<0.1	24.8	14.5	315	2.64	28.1	0.7	<0.5	1.6	20	<0.1	0.2	0.1	47	0.38	0.073
1338253	Soil	0.3	33.8	6.2	69	0.2	10.1	17.3	911	4.09	6.0	0.4	5.6	2.3	14	0.1	0.2	<0.1	61	0.32	0.087
1354883	Soil	1.8	39.5	20.8	100	0.7	35.7	20.0	805	3.50	60.0	1.0	5.0	3.2	28	0.7	0.2	0.2	55	0.43	0.082
1339631	Soil	0.3	37.6	11.2	60	0.2	12.3	17.0	1159	3.70	6.3	0.6	10.7	3.3	11	0.1	0.2	<0.1	50	0.27	0.069
1339629	Soil	0.4	48.8	16.7	74	0.4	19.8	15.9	571	3.05	10.3	1.0	5.9	3.1	37	0.5	0.3	0.1	40	0.99	0.077
1339646	Soil	0.5	26.5	7.2	71	0.2	12.2	16.7	900	3.90	5.7	1.1	4.6	2.4	27	0.3	0.3	<0.1	70	0.55	0.071
1354859	Soil	0.8	22.8	12.0	89	0.3	16.4	14.0	451	3.74	17.8	0.8	4.2	3.4	28	0.2	0.2	0.1	38	0.60	0.094
1354854	Soil	<0.1	110.7	5.8	72	0.3	17.7	32.2	1416	5.33	2.3	0.2	4.7	2.0	18	0.1	0.2	<0.1	91	0.54	0.073
1354853	Soil	0.1	94.5	5.4	54	<0.1	14.4	19.9	935	3.99	3.5	0.5	4.8	1.6	15	<0.1	0.3	<0.1	93	0.35	0.054
1354876	Soil	0.6	35.5	10.7	65	<0.1	22.4	13.7	684	3.39	9.8	1.0	2.5	4.1	18	<0.1	0.3	0.1	66	0.27	0.038
1354860	Soil	1.1	34.1	34.7	98	0.3	21.0	12.7	636	3.55	20.2	1.1	4.0	3.4	23	0.2	0.4	0.1	41	0.53	0.103
1354856	Soil	0.6	29.5	7.1	59	0.2	17.2	14.7	830	3.23	6.9	0.6	2.5	2.5	17	<0.1	0.3	0.1	61	0.34	0.064
1354851	Rock Pulp	2.4	24.5	2.5	44	0.3	23.4	10.1	400	2.32	4.5	0.3	3.1	1.0	40	0.2	0.2	<0.1	65	0.83	0.064
1354878	Soil	0.1	38.5	6.6	69	<0.1	13.3	19.5	1710	3.82	1.3	0.3	2.6	1.5	11	0.2	0.3	<0.1	45	0.20	0.063
1354861	Soil	0.6	28.1	9.0	59	0.3	16.2	12.0	547	3.12	9.3	0.8	3.0	2.8	24	<0.1	0.3	0.2	53	0.46	0.045
1354857	Soil	1.1	37.0	15.9	83	0.1	16.6	18.2	733	4.07	20.0	0.5	4.7	3.3	11	0.1	0.5	0.1	58	0.21	0.048
1354852	Soil	0.1	58.8	9.5	78	<0.1	25.8	16.1	740	3.67	5.5	0.7	13.9	4.3	16	0.1	0.4	<0.1	55	0.33	0.076
1354880	Soil	1.0	40.5	21.5	78	0.2	31.3	14.0	437	3.40	72.0	1.1	8.6	5.6	15	0.1	0.5	0.2	58	0.17	0.040
1354862	Soil	0.8	29.0	9.9	65	0.1	19.2	12.9	552	3.35	12.2	0.7	2.2	4.4	14	0.1	0.4	0.1	43	0.33	0.063
1354858	Soil	0.6	21.4	11.5	72	0.1	11.8	16.9	898	3.89	4.9	0.6	9.8	3.9	10	0.2	0.2	0.1	57	0.20	0.043

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1339640	Soil	12	31	1.33	316	0.019	<1	2.20	0.005	0.04	<0.1	0.03	6.5	<0.1	<0.05	6	<0.5
1339627	Soil	20	36	1.85	171	0.057	<1	2.15	0.004	0.05	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5
1338256	Soil	25	13	2.53	358	0.022	<1	3.08	0.004	0.05	<0.1	0.03	13.6	<0.1	<0.05	9	<0.5
1339644	Soil	12	20	1.61	187	0.013	<1	2.39	0.004	0.03	<0.1	0.03	11.0	<0.1	<0.05	6	<0.5
1354879	Soil	13	20	1.63	222	0.014	<1	2.63	0.004	0.04	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5
1338251	Rock Pulp	4	32	0.83	96	0.127	3	1.63	0.085	0.12	12.1	0.01	4.9	<0.1	0.05	5	<0.5
1339645	Soil	11	22	1.55	284	0.019	<1	2.28	0.007	0.04	<0.1	0.03	10.8	<0.1	<0.05	7	0.5
1339628	Soil	9	14	1.73	236	0.006	1	2.03	0.004	0.03	<0.1	0.02	3.9	<0.1	0.08	5	<0.5
1354877	Soil	21	28	1.95	166	0.006	<1	2.57	0.002	0.05	<0.1	<0.01	3.9	<0.1	<0.05	7	<0.5
1354882	Soil	23	48	3.32	94	0.005	<1	3.06	0.003	0.07	<0.1	<0.01	4.0	<0.1	<0.05	9	<0.5
1339626	Soil	9	35	1.23	78	0.066	<1	1.46	0.003	0.03	0.1	0.01	3.2	<0.1	<0.05	5	<0.5
1338253	Soil	11	12	0.88	132	0.011	<1	1.39	0.003	0.04	<0.1	0.02	7.2	<0.1	<0.05	4	<0.5
1354883	Soil	14	35	2.05	261	0.006	2	2.42	0.004	0.05	<0.1	0.03	3.4	<0.1	<0.05	7	0.5
1339631	Soil	10	14	1.28	168	0.009	1	2.02	0.004	0.04	<0.1	0.04	7.5	<0.1	<0.05	6	<0.5
1339629	Soil	16	18	1.40	168	0.007	1	2.03	0.004	0.04	<0.1	0.03	4.2	<0.1	<0.05	5	0.7
1339646	Soil	15	13	1.78	384	0.015	1	2.32	0.004	0.04	<0.1	0.03	8.4	<0.1	<0.05	7	<0.5
1354859	Soil	11	16	1.14	115	0.013	<1	1.59	0.003	0.02	<0.1	0.02	3.1	<0.1	<0.05	4	0.5
1354854	Soil	10	15	2.67	106	0.021	<1	2.82	0.002	0.05	<0.1	<0.01	12.4	<0.1	<0.05	8	<0.5
1354853	Soil	5	11	2.00	175	0.106	<1	2.21	0.003	0.09	<0.1	<0.01	8.4	0.1	<0.05	7	<0.5
1354876	Soil	16	35	1.24	305	0.032	1	2.40	0.008	0.04	<0.1	0.04	6.9	<0.1	<0.05	6	<0.5
1354860	Soil	13	24	1.23	153	0.017	<1	1.82	0.004	0.03	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5
1354856	Soil	10	22	1.34	223	0.029	<1	2.13	0.006	0.03	0.1	0.03	5.0	<0.1	<0.05	6	<0.5
1354851	Rock Pulp	4	31	0.80	92	0.129	2	1.64	0.087	0.12	12.3	<0.01	4.8	<0.1	0.06	5	<0.5
1354878	Soil	6	11	1.96	107	0.024	<1	2.19	0.002	0.04	<0.1	0.02	5.5	<0.1	<0.05	6	<0.5
1354861	Soil	14	23	1.04	202	0.025	<1	1.92	0.005	0.03	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5
1354857	Soil	13	22	1.65	231	0.014	<1	2.45	0.003	0.04	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5
1354852	Soil	19	21	1.58	163	0.023	<1	2.36	0.003	0.04	<0.1	0.02	5.4	<0.1	<0.05	6	<0.5
1354880	Soil	16	34	0.96	284	0.033	1	2.19	0.008	0.05	0.1	0.03	4.5	<0.1	<0.05	6	<0.5
1354862	Soil	13	20	1.01	142	0.026	<1	1.91	0.003	0.03	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5
1354858	Soil	12	18	1.78	265	0.018	<1	2.63	0.004	0.05	<0.1	0.03	6.9	<0.1	<0.05	7	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1354855	Soil	<0.1	64.4	4.4	71	0.2	16.5	23.0	1229	5.03	2.2	0.3	5.5	1.7	14	0.2	0.2	<0.1	91	0.39
1354881	Soil	1.1	31.1	17.9	84	0.2	22.5	12.1	417	3.45	114.4	0.6	6.1	2.4	14	0.3	0.3	0.1	59	0.19
1354863	Soil	0.7	24.9	8.7	55	0.2	16.6	13.2	557	2.96	13.1	0.8	2.0	2.9	24	0.1	0.3	0.1	53	0.52
1354871	Soil	0.3	75.6	5.7	65	0.2	19.8	21.5	629	4.26	4.7	0.7	7.0	2.0	17	<0.1	0.3	<0.1	79	0.37
1354869	Soil	0.4	56.2	5.1	78	0.2	13.3	14.7	840	4.21	3.8	0.6	9.3	2.8	12	0.1	0.2	<0.1	35	0.30
1354865	Soil	0.5	43.1	6.8	71	0.2	18.3	21.7	683	4.53	9.6	0.5	2.5	1.8	19	0.1	0.3	<0.1	81	0.43
1354872	Soil	0.3	44.5	7.2	66	0.2	22.6	17.8	685	3.66	5.6	0.8	4.3	2.4	20	0.2	0.2	<0.1	82	0.43
1354873	Soil	0.3	27.2	7.8	59	<0.1	14.7	13.9	705	3.49	4.8	0.5	2.1	2.7	10	<0.1	0.2	<0.1	46	0.24
1354870	Soil	0.2	93.9	8.4	73	0.4	20.1	27.3	1157	5.02	5.2	0.4	6.9	1.6	13	0.2	0.3	<0.1	89	0.34
1354864	Soil	0.9	30.0	10.1	67	0.3	18.2	14.3	813	3.66	17.8	0.6	2.9	3.4	20	0.2	0.5	0.1	50	0.49
1345826	Soil	0.4	64.6	5.3	71	<0.1	12.0	19.7	862	4.67	1.6	0.4	4.1	2.7	3	<0.1	0.3	<0.1	72	0.07
1354875	Soil	0.2	40.9	8.7	76	0.2	21.3	14.0	763	3.95	4.6	0.6	4.3	4.1	12	<0.1	0.2	<0.1	50	0.37
1354874	Soil	0.2	50.4	8.6	77	0.2	21.7	18.2	903	4.40	4.4	0.7	6.1	3.0	14	0.2	0.2	<0.1	70	0.35
1354867	Soil	0.4	88.4	8.9	75	0.4	22.9	24.8	979	4.98	10.2	0.5	2.5	2.5	12	0.1	0.3	<0.1	106	0.26
1345828	Soil	0.5	25.2	3.9	88	<0.1	9.7	20.9	1003	5.53	3.6	0.6	3.1	3.0	4	<0.1	0.6	<0.1	89	0.05
1345827	Soil	0.7	53.1	8.3	75	0.2	13.3	18.3	970	4.65	3.4	0.9	4.0	2.6	7	<0.1	0.4	<0.1	54	0.12
1354868	Soil	0.8	44.2	9.2	76	0.1	21.6	13.9	433	3.58	25.4	0.7	2.5	3.7	10	<0.1	0.3	<0.1	54	0.16
1354866	Soil	0.2	69.2	4.0	66	0.2	20.7	24.9	847	5.36	5.3	0.3	3.2	1.3	10	<0.1	0.4	<0.1	125	0.27
1345835	Soil	0.6	38.6	8.5	55	0.1	13.7	12.8	460	3.30	12.3	0.7	4.1	2.7	5	<0.1	0.3	0.1	43	0.06
1345833	Soil	0.2	38.3	3.8	64	<0.1	11.8	19.1	840	4.30	2.4	0.4	4.3	1.4	11	<0.1	0.4	<0.1	80	0.12
1345832	Soil	0.5	40.1	6.3	70	<0.1	10.8	20.7	1079	4.57	4.8	0.4	4.1	2.4	5	0.1	0.2	0.1	46	0.11
1345830	Soil	0.8	21.0	17.2	74	<0.1	5.7	25.8	1277	6.43	1.7	0.7	3.2	2.5	12	<0.1	0.2	0.4	169	0.20
1345836	Soil	0.3	33.9	8.2	71	<0.1	6.5	11.9	884	3.76	3.3	0.4	9.5	3.2	8	<0.1	0.2	<0.1	36	0.27
1345834	Soil	1.0	59.5	11.5	58	0.3	20.2	23.2	842	3.83	14.1	0.6	13.5	4.5	5	<0.1	0.4	0.1	32	0.10
1345831	Soil	2.1	44.9	20.4	76	0.2	23.0	15.2	527	3.85	28.2	1.0	1.7	4.9	5	<0.1	0.3	0.5	42	0.07
1345829	Soil	0.7	23.8	3.6	81	<0.1	6.9	17.6	820	4.84	2.3	0.6	3.1	2.6	3	<0.1	0.3	<0.1	93	0.05
1345846	Soil	1.1	29.7	12.2	79	0.1	21.8	10.1	304	3.19	268.6	0.6	20.8	3.4	7	0.1	0.2	<0.1	43	0.09
1345848	Soil	1.0	20.6	27.9	73	0.2	18.6	10.8	388	2.89	66.2	0.8	7.0	3.3	13	0.4	0.5	0.2	52	0.17
1345838	Soil	0.4	42.9	9.2	65	0.1	19.9	18.3	783	4.22	3.7	0.6	2.4	3.4	6	<0.1	0.2	<0.1	67	0.11
1345837	Soil	0.9	33.7	13.4	71	0.2	12.9	17.9	1104	4.11	22.5	0.5	8.7	4.4	8	0.2	0.3	<0.1	41	0.21

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1354855	Soil	10	28	2.86	207	0.008	<1	3.01	0.003	0.04	<0.1	0.02	10.7	<0.1	<0.05	8	<0.5
1354881	Soil	13	31	1.26	202	0.020	<1	2.13	0.004	0.05	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5
1354863	Soil	14	21	0.82	226	0.028	1	1.70	0.006	0.06	0.1	0.02	4.1	<0.1	<0.05	5	<0.5
1354871	Soil	9	20	2.20	178	0.044	<1	2.66	0.005	0.05	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5
1354869	Soil	7	8	0.77	180	0.005	<1	1.55	0.003	0.04	<0.1	0.01	7.1	<0.1	<0.05	4	<0.5
1354865	Soil	7	18	1.90	172	0.020	<1	2.28	0.005	0.03	<0.1	0.02	8.3	<0.1	<0.05	6	<0.5
1354872	Soil	10	31	1.73	188	0.022	<1	2.44	0.005	0.03	<0.1	0.02	10.2	<0.1	<0.05	7	<0.5
1354873	Soil	9	19	1.53	156	0.015	<1	2.22	0.003	0.03	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5
1354870	Soil	6	19	2.20	237	0.014	<1	2.65	0.004	0.05	<0.1	0.01	12.1	<0.1	<0.05	7	<0.5
1354864	Soil	14	17	1.12	181	0.022	1	1.85	0.006	0.03	0.1	0.03	5.1	<0.1	<0.05	5	<0.5
1345826	Soil	12	18	2.09	121	0.006	<1	2.80	0.003	0.04	<0.1	0.01	10.7	<0.1	<0.05	8	<0.5
1354875	Soil	15	23	1.76	168	0.008	<1	2.40	0.003	0.04	<0.1	0.02	5.1	<0.1	<0.05	6	<0.5
1354874	Soil	12	33	2.13	156	0.009	<1	2.83	0.003	0.04	<0.1	0.02	7.1	<0.1	<0.05	7	<0.5
1354867	Soil	8	24	1.89	262	0.014	<1	2.61	0.004	0.04	<0.1	0.02	14.1	<0.1	<0.05	8	<0.5
1345828	Soil	15	16	2.31	185	0.030	<1	3.12	0.003	0.05	<0.1	0.02	10.6	<0.1	<0.05	9	<0.5
1345827	Soil	13	14	0.76	172	0.012	<1	1.38	0.003	0.03	<0.1	0.03	7.6	<0.1	<0.05	4	<0.5
1354868	Soil	13	21	1.11	310	0.012	<1	2.14	0.004	0.04	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5
1354866	Soil	5	23	2.66	174	0.017	<1	3.29	0.003	0.03	<0.1	0.01	14.3	<0.1	<0.05	9	<0.5
1345835	Soil	12	16	1.00	115	0.027	1	2.05	0.003	0.03	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5
1345833	Soil	7	20	2.00	118	0.047	<1	2.39	0.003	0.03	<0.1	0.01	6.9	<0.1	<0.05	7	<0.5
1345832	Soil	6	7	0.55	96	0.002	<1	0.91	0.002	0.05	<0.1	0.02	6.5	<0.1	<0.05	2	<0.5
1345830	Soil	11	8	3.61	333	0.143	<1	3.38	0.002	0.34	<0.1	<0.01	24.2	0.3	<0.05	12	0.9
1345836	Soil	13	5	1.48	66	0.003	<1	2.19	0.009	0.03	<0.1	0.01	6.1	<0.1	<0.05	6	<0.5
1345834	Soil	10	14	1.33	182	0.006	<1	1.80	0.002	0.04	<0.1	0.03	5.5	<0.1	<0.05	4	<0.5
1345831	Soil	15	20	1.24	207	0.015	<1	2.04	0.003	0.04	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1345829	Soil	10	12	2.33	262	0.047	<1	2.74	0.003	0.05	<0.1	0.02	12.7	<0.1	<0.05	9	<0.5
1345846	Soil	16	26	1.15	145	0.009	<1	1.83	0.003	0.05	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5
1345848	Soil	14	24	0.59	203	0.040	2	1.82	0.006	0.04	0.1	0.03	4.0	<0.1	<0.05	5	<0.5
1345838	Soil	12	38	2.40	150	0.012	<1	2.92	0.003	0.04	<0.1	0.02	8.7	<0.1	<0.05	7	<0.5
1345837	Soil	11	14	1.60	146	0.009	<1	2.23	0.003	0.03	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1345845	Soil	1.1	25.6	13.0	73	<0.1	23.0	12.5	328	3.50	107.7	0.6	6.0	4.3	9	<0.1	0.3	0.1	49	0.09	0.031
1345847	Soil	0.5	25.2	11.6	72	0.1	9.3	20.3	905	4.45	31.5	0.5	6.4	2.9	7	0.1	0.2	<0.1	61	0.18	0.053
1345840	Soil	0.7	27.2	9.3	60	0.1	13.3	16.4	595	3.51	7.5	0.5	3.8	3.3	10	<0.1	0.3	0.1	54	0.16	0.015
1345839	Soil	0.3	25.9	7.7	70	<0.1	7.4	15.9	697	4.21	4.5	0.7	4.5	2.8	6	<0.1	0.2	<0.1	56	0.11	0.021
1345843	Soil	0.9	20.3	10.7	74	0.2	18.7	12.0	401	3.49	24.6	0.5	6.7	5.2	7	<0.1	0.3	0.2	58	0.08	0.025
1345841	Soil	1.3	22.0	24.5	82	0.1	19.6	6.5	169	2.40	30.2	0.9	2.9	5.9	11	0.2	0.2	0.2	29	0.16	0.070
1345842	Soil	1.5	21.6	11.5	104	0.3	18.1	16.0	823	4.32	29.7	1.1	3.8	7.2	25	0.4	0.3	<0.1	28	0.57	0.113
1345844	Soil	1.4	23.5	13.5	51	0.2	21.5	8.7	273	2.85	108.9	0.9	7.9	4.2	12	0.2	0.4	0.2	58	0.12	0.027
1354957	Soil	0.4	27.6	9.5	94	0.2	18.6	11.9	628	3.35	13.7	1.0	11.4	6.5	15	0.3	0.1	0.1	49	0.27	0.088
1354958	Soil	0.8	34.2	10.9	98	0.2	20.0	12.2	650	3.42	13.8	1.3	27.0	4.4	15	0.3	0.2	0.1	38	0.28	0.075
1354955	Soil	0.6	28.3	10.7	84	0.1	16.5	12.8	780	3.45	20.6	0.8	4.4	3.8	17	0.2	0.3	0.1	51	0.31	0.065
1338270	Soil	0.7	23.9	9.0	80	0.1	14.3	9.7	550	3.01	4.1	1.1	4.3	3.9	18	0.2	0.2	0.1	30	0.31	0.064
1338273	Soil	0.3	31.0	16.3	77	0.2	12.3	16.7	946	3.38	14.8	0.5	3.6	2.6	13	0.3	0.2	0.2	37	0.23	0.069
1354956	Soil	0.5	21.9	8.2	65	<0.1	16.3	7.9	331	2.67	11.4	0.8	1.8	4.4	17	<0.1	0.2	<0.1	41	0.24	0.048
1354951	Rock Pulp	2.3	22.9	2.3	41	0.2	21.5	9.6	342	2.12	4.6	0.2	0.7	0.9	37	0.1	0.2	<0.1	59	0.80	0.052
1354959	Soil	0.6	29.4	11.1	90	0.2	19.6	11.4	643	2.97	36.4	1.5	6.7	5.2	17	0.4	0.2	0.1	38	0.30	0.086
1338271	Soil	0.6	26.6	8.3	75	0.2	15.9	8.1	431	2.99	35.8	0.8	5.3	2.8	15	0.1	0.2	0.1	47	0.24	0.074
1354952	Soil	0.3	21.0	22.2	57	0.3	24.2	9.9	389	2.14	30.5	1.0	8.9	5.8	11	0.1	0.2	0.3	11	0.18	0.071
1354960	Soil	0.7	26.9	12.7	75	0.2	18.1	9.3	346	2.77	20.5	1.3	6.8	5.7	15	0.1	0.2	0.1	45	0.23	0.067
1354954	Soil	0.3	22.3	11.1	68	<0.1	14.3	12.2	721	3.17	16.8	0.8	4.2	2.3	11	<0.1	0.2	0.1	38	0.22	0.064

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1345845	Soil	18	30	1.36	216	0.020	<1	2.34	0.005	0.06	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5
1345847	Soil	9	9	2.21	132	0.007	<1	2.73	0.002	0.03	<0.1	<0.01	7.4	<0.1	<0.05	7	<0.5
1345840	Soil	12	17	1.35	196	0.019	<1	2.29	0.007	0.04	<0.1	0.02	5.5	<0.1	<0.05	6	<0.5
1345839	Soil	10	10	1.95	165	0.008	<1	2.68	0.003	0.04	<0.1	0.02	6.7	<0.1	<0.05	7	<0.5
1345843	Soil	17	35	1.53	212	0.020	<1	2.44	0.003	0.05	<0.1	0.02	6.1	0.1	<0.05	7	<0.5
1345841	Soil	29	19	0.99	270	0.006	<1	1.57	0.003	0.08	<0.1	0.04	2.9	<0.1	<0.05	5	<0.5
1345842	Soil	19	15	0.79	257	0.002	<1	1.00	0.002	0.07	<0.1	0.01	10.5	<0.1	<0.05	3	0.6
1345844	Soil	16	32	0.56	241	0.043	<1	1.86	0.006	0.05	0.1	0.03	4.6	<0.1	<0.05	6	<0.5
1354957	Soil	26	32	1.49	138	0.028	<1	1.71	0.003	0.10	<0.1	<0.01	8.8	0.1	<0.05	6	<0.5
1354958	Soil	17	16	0.99	175	0.016	<1	1.67	0.005	0.05	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5
1354955	Soil	16	18	1.20	202	0.014	<1	1.88	0.004	0.06	<0.1	0.03	6.2	<0.1	<0.05	6	<0.5
1338270	Soil	14	13	0.66	285	0.015	<1	1.14	0.004	0.07	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5
1338273	Soil	8	9	1.35	83	0.006	<1	1.62	0.003	0.04	<0.1	<0.01	4.1	<0.1	<0.05	5	<0.5
1354956	Soil	17	19	0.97	273	0.029	<1	1.63	0.005	0.05	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5
1354951	Rock Pulp	4	28	0.70	90	0.110	2	1.37	0.073	0.12	11.4	0.02	4.6	<0.1	<0.05	5	<0.5
1354959	Soil	21	18	0.90	208	0.011	<1	1.46	0.003	0.06	<0.1	0.01	5.0	<0.1	<0.05	5	<0.5
1338271	Soil	14	22	1.02	276	0.010	<1	1.50	0.004	0.06	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5
1354952	Soil	18	9	0.48	112	0.002	<1	0.76	0.002	0.06	<0.1	0.07	2.5	<0.1	<0.05	3	<0.5
1354960	Soil	20	23	0.87	305	0.023	<1	1.45	0.004	0.06	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5
1354954	Soil	11	8	1.00	106	0.007	<1	1.42	0.002	0.05	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5

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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1374247	Soil	0.3	39.0	5.2	81	0.1	16.5	22.0	1163	5.09	4.5	0.3	2.4	3.0	13	0.2	0.6	<0.1	91	1.78	0.088
REP 1374247	QC	0.4	40.2	5.4	81	<0.1	16.5	22.0	1199	5.29	4.9	0.3	2.3	3.0	12	0.2	0.6	<0.1	94	1.90	0.088
1345569	Soil	0.4	46.7	4.0	69	<0.1	13.5	19.1	786	5.28	14.8	0.4	2.3	1.5	11	<0.1	0.3	<0.1	68	0.24	0.040
REP 1345569	QC	0.4	47.3	4.0	74	<0.1	13.3	18.1	809	5.33	13.9	0.4	2.3	1.4	11	<0.1	0.4	<0.1	68	0.23	0.040
1369761	Soil	0.4	39.2	9.1	63	0.3	19.4	16.7	689	3.57	7.8	1.0	8.0	2.9	22	0.1	0.4	0.1	57	0.56	0.062
REP 1369761	QC	0.4	40.5	9.2	65	0.3	18.9	16.6	703	3.35	7.9	1.1	3.1	2.8	22	<0.1	0.4	0.1	56	0.56	0.058
1392769	Soil	0.3	11.7	3.6	92	<0.1	3.6	6.7	817	3.71	3.0	0.8	8.1	5.1	12	<0.1	0.2	<0.1	14	0.28	0.091
REP 1392769	QC	0.3	11.4	3.8	92	<0.1	3.7	6.7	798	3.70	3.3	0.6	5.9	5.2	12	<0.1	0.2	<0.1	15	0.27	0.094
1354920	Soil	<0.1	34.0	9.6	28	<0.1	17.0	6.6	183	0.89	3.3	1.3	1.9	5.0	18	<0.1	0.2	<0.1	13	0.31	0.076
REP 1354920	QC	0.1	35.8	9.5	27	<0.1	17.0	6.5	178	0.85	2.9	1.3	0.8	4.7	19	<0.1	0.3	<0.1	12	0.29	0.082
1357041	Soil	1.6	17.9	14.2	76	0.2	19.0	12.2	368	2.95	14.4	0.6	4.8	3.0	19	0.1	0.4	0.2	56	0.31	0.075
REP 1357041	QC	1.6	18.7	13.9	78	0.2	18.7	12.2	369	2.98	15.4	0.6	3.7	2.9	19	0.1	0.4	0.2	56	0.28	0.080
1339633	Soil	0.7	33.4	11.3	66	0.1	25.1	12.9	562	3.15	14.4	1.0	2.3	4.7	18	<0.1	0.4	0.1	56	0.28	0.052
REP 1339633	QC	0.7	32.5	11.2	67	0.1	25.3	12.9	567	3.19	14.0	0.9	0.9	4.8	17	<0.1	0.4	0.1	54	0.27	0.054
1354855	Soil	<0.1	64.4	4.4	71	0.2	16.5	23.0	1229	5.03	2.2	0.3	5.5	1.7	14	0.2	0.2	<0.1	91	0.39	0.074
REP 1354855	QC	<0.1	62.0	4.4	70	0.3	16.3	23.6	1213	5.07	2.2	0.3	6.3	1.7	14	0.1	0.2	<0.1	91	0.39	0.070
1345845	Soil	1.1	25.6	13.0	73	<0.1	23.0	12.5	328	3.50	107.7	0.6	6.0	4.3	9	<0.1	0.3	0.1	49	0.09	0.031
REP 1345845	QC	1.1	27.7	12.7	78	0.1	23.3	12.9	343	3.53	105.1	0.7	4.4	4.3	9	<0.1	0.3	0.1	48	0.09	0.033
Reference Materials																					
STD DS10	Standard	15.4	158.3	153.5	391	1.9	80.3	13.0	917	2.85	45.3	2.7	63.6	7.4	71	2.5	8.6	11.1	52	1.08	0.082
STD DS10	Standard	15.9	166.0	151.1	378	1.9	79.5	13.3	937	2.87	46.8	2.8	71.8	8.0	71	2.8	9.2	12.6	48	1.08	0.078
STD DS10	Standard	14.5	161.0	151.1	371	1.8	75.3	13.3	899	2.92	44.5	2.7	80.2	7.9	68	2.5	8.4	11.6	47	1.01	0.080
STD DS10	Standard	15.9	159.2	159.0	379	1.9	74.2	12.9	880	2.79	47.9	2.8	71.1	8.4	69	2.6	8.4	12.2	48	1.07	0.080
STD DS10	Standard	16.3	162.9	157.8	381	2.0	82.0	13.2	914	2.89	46.1	2.8	73.8	8.3	68	2.4	9.0	11.3	50	1.12	0.080
STD DS10	Standard	14.5	167.2	159.5	386	1.8	82.4	13.5	952	2.92	47.0	2.7	78.1	7.6	71	2.7	8.7	11.6	49	1.17	0.080
STD DS10	Standard	15.0	148.2	151.8	349	1.8	72.4	13.2	865	2.70	42.6	2.5	115.2	7.8	63	2.4	7.4	11.0	47	1.04	0.068
STD DS10	Standard	14.5	150.2	151.1	348	1.8	73.4	12.9	820	2.63	42.6	2.6	99.4	7.6	64	2.5	8.1	11.7	44	0.98	0.067
STD DS10	Standard	15.7	163.5	163.1	386	2.0	80.4	13.7	940	2.89	45.3	2.8	88.1	8.1	67	2.3	8.8	11.7	51	1.14	0.073

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1374247	Soil	12	24	0.89	173	0.007	3	1.33	0.005	0.06	<0.1	<0.01	15.8	<0.1	<0.05	5	<0.5	<0.2
REP 1374247	QC	12	24	0.88	178	0.007	2	1.32	0.003	0.06	<0.1	0.02	15.9	<0.1	<0.05	4	<0.5	<0.2
1345569	Soil	3	13	2.21	126	0.031	<1	2.74	0.003	0.04	<0.1	0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
REP 1345569	QC	3	13	2.14	131	0.029	<1	2.63	0.003	0.04	<0.1	<0.01	4.2	<0.1	<0.05	8	<0.5	<0.2
1369761	Soil	15	20	1.22	285	0.020	2	2.03	0.006	0.04	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
REP 1369761	QC	14	20	1.16	281	0.020	2	1.97	0.006	0.04	<0.1	0.04	5.7	<0.1	<0.05	6	0.6	<0.2
1392769	Soil	18	4	1.63	166	0.042	<1	1.93	0.002	0.10	<0.1	<0.01	6.2	<0.1	<0.05	6	<0.5	<0.2
REP 1392769	QC	18	4	1.64	172	0.040	<1	1.87	0.003	0.09	<0.1	<0.01	5.6	<0.1	<0.05	6	<0.5	<0.2
1354920	Soil	15	8	0.38	120	0.038	<1	0.56	0.005	0.06	<0.1	<0.01	3.3	<0.1	<0.05	2	0.5	<0.2
REP 1354920	QC	15	8	0.37	122	0.038	<1	0.55	0.005	0.05	<0.1	0.01	3.1	<0.1	<0.05	2	0.6	<0.2
1357041	Soil	11	27	1.21	150	0.044	<1	1.71	0.007	0.05	0.1	0.04	4.1	<0.1	<0.05	5	0.8	<0.2
REP 1357041	QC	11	27	1.28	151	0.041	<1	1.76	0.007	0.05	0.1	0.04	3.9	<0.1	<0.05	6	0.7	<0.2
1339633	Soil	17	31	1.12	281	0.033	1	2.04	0.006	0.05	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
REP 1339633	QC	17	31	1.19	290	0.032	1	2.02	0.007	0.04	<0.1	0.04	5.2	<0.1	<0.05	6	<0.5	<0.2
1354855	Soil	10	28	2.86	207	0.008	<1	3.01	0.003	0.04	<0.1	0.02	10.7	<0.1	<0.05	8	<0.5	<0.2
REP 1354855	QC	10	29	2.81	207	0.009	<1	2.98	0.003	0.04	<0.1	<0.01	10.5	<0.1	<0.05	8	<0.5	<0.2
1345845	Soil	18	30	1.36	216	0.020	<1	2.34	0.005	0.06	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
REP 1345845	QC	18	30	1.45	214	0.021	<1	2.39	0.004	0.05	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	19	60	0.82	371	0.088	6	1.12	0.069	0.35	3.2	0.32	3.1	5.3	0.31	5	3.1	4.6
STD DS10	Standard	19	60	0.81	344	0.090	7	1.16	0.076	0.34	2.9	0.30	3.4	5.1	0.29	5	2.3	4.9
STD DS10	Standard	19	58	0.80	357	0.085	8	1.10	0.069	0.30	3.1	0.29	3.3	5.0	0.30	4	2.5	4.9
STD DS10	Standard	20	60	0.82	363	0.089	7	1.11	0.071	0.35	3.0	0.29	3.3	5.1	0.34	5	2.5	4.7
STD DS10	Standard	19	59	0.82	369	0.087	6	1.11	0.064	0.32	3.1	0.30	3.0	5.0	0.26	4	2.0	4.4
STD DS10	Standard	19	59	0.80	382	0.086	7	1.06	0.062	0.35	3.0	0.28	3.0	5.2	0.28	5	2.7	4.8
STD DS10	Standard	18	56	0.77	343	0.081	5	1.03	0.061	0.31	3.0	0.29	3.0	5.0	0.25	4	1.8	5.2
STD DS10	Standard	18	55	0.75	337	0.081	7	0.93	0.062	0.32	2.9	0.33	3.1	4.7	0.25	4	2.3	4.5
STD DS10	Standard	20	60	0.82	367	0.089	7	1.14	0.068	0.34	3.1	0.29	3.2	5.2	0.27	5	1.2	5.7

QUALITY CONTROL REPORT

WHI14000227.1

		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 U ppm 0.1	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001
STD OXC109	Standard	1.5	36.6	11.6	40	<0.1	78.5	21.3	428	3.06	0.6	0.6	197.6	1.6	155	<0.1	<0.1	<0.1	54	0.80	0.110
STD OXC109	Standard	1.5	38.2	11.3	41	<0.1	76.4	19.9	422	3.02	<0.5	0.6	205.1	1.6	153	<0.1	<0.1	<0.1	53	0.79	0.116
STD OXC109	Standard	1.5	36.1	11.1	39	<0.1	70.3	18.8	389	2.82	0.7	0.6	192.3	1.5	136	<0.1	<0.1	<0.1	46	0.70	0.106
STD OXC109	Standard	1.5	36.9	11.8	41	<0.1	71.8	19.5	413	2.88	0.6	0.6	192.0	1.6	146	<0.1	<0.1	<0.1	52	0.75	0.105
STD OXC109	Standard	1.8	33.8	11.2	38	<0.1	74.6	19.9	400	2.94	<0.5	0.6	188.2	1.5	139	<0.1	<0.1	<0.1	51	0.74	0.103
STD OXC109	Standard	1.2	36.8	11.7	42	<0.1	78.0	20.8	414	3.15	<0.5	0.6	195.6	1.5	152	<0.1	<0.1	<0.1	52	0.75	0.110
STD OXC109	Standard	1.4	34.3	10.5	37	<0.1	70.6	19.1	381	2.70	1.1	0.6	187.0	1.5	135	<0.1	<0.1	<0.1	50	0.72	0.099
STD OXC109	Standard	1.4	35.3	11.3	39	<0.1	70.9	19.5	409	2.84	0.6	0.6	192.5	1.5	145	<0.1	<0.1	<0.1	51	0.72	0.099
STD OXC109	Standard	1.3	34.8	11.3	38	<0.1	72.9	20.1	407	2.87	0.9	0.6	198.7	1.5	141	<0.1	<0.1	<0.1	52	0.77	0.098
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OXC109 Expected		201																			
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001

QUALITY CONTROL REPORT

WHI14000227.1

		AQ201 La ppm 1	AQ201 Cr ppm 1	AQ201 Mg % 0.01	AQ201 Ba ppm 1	AQ201 Ti % 0.001	AQ201 B ppm 1	AQ201 Al % 0.01	AQ201 Na % 0.001	AQ201 K % 0.01	AQ201 W ppm 0.1	AQ201 Hg ppm 0.01	AQ201 Sc ppm 0.1	AQ201 Ti ppm 0.1	AQ201 S % 0.05	AQ201 Ga ppm 1	AQ201 Se ppm 0.5	AQ201 Te ppm 0.2
STD OXC109	Standard	13	63	1.56	58	0.408	1	1.62	0.714	0.42	0.2	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	63	1.60	58	0.405	1	1.70	0.703	0.40	0.2	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	12	57	1.45	57	0.378	<1	1.58	0.647	0.38	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	13	62	1.46	57	0.409	2	1.59	0.660	0.40	0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	60	1.45	60	0.378	3	1.48	0.647	0.39	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	62	1.51	58	0.383	2	1.54	0.684	0.42	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	12	58	1.40	53	0.372	<1	1.53	0.660	0.37	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	13	58	1.49	58	0.378	2	1.54	0.653	0.39	0.2	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	61	1.49	55	0.394	1	1.56	0.651	0.40	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OXC109 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 02, 2014
Report Date: October 16, 2014
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI14000228.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-09-25
P.O. Number
Number of Samples: 296

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	296	Dry at 60C			WHI
SS80	292	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	296	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISP2	296	Heat treatment of Soils and Sediments			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.

CERTIFICATE OF ANALYSIS

WHI14000228.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1392877	Soil	0.4	83.3	8.5	64	<0.1	22.4	24.4	1207	4.60	7.0	0.3	5.9	2.3	4	<0.1	0.6	<0.1	79	0.09	0.028
1338346	Soil	0.8	27.0	8.8	73	<0.1	9.3	16.5	885	4.79	3.9	0.6	3.9	2.8	7	<0.1	0.5	0.1	102	0.09	0.031
1338268	Soil	1.1	23.3	11.7	66	0.1	19.2	10.5	519	3.11	19.7	2.2	4.2	3.5	30	0.2	0.3	0.1	46	0.53	0.081
1338266	Soil	1.0	23.8	7.3	56	0.1	13.6	8.6	604	3.57	66.2	1.4	18.1	4.0	28	0.2	0.3	0.2	32	0.51	0.117
1338350	Soil	0.2	44.9	7.3	83	0.2	11.0	23.0	1327	4.74	2.9	0.4	2.8	2.7	8	0.2	0.3	0.2	105	0.26	0.070
1392879	Soil	1.0	44.7	6.5	64	0.3	21.9	21.1	595	5.97	7.1	0.2	1.0	1.1	7	0.1	0.3	0.1	161	0.09	0.024
1338344	Soil	0.5	157.4	5.2	98	0.1	18.4	29.5	1066	5.66	4.7	0.4	7.4	1.8	7	<0.1	0.3	<0.1	95	0.20	0.033
1338265	Soil	0.7	18.5	11.1	74	0.2	15.7	9.8	594	3.05	12.1	1.5	6.0	2.9	38	0.3	0.2	0.1	38	0.60	0.092
1338349	Soil	1.9	37.3	9.0	100	<0.1	22.4	15.4	635	5.29	160.7	0.9	3.0	4.8	4	0.1	0.3	<0.1	74	0.07	0.037
1392878	Soil	0.4	92.7	7.8	70	0.5	24.2	22.8	726	5.67	27.4	0.5	7.1	2.3	5	<0.1	0.3	0.1	132	0.07	0.015
1338345	Soil	0.8	47.3	5.5	81	<0.1	3.6	11.5	771	4.53	4.0	0.8	8.2	2.9	3	<0.1	0.6	<0.1	33	0.09	0.046
1338269	Soil	0.9	25.2	10.7	72	0.1	17.9	13.0	708	3.36	15.5	1.6	39.4	2.4	30	0.2	0.3	0.1	53	0.60	0.058
1338348	Soil	1.0	34.5	9.3	84	<0.1	27.4	15.3	611	4.32	6.8	0.6	1.5	4.4	6	0.1	0.3	0.1	82	0.07	0.028
1392876	Soil	0.4	46.5	4.6	49	<0.1	23.3	15.8	575	3.56	3.8	0.4	3.4	1.7	9	<0.1	0.3	<0.1	84	0.18	0.018
1392880	Soil	0.2	40.5	7.4	63	0.2	21.1	17.7	1163	4.60	2.0	0.2	2.1	2.5	9	<0.1	<0.1	<0.1	78	0.19	0.036
1338272	Soil	0.3	25.0	11.2	67	0.2	14.3	12.0	692	3.51	29.0	0.5	5.4	2.3	11	<0.1	0.2	0.1	48	0.23	0.074
1392885	Soil	1.3	42.3	10.4	85	<0.1	37.5	22.4	801	3.79	94.2	0.6	4.3	5.3	8	0.4	0.2	<0.1	52	0.19	0.084
1338261	Soil	1.1	15.7	12.6	74	0.2	13.7	7.8	417	2.70	9.9	1.1	4.2	3.7	13	0.2	0.3	0.1	38	0.24	0.071
1338258	Soil	1.1	12.7	6.3	59	0.2	15.0	6.6	429	2.80	12.1	1.7	10.0	6.7	11	0.1	0.2	0.1	18	0.27	0.097
1338347	Soil	0.8	21.5	5.8	73	<0.1	4.4	9.8	918	3.78	2.3	0.6	7.6	2.1	5	<0.1	0.3	<0.1	38	0.08	0.049
1392889	Soil	1.4	43.4	21.9	95	0.5	25.6	17.1	849	3.95	17.9	0.4	3.8	5.6	11	0.3	0.2	0.2	31	0.24	0.087
1392884	Soil	1.0	38.2	13.0	88	0.2	34.3	18.6	657	4.33	17.1	0.6	2.3	5.1	13	0.2	0.2	0.1	78	0.27	0.055
1338257	Soil	1.0	13.1	5.8	57	0.2	16.1	5.9	293	2.45	16.2	1.8	7.3	7.3	11	0.1	0.2	0.1	17	0.22	0.079
1338260	Soil	1.1	17.5	8.7	61	0.2	14.6	6.2	241	2.23	14.2	1.3	6.8	3.4	14	0.2	0.3	0.1	26	0.25	0.073
1392890	Soil	0.8	16.0	16.3	67	<0.1	5.3	19.1	786	4.43	5.6	0.2	1.1	1.9	5	<0.1	0.2	0.1	61	0.08	0.046
1392886	Soil	1.5	31.8	13.7	97	0.2	30.3	11.1	343	3.63	174.2	0.9	30.3	4.3	14	0.2	0.3	0.1	42	0.20	0.078
1338262	Soil	1.0	10.1	8.9	49	0.1	13.3	6.7	396	2.28	8.9	1.6	7.9	8.8	14	0.1	0.2	0.1	16	0.27	0.085
1338259	Soil	0.8	20.2	11.6	71	0.4	16.7	9.7	616	2.71	11.8	1.0	7.6	1.7	19	0.2	0.2	0.1	44	0.31	0.076
1392891	Soil	0.3	18.4	12.5	67	<0.1	6.4	16.8	1320	4.66	3.3	0.2	0.8	2.3	6	0.1	<0.1	<0.1	54	0.10	0.040
1392888	Soil	2.0	45.0	14.8	98	0.2	39.1	12.8	338	3.64	299.9	0.8	19.2	4.8	19	0.2	0.3	0.1	46	0.22	0.082

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1392877	Soil	13	17	2.58	78	0.050	<1	2.66	0.002	0.04	<0.1	<0.01	6.5	<0.1	<0.05	7	<0.5
1338346	Soil	16	15	1.91	229	0.028	1	2.89	0.004	0.04	<0.1	0.03	10.5	<0.1	<0.05	9	<0.5
1338268	Soil	15	19	0.98	266	0.017	1	1.53	0.006	0.05	0.1	0.02	4.8	<0.1	<0.05	5	1.3
1338266	Soil	15	14	0.62	217	0.016	1	1.27	0.006	0.05	0.1	0.03	5.3	<0.1	<0.05	4	0.7
1338350	Soil	12	16	2.72	100	0.004	<1	2.84	0.003	0.03	<0.1	0.02	14.1	<0.1	<0.05	10	<0.5
1392879	Soil	5	26	2.26	86	0.047	<1	3.82	0.003	0.03	<0.1	0.02	9.9	<0.1	<0.05	13	<0.5
1338344	Soil	13	21	2.92	149	0.010	<1	3.18	0.003	0.03	<0.1	0.02	13.8	<0.1	<0.05	8	<0.5
1338265	Soil	14	15	0.91	240	0.013	1	1.55	0.005	0.05	<0.1	0.03	4.9	<0.1	<0.05	5	0.7
1338349	Soil	13	22	2.12	154	0.012	<1	2.65	0.003	0.04	<0.1	0.02	8.1	<0.1	<0.05	8	0.6
1392878	Soil	8	29	2.71	82	0.018	<1	3.80	0.003	0.02	<0.1	0.03	14.3	<0.1	<0.05	9	<0.5
1338345	Soil	14	3	0.67	86	0.003	<1	1.11	0.002	0.03	<0.1	0.01	8.9	<0.1	<0.05	3	<0.5
1338269	Soil	10	19	1.32	242	0.026	<1	2.01	0.007	0.05	0.1	0.02	4.9	<0.1	<0.05	6	0.9
1338348	Soil	13	40	1.81	196	0.037	<1	2.55	0.003	0.05	<0.1	0.02	9.5	0.1	<0.05	8	0.5
1392876	Soil	7	42	2.01	172	0.045	<1	2.51	0.003	0.03	<0.1	<0.01	6.8	<0.1	<0.05	8	<0.5
1392880	Soil	11	37	3.00	140	0.008	<1	3.03	0.002	0.03	<0.1	0.02	7.8	<0.1	<0.05	8	<0.5
1338272	Soil	11	16	1.48	170	0.011	<1	2.15	0.004	0.05	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5
1392885	Soil	14	44	2.34	155	0.004	<1	2.60	0.002	0.04	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5
1338261	Soil	18	16	0.71	236	0.020	<1	1.33	0.005	0.05	0.1	0.03	3.8	<0.1	<0.05	4	<0.5
1338258	Soil	23	13	0.63	167	0.009	<1	1.16	0.003	0.04	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5
1338347	Soil	9	6	0.66	187	0.014	<1	1.38	0.003	0.05	<0.1	0.01	7.3	<0.1	<0.05	6	<0.5
1392889	Soil	9	19	2.01	75	0.003	<1	2.19	0.002	0.05	<0.1	<0.01	3.8	<0.1	<0.05	6	<0.5
1392884	Soil	19	47	2.26	186	0.014	<1	2.48	0.003	0.04	<0.1	0.01	10.3	<0.1	<0.05	7	<0.5
1338257	Soil	27	13	0.50	192	0.012	<1	0.98	0.003	0.04	<0.1	0.01	2.7	<0.1	<0.05	3	<0.5
1338260	Soil	17	15	0.51	251	0.020	<1	1.01	0.006	0.05	<0.1	0.03	3.1	<0.1	<0.05	3	<0.5
1392890	Soil	5	9	1.73	76	0.012	<1	2.64	0.002	0.03	<0.1	<0.01	3.9	<0.1	<0.05	8	<0.5
1392886	Soil	24	27	1.73	167	0.008	<1	2.16	0.003	0.07	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5
1338262	Soil	30	10	0.32	179	0.006	<1	0.68	0.004	0.06	<0.1	0.02	3.0	<0.1	<0.05	2	<0.5
1338259	Soil	16	19	0.91	410	0.011	<1	1.71	0.005	0.07	0.1	0.03	3.6	<0.1	<0.05	5	<0.5
1392891	Soil	10	9	2.39	100	0.009	<1	3.12	0.002	0.04	<0.1	<0.01	4.7	<0.1	<0.05	7	<0.5
1392888	Soil	21	28	2.02	171	0.009	<1	2.30	0.003	0.07	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1338267	Soil	0.6	16.3	6.8	66	<0.1	13.2	8.9	500	2.99	15.9	1.9	23.7	2.9	30	0.1	0.2	0.1	35	0.62	0.098
1338264	Soil	1.4	23.6	15.6	81	0.2	18.6	8.4	535	2.97	9.5	1.4	11.0	3.4	31	0.2	0.3	0.2	46	0.59	0.075
1338336	Soil	0.8	33.3	8.1	89	0.1	26.3	12.5	513	3.53	62.2	0.6	10.7	3.7	14	0.2	0.3	0.1	52	0.19	0.074
1338332	Soil	0.9	28.4	10.2	74	0.1	20.8	12.5	711	3.47	14.3	0.6	6.9	3.3	15	0.1	0.5	0.1	55	0.29	0.050
1338327	Soil	0.9	25.7	11.3	82	0.2	21.7	10.5	486	3.43	17.6	0.8	7.6	4.2	13	0.1	0.3	0.1	55	0.24	0.060
1392883	Soil	0.4	16.5	9.1	64	<0.1	9.1	15.1	764	4.09	5.6	0.2	2.1	2.2	3	<0.1	0.2	<0.1	55	0.06	0.024
1338335	Soil	0.3	38.7	12.7	77	0.2	19.2	16.6	1135	3.86	14.9	0.4	5.7	2.9	12	0.2	0.2	0.1	46	0.25	0.069
1338263	Soil	1.1	19.7	9.1	87	0.2	14.1	7.9	336	2.92	8.7	1.1	22.2	4.1	18	0.2	0.3	0.2	28	0.37	0.085
1338328	Soil	0.8	22.2	10.6	73	<0.1	17.1	9.1	382	2.95	13.4	0.7	49.9	3.6	11	<0.1	0.3	<0.1	41	0.19	0.035
1392881	Soil	1.2	35.4	10.4	55	0.1	15.3	9.1	379	2.87	9.9	0.3	2.2	4.2	6	<0.1	0.2	<0.1	25	0.10	0.018
1338337	Soil	0.7	33.9	6.7	97	0.1	21.6	11.9	606	3.74	25.4	0.9	33.6	3.2	16	0.2	0.2	0.1	50	0.33	0.087
1338334	Soil	0.4	34.4	22.5	73	0.1	32.0	12.8	639	2.64	22.1	0.7	6.4	4.5	12	0.1	0.3	0.3	22	0.22	0.077
1338329	Soil	0.8	27.5	9.0	75	0.2	19.3	10.3	592	3.13	11.2	0.7	356.2	3.8	14	0.1	0.3	<0.1	40	0.26	0.058
1392882	Soil	0.9	19.7	10.0	54	0.1	18.8	9.9	364	3.07	9.3	0.4	3.1	2.9	7	<0.1	0.6	0.1	50	0.09	0.017
1338338	Soil	0.9	25.3	6.5	62	0.2	10.2	10.5	529	3.41	3.4	0.6	6.4	2.2	11	<0.1	0.3	0.1	48	0.21	0.051
1338331	Soil	0.8	33.7	16.0	87	<0.1	23.4	13.4	660	3.52	18.1	0.6	7.1	4.3	16	0.2	0.4	<0.1	42	0.26	0.066
1338330	Soil	0.8	22.1	11.4	65	0.1	16.2	10.8	411	3.19	11.3	0.6	5.0	3.5	8	<0.1	0.4	<0.1	52	0.12	0.025
1338326	Soil	1.3	24.3	13.1	80	0.3	20.5	12.2	633	3.29	30.4	0.6	9.4	3.9	11	0.1	0.3	0.1	48	0.20	0.051
1338317	Soil	1.3	52.8	20.3	123	0.4	15.2	14.6	412	3.97	12.9	1.2	13.6	2.8	12	0.5	0.4	0.2	56	0.24	0.063
1338316	Soil	1.5	41.3	36.5	122	0.4	13.8	14.8	323	3.53	11.9	1.0	14.5	2.6	14	0.7	0.3	0.2	45	0.27	0.079
1338312	Soil	0.9	125.9	8.8	65	1.2	26.6	19.3	815	3.36	13.8	0.9	16.0	2.7	21	0.3	0.3	0.7	39	0.65	0.067
1338313	Soil	0.9	77.0	7.0	65	0.8	29.5	16.9	839	3.69	14.1	1.0	9.6	4.9	14	0.2	0.3	0.5	40	0.40	0.066
1338320	Soil	1.5	25.0	13.5	77	0.1	18.3	10.5	353	2.92	15.3	0.7	9.5	3.6	9	0.1	0.3	0.1	37	0.17	0.055
1338315	Soil	1.0	26.4	5.7	42	0.3	11.5	13.3	533	3.16	10.9	1.2	7.9	2.2	22	0.2	0.3	0.4	26	0.71	0.089
1338318	Soil	1.3	47.9	13.3	96	0.3	13.4	14.8	426	3.75	15.7	1.0	29.5	3.6	8	0.3	0.4	0.3	37	0.17	0.061
1338314	Soil	1.1	48.3	5.8	57	0.5	25.7	20.7	1189	3.99	13.7	1.2	7.1	3.1	16	0.2	0.3	0.6	41	0.49	0.101
1338342	Soil	1.2	31.8	11.2	64	0.2	29.5	10.8	297	3.01	54.6	0.8	12.5	4.3	10	0.1	0.7	0.2	55	0.09	0.024
1338340	Soil	1.3	45.8	11.3	82	0.1	23.8	15.5	882	4.09	35.5	0.6	17.0	4.4	7	0.1	0.3	<0.1	44	0.26	0.084
1338322	Soil	1.3	23.9	13.3	67	0.2	21.2	7.8	238	3.13	92.8	0.7	10.0	2.8	7	0.1	0.4	0.2	53	0.09	0.040
1338321	Soil	0.8	19.9	12.0	71	0.2	16.0	10.4	342	2.90	26.8	0.5	4.3	3.9	11	0.1	0.2	0.1	38	0.20	0.067

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1338267	Soil	12	14	0.87	168	0.012	<1	1.49	0.004	0.05	<0.1	0.02	4.5	<0.1	<0.05	5	0.9	<0.2
1338264	Soil	17	22	0.69	331	0.022	<1	1.41	0.008	0.06	0.1	0.04	5.6	<0.1	<0.05	5	0.5	<0.2
1338336	Soil	14	21	1.09	151	0.012	<1	1.57	0.003	0.06	<0.1	<0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1338332	Soil	13	21	1.16	238	0.028	<1	1.80	0.006	0.04	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
1338327	Soil	17	25	1.51	240	0.024	<1	2.23	0.004	0.05	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1392883	Soil	7	10	1.90	103	0.005	<1	2.64	0.002	0.04	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
1338335	Soil	11	15	1.77	97	0.005	<1	2.11	0.002	0.04	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1338263	Soil	17	15	0.70	352	0.015	<1	1.24	0.005	0.04	0.1	0.04	4.4	<0.1	<0.05	4	0.5	<0.2
1338328	Soil	12	20	1.13	267	0.014	<1	1.75	0.003	0.03	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1392881	Soil	7	22	1.12	171	0.004	<1	1.79	0.002	0.03	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1338337	Soil	10	23	1.20	148	0.007	<1	1.42	0.003	0.05	<0.1	<0.01	6.7	<0.1	<0.05	6	<0.5	<0.2
1338334	Soil	11	14	0.91	109	0.008	<1	1.31	0.003	0.04	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1338329	Soil	10	18	1.37	221	0.015	<1	1.83	0.003	0.03	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1392882	Soil	9	21	0.88	208	0.021	<1	2.01	0.004	0.04	0.1	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
1338338	Soil	9	12	0.94	224	0.012	<1	1.47	0.003	0.04	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
1338331	Soil	12	18	1.54	192	0.012	<1	1.98	0.005	0.04	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1338330	Soil	12	20	1.14	209	0.021	<1	1.89	0.004	0.03	0.1	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
1338326	Soil	15	22	1.28	243	0.014	<1	2.06	0.005	0.04	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
1338317	Soil	14	18	1.15	314	0.009	<1	1.91	0.004	0.03	<0.1	0.08	6.0	<0.1	<0.05	6	1.0	<0.2
1338316	Soil	13	16	0.99	370	0.007	<1	1.69	0.003	0.03	<0.1	0.09	4.4	<0.1	<0.05	5	0.9	<0.2
1338312	Soil	14	41	1.45	203	0.008	<1	1.76	0.003	0.02	<0.1	0.06	5.2	<0.1	<0.05	5	1.0	<0.2
1338313	Soil	21	44	1.27	220	0.009	<1	1.75	0.003	0.02	<0.1	0.04	5.1	<0.1	<0.05	5	0.9	<0.2
1338320	Soil	14	25	1.04	230	0.015	<1	1.63	0.003	0.04	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1338315	Soil	17	12	0.86	245	0.009	<1	1.50	0.004	0.02	<0.1	0.04	3.5	<0.1	0.07	4	0.9	<0.2
1338318	Soil	13	15	0.95	171	0.011	<1	1.53	0.004	0.03	<0.1	0.07	5.4	<0.1	<0.05	5	0.7	<0.2
1338314	Soil	20	55	1.31	206	0.010	<1	2.00	0.004	0.03	<0.1	0.04	5.1	<0.1	<0.05	6	0.9	<0.2
1338342	Soil	14	32	0.63	209	0.039	1	1.96	0.006	0.05	0.2	0.05	4.9	<0.1	<0.05	5	<0.5	<0.2
1338340	Soil	13	20	1.52	136	0.004	1	2.13	0.002	0.03	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1338322	Soil	13	24	0.94	214	0.015	<1	1.94	0.003	0.04	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1338321	Soil	12	21	1.29	212	0.041	1	1.75	0.003	0.05	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1338343	Soil	1.1	66.1	9.8	195	0.3	8.0	15.2	994	5.85	4.4	0.7	13.9	3.1	3	0.3	0.2	0.2	79	0.04	0.064
1338341	Soil	1.1	34.6	76.9	80	0.6	37.0	15.1	950	2.93	21.3	0.7	6.6	5.8	11	0.3	0.2	0.6	23	0.26	0.089
1338339	Soil	1.0	13.8	9.3	77	0.1	7.3	5.0	431	2.53	3.5	0.7	7.2	4.7	5	<0.1	0.2	0.2	16	0.12	0.046
1338323	Soil	1.2	23.6	11.1	73	0.2	21.6	9.8	328	2.99	76.1	0.6	7.1	3.6	8	0.1	0.4	0.1	47	0.13	0.047
1338333	Soil	0.8	19.1	8.5	60	0.1	14.8	11.1	508	3.29	13.7	0.6	4.7	2.7	9	<0.1	0.3	0.1	49	0.15	0.023
1392887	Soil	1.4	28.6	13.5	77	0.2	23.2	10.3	358	3.16	67.3	0.7	12.1	3.0	11	<0.1	0.3	0.1	44	0.15	0.058
1338319	Soil	1.1	84.5	12.8	217	0.1	9.6	25.1	662	5.65	13.3	0.7	25.1	2.3	6	0.2	0.5	0.3	82	0.13	0.079
1385234	Soil	0.3	72.6	5.6	66	0.4	18.4	19.3	815	4.45	4.9	0.3	3.8	1.4	12	<0.1	0.3	<0.1	73	0.39	0.068
1385226	Soil	0.8	38.2	9.0	82	0.6	28.7	12.0	645	3.76	103.7	1.3	4.4	6.3	16	0.2	0.5	0.2	32	0.53	0.141
1385230	Soil	0.7	39.3	9.3	58	0.4	21.5	16.6	978	3.66	12.3	0.7	2.3	2.6	19	0.1	0.5	0.1	62	0.53	0.041
1385231	Soil	0.2	28.6	2.7	52	0.5	9.9	18.3	675	3.62	4.4	0.1	4.7	1.3	15	<0.1	0.3	<0.1	58	0.95	0.078
1385236	Soil	0.3	62.4	7.9	71	0.2	23.6	19.7	945	4.73	2.9	0.5	5.3	2.3	12	0.1	0.2	<0.1	102	0.29	0.056
1385237	Soil	0.3	64.3	6.4	70	0.2	19.7	22.1	672	4.38	4.0	0.7	21.1	1.3	27	0.2	0.2	<0.1	91	0.63	0.062
1385229	Soil	0.7	26.1	12.1	64	0.2	22.1	10.6	556	2.97	23.4	0.9	3.6	4.8	17	<0.1	0.4	0.2	48	0.34	0.022
1385232	Soil	0.2	44.3	4.6	63	0.3	13.9	19.6	993	3.99	8.2	0.3	2.9	1.6	8	<0.1	0.5	<0.1	51	0.23	0.054
1385235	Soil	0.7	58.3	9.4	66	0.2	22.5	19.2	633	4.21	8.5	0.8	6.3	2.3	17	0.1	0.3	0.2	79	0.36	0.037
1385228	Soil	0.8	29.2	9.0	60	0.2	18.2	10.7	360	3.28	15.3	0.5	3.8	3.6	10	<0.1	0.5	0.2	48	0.20	0.026
1385227	Soil	0.6	37.5	10.5	81	0.5	18.5	15.9	930	4.29	16.0	0.8	10.0	3.5	14	0.3	0.4	0.1	63	0.37	0.077
1385233	Soil	0.3	57.6	6.4	69	0.3	15.2	18.3	753	4.11	8.7	0.3	17.1	1.1	12	<0.1	0.4	<0.1	55	0.27	0.041
1385206	Soil	0.3	63.2	9.2	68	<0.1	25.1	16.5	752	3.73	7.1	0.7	6.7	3.2	13	<0.1	0.3	<0.1	54	0.27	0.049
1385241	Soil	0.5	31.9	8.9	69	<0.1	18.6	10.5	404	3.24	7.1	0.8	4.6	4.4	10	<0.1	0.6	<0.1	54	0.18	0.041
1385238	Soil	0.5	32.9	9.0	58	0.1	18.4	15.5	938	3.28	4.9	0.9	6.6	1.7	38	0.2	0.3	0.1	61	0.72	0.078
1385203	Soil	0.5	42.0	11.2	67	0.2	23.2	15.3	592	3.61	8.3	0.7	4.1	3.5	13	<0.1	0.3	0.1	68	0.20	0.040
1385205	Soil	0.6	29.1	9.1	52	0.1	19.6	11.7	542	2.93	8.4	1.2	3.9	3.5	19	<0.1	0.4	0.1	51	0.29	0.049
1385245	Soil	0.2	34.8	8.8	66	<0.1	13.8	16.2	1111	3.83	3.9	1.0	5.2	3.6	10	<0.1	0.4	<0.1	58	0.20	0.032
1385239	Soil	0.2	46.1	4.5	55	0.1	15.9	14.1	590	3.02	4.4	0.5	8.1	1.7	18	<0.1	0.4	<0.1	43	0.34	0.055
1385201	Rock Pulp	1.2	516.1	22.8	57	0.2	245.1	93.8	860	16.31	3.6	1.4	40.3	8.0	15	0.1	0.3	0.2	215	0.40	0.038
1385202	Soil	0.8	29.4	9.7	64	0.1	17.8	14.1	564	3.41	6.8	0.7	6.9	3.1	12	<0.1	0.4	0.1	66	0.14	0.019
1385249	Soil	0.5	29.7	15.0	85	<0.1	15.7	17.1	737	3.85	23.1	0.5	4.9	3.6	8	0.1	0.3	<0.1	58	0.13	0.048
1385243	Soil	0.3	37.2	10.2	60	0.1	12.4	12.9	631	3.57	4.5	0.5	3.7	2.6	6	<0.1	0.2	<0.1	41	0.12	0.024

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1338343	Soil	11	5	0.79	89	0.002	<1	1.03	0.002	0.02	<0.1	0.05	9.7	<0.1	<0.05	3	0.9
1338341	Soil	12	16	1.26	127	0.005	<1	1.50	0.002	0.05	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5
1338339	Soil	13	7	0.46	158	0.009	<1	0.76	0.003	0.06	<0.1	<0.01	2.9	<0.1	<0.05	3	<0.5
1338323	Soil	13	24	0.96	226	0.014	<1	1.82	0.003	0.04	0.1	0.02	3.8	<0.1	<0.05	6	<0.5
1338333	Soil	9	18	1.00	210	0.019	<1	1.84	0.004	0.03	0.1	0.02	4.5	<0.1	<0.05	6	<0.5
1392887	Soil	16	28	1.38	218	0.012	<1	2.07	0.003	0.05	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5
1338319	Soil	5	11	2.50	79	0.005	<1	2.63	0.006	0.02	<0.1	0.03	9.4	<0.1	<0.05	7	0.9
1385234	Soil	6	13	1.74	147	0.013	<1	2.34	0.003	0.05	<0.1	0.02	7.0	<0.1	<0.05	7	<0.5
1385226	Soil	33	25	1.25	126	0.005	<1	1.92	0.003	0.02	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5
1385230	Soil	15	25	1.17	205	0.015	<1	1.94	0.005	0.03	<0.1	0.04	6.0	<0.1	<0.05	6	<0.5
1385231	Soil	9	17	1.77	36	0.010	<1	2.14	0.001	0.01	<0.1	<0.01	6.7	<0.1	<0.05	6	<0.5
1385236	Soil	4	29	1.61	159	0.009	<1	2.11	0.004	0.02	<0.1	0.02	14.0	<0.1	<0.05	7	<0.5
1385237	Soil	6	17	1.80	241	0.013	1	2.44	0.004	0.04	<0.1	0.02	10.0	<0.1	<0.05	7	<0.5
1385229	Soil	17	26	0.76	294	0.017	2	1.92	0.006	0.03	0.1	0.01	4.1	<0.1	<0.05	5	<0.5
1385232	Soil	5	17	1.88	173	0.013	<1	2.25	0.002	0.02	<0.1	0.02	5.1	<0.1	<0.05	6	<0.5
1385235	Soil	7	19	1.38	237	0.017	<1	2.09	0.004	0.03	<0.1	0.03	8.8	<0.1	<0.05	6	<0.5
1385228	Soil	18	23	1.04	183	0.020	1	2.05	0.004	0.02	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1385227	Soil	18	23	1.57	105	0.017	<1	2.25	0.004	0.02	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5
1385233	Soil	3	11	1.60	155	0.021	2	2.14	0.003	0.04	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
1385206	Soil	13	21	1.41	195	0.015	2	2.02	0.003	0.03	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5
1385241	Soil	9	21	0.75	192	0.008	1	1.61	0.003	0.03	<0.1	0.01	5.0	<0.1	<0.05	5	<0.5
1385238	Soil	9	25	1.36	280	0.014	2	2.25	0.006	0.03	0.1	0.03	5.7	<0.1	0.06	6	<0.5
1385203	Soil	16	33	1.50	194	0.025	2	2.46	0.004	0.04	<0.1	0.03	6.8	<0.1	<0.05	7	<0.5
1385205	Soil	14	24	0.91	303	0.029	<1	1.75	0.008	0.04	0.1	0.03	5.1	<0.1	<0.05	5	<0.5
1385245	Soil	14	15	1.58	221	0.015	1	2.34	0.004	0.04	<0.1	0.03	8.3	<0.1	<0.05	6	0.6
1385239	Soil	6	14	1.29	143	0.014	1	1.75	0.003	0.03	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5
1385201	Rock Pulp	18	707	0.15	158	0.147	5	3.64	0.013	0.07	<0.1	0.04	43.4	<0.1	<0.05	18	<0.5
1385202	Soil	12	25	1.17	213	0.032	1	2.29	0.005	0.03	0.1	0.03	6.2	<0.1	<0.05	6	<0.5
1385249	Soil	11	21	1.70	151	0.014	1	2.19	0.004	0.04	<0.1	0.01	5.0	<0.1	<0.05	7	<0.5
1385243	Soil	8	18	1.33	138	0.010	1	2.07	0.003	0.03	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1385242	Soil	0.3	37.1	5.7	56	0.1	14.8	15.0	583	3.71	8.1	0.6	7.0	2.3	7	<0.1	0.6	0.1	59	0.13	0.028
1385250	Soil	0.4	33.4	12.0	74	<0.1	14.5	16.4	820	4.22	5.6	0.5	14.0	2.8	13	<0.1	0.3	0.1	78	0.25	0.045
1385248	Soil	0.6	29.8	18.5	84	<0.1	20.3	12.4	477	3.47	36.6	0.6	11.9	4.3	14	<0.1	0.4	0.1	53	0.19	0.053
1385244	Soil	0.3	43.5	9.0	71	0.1	20.7	15.0	734	3.70	5.8	0.9	7.3	3.8	19	0.1	0.4	0.1	57	0.37	0.069
1385240	Soil	0.3	32.1	5.9	61	<0.1	16.6	13.2	585	2.96	4.9	0.5	6.1	2.4	16	<0.1	0.3	<0.1	47	0.27	0.052
1385204	Soil	0.7	34.6	10.9	63	0.1	21.4	11.5	506	3.02	8.9	0.6	3.0	4.0	15	<0.1	0.6	0.2	55	0.17	0.029
1354795	Soil	0.4	31.7	3.3	77	0.1	12.5	17.2	832	4.21	5.1	0.4	12.3	1.2	20	<0.1	0.4	<0.1	67	0.48	0.067
1354789	Soil	0.4	22.4	9.9	67	0.3	11.0	9.7	542	3.26	7.6	0.6	10.4	3.6	12	<0.1	0.4	<0.1	42	0.29	0.051
1374048	Soil	0.7	34.4	9.6	76	0.2	24.7	15.4	567	3.54	10.2	0.9	3.8	3.3	32	0.2	0.2	0.1	64	0.57	0.073
1385247	Soil	1.5	54.8	19.2	102	0.7	42.0	15.1	674	3.88	69.1	1.6	14.0	4.8	23	0.3	0.3	0.1	58	0.28	0.074
1354794	Soil	0.6	45.1	6.2	78	0.2	22.8	15.3	664	4.00	8.1	0.7	5.4	3.2	19	0.1	0.5	0.1	60	0.62	0.077
1354791	Soil	0.7	37.8	9.0	62	0.1	19.8	14.0	571	3.38	7.7	0.6	3.9	3.0	20	0.1	0.7	0.1	55	0.34	0.050
1374049	Soil	0.4	40.9	11.4	62	0.3	16.7	15.2	650	3.36	6.9	1.1	9.5	3.7	18	0.2	0.4	0.1	51	0.47	0.047
1385246	Soil	2.2	48.3	17.2	113	0.5	40.8	17.0	651	3.99	58.6	1.4	7.5	5.4	33	0.3	0.2	0.1	53	0.44	0.100
1354796	Soil	0.4	27.7	5.3	76	0.1	9.1	17.5	1087	4.10	7.0	0.6	10.6	1.8	17	<0.1	0.8	<0.1	67	0.48	0.077
1354792	Soil	0.6	31.2	9.0	61	0.1	20.5	13.6	676	3.41	7.5	1.2	3.3	3.1	21	<0.1	0.5	0.1	57	0.52	0.051
1374045	Soil	0.5	39.7	20.8	86	0.3	17.6	15.8	446	3.24	7.7	0.8	23.3	3.2	23	0.4	0.5	0.1	51	0.48	0.048
1374047	Soil	0.4	31.3	8.6	68	<0.1	20.1	17.5	694	3.59	7.9	0.7	8.5	2.3	37	0.1	0.4	<0.1	62	0.68	0.058
1354797	Soil	0.6	24.0	6.2	67	0.1	14.6	12.5	604	3.11	9.4	0.7	3.2	2.3	19	<0.1	0.5	0.1	42	0.35	0.041
1354793	Soil	0.4	19.1	2.3	67	<0.1	10.7	20.7	1298	3.59	2.3	0.4	2.0	0.6	18	0.1	0.3	<0.1	71	0.54	0.069
1354790	Soil	0.3	70.8	2.9	84	<0.1	12.4	22.0	904	4.64	4.2	0.3	5.5	1.2	14	<0.1	0.6	<0.1	85	0.39	0.087
1374046	Soil	0.3	61.2	7.7	74	0.2	14.0	17.2	754	3.84	5.9	0.5	6.1	1.7	29	0.2	0.5	<0.1	77	0.59	0.075
1370402	Soil	0.9	62.2	75.4	152	0.4	11.8	13.2	325	3.10	11.1	1.1	8.9	3.4	13	0.4	0.4	0.2	51	0.18	0.065
1354786	Soil	0.7	27.9	11.2	86	0.3	4.7	23.1	923	5.07	12.0	0.6	9.4	2.4	11	0.2	0.6	0.1	55	0.26	0.060
1393098	Soil	0.3	27.0	3.6	80	0.2	7.1	15.7	831	3.67	9.5	0.3	6.5	1.6	15	<0.1	0.6	<0.1	43	0.63	0.083
1354798	Soil	0.3	24.1	4.4	81	<0.1	8.4	11.9	674	3.39	13.9	0.3	0.9	1.1	15	<0.1	0.3	<0.1	37	0.35	0.082
1370403	Soil	1.6	150.7	132.9	401	0.8	10.9	15.8	662	4.69	13.9	1.7	16.8	5.7	9	2.4	0.6	0.3	45	0.18	0.103
1354788	Soil	0.3	21.8	4.9	67	0.2	11.9	15.0	612	3.03	4.2	0.9	6.5	2.4	15	<0.1	0.6	<0.1	51	0.30	0.059
1393100	Soil	1.1	37.2	12.5	70	0.4	17.6	16.7	540	4.31	115.6	0.8	5.7	5.6	4	0.1	0.6	0.2	51	0.07	0.024
1354799	Soil	0.8	23.4	10.3	54	<0.1	16.2	9.8	350	2.79	8.8	0.6	7.4	3.2	19	<0.1	0.6	0.1	50	0.32	0.016

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1385242	Soil	6	16	1.58	125	0.011	2	2.29	0.003	0.04	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5
1385250	Soil	11	25	1.71	187	0.014	<1	2.58	0.004	0.03	<0.1	0.02	8.7	<0.1	<0.05	7	<0.5
1385248	Soil	14	25	1.03	263	0.015	<1	1.88	0.005	0.04	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5
1385244	Soil	16	21	1.46	245	0.012	1	2.29	0.005	0.04	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5
1385240	Soil	8	18	1.18	162	0.013	<1	1.74	0.004	0.03	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5
1385204	Soil	15	29	0.85	282	0.034	2	1.87	0.006	0.04	0.1	0.04	5.7	<0.1	<0.05	5	<0.5
1354795	Soil	6	18	1.60	129	0.010	1	2.15	0.005	0.03	<0.1	<0.01	6.2	<0.1	<0.05	6	<0.5
1354789	Soil	14	15	1.70	444	0.014	1	2.37	0.005	0.03	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5
1374048	Soil	15	30	1.47	257	0.028	1	2.09	0.006	0.04	0.2	0.02	6.7	<0.1	<0.05	6	1.1
1385247	Soil	17	34	1.73	189	0.011	<1	2.30	0.004	0.05	<0.1	0.03	4.4	<0.1	<0.05	7	0.7
1354794	Soil	16	30	1.63	176	0.018	<1	2.29	0.006	0.04	<0.1	0.04	7.3	<0.1	<0.05	6	<0.5
1354791	Soil	11	24	0.95	288	0.041	1	1.74	0.010	0.04	0.1	0.03	4.5	<0.1	<0.05	5	<0.5
1374049	Soil	16	20	1.62	392	0.018	1	2.57	0.005	0.03	<0.1	0.04	5.9	<0.1	<0.05	7	0.5
1385246	Soil	21	33	2.13	214	0.008	2	2.62	0.004	0.07	<0.1	0.02	3.4	<0.1	<0.05	7	1.1
1354796	Soil	8	10	1.62	151	0.011	2	2.11	0.004	0.05	<0.1	0.01	6.9	<0.1	<0.05	6	<0.5
1354792	Soil	13	28	1.06	271	0.030	2	1.93	0.008	0.04	<0.1	0.02	6.1	<0.1	0.05	5	1.2
1374045	Soil	11	20	1.18	296	0.026	<1	2.05	0.007	0.04	0.2	0.04	5.6	<0.1	<0.05	5	<0.5
1374047	Soil	9	25	1.46	210	0.021	2	2.09	0.007	0.04	0.2	0.03	5.4	<0.1	<0.05	6	<0.5
1354797	Soil	8	16	1.03	275	0.035	<1	1.72	0.006	0.04	0.1	0.02	4.1	<0.1	<0.05	6	<0.5
1354793	Soil	4	21	1.47	82	0.010	<1	1.76	0.005	0.02	<0.1	<0.01	7.2	<0.1	<0.05	5	<0.5
1354790	Soil	4	13	1.59	170	0.043	<1	2.28	0.005	0.07	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5
1374046	Soil	10	17	1.55	151	0.017	<1	2.11	0.005	0.05	<0.1	0.03	7.7	<0.1	<0.05	7	<0.5
1370402	Soil	12	16	1.12	274	0.014	<1	1.67	0.004	0.03	<0.1	0.14	5.5	<0.1	<0.05	5	0.9
1354786	Soil	11	9	1.64	120	0.003	<1	2.41	0.002	0.02	<0.1	0.03	8.6	<0.1	<0.05	6	0.9
1393098	Soil	7	8	1.87	110	0.010	<1	2.21	0.003	0.03	<0.1	0.01	4.0	<0.1	<0.05	7	<0.5
1354798	Soil	3	12	1.30	172	0.029	<1	1.71	0.003	0.04	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5
1370403	Soil	20	10	1.10	141	0.008	<1	1.35	0.003	0.02	<0.1	0.31	9.0	<0.1	<0.05	4	1.5
1354788	Soil	8	13	1.50	197	0.015	<1	1.88	0.004	0.03	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5
1393100	Soil	34	17	1.31	138	0.011	<1	2.44	0.003	0.02	<0.1	0.04	5.9	<0.1	<0.05	6	0.6
1354799	Soil	12	22	0.88	352	0.042	<1	1.66	0.008	0.04	0.1	0.03	4.6	<0.1	<0.05	5	<0.5

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1370404	Soil	1.2	38.5	12.8	87	0.3	21.1	14.3	443	3.13	50.9	1.3	9.4	4.2	25	0.5	0.6	0.2	49	0.36	0.083
1354392	Soil	0.3	41.7	15.9	83	0.5	13.6	13.9	580	3.27	6.6	0.5	14.3	2.7	19	0.3	0.4	<0.1	58	0.46	0.058
1393099	Soil	0.9	24.0	6.4	58	0.2	9.1	14.4	431	3.40	10.8	0.3	3.3	1.7	4	<0.1	0.3	<0.1	44	0.07	0.017
1354800	Soil	0.5	29.2	6.7	64	<0.1	15.2	14.6	692	3.46	8.1	0.4	1.8	2.5	14	<0.1	0.6	<0.1	53	0.24	0.042
1370405	Soil	1.4	81.8	23.9	177	1.0	10.0	21.5	762	5.87	20.0	1.9	114.5	3.7	9	0.5	0.4	0.3	58	0.12	0.104
1354391	Soil	0.4	19.4	6.6	67	0.5	9.9	13.9	527	3.48	5.2	0.6	18.3	2.3	16	0.1	0.5	<0.1	62	0.34	0.049
1354787	Soil	1.2	40.7	38.9	81	1.5	25.7	10.7	399	2.87	222.4	1.8	59.7	8.1	15	0.2	1.3	0.3	29	0.25	0.084
1354781	Soil	0.5	40.6	4.5	68	<0.1	12.4	18.1	829	3.92	13.4	0.3	6.1	2.0	7	0.1	0.4	<0.1	43	0.26	0.077
1370409	Soil	1.1	47.5	12.4	115	0.2	30.6	10.3	548	3.43	37.9	1.9	53.6	5.1	17	0.4	0.4	0.2	30	0.25	0.111
1370408	Soil	0.8	25.2	13.6	84	0.2	19.0	9.0	289	2.57	16.1	0.9	10.4	5.7	17	0.2	0.2	0.1	39	0.27	0.081
1370407	Soil	0.8	30.0	11.1	87	0.3	21.3	10.8	312	3.07	47.2	1.3	11.3	3.4	25	0.3	0.3	0.1	44	0.38	0.085
1370406	Soil	0.9	28.9	25.2	80	0.3	19.3	8.4	260	1.53	36.3	1.4	6.3	13.3	25	0.4	0.2	0.2	16	0.38	0.161
1370415	Soil	0.4	36.5	6.7	60	0.1	12.7	15.6	867	3.61	8.0	0.4	2.1	2.3	6	<0.1	0.2	<0.1	53	0.17	0.066
1370416	Soil	0.5	21.7	13.1	58	0.1	17.6	10.5	395	2.76	12.2	0.6	6.8	3.1	11	<0.1	0.3	0.2	38	0.18	0.058
1370410	Soil	0.5	32.6	10.5	96	<0.1	21.5	12.3	575	3.50	19.1	1.1	23.2	4.7	20	0.3	0.2	<0.1	44	0.33	0.101
1370413	Soil	0.6	30.8	9.4	84	<0.1	18.0	11.4	522	3.03	14.6	0.7	5.0	4.2	21	0.2	0.3	0.1	42	0.29	0.068
1370420	Soil	1.1	25.5	10.4	96	0.2	16.2	11.3	536	3.46	7.9	1.0	10.0	4.1	23	0.3	0.2	0.2	30	0.35	0.101
1370417	Soil	0.4	35.8	12.2	79	0.1	17.4	12.6	549	3.30	36.5	0.6	7.7	3.0	14	0.1	0.2	0.2	44	0.26	0.085
1370414	Soil	0.5	22.7	11.0	58	0.1	17.6	10.2	422	2.94	13.9	1.0	4.8	4.0	15	<0.1	0.4	0.2	41	0.26	0.051
1370411	Soil	0.6	26.4	8.8	70	<0.1	17.2	11.0	360	3.12	11.0	0.8	5.4	3.7	14	<0.1	0.4	<0.1	47	0.18	0.038
1370421	Soil	1.0	25.2	9.1	70	0.1	18.5	11.5	395	2.89	5.2	0.9	2.1	3.3	22	0.1	0.2	0.1	52	0.41	0.058
1370419	Soil	0.7	23.0	5.6	74	0.2	6.9	8.6	428	3.36	4.6	0.8	4.5	2.8	13	0.1	0.2	0.1	48	0.26	0.069
1370418	Soil	0.7	36.0	8.6	93	0.1	23.7	14.7	682	3.49	17.0	0.9	4.5	4.2	18	0.3	0.2	0.2	56	0.35	0.118
1370412	Soil	0.9	32.1	9.9	94	0.1	21.4	13.1	600	3.37	23.1	0.7	11.6	5.4	24	0.2	0.2	0.2	32	0.38	0.132
1370424	Soil	0.9	34.0	12.3	81	0.3	29.0	10.7	450	3.12	46.6	1.7	10.3	3.8	20	0.1	0.6	0.2	51	0.26	0.035
1370422	Soil	0.8	31.8	10.7	71	0.2	12.8	15.5	841	3.97	17.0	0.6	5.3	3.3	7	<0.1	0.4	0.1	50	0.10	0.029
1345822	Soil	1.0	32.4	15.0	74	0.4	12.1	12.3	523	3.87	19.8	1.2	11.1	2.3	15	0.6	0.4	0.3	39	0.29	0.074
1345820	Soil	1.5	27.5	6.6	39	0.5	5.4	10.3	512	3.53	25.3	1.3	10.1	6.5	13	0.1	0.5	0.7	17	0.35	0.116
1370423	Soil	0.4	21.7	9.9	68	<0.1	6.8	14.5	810	3.83	11.4	0.4	4.5	2.5	7	<0.1	0.2	<0.1	47	0.17	0.024
1370425	Soil	1.6	36.0	15.0	79	0.1	27.7	11.8	520	3.35	57.2	1.2	12.2	4.2	15	0.1	0.6	0.3	49	0.19	0.047

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1370404	Soil	14	24	1.02	328	0.029	<1	1.77	0.007	0.04	0.1	0.03	5.3	<0.1	<0.05	5	0.8
1354392	Soil	12	16	1.51	248	0.017	<1	2.33	0.004	0.03	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5
1393099	Soil	3	11	1.56	170	0.010	<1	2.13	0.002	0.03	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5
1354800	Soil	9	18	1.45	233	0.030	<1	1.96	0.005	0.03	<0.1	0.02	5.5	<0.1	<0.05	6	<0.5
1370405	Soil	8	10	2.10	216	0.002	<1	2.49	0.003	0.04	<0.1	0.06	7.9	<0.1	<0.05	6	1.6
1354391	Soil	10	14	1.57	248	0.015	<1	2.38	0.004	0.03	<0.1	0.03	5.8	<0.1	<0.05	7	<0.5
1354787	Soil	33	15	0.69	236	0.019	<1	1.52	0.002	0.03	<0.1	0.03	3.9	<0.1	<0.05	4	0.5
1354781	Soil	11	12	2.05	104	0.029	<1	2.15	0.002	0.02	<0.1	0.02	5.7	<0.1	<0.05	6	<0.5
1370409	Soil	16	17	0.55	276	0.003	<1	1.25	0.004	0.07	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5
1370408	Soil	20	21	0.96	401	0.021	<1	1.52	0.005	0.09	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5
1370407	Soil	17	22	1.20	246	0.017	<1	1.85	0.005	0.06	0.1	0.02	4.5	<0.1	<0.05	6	0.5
1370406	Soil	28	11	0.78	178	0.007	<1	0.93	0.002	0.07	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5
1370415	Soil	7	15	1.37	148	0.013	<1	2.09	0.003	0.03	<0.1	0.01	6.6	<0.1	<0.05	6	<0.5
1370416	Soil	10	17	0.95	177	0.017	<1	1.53	0.003	0.04	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5
1370410	Soil	13	19	1.55	179	0.008	<1	1.92	0.003	0.04	<0.1	0.01	4.8	<0.1	<0.05	7	<0.5
1370413	Soil	17	17	1.16	216	0.018	<1	1.81	0.004	0.05	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5
1370420	Soil	15	12	0.67	227	0.009	<1	1.04	0.003	0.06	<0.1	<0.01	4.3	<0.1	<0.05	4	<0.5
1370417	Soil	12	16	1.37	151	0.012	<1	1.89	0.003	0.04	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5
1370414	Soil	12	17	0.85	254	0.021	<1	1.54	0.004	0.04	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5
1370411	Soil	13	20	1.24	265	0.023	<1	1.89	0.004	0.03	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5
1370421	Soil	14	18	1.00	335	0.043	<1	1.59	0.004	0.06	<0.1	0.02	5.1	<0.1	<0.05	6	0.5
1370419	Soil	11	9	0.96	276	0.018	<1	1.61	0.004	0.05	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5
1370418	Soil	11	25	1.34	145	0.015	<1	1.52	0.003	0.05	<0.1	<0.01	5.8	<0.1	<0.05	6	<0.5
1370412	Soil	14	15	1.45	135	0.010	<1	1.76	0.003	0.04	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5
1370424	Soil	21	30	0.79	555	0.033	<1	1.80	0.007	0.06	0.1	0.04	6.3	<0.1	<0.05	5	0.8
1370422	Soil	13	17	1.59	180	0.010	<1	2.29	0.003	0.03	<0.1	0.03	6.7	<0.1	<0.05	7	<0.5
1345822	Soil	17	14	0.82	347	0.010	<1	1.53	0.006	0.03	<0.1	0.06	4.7	<0.1	<0.05	4	<0.5
1345820	Soil	18	6	0.70	75	0.005	2	1.00	0.003	0.03	<0.1	0.03	3.0	<0.1	<0.05	4	1.2
1370423	Soil	9	7	1.45	150	0.005	<1	2.20	0.003	0.02	<0.1	0.03	6.2	<0.1	<0.05	6	<0.5
1370425	Soil	21	29	0.72	497	0.020	1	1.59	0.005	0.06	0.1	0.04	7.1	<0.1	<0.05	5	0.8

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1345824	Soil	0.8	41.2	12.9	70	0.3	12.0	13.3	471	3.21	11.9	0.9	15.5	3.3	12	0.3	0.3	0.3	44	0.24	0.052
1345821	Soil	0.9	33.8	6.2	48	0.4	10.7	15.8	553	3.45	13.6	1.5	13.4	3.9	18	0.2	0.3	0.7	32	0.39	0.092
1392951	Rock Pulp	2.6	23.0	2.5	45	0.3	23.0	9.4	398	2.26	4.8	0.2	4.1	0.8	41	0.2	0.3	<0.1	58	0.75	0.058
1370401	Rock Pulp	1.5	494.6	22.3	57	0.2	248.5	81.2	920	15.97	4.1	1.3	44.4	7.2	16	0.1	0.4	0.2	211	0.38	0.036
1345825	Soil	0.8	44.8	14.5	75	0.3	13.4	18.7	689	3.28	11.2	0.9	16.6	3.2	14	0.3	0.3	0.3	45	0.31	0.055
1345818	Soil	1.0	49.5	8.9	52	0.7	19.3	13.4	527	2.82	132.2	1.4	372.7	3.7	19	0.1	0.3	0.5	34	0.45	0.060
1392966	Soil	0.7	10.8	8.3	64	0.2	12.1	4.1	197	2.05	24.1	0.6	6.7	1.2	22	0.2	0.1	0.1	29	0.35	0.069
1392952	Soil	0.2	114.7	6.5	54	0.3	23.6	33.5	1578	4.68	4.5	0.2	3.0	1.4	9	0.1	0.2	<0.1	94	0.21	0.043
1345823	Soil	1.4	24.4	6.2	47	0.3	7.8	12.0	529	3.34	16.0	1.2	11.3	7.8	11	0.2	0.4	0.4	20	0.32	0.108
1345819	Soil	1.2	45.3	8.8	44	0.8	14.5	11.5	525	2.93	33.4	1.8	26.2	4.0	22	0.2	0.4	0.6	32	0.60	0.057
1354999	Soil	0.3	38.6	7.1	64	<0.1	12.0	16.8	902	3.99	44.2	0.6	7.3	2.2	10	<0.1	0.5	0.1	72	0.11	0.022
1354994	Soil	1.4	34.8	16.9	84	0.4	17.6	12.3	668	3.99	10.8	0.9	4.8	5.2	7	0.1	0.6	0.2	43	0.08	0.032
1392965	Soil	2.0	30.0	22.8	98	0.4	23.7	11.7	321	3.34	66.1	1.1	5.3	3.8	22	0.3	0.3	0.2	47	0.33	0.074
1392963	Soil	1.1	43.0	27.8	98	0.5	25.6	18.2	1138	3.39	50.0	0.8	15.3	4.3	26	0.6	0.5	0.2	47	0.50	0.078
1392954	Soil	0.4	60.3	12.4	78	0.2	29.5	16.9	929	3.72	10.0	0.5	13.1	5.9	11	0.3	0.4	0.3	40	0.28	0.092
1354998	Soil	0.8	30.4	14.8	82	<0.1	18.9	14.6	820	4.29	33.8	0.8	4.7	3.4	17	0.1	0.4	0.2	85	0.24	0.043
1354997	Soil	0.2	21.6	6.0	79	<0.1	6.2	19.9	1083	4.97	18.1	0.6	4.9	2.3	16	<0.1	0.4	<0.1	83	0.28	0.063
1392964	Soil	1.0	31.7	35.8	101	0.3	19.3	16.9	953	3.46	64.7	0.9	21.7	3.6	26	0.4	0.5	0.2	49	0.54	0.066
1392953	Soil	0.4	81.2	8.3	58	<0.1	18.8	26.9	937	4.49	7.8	0.3	2.8	2.3	9	<0.1	0.4	0.2	87	0.27	0.056
1354996	Soil	0.7	15.4	8.1	58	<0.1	8.5	10.2	606	3.19	7.1	0.5	11.1	2.8	8	<0.1	0.4	0.1	48	0.11	0.039
1354995	Soil	0.5	42.6	9.9	67	0.2	13.9	16.3	765	3.84	10.9	0.6	5.6	3.1	10	0.2	0.5	<0.1	57	0.18	0.040
1392961	Soil	0.8	38.6	40.4	188	0.4	14.7	19.0	786	3.98	50.4	0.5	7.1	5.1	12	1.5	0.4	<0.1	38	0.28	0.082
1392957	Soil	0.4	43.1	13.6	68	<0.1	14.3	16.5	932	4.04	6.3	0.8	2.8	3.3	9	<0.1	0.2	<0.1	54	0.13	0.023
1355000	Soil	0.1	35.4	3.9	56	<0.1	11.9	19.3	980	3.77	1.7	0.3	6.8	0.9	13	<0.1	0.3	<0.1	71	0.27	0.063
1354993	Soil	1.1	31.8	9.3	79	0.5	18.6	15.2	2914	3.67	14.8	1.2	4.7	3.0	20	0.5	0.5	0.2	58	0.46	0.066
1392960	Soil	0.5	25.5	13.1	66	<0.1	9.5	21.1	856	4.40	11.2	1.0	7.6	3.0	8	<0.1	0.4	0.1	70	0.15	0.038
1354892	Soil	0.5	14.9	6.1	44	<0.1	13.8	9.2	366	2.55	7.8	0.7	3.7	3.8	9	<0.1	0.4	0.2	46	0.10	0.021
1354886	Soil	0.9	16.6	6.7	44	0.1	11.1	9.6	383	3.12	8.8	0.5	12.8	3.5	8	<0.1	0.4	0.2	53	0.10	0.027
1392962	Soil	2.2	48.9	25.7	98	0.5	23.1	18.0	953	4.18	27.2	0.7	14.5	4.2	18	0.4	0.3	0.2	45	0.39	0.088
1392955	Soil	0.4	102.7	7.2	66	0.2	22.6	22.5	986	4.88	18.9	0.7	16.1	3.4	9	<0.1	0.5	0.2	86	0.21	0.039

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1345824	Soil	13	14	0.97	277	0.012	1	1.62	0.004	0.02	<0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2
1345821	Soil	22	11	1.15	212	0.011	<1	1.67	0.005	0.02	<0.1	0.03	3.9	<0.1	<0.05	4	1.5	0.3
1392951	Rock Pulp	4	27	0.76	95	0.098	2	1.53	0.068	0.13	14.7	0.02	4.7	<0.1	<0.05	5	0.6	<0.2
1370401	Rock Pulp	18	677	0.15	165	0.145	6	3.80	0.012	0.08	<0.1	0.05	43.4	<0.1	<0.05	18	0.8	<0.2
1345825	Soil	13	14	0.96	286	0.013	<1	1.57	0.004	0.02	0.1	0.05	7.0	<0.1	<0.05	5	0.8	<0.2
1345818	Soil	15	30	0.91	256	0.013	<1	1.47	0.005	0.04	<0.1	0.06	4.3	<0.1	<0.05	4	<0.5	<0.2
1392966	Soil	8	21	1.14	201	0.009	<1	1.38	0.003	0.04	<0.1	0.05	2.4	<0.1	0.08	5	1.0	<0.2
1392952	Soil	4	17	2.63	202	0.013	1	2.64	0.003	0.04	<0.1	0.03	17.7	<0.1	<0.05	8	<0.5	<0.2
1345823	Soil	30	6	0.73	181	0.011	<1	1.18	0.003	0.03	<0.1	0.04	3.6	<0.1	<0.05	4	1.1	<0.2
1345819	Soil	19	20	0.67	298	0.011	<1	1.46	0.006	0.03	0.1	0.07	4.2	<0.1	<0.05	4	1.0	<0.2
1354999	Soil	10	16	1.55	166	0.044	<1	2.37	0.003	0.03	<0.1	0.05	6.8	<0.1	<0.05	7	0.7	<0.2
1354994	Soil	29	17	1.20	129	0.019	<1	1.91	0.003	0.03	<0.1	0.03	5.4	<0.1	<0.05	5	0.6	<0.2
1392965	Soil	15	26	1.95	319	0.006	<1	2.37	0.003	0.06	<0.1	0.04	3.5	<0.1	<0.05	7	1.0	<0.2
1392963	Soil	15	21	1.42	351	0.011	<1	2.14	0.005	0.05	<0.1	0.06	4.9	<0.1	<0.05	6	0.8	<0.2
1392954	Soil	19	19	1.23	161	0.011	<1	1.89	0.003	0.04	<0.1	0.03	4.2	<0.1	<0.05	5	0.5	<0.2
1354998	Soil	11	20	1.56	281	0.025	<1	2.37	0.005	0.04	<0.1	0.03	9.0	<0.1	<0.05	8	<0.5	<0.2
1354997	Soil	7	7	2.35	186	0.011	<1	2.84	0.004	0.06	<0.1	0.02	9.8	<0.1	<0.05	8	<0.5	<0.2
1392964	Soil	13	19	1.18	301	0.011	<1	2.12	0.005	0.04	0.1	0.04	4.8	<0.1	<0.05	6	0.7	<0.2
1392953	Soil	4	18	2.45	133	0.046	<1	2.74	0.002	0.04	<0.1	0.02	10.3	<0.1	<0.05	8	<0.5	<0.2
1354996	Soil	10	12	1.06	199	0.023	<1	1.85	0.004	0.05	<0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1354995	Soil	12	14	1.31	231	0.015	<1	1.93	0.003	0.03	<0.1	0.04	7.5	<0.1	<0.05	6	0.7	<0.2
1392961	Soil	12	13	1.64	102	0.005	<1	2.21	0.002	0.04	<0.1	0.02	5.0	<0.1	<0.05	6	0.6	<0.2
1392957	Soil	14	22	1.93	160	0.012	<1	2.54	0.003	0.03	<0.1	0.04	7.0	<0.1	<0.05	7	<0.5	<0.2
1355000	Soil	6	25	2.40	115	0.038	<1	2.37	0.002	0.02	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
1354993	Soil	17	20	1.32	488	0.016	<1	2.43	0.007	0.04	<0.1	0.04	7.9	<0.1	<0.05	7	0.5	<0.2
1392960	Soil	16	11	1.62	159	0.013	<1	2.52	0.003	0.03	<0.1	0.04	10.2	<0.1	<0.05	7	0.5	<0.2
1354892	Soil	13	23	0.94	138	0.045	<1	1.74	0.004	0.02	0.1	0.02	4.0	<0.1	<0.05	4	0.6	<0.2
1354886	Soil	12	17	0.80	151	0.031	<1	1.83	0.004	0.03	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
1392962	Soil	16	15	1.81	203	0.004	<1	2.50	0.003	0.06	<0.1	0.04	5.2	<0.1	<0.05	7	<0.5	<0.2
1392955	Soil	14	23	1.84	148	0.014	<1	2.64	0.003	0.03	<0.1	0.04	11.6	<0.1	<0.05	7	0.5	<0.2

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1354893	Soil	0.3	9.3	4.0	31	<0.1	8.9	6.3	387	2.07	5.8	0.7	19.2	7.6	8	<0.1	0.2	0.2	19	0.20	0.064
1354888	Soil	0.7	15.8	6.8	46	<0.1	14.7	9.0	422	2.73	9.2	0.8	33.3	4.3	9	<0.1	0.4	0.1	49	0.12	0.050
1354885	Soil	0.8	19.3	6.5	48	<0.1	13.2	8.8	352	2.83	7.4	0.6	7.4	3.3	8	<0.1	0.4	0.1	49	0.10	0.027
1392956	Soil	0.3	42.5	11.5	65	<0.1	12.2	13.7	711	3.58	4.7	0.4	1.1	3.0	4	0.1	0.2	0.1	39	0.09	0.037
1354884	Soil	0.9	35.9	8.0	62	<0.1	16.6	10.5	589	2.95	8.8	0.9	8.4	5.0	14	<0.1	0.5	0.2	49	0.18	0.039
1354890	Soil	0.6	11.2	5.6	40	<0.1	14.4	11.6	398	2.87	11.9	0.7	10.7	5.0	7	<0.1	0.3	0.2	39	0.12	0.058
1354887	Soil	0.3	32.2	4.3	44	<0.1	7.3	11.5	634	3.77	5.9	1.0	39.0	4.3	5	<0.1	0.3	0.2	47	0.10	0.043
1392958	Soil	0.7	50.3	10.9	64	0.1	23.1	16.8	749	3.76	8.8	0.8	<0.5	3.4	13	<0.1	0.6	0.1	65	0.16	0.024
1354894	Soil	0.6	26.6	6.6	58	<0.1	19.3	16.5	497	2.75	9.3	0.5	0.9	2.6	15	<0.1	0.5	<0.1	49	0.22	0.026
1354891	Soil	0.5	10.7	5.8	41	0.1	13.2	9.0	415	2.34	7.7	0.6	22.4	4.0	11	0.1	0.3	0.2	39	0.18	0.059
1354889	Soil	0.8	10.7	7.3	46	0.1	13.5	10.0	461	2.65	8.5	0.6	18.8	3.7	9	<0.1	0.4	0.2	46	0.15	0.067
1392959	Soil	<0.1	44.5	8.6	60	0.2	11.2	18.6	1305	4.23	3.0	0.2	2.8	2.7	10	0.2	0.1	<0.1	103	0.26	0.062
1338311	Soil	1.0	33.6	11.8	71	0.3	16.4	13.9	658	3.34	12.0	1.6	13.4	3.1	24	0.5	0.3	0.2	45	0.49	0.083
1338304	Soil	0.6	11.1	5.8	35	<0.1	9.3	5.6	251	2.02	8.4	0.7	89.5	4.3	13	<0.1	0.3	0.1	29	0.19	0.046
1354899	Soil	0.6	17.1	6.5	45	<0.1	13.1	9.8	301	2.53	7.3	0.6	4.7	4.4	11	<0.1	0.4	0.1	43	0.13	0.020
1354895	Soil	0.6	25.5	5.6	56	<0.1	16.4	11.4	388	2.61	7.0	0.6	<0.5	2.8	14	<0.1	0.5	0.1	49	0.20	0.024
1338308	Soil	1.0	29.0	6.5	43	0.3	11.6	11.4	532	3.41	11.2	1.7	9.3	8.4	15	<0.1	0.3	0.4	29	0.38	0.079
1338310	Soil	1.2	30.7	12.5	71	0.3	15.8	14.5	728	3.17	12.8	1.6	5.9	2.7	21	0.3	0.3	0.3	45	0.34	0.074
1354900	Soil	0.6	17.5	7.1	50	0.1	14.0	8.1	343	2.25	7.2	0.9	14.4	5.1	15	0.1	0.4	0.1	37	0.20	0.036
1354896	Soil	0.6	30.6	6.2	50	0.1	17.5	13.1	463	2.63	8.9	0.8	12.7	4.6	17	<0.1	0.5	0.1	40	0.23	0.031
1338307	Soil	0.8	20.8	7.9	50	0.4	7.1	12.6	623	3.87	68.1	1.6	22.5	7.7	18	0.2	0.6	0.6	24	0.43	0.118
1338301	Rock Pulp	1.4	542.7	22.1	59	0.3	248.7	90.6	918	16.18	3.3	1.3	39.9	7.8	16	0.1	0.3	0.2	216	0.39	0.036
1338302	Soil	0.6	13.1	5.7	40	<0.1	11.2	6.6	290	1.97	7.0	0.7	4.2	4.4	11	<0.1	0.4	0.1	29	0.16	0.044
1354897	Soil	0.8	26.3	9.4	34	0.2	18.4	11.1	1598	2.56	12.6	0.6	5.6	3.7	11	<0.1	0.5	0.1	29	0.27	0.059
1338306	Soil	0.9	35.1	7.4	47	0.4	14.1	10.8	541	2.78	43.0	3.0	19.9	3.5	31	0.2	0.3	0.5	30	0.78	0.080
1338309	Soil	1.0	26.6	10.5	65	0.3	14.7	13.9	599	3.34	13.8	1.5	7.0	4.4	20	0.3	0.3	0.3	40	0.39	0.079
1338303	Soil	0.7	11.7	7.1	41	<0.1	12.5	6.1	260	2.10	7.9	0.6	8.1	2.9	11	<0.1	0.3	0.1	37	0.15	0.047
1354898	Soil	0.7	24.7	5.7	44	<0.1	16.5	13.1	507	2.64	11.7	0.7	1.7	3.7	15	<0.1	0.6	0.1	43	0.30	0.026
1385223	Soil	0.7	17.8	11.3	75	0.2	16.3	9.4	401	2.52	9.8	0.9	6.8	5.4	19	0.1	0.2	0.1	34	0.25	0.103
1385225	Soil	0.8	21.4	7.9	74	<0.1	16.0	7.6	319	2.72	16.5	0.8	9.0	3.4	12	<0.1	0.2	0.1	42	0.19	0.061

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1354893	Soil	28	13	0.88	96	0.010	<1	1.19	0.002	0.02	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5
1354888	Soil	13	20	0.83	152	0.037	2	1.84	0.004	0.03	0.1	0.03	4.3	<0.1	<0.05	5	<0.5
1354885	Soil	11	18	0.75	123	0.040	<1	1.82	0.004	0.03	0.1	0.02	3.9	<0.1	<0.05	5	0.5
1392956	Soil	13	16	1.65	91	0.009	<1	2.41	0.002	0.03	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5
1354884	Soil	18	22	0.86	223	0.044	<1	1.75	0.007	0.03	0.2	0.05	6.4	<0.1	<0.05	5	<0.5
1354890	Soil	10	14	0.77	91	0.034	1	1.94	0.003	0.03	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5
1354887	Soil	26	7	1.15	89	0.025	<1	2.07	0.002	0.02	<0.1	0.02	7.8	<0.1	<0.05	6	0.5
1392958	Soil	15	35	1.40	213	0.035	<1	2.40	0.005	0.04	<0.1	0.05	9.3	<0.1	<0.05	6	0.6
1354894	Soil	9	20	1.09	179	0.050	<1	1.77	0.005	0.03	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5
1354891	Soil	13	20	0.81	126	0.036	<1	1.48	0.003	0.03	0.2	0.03	3.7	<0.1	<0.05	4	<0.5
1354889	Soil	12	20	0.71	127	0.037	<1	1.68	0.004	0.03	0.2	0.02	4.1	<0.1	<0.05	5	<0.5
1392959	Soil	13	15	2.09	68	0.004	<1	2.61	0.002	0.02	<0.1	0.02	13.3	<0.1	<0.05	9	0.7
1338311	Soil	16	17	0.80	406	0.017	1	1.61	0.006	0.03	0.1	0.04	5.2	<0.1	<0.05	5	0.9
1338304	Soil	15	16	0.54	182	0.026	<1	1.26	0.004	0.04	0.1	0.02	2.9	<0.1	<0.05	4	<0.5
1354899	Soil	14	19	0.84	175	0.039	<1	1.66	0.004	0.03	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5
1354895	Soil	11	22	1.02	205	0.045	<1	1.75	0.007	0.03	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5
1338308	Soil	36	15	1.27	180	0.013	<1	1.91	0.004	0.03	<0.1	0.04	3.4	<0.1	<0.05	5	0.8
1338310	Soil	18	18	0.79	404	0.016	<1	1.76	0.005	0.04	0.1	0.04	5.7	<0.1	<0.05	6	0.9
1354900	Soil	16	17	0.70	221	0.039	<1	1.36	0.005	0.04	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5
1354896	Soil	14	17	0.95	227	0.046	<1	1.79	0.009	0.04	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5
1338307	Soil	25	7	0.74	129	0.008	<1	1.41	0.003	0.03	<0.1	0.03	3.6	<0.1	<0.05	4	0.8
1338301	Rock Pulp	18	722	0.15	156	0.166	4	3.90	0.012	0.07	<0.1	0.04	47.3	<0.1	<0.05	18	<0.5
1338302	Soil	22	16	0.49	178	0.030	<1	1.17	0.004	0.03	0.1	0.02	2.8	<0.1	<0.05	3	<0.5
1354897	Soil	21	13	0.65	301	0.030	<1	1.12	0.004	0.03	<0.1	0.05	4.4	<0.1	<0.05	3	<0.5
1338306	Soil	17	17	0.56	310	0.013	<1	1.27	0.006	0.04	0.1	0.06	3.4	<0.1	0.06	4	2.2
1338309	Soil	20	17	0.79	343	0.018	<1	1.70	0.006	0.04	<0.1	0.05	4.6	<0.1	<0.05	5	0.8
1338303	Soil	12	19	0.53	185	0.029	<1	1.36	0.004	0.03	0.1	0.05	2.5	<0.1	<0.05	4	<0.5
1354898	Soil	13	19	1.00	211	0.042	<1	1.75	0.005	0.03	0.1	0.02	3.4	<0.1	<0.05	4	<0.5
1385223	Soil	20	17	1.09	252	0.013	<1	1.55	0.003	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5
1385225	Soil	17	19	0.97	257	0.019	<1	1.62	0.004	0.05	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1345811	Soil	0.6	25.6	7.9	77	0.1	18.5	9.7	493	3.24	10.3	1.1	8.6	4.2	19	<0.1	0.3	0.1	48	0.29
1385219	Soil	1.3	39.8	30.9	99	0.4	28.1	14.6	939	2.99	38.2	3.3	9.8	3.9	25	0.9	0.3	0.2	48	0.26
1385221	Soil	1.5	28.9	12.0	73	0.2	8.3	12.9	891	3.79	9.9	1.7	50.5	5.8	8	0.5	0.4	0.4	18	0.19
1385224	Soil	0.8	21.1	7.6	71	<0.1	16.4	7.6	308	2.75	16.3	0.8	7.7	3.2	12	<0.1	0.3	<0.1	41	0.17
1345810	Soil	0.9	23.0	9.0	77	0.2	19.5	7.7	326	2.74	15.8	1.4	23.7	4.2	22	0.1	0.3	0.1	41	0.30
1385220	Soil	0.6	23.1	34.6	108	0.3	15.9	9.3	336	2.55	14.8	1.1	36.5	4.0	16	0.4	0.3	0.1	41	0.24
1345812	Soil	1.3	24.8	11.3	83	0.3	23.6	9.3	302	2.85	60.1	1.5	13.3	3.5	20	0.2	0.3	0.1	37	0.32
1385222	Soil	1.0	23.5	11.2	81	0.3	18.6	9.5	386	2.90	14.0	1.1	40.4	4.1	17	0.2	0.2	0.1	40	0.39
1385209	Soil	0.7	19.4	5.8	41	0.3	11.3	9.0	422	2.28	12.2	1.9	7.9	2.3	28	0.2	0.2	0.3	26	0.87
1338305	Soil	0.9	25.0	6.7	41	0.4	11.8	8.7	459	2.62	72.1	2.7	23.9	4.2	19	0.2	0.3	0.4	21	0.60
1385207	Soil	0.8	22.9	6.9	52	0.4	20.8	14.3	998	2.70	8.9	1.0	11.0	1.5	31	<0.1	0.3	0.2	50	0.62
1385212	Soil	1.3	24.1	8.4	62	0.4	10.4	12.6	590	3.43	14.4	1.2	12.3	4.1	20	0.3	0.3	0.3	26	0.54
1385210	Soil	1.0	16.4	7.9	49	0.3	12.1	10.1	489	2.79	16.7	1.0	7.6	4.0	21	0.2	0.3	0.3	30	0.54
1385208	Soil	0.8	32.4	10.8	66	0.5	19.4	13.1	672	2.91	16.8	1.2	17.3	2.5	26	0.3	0.3	0.6	49	0.42
1385214	Soil	1.0	31.2	15.6	91	0.3	15.3	10.3	392	2.84	13.9	1.1	15.8	2.8	15	0.4	0.3	0.2	48	0.29
1385211	Soil	1.1	17.8	9.3	54	0.6	10.9	14.2	1048	3.49	14.5	1.4	11.4	3.9	25	0.2	0.3	0.3	30	0.67
1345817	Soil	1.1	41.1	24.5	114	0.3	16.5	15.2	551	3.49	17.8	1.0	8.6	2.8	14	0.4	0.3	0.2	55	0.28
1385213	Soil	0.9	23.0	9.4	68	0.3	13.1	13.4	578	3.33	8.8	0.9	6.9	2.5	23	0.4	0.2	0.2	38	0.62
1354968	Soil	1.2	52.7	14.9	79	0.5	11.0	15.5	624	4.14	19.2	1.1	53.2	3.6	10	0.3	0.4	0.4	31	0.23
1385215	Soil	1.1	31.7	20.3	97	0.4	15.1	13.5	610	3.23	17.0	1.6	14.0	2.1	22	0.6	0.3	0.2	51	0.63
1385218	Soil	1.3	24.9	16.8	86	0.3	20.6	10.6	509	2.92	43.4	1.9	9.8	3.6	26	0.4	0.3	0.2	39	0.44
1385216	Soil	1.2	24.5	9.7	69	0.3	12.4	9.1	450	3.05	23.0	1.2	152.1	2.8	15	0.3	0.2	0.2	31	0.31
1354978	Soil	0.6	30.1	12.7	84	0.1	14.3	18.0	1069	4.47	22.8	0.5	6.0	2.8	9	0.2	0.2	<0.1	57	0.30
1354973	Soil	0.6	32.1	6.5	68	<0.1	29.9	16.3	488	3.04	31.1	0.4	3.0	2.4	16	0.1	0.2	<0.1	50	0.27
1345816	Soil	1.1	33.0	23.4	103	0.3	19.8	14.7	438	2.98	26.6	1.3	5.4	3.3	20	0.6	0.3	0.2	53	0.36
1385217	Soil	1.1	25.4	15.1	84	0.3	15.7	8.7	366	3.09	31.6	1.3	25.4	3.3	15	0.3	0.3	0.2	38	0.28
1354966	Soil	1.1	26.6	10.6	71	0.1	19.9	13.6	603	4.07	17.0	0.7	3.9	3.7	12	0.1	0.4	0.1	57	0.22
1345815	Soil	1.2	23.6	11.5	68	0.3	19.1	12.9	603	2.98	47.4	1.2	6.8	2.8	19	0.3	0.3	0.2	49	0.39
1345814	Soil	1.3	29.8	12.4	83	0.3	19.7	12.3	483	3.20	53.1	1.4	6.5	2.4	19	0.3	0.3	0.1	47	0.38
1345813	Soil	1.2	28.3	14.6	73	0.3	23.9	13.1	497	2.82	59.2	3.6	7.2	3.3	27	0.2	0.3	0.1	50	0.43

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1345811	Soil	16	22	1.25	246	0.018	<1	1.98	0.004	0.04	<0.1	0.03	5.7	<0.1	<0.05	6	<0.5
1385219	Soil	27	22	0.92	685	0.011	<1	2.09	0.005	0.05	0.1	0.06	5.3	<0.1	<0.05	6	1.3
1385221	Soil	21	7	0.45	149	0.009	<1	0.91	0.003	0.02	<0.1	0.06	4.4	<0.1	0.06	3	1.0
1385224	Soil	15	18	0.89	240	0.018	<1	1.63	0.004	0.05	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1345810	Soil	21	20	1.01	384	0.020	<1	1.70	0.005	0.06	0.1	0.02	4.2	<0.1	<0.05	5	<0.5
1385220	Soil	20	19	0.86	326	0.017	<1	1.58	0.004	0.05	0.1	0.07	4.3	<0.1	<0.05	4	<0.5
1345812	Soil	16	22	1.14	303	0.012	<1	1.85	0.005	0.06	<0.1	0.03	3.8	<0.1	<0.05	6	0.5
1385222	Soil	17	21	1.07	402	0.015	<1	1.59	0.004	0.06	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5
1385209	Soil	15	13	0.59	234	0.011	<1	1.21	0.007	0.03	0.1	0.05	3.0	<0.1	0.08	4	0.9
1338305	Soil	17	12	0.50	273	0.013	<1	1.07	0.005	0.04	0.1	0.04	2.8	<0.1	0.05	3	1.0
1385207	Soil	20	22	0.79	590	0.018	<1	1.86	0.008	0.04	0.1	0.05	4.0	<0.1	<0.05	5	<0.5
1385212	Soil	18	11	0.89	229	0.012	<1	1.55	0.006	0.03	<0.1	0.04	4.1	<0.1	<0.05	5	0.8
1385210	Soil	16	16	0.62	191	0.020	<1	1.37	0.008	0.05	0.2	0.03	2.9	<0.1	<0.05	4	<0.5
1385208	Soil	14	25	0.96	345	0.018	<1	1.67	0.007	0.03	0.2	0.04	4.9	<0.1	0.05	5	1.3
1385214	Soil	17	21	0.81	375	0.018	<1	1.77	0.005	0.04	0.1	0.06	4.9	<0.1	<0.05	5	0.6
1385211	Soil	22	12	0.70	256	0.007	<1	1.42	0.005	0.03	<0.1	0.06	3.9	<0.1	0.05	5	1.0
1345817	Soil	14	20	1.20	317	0.015	<1	1.90	0.005	0.03	<0.1	0.08	5.6	<0.1	<0.05	6	0.8
1385213	Soil	14	14	0.85	277	0.017	<1	1.68	0.006	0.03	<0.1	0.03	5.3	<0.1	<0.05	6	0.5
1354968	Soil	14	11	1.14	180	0.007	<1	1.54	0.005	0.03	<0.1	0.05	4.8	<0.1	<0.05	5	0.9
1385215	Soil	15	21	0.83	443	0.015	<1	1.84	0.007	0.04	0.1	0.07	4.8	<0.1	<0.05	6	0.8
1385218	Soil	18	20	0.93	393	0.016	<1	1.54	0.006	0.05	0.1	0.03	4.1	<0.1	<0.05	5	0.6
1385216	Soil	13	14	0.65	350	0.015	<1	1.36	0.004	0.04	0.1	0.03	3.9	<0.1	<0.05	5	<0.5
1354978	Soil	9	14	1.64	152	0.012	<1	2.37	0.003	0.03	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5
1354973	Soil	7	38	1.60	96	0.040	<1	1.76	0.002	0.03	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5
1345816	Soil	16	21	1.04	404	0.020	<1	1.74	0.007	0.03	0.2	0.07	5.1	<0.1	<0.05	5	0.5
1385217	Soil	17	18	0.81	400	0.019	<1	1.52	0.005	0.04	0.1	0.05	4.7	<0.1	<0.05	5	0.5
1354966	Soil	12	24	1.37	222	0.025	<1	2.21	0.005	0.04	<0.1	0.03	5.4	<0.1	<0.05	7	<0.5
1345815	Soil	13	24	0.89	416	0.019	<1	1.76	0.007	0.04	0.2	0.03	4.3	<0.1	<0.05	5	0.6
1345814	Soil	14	21	1.16	360	0.015	<1	1.78	0.005	0.05	0.1	0.03	4.0	<0.1	<0.05	5	0.5
1345813	Soil	18	21	0.89	488	0.016	<1	1.68	0.007	0.05	0.1	0.05	4.8	<0.1	<0.05	5	1.3

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1354970	Soil	2.0	44.7	7.1	56	0.4	12.7	19.8	651	4.32	13.4	0.9	53.5	5.2	4	0.1	0.2	0.7	19	0.15	0.079
1354964	Soil	0.9	35.2	8.4	80	<0.1	21.6	11.1	771	3.43	43.0	0.9	5.0	4.6	13	0.3	0.2	<0.1	32	0.27	0.084
1354972	Soil	0.7	30.4	10.9	81	<0.1	20.6	13.1	353	3.00	11.5	1.1	20.7	6.9	11	0.1	0.2	0.2	31	0.21	0.078
1338275	Soil	0.9	27.1	6.6	80	0.2	17.9	12.4	580	3.81	3.9	0.9	3.1	3.7	15	<0.1	0.2	0.1	56	0.32	0.052
1354981	Soil	0.5	24.0	6.8	55	<0.1	14.4	12.8	528	3.30	6.7	0.6	1.2	2.4	8	<0.1	0.3	<0.1	61	0.13	0.019
1338274	Soil	1.1	26.5	6.8	79	0.2	17.4	11.8	570	3.68	3.7	0.7	4.8	3.8	14	<0.1	0.2	0.1	49	0.31	0.053
1354962	Soil	1.2	24.8	11.6	73	0.1	23.2	11.4	426	3.44	57.6	0.6	20.7	4.4	9	0.1	0.3	0.1	54	0.13	0.037
1354976	Soil	2.1	42.3	10.8	105	0.2	39.6	13.0	515	4.06	414.5	1.2	11.0	5.3	16	0.3	1.3	0.1	49	0.27	0.090
1354984	Soil	0.5	43.3	4.6	90	0.1	4.9	15.7	1039	5.05	4.3	0.7	12.6	3.2	14	0.1	0.2	0.1	65	0.38	0.084
1354982	Soil	0.4	37.0	4.8	86	<0.1	27.1	14.5	828	4.05	5.1	0.7	8.8	3.2	14	0.3	0.1	<0.1	83	0.33	0.079
1354983	Soil	0.3	30.3	6.3	73	0.1	17.1	12.7	830	3.47	4.8	0.6	1.3	3.3	12	0.1	0.3	<0.1	82	0.30	0.085
1354965	Soil	0.8	23.4	14.9	74	0.2	18.1	12.9	652	3.74	18.4	0.7	2.0	3.5	8	<0.1	0.3	0.1	54	0.15	0.031
1354980	Soil	0.4	28.1	8.9	69	<0.1	14.3	14.2	703	3.40	5.1	0.5	4.0	2.9	10	<0.1	0.3	<0.1	53	0.17	0.037
1354967	Soil	0.4	33.0	11.1	79	<0.1	9.3	19.8	833	4.49	11.1	0.5	14.6	3.0	7	0.1	0.2	<0.1	54	0.18	0.034
1354977	Soil	0.3	34.3	8.6	71	<0.1	11.5	16.1	931	4.01	11.4	0.5	3.2	3.2	9	<0.1	0.4	<0.1	54	0.16	0.039
1354969	Soil	0.5	114.1	27.4	112	0.2	12.0	26.9	469	4.39	4.7	1.0	9.8	2.7	5	0.9	0.4	0.1	73	0.12	0.053
1354979	Soil	0.9	27.1	10.6	66	<0.1	15.7	14.6	722	3.68	10.4	0.6	5.4	3.0	13	<0.1	0.4	0.1	58	0.21	0.028
1354986	Soil	0.3	16.9	6.9	84	<0.1	8.8	24.5	1217	4.93	2.6	0.4	30.5	2.1	8	0.1	0.2	<0.1	94	0.20	0.056
1354991	Soil	2.3	48.4	25.3	97	0.2	32.2	17.4	717	3.88	467.8	0.9	25.8	5.0	18	0.4	0.3	0.3	38	0.22	0.095
1354985	Soil	1.3	28.0	7.2	82	<0.1	18.0	11.8	497	3.26	4.1	0.9	9.1	4.8	12	<0.1	0.2	0.2	40	0.22	0.061
1354992	Soil	1.5	40.7	25.2	120	0.2	20.4	15.6	513	3.37	12.8	1.1	13.4	7.3	8	0.3	0.4	0.2	40	0.13	0.061
1354963	Soil	0.9	31.2	12.7	79	0.2	19.8	12.7	571	3.62	33.7	0.8	5.3	3.7	18	0.2	0.4	0.1	50	0.29	0.057
1354987	Soil	0.6	28.3	12.6	87	<0.1	32.8	16.5	759	4.11	1.7	1.0	3.0	5.6	12	<0.1	0.2	0.3	71	0.24	0.083
1349498	Soil	0.6	41.0	8.1	89	0.1	9.5	15.6	980	4.77	176.6	1.2	14.0	2.4	23	0.2	0.3	0.1	44	0.29	0.084
1354990	Soil	0.5	50.6	7.4	78	0.3	8.0	24.3	1318	5.17	17.6	0.3	3.8	2.5	9	0.2	0.2	<0.1	51	0.26	0.068
1354971	Soil	1.2	52.6	18.0	82	0.2	22.2	17.1	441	3.91	14.5	1.2	6.8	4.9	15	0.1	0.6	0.2	71	0.17	0.048
1349495	Soil	0.6	30.4	8.5	79	0.1	20.7	12.3	508	3.41	21.5	1.0	2.5	3.5	20	0.2	0.2	0.1	50	0.37	0.090
1354988	Soil	0.8	63.8	9.2	68	0.2	16.6	24.7	952	3.82	7.2	0.8	6.7	3.3	4	0.1	0.3	0.2	33	0.16	0.059
1354989	Soil	0.5	50.4	10.5	73	0.2	11.6	22.3	1341	4.73	4.8	0.6	5.3	2.9	8	<0.1	0.3	<0.1	61	0.25	0.064
1354950	Soil	1.9	38.6	37.0	370	0.6	17.8	14.4	583	3.79	11.6	1.2	22.8	5.8	16	1.5	0.4	0.2	38	0.27	0.091

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1354970	Soil	13	9	1.14	119	0.004	<1	1.52	0.003	0.03	<0.1	0.04	5.7	<0.1	<0.05	4	0.9
1354964	Soil	14	16	0.69	205	0.008	<1	1.29	0.004	0.06	<0.1	0.01	4.9	<0.1	<0.05	4	<0.5
1354972	Soil	23	19	0.95	481	0.014	<1	1.43	0.003	0.06	<0.1	0.02	7.3	<0.1	<0.05	5	0.6
1338275	Soil	14	17	1.31	307	0.025	<1	1.88	0.004	0.07	<0.1	0.01	6.2	<0.1	<0.05	7	<0.5
1354981	Soil	9	19	1.55	159	0.025	<1	2.27	0.004	0.03	<0.1	0.02	5.7	<0.1	<0.05	6	<0.5
1338274	Soil	13	17	1.26	244	0.028	<1	1.67	0.003	0.07	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5
1354962	Soil	14	26	1.25	214	0.019	<1	1.88	0.004	0.04	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5
1354976	Soil	18	26	0.87	225	0.007	<1	1.42	0.004	0.06	<0.1	0.02	6.1	<0.1	<0.05	5	0.5
1354984	Soil	18	4	1.63	147	0.013	<1	2.28	0.002	0.06	<0.1	0.02	9.1	<0.1	<0.05	8	<0.5
1354982	Soil	9	39	1.54	158	0.033	<1	1.71	0.005	0.12	<0.1	0.02	12.7	0.1	<0.05	8	<0.5
1354983	Soil	15	35	1.22	194	0.032	<1	1.63	0.004	0.07	<0.1	<0.01	7.7	<0.1	<0.05	7	<0.5
1354965	Soil	13	19	1.31	218	0.017	<1	2.16	0.005	0.05	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5
1354980	Soil	12	20	1.46	187	0.021	<1	2.05	0.003	0.03	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5
1354967	Soil	9	11	1.71	144	0.011	<1	2.34	0.002	0.03	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5
1354977	Soil	13	13	1.75	207	0.011	1	2.29	0.002	0.03	<0.1	0.03	6.3	<0.1	<0.05	7	<0.5
1354969	Soil	14	13	1.87	159	0.008	<1	2.23	0.002	0.02	<0.1	0.12	11.9	<0.1	<0.05	6	0.6
1354979	Soil	10	19	1.10	202	0.029	<1	2.11	0.005	0.03	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5
1354986	Soil	12	14	2.41	281	0.027	<1	2.37	0.003	0.08	<0.1	0.03	14.2	<0.1	<0.05	8	<0.5
1354991	Soil	17	19	1.51	160	0.004	<1	1.75	0.002	0.05	<0.1	0.01	3.1	<0.1	<0.05	6	0.8
1354985	Soil	14	18	1.13	227	0.032	<1	1.42	0.003	0.07	<0.1	0.02	5.8	<0.1	<0.05	5	<0.5
1354992	Soil	26	25	1.18	298	0.016	<1	1.84	0.003	0.04	<0.1	0.04	6.7	<0.1	<0.05	5	0.6
1354963	Soil	14	22	1.47	293	0.017	<1	2.07	0.005	0.05	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5
1354987	Soil	16	29	2.86	161	0.068	<1	2.49	0.002	0.20	<0.1	<0.01	9.7	0.2	<0.05	10	<0.5
1349498	Soil	7	7	0.92	122	0.006	<1	1.58	0.003	0.07	<0.1	0.01	4.7	<0.1	<0.05	5	<0.5
1354990	Soil	6	7	1.70	78	0.004	<1	2.26	0.003	0.04	<0.1	0.01	7.7	<0.1	<0.05	6	<0.5
1354971	Soil	19	27	1.50	345	0.033	1	2.25	0.006	0.04	<0.1	0.04	8.2	<0.1	<0.05	6	<0.5
1349495	Soil	11	21	1.25	188	0.024	<1	1.63	0.004	0.05	<0.1	0.02	5.4	<0.1	<0.05	5	0.6
1354988	Soil	15	13	1.67	116	0.003	<1	1.90	0.005	0.02	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5
1354989	Soil	14	18	2.13	111	0.005	<1	2.73	0.002	0.02	<0.1	0.01	9.7	<0.1	<0.05	7	<0.5
1354950	Soil	17	17	0.84	262	0.017	<1	1.24	0.003	0.03	<0.1	0.13	5.0	<0.1	<0.05	3	1.0

CERTIFICATE OF ANALYSIS

WHI14000228.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1349493	Soil	0.8	39.4	16.2	94	0.2	23.6	15.5	714	3.76	117.7	1.7	5.5	3.8	27	0.3	0.3	0.2	36	0.39	0.100
1349500	Soil	0.5	33.9	16.0	86	0.2	24.3	12.1	501	3.05	29.2	0.9	17.5	5.0	24	0.4	0.4	0.2	41	0.34	0.092
1354939	Soil	0.8	27.5	16.8	87	0.4	13.4	11.3	393	2.56	13.9	1.6	30.4	3.4	25	0.5	0.3	0.2	37	0.57	0.058
1354948	Soil	0.8	31.2	21.2	135	0.2	12.1	9.5	361	3.02	8.8	0.9	17.3	4.7	13	0.5	0.3	0.2	35	0.24	0.076
1354949	Soil	1.3	31.2	26.6	149	0.4	15.2	9.5	336	3.23	11.8	1.3	15.9	5.7	16	0.4	0.4	0.2	34	0.26	0.076
1349494	Soil	0.8	30.5	10.3	99	0.1	19.9	11.6	718	3.19	19.3	1.1	10.1	6.5	19	0.3	0.1	0.1	36	0.35	0.117
1349496	Soil	1.1	38.8	11.3	98	0.1	21.9	14.5	802	3.76	31.1	1.1	9.1	4.7	18	0.4	0.2	0.1	42	0.32	0.093
1349490	Soil	1.6	56.3	26.5	180	0.8	14.8	13.7	693	4.08	11.5	1.3	30.0	5.3	16	0.8	0.4	0.2	38	0.26	0.087
1354907	Soil	0.8	29.2	12.2	72	0.2	20.4	12.9	759	3.31	24.8	3.2	9.7	2.4	42	0.3	0.3	0.2	44	0.61	0.081
1349492	Soil	0.5	27.3	12.9	67	0.1	21.5	12.3	504	3.00	31.2	2.0	4.2	3.0	33	0.1	0.4	0.1	34	0.50	0.065
1349497	Soil	0.7	26.8	11.1	68	<0.1	17.5	14.3	539	3.56	22.1	0.9	16.5	3.0	18	<0.1	0.3	0.1	46	0.30	0.073
1354935	Soil	0.4	9.7	4.1	34	0.1	7.5	4.6	345	1.97	9.2	0.7	12.2	4.3	10	<0.1	0.2	0.1	21	0.22	0.068
1354945	Soil	1.0	24.9	15.8	84	0.2	10.9	9.2	474	3.13	10.2	1.1	23.2	3.1	13	0.3	0.4	0.2	39	0.28	0.070
1354944	Soil	1.0	20.9	20.9	86	0.3	14.0	8.8	340	2.70	12.8	0.9	16.5	3.4	13	0.3	0.3	0.2	39	0.25	0.071
1354940	Soil	0.9	21.9	13.6	74	0.2	14.9	13.4	356	3.24	26.7	1.3	10.5	3.9	19	0.3	0.4	0.2	37	0.35	0.082
1354937	Soil	1.0	16.9	11.4	72	0.3	9.4	17.8	1466	2.36	7.9	0.9	13.0	1.6	30	0.5	0.2	0.2	33	0.80	0.078
1354938	Soil	0.7	22.1	10.3	75	0.2	11.5	9.9	432	3.02	12.1	1.0	5.8	4.4	19	0.3	0.4	0.3	33	0.43	0.088
1354936	Soil	0.4	13.7	6.1	35	0.2	10.5	5.0	205	1.94	15.2	1.0	8.6	3.9	13	0.1	0.3	0.2	25	0.23	0.058
1349491	Soil	0.5	24.2	11.6	76	0.2	21.8	12.6	667	3.57	18.2	2.3	5.6	2.8	46	0.3	0.2	0.2	42	0.72	0.076
1354943	Soil	1.2	19.6	19.7	103	0.4	15.9	10.8	549	2.97	20.5	1.6	6.5	2.8	20	0.5	0.2	0.2	38	0.37	0.079
1354934	Soil	0.5	9.0	3.7	34	<0.1	8.5	5.5	316	2.23	8.0	0.5	37.1	3.8	9	<0.1	0.2	0.1	25	0.21	0.069
1349499	Soil	0.5	23.3	14.0	67	0.1	22.9	12.7	638	3.17	20.0	0.9	7.3	3.5	17	0.1	0.2	0.2	28	0.32	0.082
1354946	Soil	0.9	22.8	12.3	78	0.4	17.9	9.0	459	2.74	12.1	1.0	41.0	3.0	17	0.2	0.2	0.1	38	0.32	0.093
1354947	Soil	1.0	16.7	10.3	74	0.2	14.9	8.1	364	2.81	8.5	1.0	81.5	4.8	12	0.1	0.2	0.1	35	0.21	0.069
1354942	Soil	1.1	20.8	17.3	90	0.3	14.5	10.4	430	3.26	29.8	1.7	10.2	3.8	17	0.2	0.3	0.2	44	0.37	0.075
1354941	Soil	0.8	13.1	7.3	71	0.2	11.3	9.1	474	3.06	14.3	0.8	6.1	5.5	11	0.2	0.2	0.2	23	0.33	0.103

CERTIFICATE OF ANALYSIS

WHI14000228.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1349493	Soil	12	16	0.98	146	0.008	<1	1.33	0.003	0.06	<0.1	0.01	3.6	<0.1	<0.05	4	0.6
1349500	Soil	16	19	0.98	170	0.015	<1	1.39	0.004	0.05	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5
1354939	Soil	22	16	0.69	419	0.013	<1	1.40	0.005	0.04	0.1	0.08	4.5	<0.1	<0.05	5	0.6
1354948	Soil	15	15	0.65	215	0.021	<1	1.26	0.004	0.03	0.1	0.05	4.6	<0.1	<0.05	4	<0.5
1354949	Soil	22	17	0.88	381	0.016	<1	1.45	0.003	0.04	<0.1	0.04	5.4	<0.1	<0.05	4	0.5
1349494	Soil	23	16	1.12	131	0.020	<1	1.39	0.002	0.12	<0.1	0.01	5.6	0.1	<0.05	4	<0.5
1349496	Soil	16	16	1.09	161	0.016	<1	1.41	0.003	0.10	<0.1	<0.01	5.7	<0.1	<0.05	5	<0.5
1349490	Soil	17	11	0.77	261	0.008	<1	1.04	0.003	0.03	<0.1	0.04	6.2	<0.1	<0.05	3	0.6
1354907	Soil	10	20	0.92	284	0.015	<1	1.59	0.006	0.05	<0.1	0.04	4.4	<0.1	<0.05	5	1.6
1349492	Soil	10	14	0.91	211	0.013	<1	1.43	0.004	0.05	<0.1	0.03	3.9	<0.1	<0.05	4	0.9
1349497	Soil	9	18	1.13	153	0.021	<1	1.64	0.004	0.03	<0.1	0.02	4.5	<0.1	<0.05	5	0.7
1354935	Soil	21	12	0.60	143	0.016	<1	1.11	0.003	0.03	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5
1354945	Soil	18	15	0.63	216	0.019	<1	1.41	0.004	0.03	<0.1	0.04	5.0	<0.1	<0.05	4	<0.5
1354944	Soil	16	18	0.75	254	0.018	<1	1.44	0.004	0.05	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5
1354940	Soil	15	16	0.84	325	0.019	<1	1.43	0.005	0.03	0.2	0.05	4.1	<0.1	<0.05	4	<0.5
1354937	Soil	15	12	0.63	343	0.010	<1	1.21	0.005	0.03	<0.1	0.06	3.7	<0.1	<0.05	4	<0.5
1354938	Soil	21	12	0.78	227	0.016	<1	1.34	0.004	0.03	0.1	0.04	3.9	<0.1	<0.05	4	<0.5
1354936	Soil	26	14	0.42	208	0.019	<1	1.04	0.004	0.05	0.1	0.02	3.3	<0.1	<0.05	3	<0.5
1349491	Soil	12	18	1.22	324	0.009	<1	1.82	0.005	0.06	<0.1	0.03	4.4	<0.1	<0.05	5	1.3
1354943	Soil	16	18	0.96	318	0.011	<1	1.68	0.004	0.05	0.1	0.04	4.2	<0.1	<0.05	5	0.6
1354934	Soil	10	11	0.48	107	0.026	<1	1.13	0.003	0.03	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5
1349499	Soil	11	11	0.87	120	0.008	<1	1.23	0.003	0.05	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5
1354946	Soil	18	19	1.06	370	0.015	<1	1.72	0.005	0.06	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5
1354947	Soil	18	17	1.01	318	0.016	<1	1.53	0.004	0.05	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5
1354942	Soil	18	15	0.85	254	0.018	<1	1.61	0.005	0.04	0.1	0.05	4.6	<0.1	<0.05	5	0.6
1354941	Soil	16	11	1.02	156	0.011	<1	1.39	0.003	0.03	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5

QUALITY CONTROL REPORT

WHI14000228.1

Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
1392884	Soil		1.0	38.2	13.0	88	0.2	34.3	18.6	657	4.33	17.1	0.6	2.3	5.1	13	0.2	0.2	0.1	78	0.27	0.055	
REP 1392884	QC		1.0	38.8	13.5	89	0.2	36.8	18.8	676	4.23	16.5	0.6	2.2	5.5	14	0.2	0.3	0.1	76	0.28	0.064	
1338339	Soil		1.0	13.8	9.3	77	0.1	7.3	5.0	431	2.53	3.5	0.7	7.2	4.7	5	<0.1	0.2	0.2	16	0.12	0.046	
REP 1338339	QC		1.0	13.9	9.9	75	0.2	7.6	5.1	453	2.63	3.5	0.8	93.2	4.9	6	<0.1	0.2	0.2	16	0.12	0.045	
1385244	Soil		0.3	43.5	9.0	71	0.1	20.7	15.0	734	3.70	5.8	0.9	7.3	3.8	19	0.1	0.4	0.1	57	0.37	0.069	
REP 1385244	QC		0.3	43.5	9.2	73	0.1	21.5	14.9	749	3.70	5.9	0.8	5.1	3.6	19	0.2	0.4	0.1	62	0.37	0.078	
1370408	Soil		0.8	25.2	13.6	84	0.2	19.0	9.0	289	2.57	16.1	0.9	10.4	5.7	17	0.2	0.2	0.1	39	0.27	0.081	
REP 1370408	QC		0.7	24.2	13.7	78	0.2	18.3	8.9	285	2.49	15.3	1.0	6.2	5.9	16	0.2	0.3	0.1	41	0.27	0.088	
1354998	Soil		0.8	30.4	14.8	82	<0.1	18.9	14.6	820	4.29	33.8	0.8	4.7	3.4	17	0.1	0.4	0.2	85	0.24	0.043	
REP 1354998	QC		0.9	30.8	15.4	81	<0.1	18.4	15.6	771	4.34	36.2	0.8	5.8	3.5	18	0.1	0.6	0.1	86	0.22	0.044	
1338307	Soil		0.8	20.8	7.9	50	0.4	7.1	12.6	623	3.87	68.1	1.6	22.5	7.7	18	0.2	0.6	0.6	24	0.43	0.118	
REP 1338307	QC		1.0	20.5	7.0	48	0.4	6.9	12.3	609	3.80	69.1	1.4	16.6	6.7	18	0.2	0.5	0.5	23	0.45	0.124	
1345815	Soil		1.2	23.6	11.5	68	0.3	19.1	12.9	603	2.98	47.4	1.2	6.8	2.8	19	0.3	0.3	0.2	49	0.39	0.058	
REP 1345815	QC		1.1	22.6	11.3	68	0.3	18.7	12.5	591	2.97	46.2	1.1	4.3	2.7	20	0.4	0.3	0.2	49	0.38	0.062	
1354948	Soil		0.8	31.2	21.2	135	0.2	12.1	9.5	361	3.02	8.8	0.9	17.3	4.7	13	0.5	0.3	0.2	35	0.24	0.076	
REP 1354948	QC		0.8	30.3	21.3	132	0.3	12.1	9.7	376	3.09	8.9	0.9	16.8	4.7	13	0.4	0.4	0.2	37	0.23	0.075	
1354941	Soil		0.8	13.1	7.3	71	0.2	11.3	9.1	474	3.06	14.3	0.8	6.1	5.5	11	0.2	0.2	0.2	23	0.33	0.103	
REP 1354941	QC		0.8	13.0	7.3	66	0.2	10.6	8.8	478	2.96	13.8	0.8	154.8	5.3	11	0.2	0.2	0.2	22	0.29	0.102	
Reference Materials																							
STD DS10	Standard		16.1	161.4	166.4	369	2.0	77.1	14.2	883	2.73	48.9	2.8	95.5	8.4	65	2.8	10.1	13.7	47	1.13	0.087	
STD DS10	Standard		15.7	160.7	165.1	374	2.0	74.5	11.7	864	2.70	45.7	2.8	93.3	8.0	74	2.5	10.1	13.8	44	1.01	0.075	
STD DS10	Standard		16.3	164.7	160.4	393	1.9	79.2	13.7	893	2.80	46.3	2.9	75.3	8.1	75	2.4	9.8	13.0	48	1.02	0.074	
STD DS10	Standard		16.2	165.5	158.4	416	2.0	80.9	12.0	905	2.82	44.6	2.8	72.4	7.5	70	2.7	9.2	11.6	48	1.10	0.076	
STD DS10	Standard		15.2	164.0	158.7	375	2.0	77.0	12.9	910	2.78	47.9	2.7	69.1	7.9	71	2.6	8.8	12.7	45	1.07	0.074	
STD DS10	Standard		14.9	161.9	160.5	377	1.9	74.3	13.0	875	2.67	44.3	2.9	76.8	7.9	69	2.5	9.3	13.3	45	1.00	0.077	
STD DS10	Standard		15.6	150.9	160.1	351	1.8	78.3	12.6	922	2.88	41.0	2.6	65.9	7.3	65	2.3	7.9	11.9	40	1.09	0.075	
STD DS10	Standard		15.6	175.6	151.4	407	2.0	81.1	12.4	964	2.92	43.1	2.6	83.0	7.3	62	2.4	7.4	12.6	49	1.18	0.077	
STD DS10	Standard		15.1	159.1	148.0	352	1.9	78.3	12.1	825	2.73	41.2	2.5	83.1	6.7	66	2.3	8.8	11.5	39	0.99	0.067	

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1392884	Soil	19	47	2.26	186	0.014	<1	2.48	0.003	0.04	<0.1	0.01	10.3	<0.1	<0.05	7	<0.5	<0.2
REP 1392884	QC	19	46	2.15	181	0.013	<1	2.47	0.003	0.04	<0.1	0.01	10.6	<0.1	<0.05	8	<0.5	<0.2
1338339	Soil	13	7	0.46	158	0.009	<1	0.76	0.003	0.06	<0.1	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
REP 1338339	QC	15	8	0.43	166	0.009	1	0.80	0.003	0.06	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
1385244	Soil	16	21	1.46	245	0.012	1	2.29	0.005	0.04	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5	<0.2
REP 1385244	QC	16	22	1.46	254	0.012	1	2.38	0.005	0.04	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5	<0.2
1370408	Soil	20	21	0.96	401	0.021	<1	1.52	0.005	0.09	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
REP 1370408	QC	20	22	0.97	371	0.023	<1	1.58	0.005	0.08	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1354998	Soil	11	20	1.56	281	0.025	<1	2.37	0.005	0.04	<0.1	0.03	9.0	<0.1	<0.05	8	<0.5	<0.2
REP 1354998	QC	12	20	1.63	293	0.026	<1	2.38	0.005	0.04	<0.1	0.03	9.4	<0.1	<0.05	8	<0.5	<0.2
1338307	Soil	25	7	0.74	129	0.008	<1	1.41	0.003	0.03	<0.1	0.03	3.6	<0.1	<0.05	4	0.8	<0.2
REP 1338307	QC	25	5	0.85	128	0.009	1	1.44	0.003	0.04	<0.1	0.02	3.8	<0.1	<0.05	5	0.8	<0.2
1345815	Soil	13	24	0.89	416	0.019	<1	1.76	0.007	0.04	0.2	0.03	4.3	<0.1	<0.05	5	0.6	<0.2
REP 1345815	QC	13	24	0.89	402	0.019	<1	1.68	0.007	0.05	0.2	0.03	4.1	<0.1	<0.05	5	0.6	<0.2
1354948	Soil	15	15	0.65	215	0.021	<1	1.26	0.004	0.03	0.1	0.05	4.6	<0.1	<0.05	4	<0.5	<0.2
REP 1354948	QC	15	15	0.66	213	0.021	<1	1.24	0.004	0.03	<0.1	0.05	4.5	<0.1	<0.05	3	<0.5	<0.2
1354941	Soil	16	11	1.02	156	0.011	<1	1.39	0.003	0.03	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
REP 1354941	QC	16	11	0.94	148	0.010	<1	1.34	0.003	0.03	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	18	58	0.80	341	0.089	7	1.03	0.066	0.36	3.5	0.30	3.3	5.4	0.29	5	2.1	4.9
STD DS10	Standard	20	53	0.83	397	0.080	7	1.05	0.062	0.34	3.7	0.34	3.1	5.7	0.26	5	1.8	5.5
STD DS10	Standard	20	57	0.79	360	0.084	7	1.13	0.066	0.35	3.3	0.31	3.1	5.1	0.28	5	2.3	5.4
STD DS10	Standard	18	53	0.87	365	0.082	7	1.06	0.075	0.38	3.9	0.32	3.1	5.3	0.31	5	2.5	5.2
STD DS10	Standard	19	55	0.79	370	0.082	7	1.11	0.070	0.34	3.1	0.31	3.1	5.1	0.27	4	1.9	5.1
STD DS10	Standard	18	53	0.77	345	0.076	9	1.03	0.058	0.32	3.3	0.30	3.0	4.9	0.28	5	3.3	5.1
STD DS10	Standard	17	54	0.77	396	0.079	7	1.05	0.061	0.33	3.3	0.29	3.0	4.9	0.29	5	2.3	4.8
STD DS10	Standard	17	53	0.83	357	0.085	7	1.11	0.068	0.36	3.3	0.29	3.3	5.2	0.31	5	2.4	5.1
STD DS10	Standard	17	49	0.79	356	0.071	7	0.98	0.067	0.32	3.3	0.29	2.7	5.0	0.25	4	2.5	5.3

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		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 U ppm 0.1	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001
STD OXC109	Standard	1.6	38.7	11.0	44	<0.1	71.7	19.3	395	2.71	1.1	0.6	196.2	1.5	136	<0.1	<0.1	<0.1	48	0.64	0.113
STD OXC109	Standard	1.6	35.1	11.9	42	<0.1	73.7	18.5	437	3.03	1.1	0.7	222.4	1.5	154	<0.1	<0.1	<0.1	50	0.67	0.102
STD OXC109	Standard	1.6	37.4	11.6	41	<0.1	72.5	18.4	438	2.82	0.9	0.6	208.5	1.7	148	<0.1	<0.1	<0.1	50	0.73	0.107
STD OXC109	Standard	1.5	35.8	10.4	45	<0.1	77.4	18.5	402	2.91	<0.5	0.6	198.3	1.4	148	<0.1	<0.1	<0.1	48	0.75	0.099
STD OXC109	Standard	1.3	35.1	11.2	39	<0.1	71.7	19.4	409	2.90	0.7	0.6	194.4	1.5	140	<0.1	<0.1	<0.1	50	0.71	0.099
STD OXC109	Standard	1.2	35.7	11.7	40	<0.1	75.1	20.2	435	2.86	0.9	0.7	222.1	1.6	143	<0.1	<0.1	<0.1	47	0.66	0.101
STD OXC109	Standard	1.6	31.5	10.3	42	<0.1	78.7	17.9	392	2.89	0.8	0.6	207.7	1.4	146	<0.1	<0.1	<0.1	52	0.76	0.104
STD OXC109	Standard	1.5	36.3	10.2	42	<0.1	76.4	18.7	456	3.14	0.7	0.6	214.0	1.5	148	<0.1	<0.1	<0.1	52	0.74	0.111
STD OXC109	Standard	1.6	33.4	10.2	42	<0.1	73.7	19.6	409	2.93	<0.5	0.5	203.3	1.4	133	<0.1	<0.1	<0.1	49	0.66	0.097
STD OXC109	Standard	1.4	34.3	11.1	41	<0.1	75.9	17.5	409	2.85	<0.5	0.5	208.8	1.3	131	<0.1	<0.1	<0.1	43	0.66	0.109
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OXC109 Expected		201																			
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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		AQ201 La ppm	AQ201 Cr ppm	AQ201 Mg %	AQ201 Ba ppm	AQ201 Ti %	AQ201 B ppm	AQ201 Al %	AQ201 Na %	AQ201 K %	AQ201 W ppm	AQ201 Hg ppm	AQ201 Sc ppm	AQ201 Ti ppm	AQ201 S %	AQ201 Ga ppm	AQ201 Se ppm	AQ201 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC109	Standard	13	53	1.37	56	0.370	<1	1.43	0.611	0.39	0.2	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	14	55	1.51	60	0.375	1	1.58	0.680	0.37	0.3	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	56	1.41	55	0.382	<1	1.56	0.645	0.40	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	13	54	1.44	56	0.336	1	1.56	0.616	0.40	0.2	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	58	1.42	57	0.373	2	1.47	0.621	0.42	0.2	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	13	57	1.43	54	0.372	3	1.56	0.724	0.40	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	12	62	1.47	51	0.405	2	1.56	0.635	0.40	0.2	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	13	58	1.43	53	0.382	1	1.48	0.690	0.42	0.2	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	12	54	1.52	52	0.383	1	1.39	0.663	0.43	0.2	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC109	Standard	12	55	1.36	54	0.373	2	1.39	0.674	0.42	0.2	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OXC109 Expected																		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix 3 – Magnetic Survey SOP

Magnetic Survey Standard Operating Procedure

1.0 Overview

This document contains the standard operating procedure utilized by GroundTruth Exploration for completing a ground based Magnetic Survey on the KSD property of the Dawson Mining District, YT.

The survey consists of 1 base mag running at a fixed position for the duration of the survey, and two rover/walk mags that operators carry on gridlines over the property. The GSM-19T proton magnetometer has a 0.1nT sensitivity.

The magnetic field measuring process consist of the following steps:

- Polarization: A strong DC current is passed through the sensor creating polarization of a proton-rich fluid in the sensor
- Pause: The pause allows the electrical transient to die off, leaving a slowly decaying proton precession signal above the noise level.
- Counting: The proton precession frequency is measured and converted into magnetic field units.
- Storage: The result are stored in memory together with date, time and coordinates of measurements. In base station mode, only the time and total field are stored.

2.0 Personnel

The survey is completed by one or two mag operators working simultaneously off the same base station.

3.0 Field Equipment

- 2x GSM-19T proton magnetometer (walk mode)
- 1x GSM-19T proton magnetometer (base mode)
- 2x Garmin GPS
- Field Laptop

4.0 Field Operation

The base mag is set up in a magnetically stable location for the duration of the survey. It takes readings every 5 seconds to account for diurnal changes in the magnetic field in Nano Teslas (nT). These are natural changes in the magnetic field throughout the day.

The “Walk MAG”, is carried by the surveyor and measures the local, near surface changes in the magnetic field at a rate of 1 reading/second. Multiple walk MAGs can be utilized on the same property and corrected with the same base MAG.

Field data is downloaded on a nightly basis and checked for both quality and completeness. Diurnal changes are accounted for by adjusting the local values with the base station, negating atmospheric fluctuations in the magnetic field that may result in false positive or negative results.

Appendix 4 – IP/Resistivity SOP and 2014 Sections

Resistivity & Induced Polarization Standard Operating Procedure

1.0 Overview

This document contains the standard operating procedure utilized by GroundTruth Exploration for completing the 2014 High Resolution DC Resistivity/IP Survey on the KSD property of the Dawson Mining District, YT.

The Multi-electrode, high resolution, shallow resistivity/IP system consists of a computerized meter (SuperSting) that controls the measurement geometry and timing, and stores the incoming Resistivity and Induced Polarization data. This meter is connected to passive geophysical cables equipped with 168 electrode take outs, which are in-turn connected to 168 electrodes embedded up to 50cm into the ground at 5m intervals for a total line length of 835m. This tight electrode spacing results in 2.5m horizontal resolution, while the overall line length gives us reliable readings down to a depth of 170m.

2.0 Personnel

A team of 5 people is employed to run the survey:

- 1x Lead Geophysical Operator and Crew Chief
- 1x Secondary Lead and GPS Technician
- 3x Geo Technician

3.0 Field Equipment

- 1 Supersting R8/IP meter
- 2 Switch Boxes
- 2 420m switchbox-meter cables
- 2 2m switchbox-meter cables
- 2 Power packs
- 2 100W Honda Generators
- 400 Electrodes
- 12 Passive 14 electrode Cables
- 2 Ashtech PROMARK 100 DGPS units
- 4 Frame packs
- 5 Garmin GPS units

- 5 iCom hand-held radios
- 4 Hasqvarna 335 chainsaws with maintenance kits
- 1 Field Laptop
- 1 EarthImager Software Dongle
- 1 ATV
- 1 Truck

4.0 Field Operation

- A crew of 5 is utilized to run the survey.
- The midpoint of a traverse is located and the line is sighted-in using a DGPS.
- Crew places electrode at 5m spacing with measuring tape
- Electrodes are hammered to a depth of 50cm (10% of electrode spacing)
- Cables are laid and attached to the electrodes
- Contact resistance test is conducted
- Calcium Chloride (25% solution) is added to all electrodes >2k ohms. CRT reread.
- Extra electrodes added to high CR electrodes. CRT reread.
- With satisfactory Contact Resistance, Survey is Read.
- Operator surveys the traverse using DGPS and marks the traverse with pickets every 50m.
- Crew prepares the next line.

5.0 Data Processing

In addition to real time quality control of all measurements, collected data is downloaded in the field after every array and checked for integrity. This allows any field errors to be identified before moving the equipment. The RES/IP data is processed daily by the lead operator using EarthImager2D software provided by Advanced Geosciences Inc. Resistivity data-misfits are removed and the cleaned data-set is inverted. The same process is done with the IP data. Terrain corrections are applied to the inversions using previously collected DGPS data. The DGPS data is processed using GNSS Solutions software. A .csv is created containing the DGPS traverse points collected. All instrument raw data from the DGPS and SuperSting are archived.

An ESRI shape file is created containing the traverse points collected.

All inverted sections are imported into Geosoft software, and organized in a georeferenced 3D database (ie with xyz coordinate information). This database is gridded into voxels (3D Grid) for both resistivity and IP. A voxel is a 3D equivalent of a 2D

To remove edge effect artifacts created during the gridding process, the voxels are clipped to surface using a DEM generated from the DGPS data collected on site.

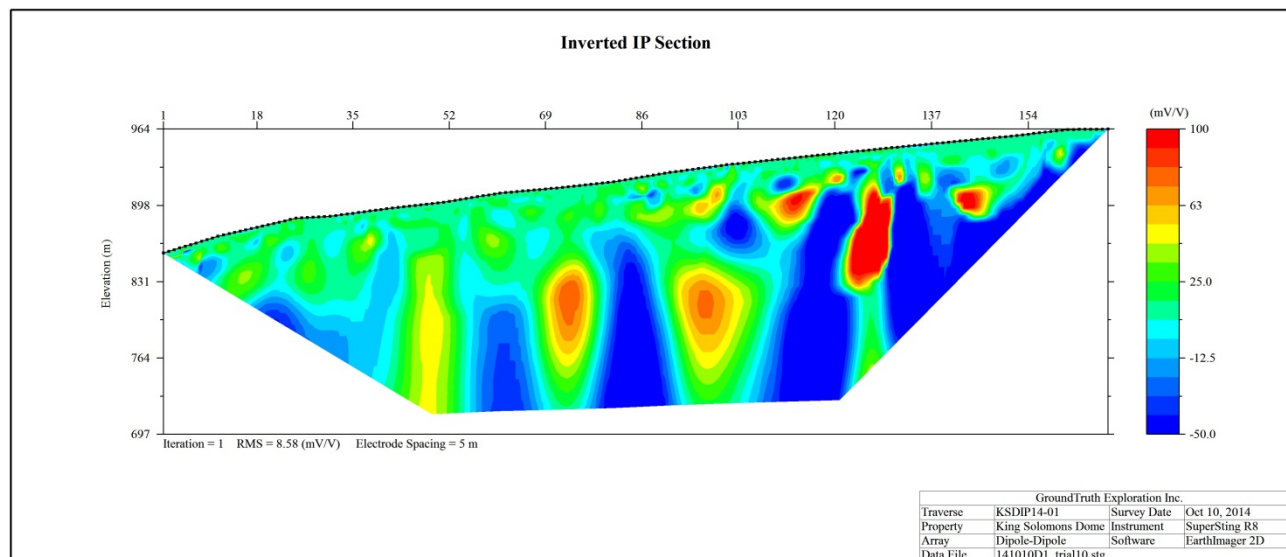
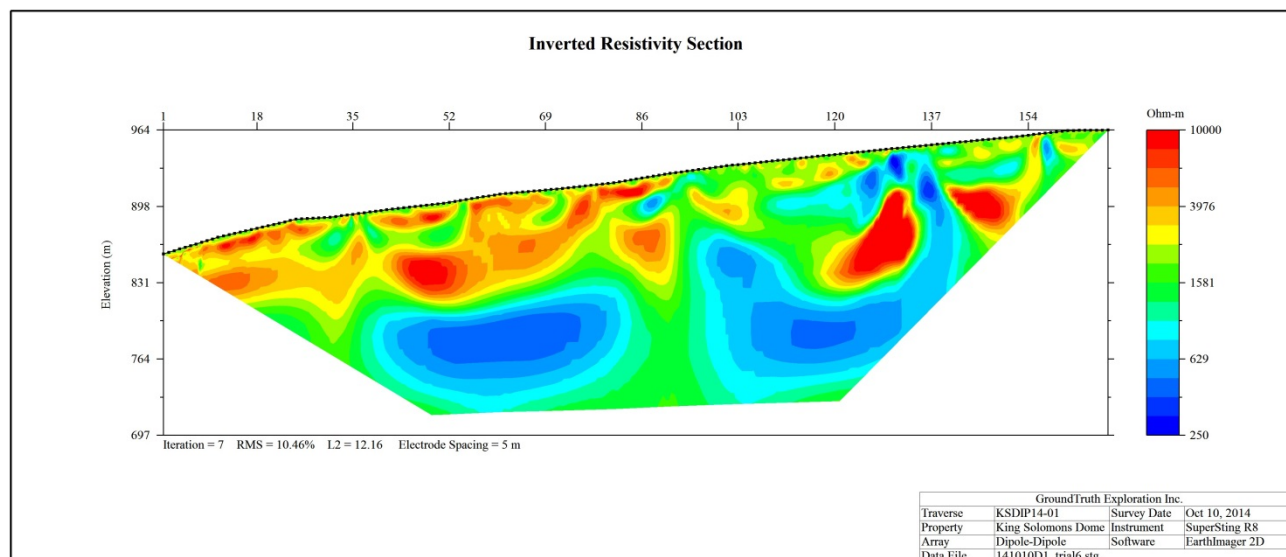
Vertical Section grids (.grd) are then generated from the voxel along each profile read in the field. Horizontal section grids (.grd) are sliced from the voxel at 25m intervals between the elevations of 1450m and 1575m.

When relating sections extracted from geosoft voxels to 2D sections obtained from AGI Earthimager 2D inversion, the following information needs to be considered:

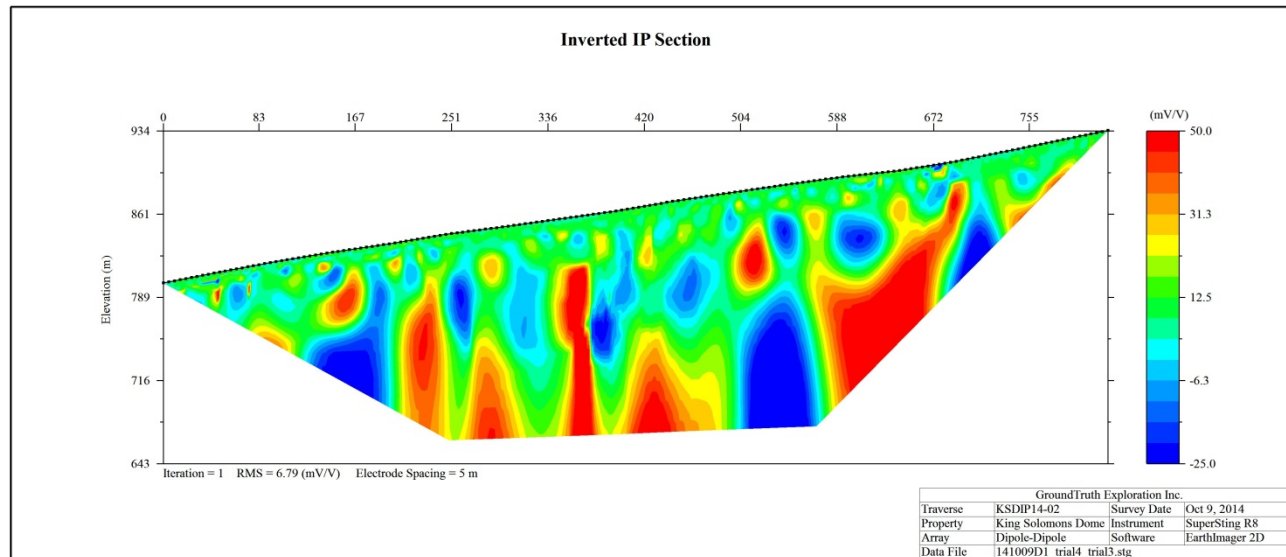
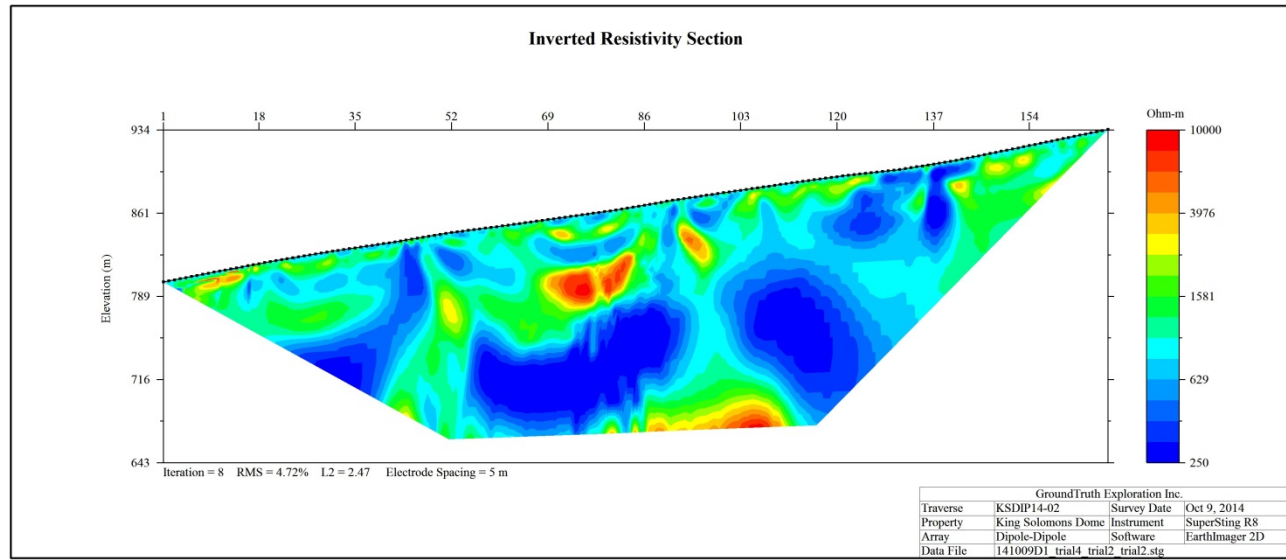
In Earthimager, merged and inverted 2D data for each traverse is individually scaled. This enables maximum contrast and detail within each profile, however care must be taken when comparing sections across different lines, as the colour scales may differ.

Voxels created using Geosoft, as well as the horizontal and vertical grids derived from them, are gridded and displayed using an equalized colour ramp, and the derived sections are therefore comparable for different lines or sections.

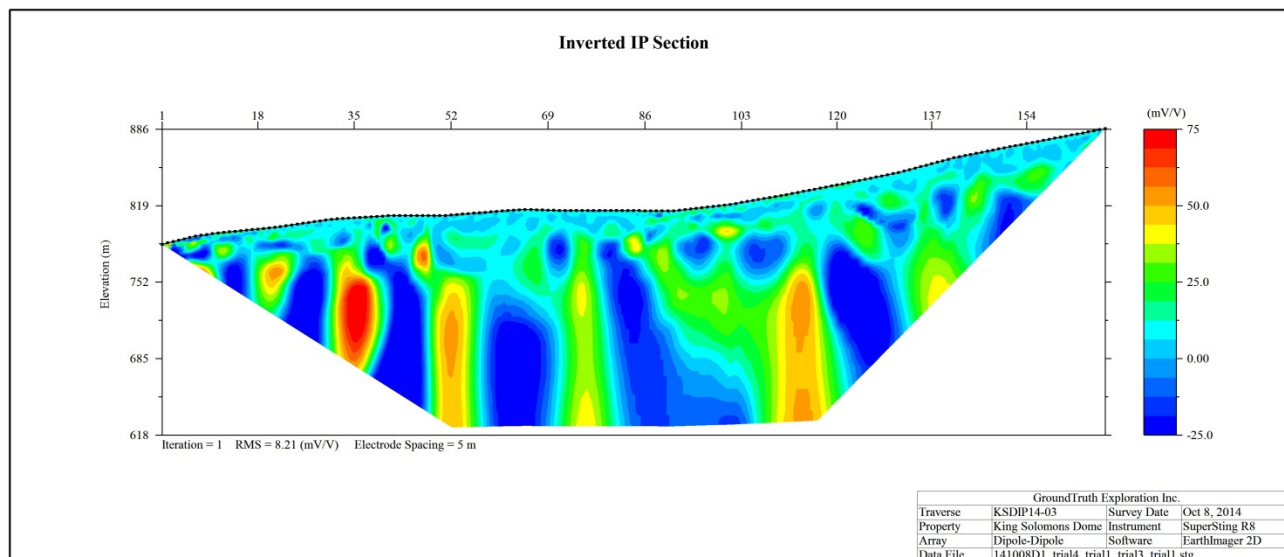
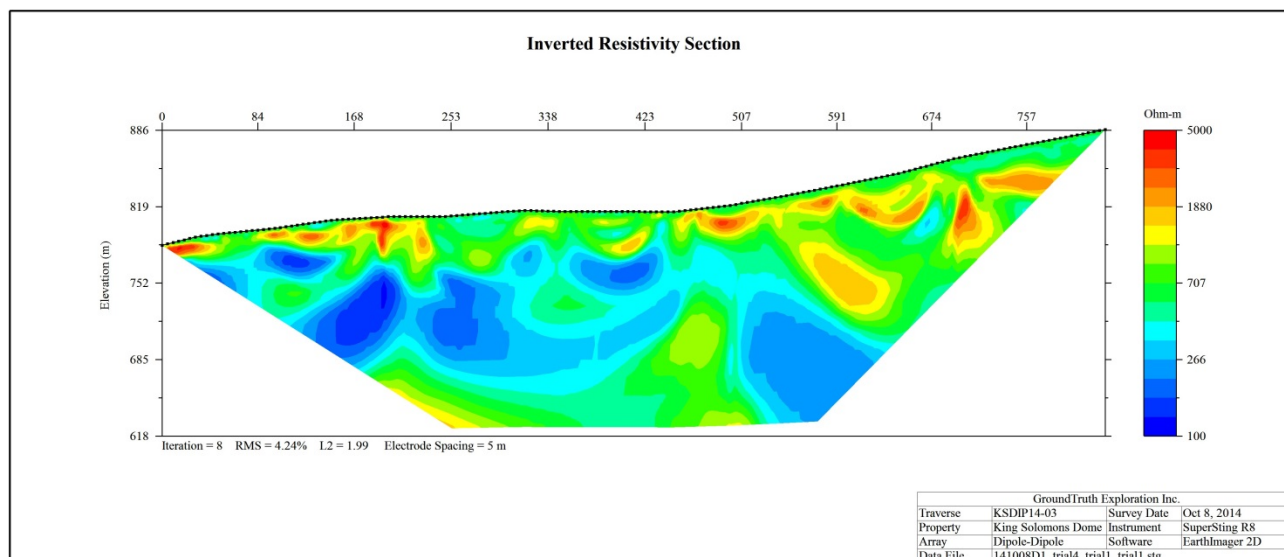
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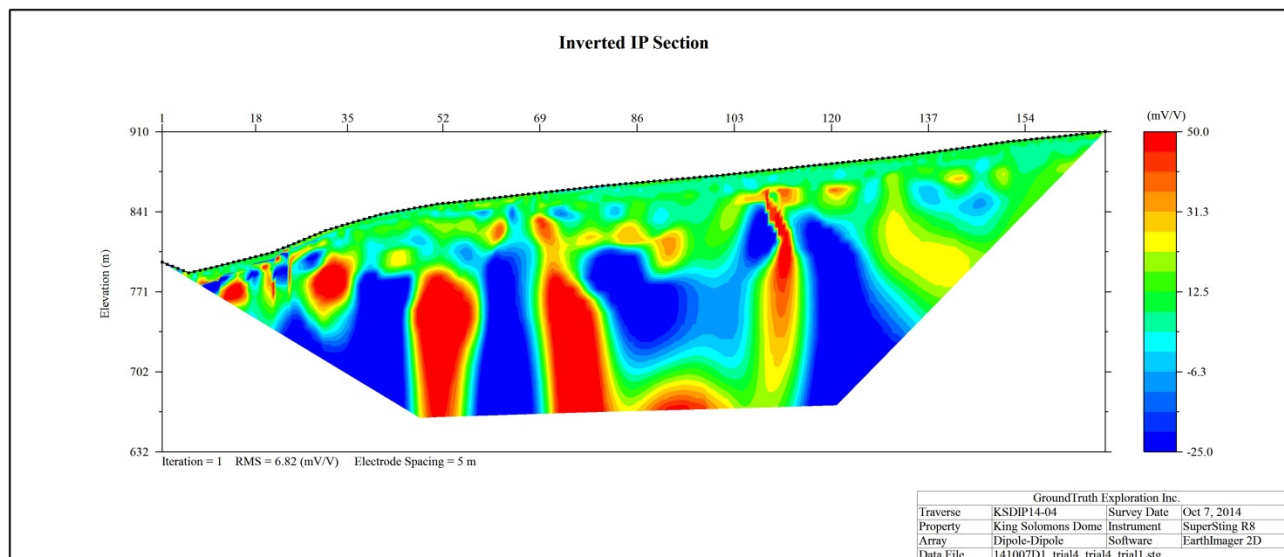
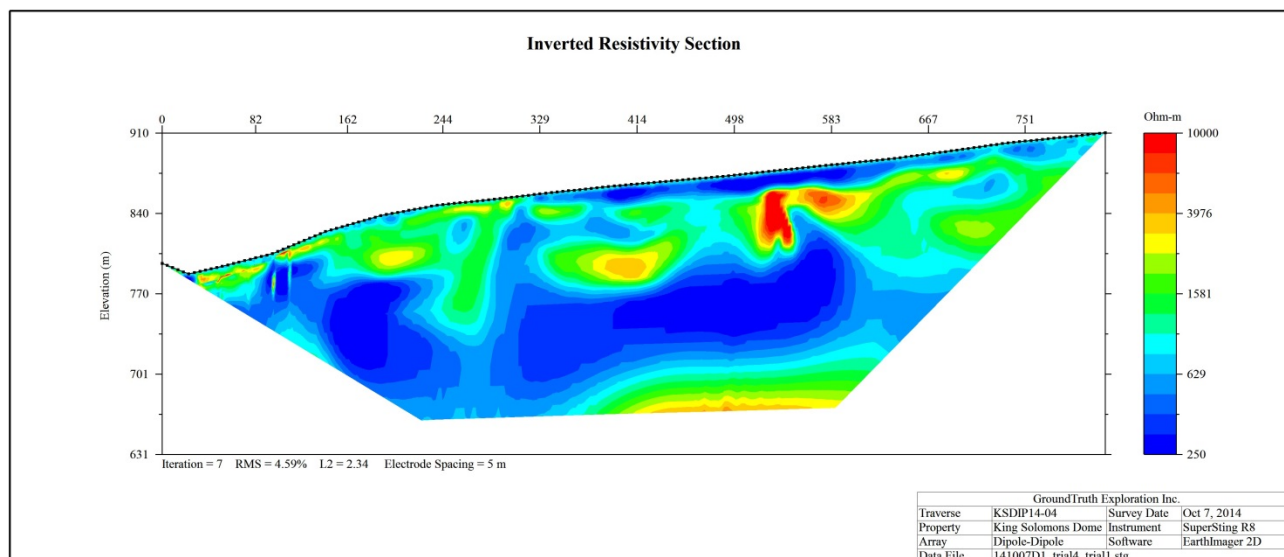
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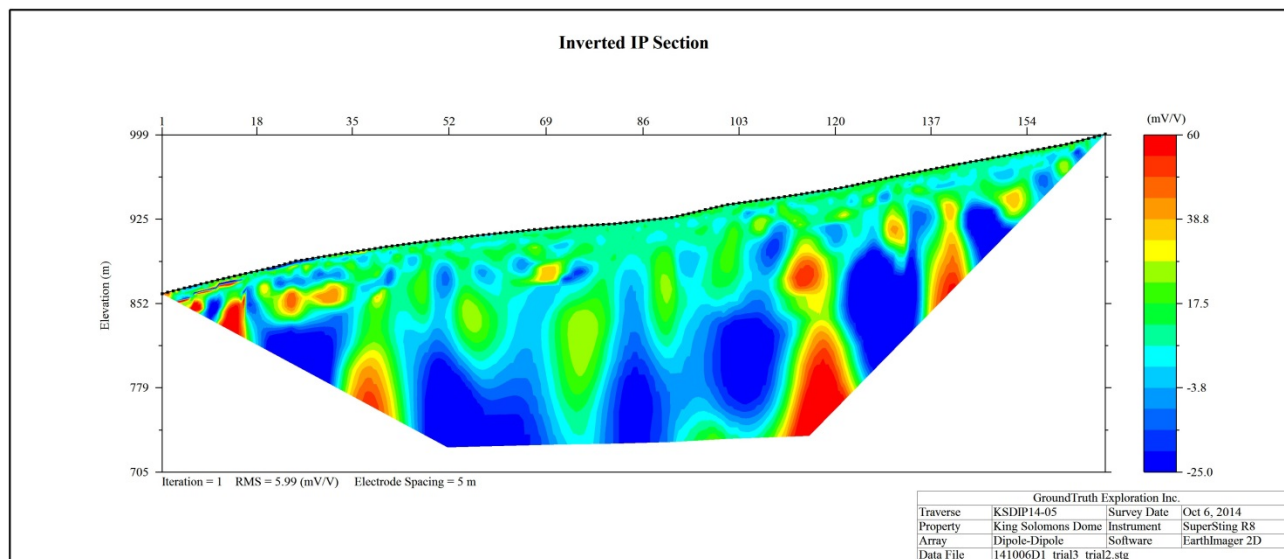
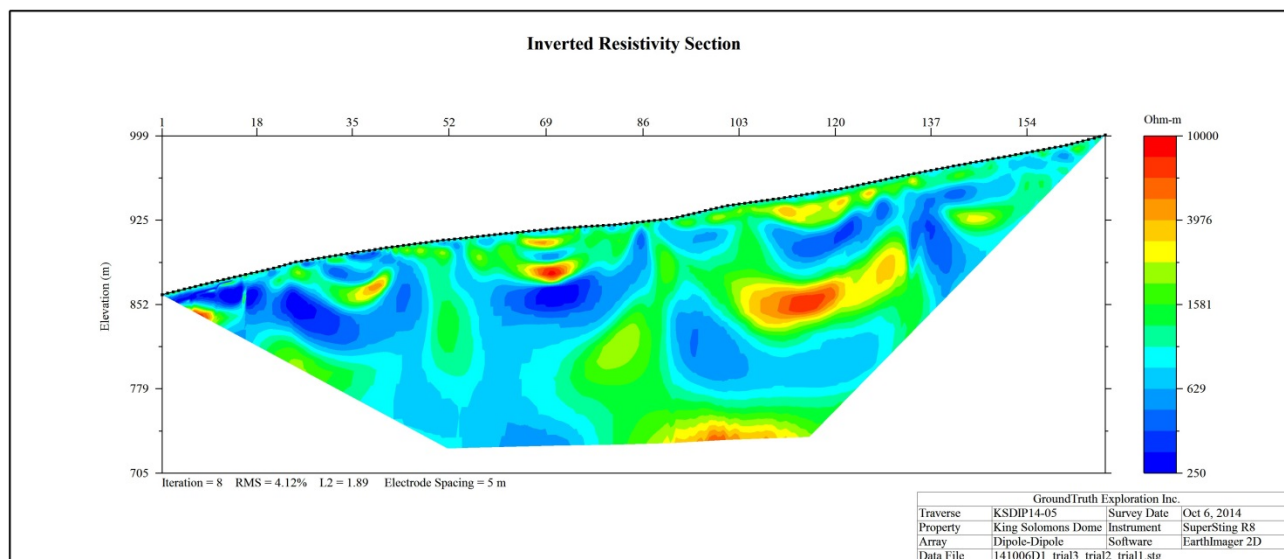
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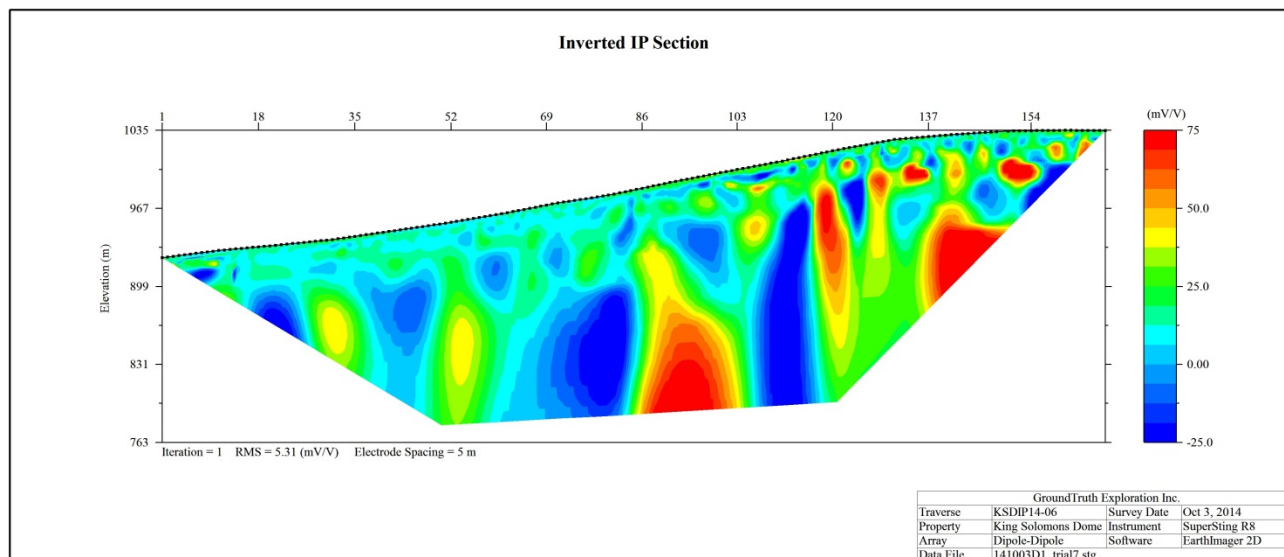
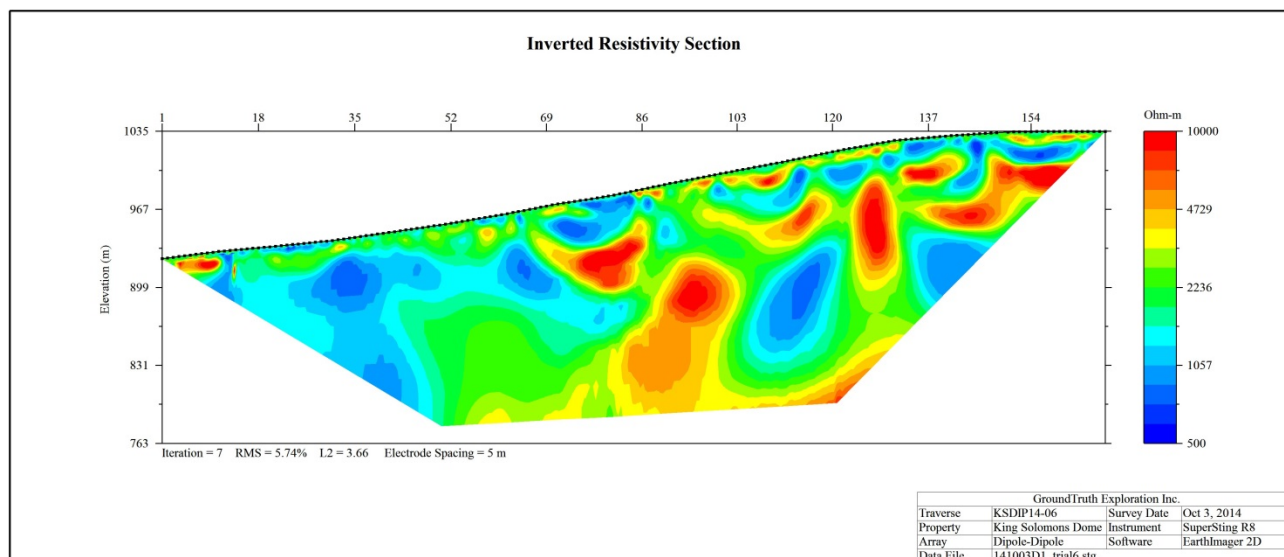
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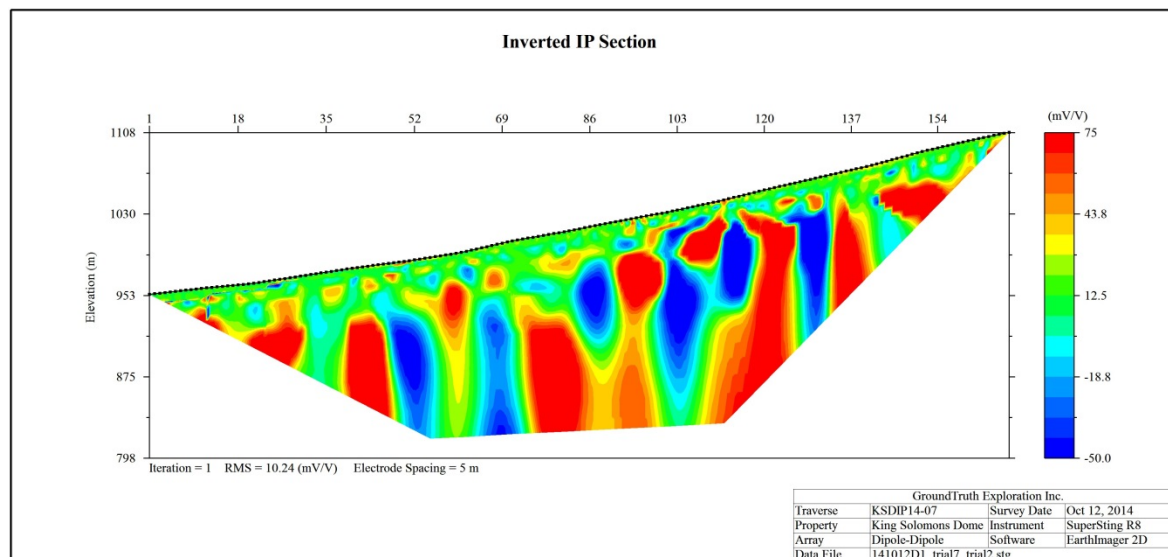
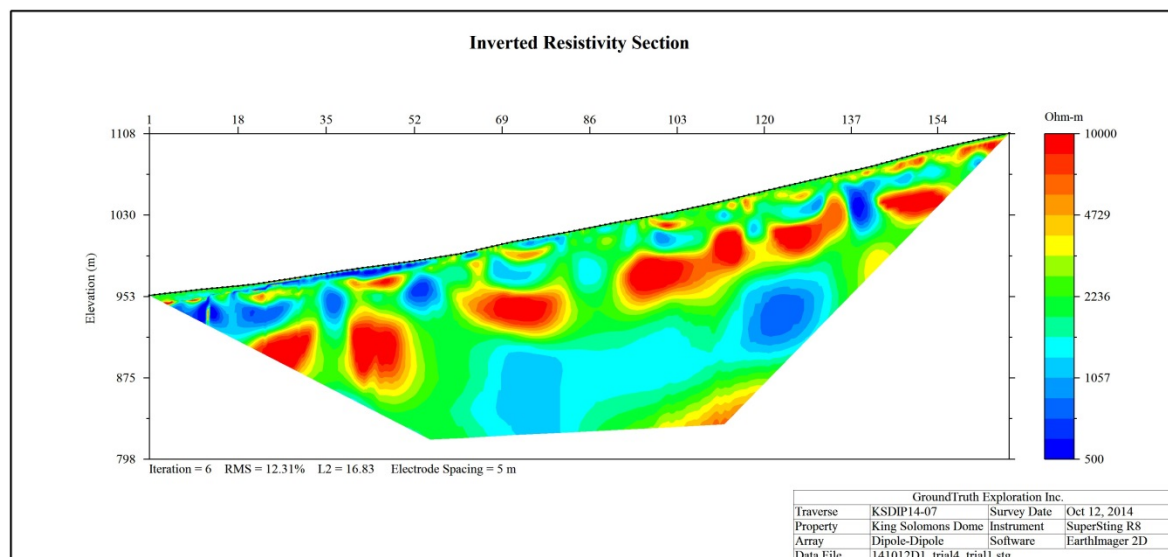
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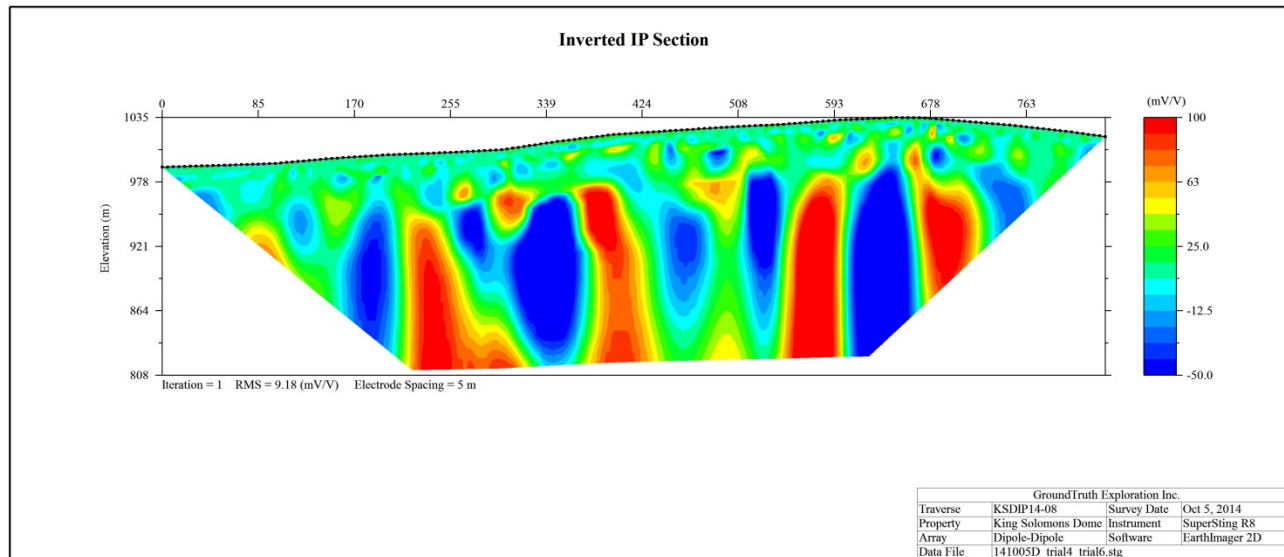
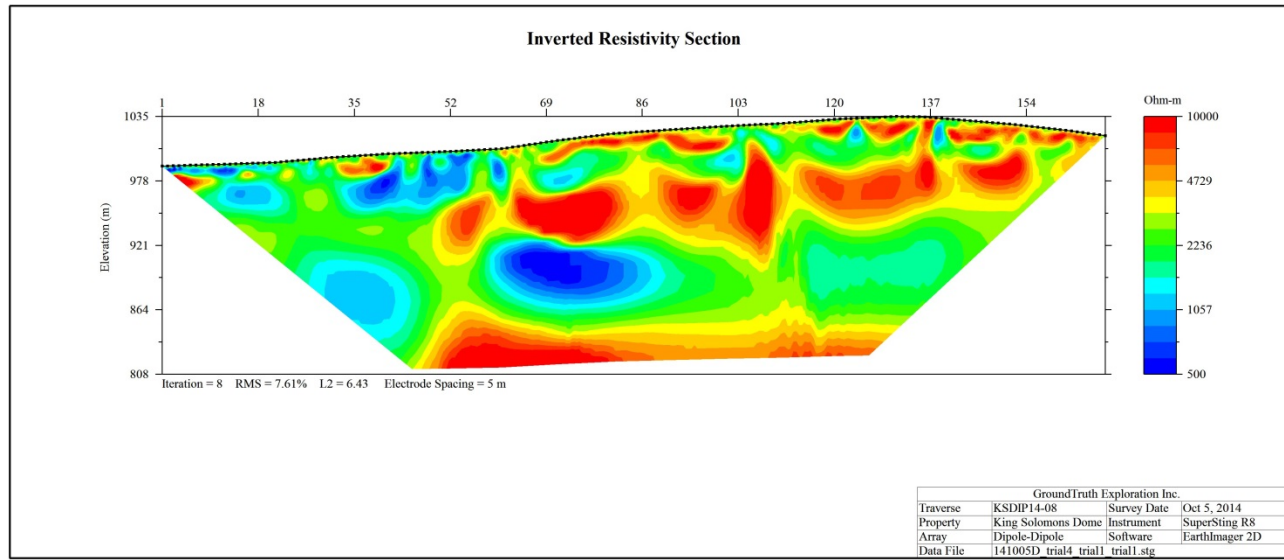
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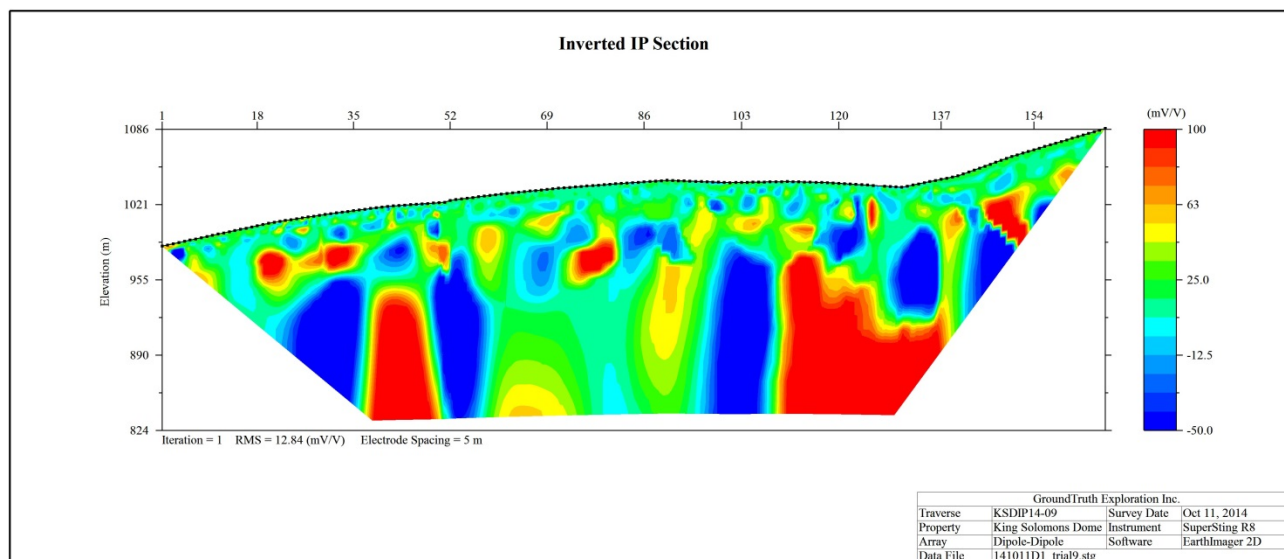
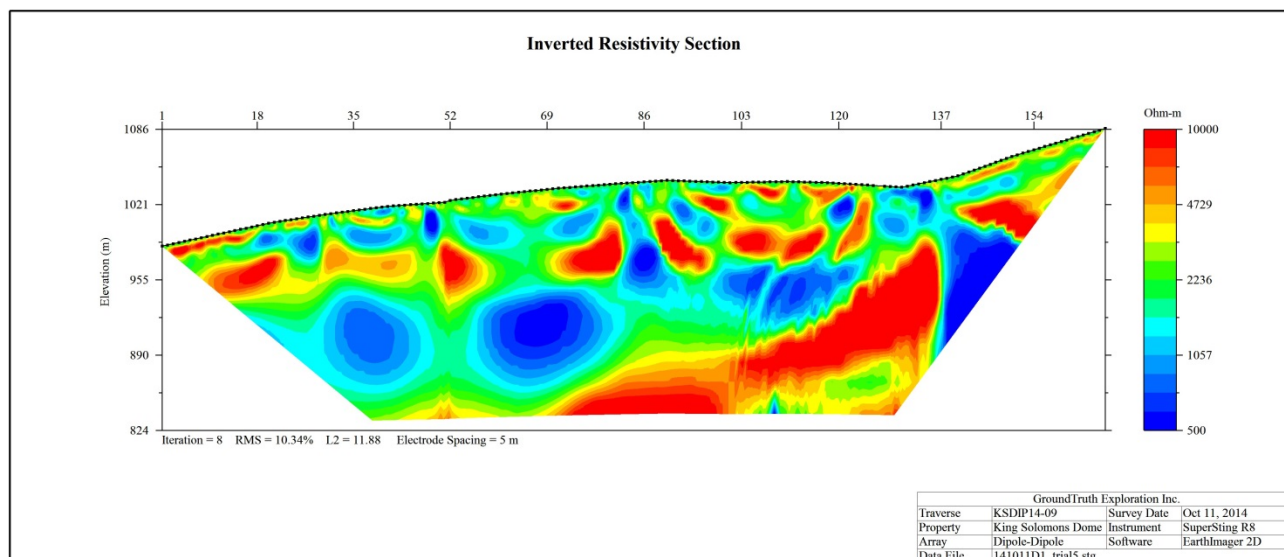
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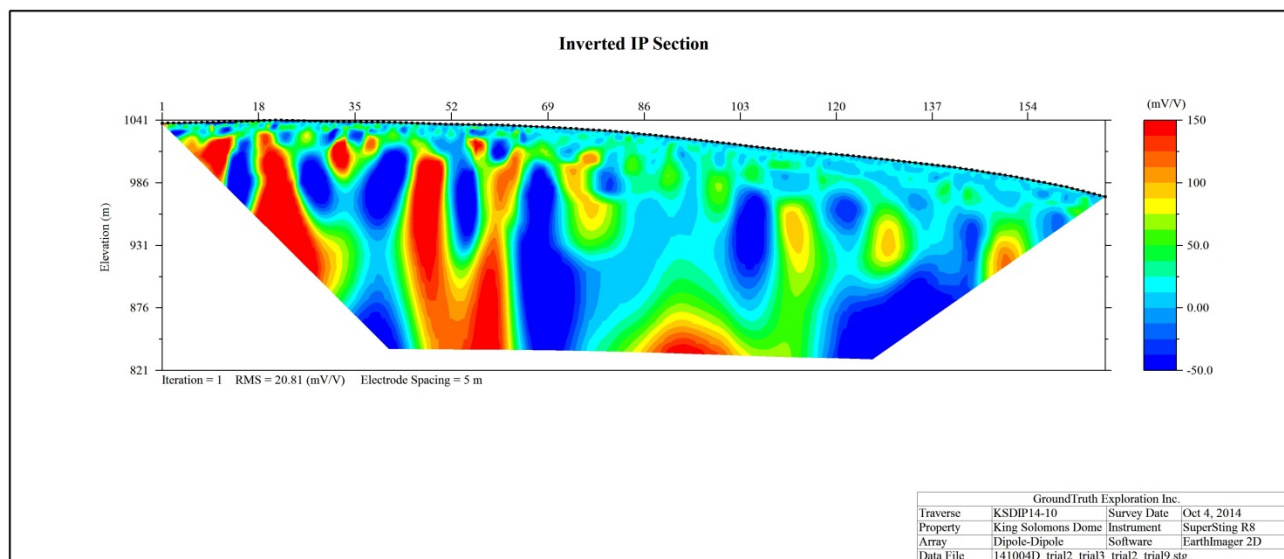
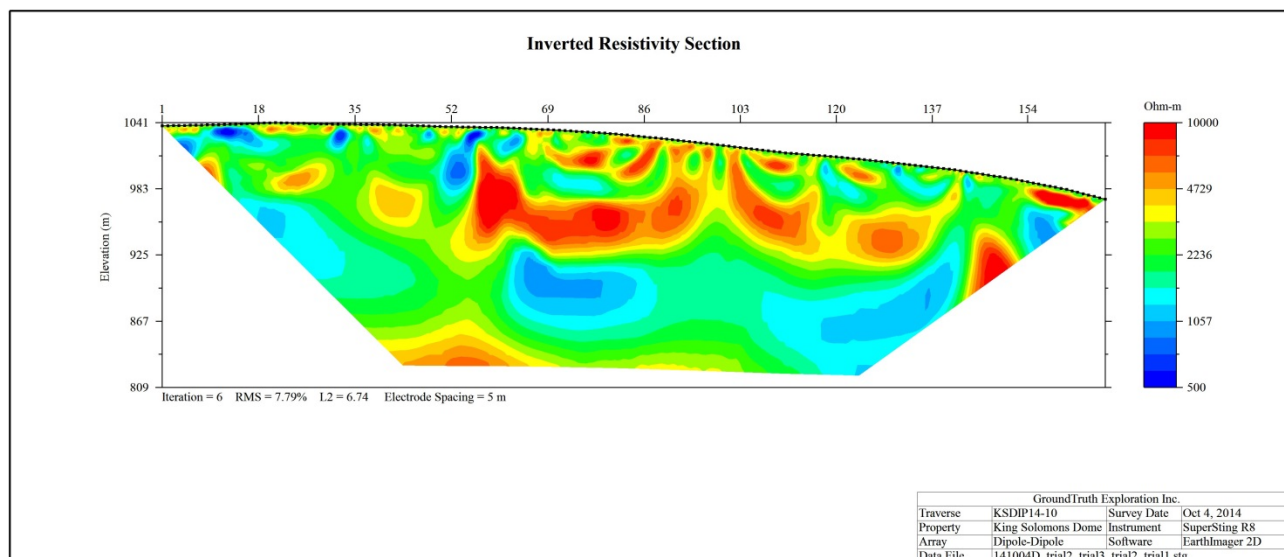
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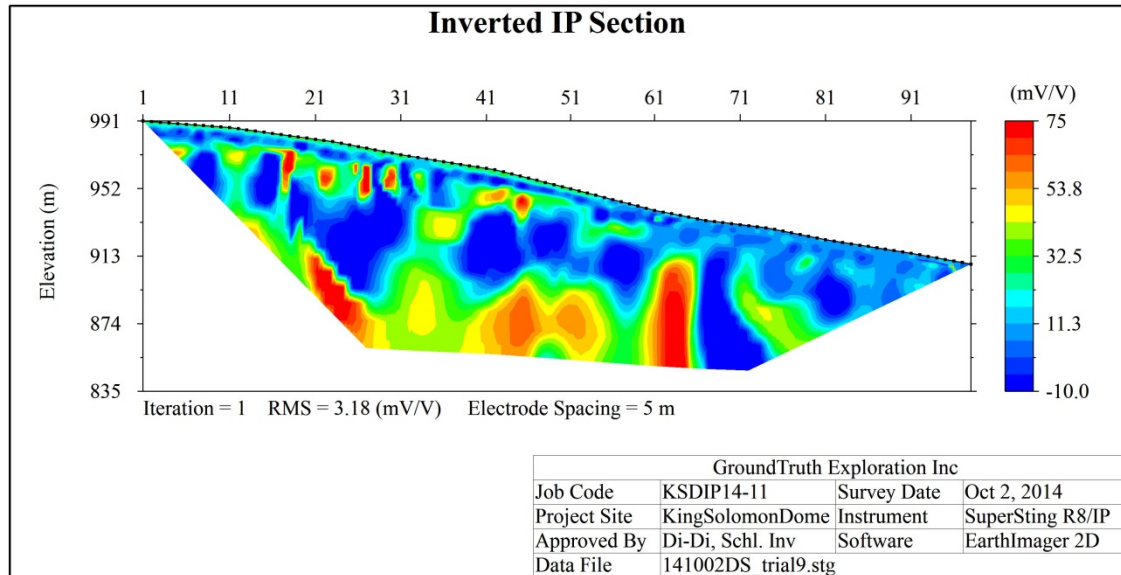
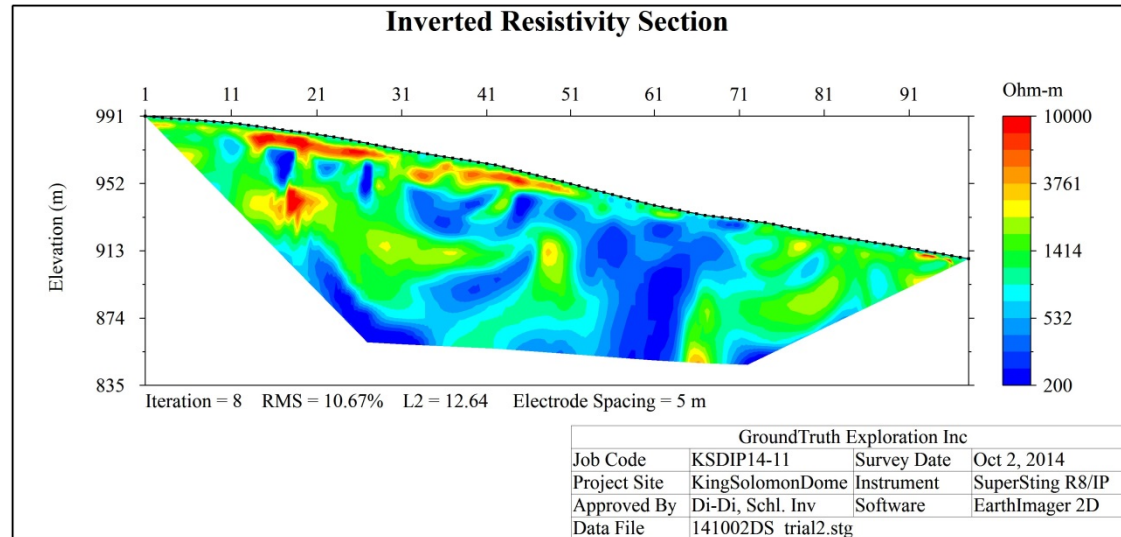
KSDIP14-09



KSDIP14-10

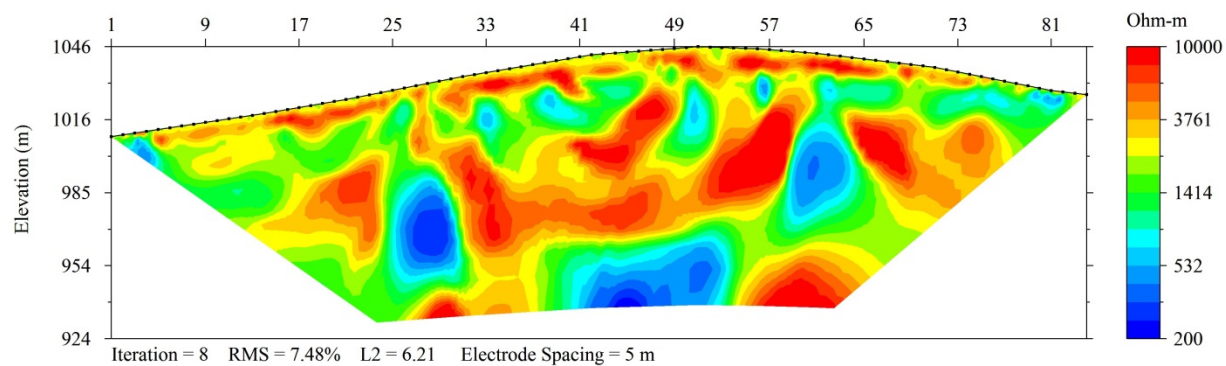


KSDIP14-11

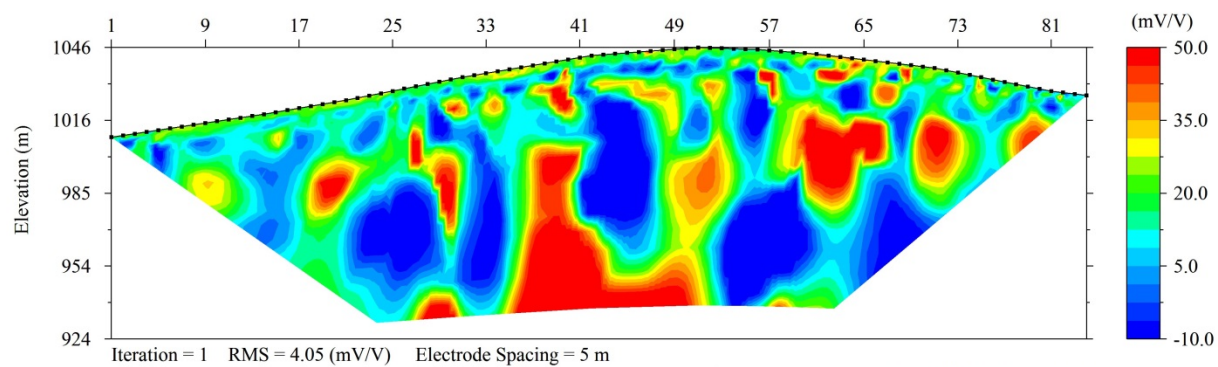


KSDIP14-12

Inverted Resistivity Section



Inverted IP Section



GroundTruth Exploration Inc			
Job Code	KSDIP14-12	Survey Date	Oct 1, 2014
Project Site	KingSolomonDome	Instrument	SuperSting R8/IP
Approved By	Di-Di, Schl. Inv	Software	EarthImager 2D
Data File	141001D1S1-merged	trial6.stg	

Appendix 5 – RAB Drill SOP

RAB Drill

Personnel: The surveys are conducted by the following GroundTruth personnel:

Lead RAB Drill Operator
Geotech / XRF Technician
RAB Drill Assistant / Line Cutter / Surveyor

A. Instruments and Equipment: The crew is equipped with the following instruments and equipment.

RAB Drill Overview

The RAB Drill (Rotary Air Blast) is a remotely controlled tracked platform with an onboard air compressor, tilting mast and rotary drill head. The RAB Drill has 1650 sq. inches of track coverage with less than 1.0 psi ground pressure allowing it to be extremely versatile and low impact in the field. The entire unit is powered by a 60hp Turbo charged Kubota diesel engine and is completely air / hydraulically operated. Each drill hole is cased from surface to bedrock and entire sample is collected. Once the casing is seated into bedrock then an open hole hammer is used to penetrate into bedrock. Rock chip sample size is 1/4 – 3/8” and is analyzed and catalogued into chip trays by our onsite Geotech XRF Technician. Each sample location is surveyed by DGPS. Sample location database and plotted XRF results available to client next day.

Shallow Hole RAB Setup:

Average production is 30m/day sampled at 1.5m intervals using the onboard air compressor.

2 sling loads – RAB
1 sling load – Drill Rods (30m)

Deep Hole RAB Setup:

Average production is 100m/day sampled at 1.5m intervals using stationary 300/200 air compressor with layflat hose giving the RAB a 500m drilling radius around Stationary 300/200 air compressor without use of helicopter.

2 sling loads – RAB
2 sling loads – Drill Rods (100m)
1 sling load – Layflat Air Hose

RAB Drill Technical Specifications

- Length – 96”
- Width – 50”
- Height – 80”
- Weight – 3400 lbs
- Pull Back Force – 16,200 lbs
- Onboard Air Compressor – 150cfm @ 175psi
- Working Angle – 45 to 90 degree
- Less than 1.0 psi ground pressure
- 60hp Turbo Charged Kubota
- Hydrostatic Drive
- Wireless Remote Driving Capability
- 2 sling loads with Astar Helicopter

Stationary 300/200 Air Compressor

- Length – 72”
- Width – 32”
- Height – 60”
- Weight – 1750 lbs
- 1 sling load with Astar Helicopter

Tooling

- Diameter of bit – 90mm
- Drill rod length – 1.5m
- 50m capacity in rod basket
- 1 sling load with Astar Helicopter

XRF – Innovex X-5000 bench top XRF (for use at GT Headquarters)

Survey GPS – Ashtech PROMARK 100 GPS

Data Processing – Laptop computer with proprietary ‘Truthware’ software for synchronous download of GPS / XRF data.

Satellite Internet – Portable Satellite Internet for nightly data downloads.

B. RAB Drill Standard Operating Procedure:

Overview

This document outlines the standard operating procedures used to collect rock chips and soil samples which have been extracted by the RAB. This describes the methodology behind the RAB Drill Survey based on Yukon Projects conducted during the 2014 field season.

RAB Drill Sampling:

1. Planned drill collar location is brushed out and RAB Drill is setup.
2. Sampling Technician sets up sampling station at drill.
3. Once RAB Drill is in position and setup, the operator drills casing into ground in 1.5m lengths.
4. Sample Bucket (5 gallon) is filled from cyclone, 4 - 7 minutes average frequency.
5. Sample is poured into 8:1 splitter
6. Retention Sample is put into a 5 gallon bucket from splitter and a portion is bagged in 12x20 ore bag, Sample ID, Hole ID and Interval written on Sample ID with marker and sealed with zip tie with external Sample ID attached, 5lbs weight. Excess retention is then discarded.
7. Analytical Sample is bagged in 12x20 ore bag , Sample ID Barcode inserted into bag and sealed with zip tie with external barcode Sample ID attached, 5lbs weight
8. Buckets and Splitter cleaned with pressurized air.
9. Chip Tray chips are collected from Retention bucket using a small plastic container.
10. Chips are then poured into ‘dry’ wire sieve to discard fine portion, the coarse material in dry strainer is poured into a second ‘wet’ sieve and washed in a 5 gallon bucket of water.
11. Once chips have been washed with ‘wet’ sieve, a smaller portion is catalogued in a chip tray with Sample ID and Interval marked.
12. Soil is collected from retention and put into a 40gram bag with sample ID written on bag for XRF analysis back at HQ using Bench-Top XRF in 3 beam (20sec-20sec-20sec) mode directly through sample bag.
13. Analytical Sample Barcode ID is entered into laptop with interval/descriptive info logged.
14. Analytical sample is placed into rice bag with client, Project code, Bag Series and number of samples written in marker on bag, 10 samples per bag then rice bag is sealed with zip tie and then security zip tie and ready for shipment.
15. Receive next sample.

RAB Drill Sampling Shift Schedule (12 hours):

1. Receive and set up sampling tent near new site while drill is being setup.
2. Collect Samples and log while drill is operating.
3. At end of shift all analytical samples are placed into rice bag with client, Project code, Bag Series and number of samples written in marker on bag, 10 samples per bag then rice bag is sealed with security zip tie and ready for shipment.
4. All retention samples are put into rice bags with client, Project code, Bag Series and number of samples written in marker on bag, 10 samples per bag then rice bag is sealed with zip tie and brought back to HQ for storage

RAB Drill Sampling Gear and Sampling Supplies Required at Site:

(not including actual RAB drilling gear).

1. Laptop for data download and logging .
2. 8x10 Wall Tent with poles, tie-down ropes/rebar stakes, Table, 2 chairs and kerosene heater.
3. Kerosene (20l) and Generator gas (20l), Generator spark plug/wrench and 1l 5w30 oil., 20l water.
4. 5 gallon buckets (4 for sample from cyclone, 1 for receiving retention from splitter, 1 filled with water to wash logging samples)
5. 2 metal wire sieves w/handles.
6. Rubber mallet to dislodge material in splitter
7. PPE: Hard Hats, Ear Protection, Eye protection, Masks

Sampling Supplies:

1. 12"x20" Ore bags: Retention Sample (65 required for 12h, 100m of drilling)
2. 12"x20" Ore bags: Analytical Sample (65 required for 12h, 100m drilling + QAQC samples)
3. Barcode Sample ID Tags (65 required for 12h)
4. Standard Zip Ties , 5": Retention + Analytical Samples (130 required for 12h, 100m drilling)
5. Rice Bag (6 for retention, 6 for analytical required for 12h, 100m of drilling)
6. Security Zip Ties for Rice Bag (6 required for 12h, 100m of drilling)
7. Chip trays (3 – 20 slot chip trays required for 12h, 100m drilling)

Appendix 6 – RAB Drill Logs and Assay Certificates

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368285	KSDRAB14-01	0	5	0	1.524	Y	D	10	strong	chloritic schist	py	chlorite, qtz, musco?, fe ox	brown
1368286	KSDRAB14-01	5	10	1.524	3.048	Y	D	20	strong	chloritic schist	py	qtz, chlorite, fe ox	brown
1368287	KSDRAB14-01	10	15	3.048	4.572	Y	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368288	KSDRAB14-01	15	20	4.572	6.096	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368289	KSDRAB14-01	20	25	6.096	7.62	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368290	KSDRAB14-01	25	30	7.62	9.144	N	D	20	strong	chloritic schist	py	chlorite, qtz, musco?, fe ox	brown
1368291	KSDRAB14-01	30	35	9.144	10.668	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368292	KSDRAB14-01	35	40	10.668	12.192	N	D	20	weak	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368293	KSDRAB14-01	40	45	12.192	13.716	N	D	20	moderate	chloritic schist	py	chlorite, qtz, musco?, fe ox	greenish
1368294	KSDRAB14-01	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368295	KSDRAB14-01	50	55	15.24	16.764	N	D	20	strong	chloritic schist	?	chlorite, qtz, musco?, fe ox	brown
1368296	KSDRAB14-01	55	60	16.764	18.288	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368297	KSDRAB14-01	60	65	18.288	19.812	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368298	KSDRAB14-01	65	70	19.812	21.336	N	D	20	strong	chloritic schist	py	chlorite, qtz, musco?, fe ox	brown
1368299	KSDRAB14-01	70	75	21.336	22.86	N	D	20	strong	chloritic schist	py	chlorite, qtz, musco?, fe ox	light green
1368300	KSDRAB14-01	75	80	22.86	24.384	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368302	KSDRAB14-01	80	85	24.384	25.908	N	D	20	weak	qtz vein	py	qtz, chlorite, fe ox	light green
1368303	KSDRAB14-01	85	90	25.908	27.432	N	D	20	none	chloritic schist	py	chlorite, qtz	light green
1368304	KSDRAB14-01	90	95	27.432	28.956	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368305	KSDRAB14-01	95	100	28.956	30.48	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368306	KSDRAB14-01	100	105	30.48	32.004	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368307	KSDRAB14-01	105	110	32.004	33.528	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368308	KSDRAB14-01	110	115	33.528	35.052	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368309	KSDRAB14-01	115	120	35.052	36.576	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368310	KSDRAB14-01	120	125	36.576	38.1	N	M	20	moderate	chloritic schist	py	qtz, chlorite, fe ox	greenish
1368311	KSDRAB14-01	125	130	38.1	39.624	N	M	20	none	qtz vein	py	chlorite, qtz	light green
1368312	KSDRAB14-01	130	135	39.624	41.148	N	M	20	none	qtz vein	py	chlorite, qtz	light green

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368313	KSDRAB14-01	135	140	41.148	42.672	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368314	KSDRAB14-01	140	145	42.672	44.196	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368315	KSDRAB14-01	145	150	44.196	45.72	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368316	KSDRAB14-01	150	155	45.72	47.244	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368317	KSDRAB14-01	155	160	47.244	48.768	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368318	KSDRAB14-01	160	165	48.768	50.292	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368319	KSDRAB14-01	165	170	50.292	51.816	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368320	KSDRAB14-01	170	175	51.816	53.34	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368322	KSDRAB14-01	175	180	53.34	54.864	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368323	KSDRAB14-01	180	185	54.864	56.388	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368324	KSDRAB14-01	185	190	56.388	57.912	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368326	KSDRAB14-01	190	195	57.912	59.436	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368327	KSDRAB14-01	195	200	59.436	60.96	N	M	20	none	chloritic schist	py	chlorite, qtz	light green
1368328	KSDRAB14-02	0	5	0	1.524	Y	D	10	strong	chloritic schist	py	bt, qtz, chlorite, fe ox	brown
1368329	KSDRAB14-02	5	10	1.524	3.048	Y	D	20	strong	chloritic schist	py	bt, qtz, chlorite, fe ox	brown
1368330	KSDRAB14-02	10	15	3.048	4.572	N	D	20	strong	chloritic schist	py	bt, qtz, chlorite, fe ox	brown
1368331	KSDRAB14-02	15	20	4.572	6.096	N	D	20	strong	chloritic schist	py	bt, qtz, chlorite, fe ox	greenish
1368332	KSDRAB14-02	20	25	6.096	7.62	N	D	20	strong	chloritic schist	py	bt, qtz, chlorite, fe ox	greenish
1368333	KSDRAB14-02	25	30	7.62	9.144	N	D	20	strong	chloritic schist	py	qtz, musco, chlorite, fe ox	orange
1368334	KSDRAB14-02	30	35	9.144	10.668	N	D	20	strong	chloritic schist	py	qtz, musco, chlorite, fe ox	orange
1368335	KSDRAB14-02	35	40	10.668	12.192	N	D	20	strong	chloritic schist	py	chlorite, qtz. Fe ox	greenish
1368336	KSDRAB14-02	40	45	12.192	13.716	N	D	20	strong	chloritic schist	py	chlorite, qtz. Fe ox	greenish
1368337	KSDRAB14-02	45	50	13.716	15.24	N	D	20	strong	qtz vein?	?	qtz, chlorite fe ox	orange
1368338	KSDRAB14-02	50	55	15.24	16.764	N	D	20	strong	qtz vein?	py	qtz, chlorite fe ox	orange
1368339	KSDRAB14-02	55	60	16.764	18.288	N	D	20	strong	qtz vein?	py	qtz, chlorite fe ox	orange
1368340	KSDRAB14-02	60	65	18.288	19.812	N	D	20	strong	chloritic schist	py	chlorite, qtz. Fe ox	greenish
1368342	KSDRAB14-02	65	70	19.812	21.336	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368343	KSDRAB14-02	70	75	21.336	22.86	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368344	KSDRAB14-02	75	80	22.86	24.384	N	D	20	moderate	chloritic schist	py	chlorite, qtz. Fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368345	KSDRAB14-02	80	85	24.384	25.908	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368346	KSDRAB14-02	85	90	25.908	27.432	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368347	KSDRAB14-02	90	95	27.432	28.956	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368348	KSDRAB14-02	95	100	28.956	30.48	N	D	20	moderate	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368349	KSDRAB14-02	100	105	30.48	32.004	N	D	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368350	KSDRAB14-02	105	110	32.004	33.528	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368351	KSDRAB14-02	110	115	33.528	35.052	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368352	KSDRAB14-02	115	120	35.052	36.576	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368353	KSDRAB14-02	120	125	36.576	38.1	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368354	KSDRAB14-02	125	130	38.1	39.624	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368355	KSDRAB14-02	130	135	39.624	41.148	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368356	KSDRAB14-02	135	140	41.148	42.672	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368357	KSDRAB14-02	140	145	42.672	44.196	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368358	KSDRAB14-02	145	150	44.196	45.72	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368359	KSDRAB14-02	150	155	45.72	47.244	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368360	KSDRAB14-02	155	160	47.244	48.768	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368362	KSDRAB14-02	160	165	48.768	50.292	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368363	KSDRAB14-02	165	170	50.292	51.816	N	M	13	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368364	KSDRAB14-02	170	175	51.816	53.34	N	M	10	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368365	KSDRAB14-02	175	180	53.34	54.864	N	M	10	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368366	KSDRAB14-02	180	185	54.864	56.388	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	light grey
1368367	KSDRAB14-02	185	190	56.388	57.912	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368368	KSDRAB14-02	190	195	57.912	59.436	N	M	15	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368369	KSDRAB14-02	195	200	59.436	60.96	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368370	KSDRAB14-02	200	205	60.96	62.484	N	M	20	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1368371	KSDRAB14-02	205	210	62.484	64.008	N	M	8	weak	chloritic schist	py	chlorite, qtz. Fe ox	grey
1394501	KSDRAB14-03	0	5	0	1.524	Y	D	7	mod	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394502	KSDRAB14-03	5	10	1.524	3.048	Y	D	18	mod	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394503	KSDRAB14-03	10	15	3.048	4.572	Y	D	28	mod	chloritic schist	no	chlorite, bt, qtz, fe ox	green

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394504	KSDRAB14-03	15	20	4.572	6.096	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394505	KSDRAB14-03	20	25	6.096	7.62	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394506	KSDRAB14-03	25	30	7.62	9.144	N	D	20	strong	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394507	KSDRAB14-03	30	35	9.144	10.668	N	D	20	strong	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394508	KSDRAB14-03	35	40	10.668	12.192	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394509	KSDRAB14-03	40	45	12.192	13.716	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394510	KSDRAB14-03	45	50	13.716	15.24	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394511	KSDRAB14-03	50	55	15.24	16.764	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394512	KSDRAB14-03	55	60	16.764	18.288	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394513	KSDRAB14-03	60	65	18.288	19.812	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394514	KSDRAB14-03	65	70	19.812	21.336	N	D	20	weak	chloritic schist	no	chlorite, bt, qtz, fe ox	green
1394515	KSDRAB14-03	70	75	21.336	22.86	N	D	20	none	chloritic schist	no	chlorite, bt, qtz, fe ox	grey
1394516	KSDRAB14-03	75	80	22.86	24.384	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394517	KSDRAB14-03	80	85	24.384	25.908	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394518	KSDRAB14-03	85	90	25.908	27.432	N	D	20	strong	qtz vein	py	chlorite, bt, qtz, fe ox	pale green
1394519	KSDRAB14-03	90	95	27.432	28.956	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394520	KSDRAB14-03	95	100	28.956	30.48	N	D	20	mod	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394522	KSDRAB14-03	100	105	30.48	32.004	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394523	KSDRAB14-03	105	110	32.004	33.528	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394524	KSDRAB14-03	110	115	33.528	35.052	N	D	20	mod	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394526	KSDRAB14-03	115	120	35.052	36.576	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394527	KSDRAB14-03	120	125	36.576	38.1	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394528	KSDRAB14-03	125	130	38.1	39.624	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394529	KSDRAB14-03	130	135	39.624	41.148	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394530	KSDRAB14-03	135	140	41.148	42.672	N	D	20	none	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394531	KSDRAB14-03	140	145	42.672	44.196	N	D	20	none	chloritic schist	?	chlorite, bt, qtz	grey
1394532	KSDRAB14-03	145	150	44.196	45.72	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394533	KSDRAB14-03	150	155	45.72	47.244	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	dark grey
1394534	KSDRAB14-03	155	160	47.244	48.768	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	dark grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394535	KSDRAB14-03	160	165	48.768	50.292	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	dark grey
1394536	KSDRAB14-03	165	170	50.292	51.816	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	dark grey
1394537	KSDRAB14-03	170	175	51.816	53.34	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394538	KSDRAB14-03	175	180	53.34	54.864	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394539	KSDRAB14-03	180	185	54.864	56.388	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394540	KSDRAB14-03	185	190	56.388	57.912	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394542	KSDRAB14-03	190	195	57.912	59.436	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394543	KSDRAB14-03	195	200	59.436	60.96	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394544	KSDRAB14-03	200	205	60.96	62.484	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394545	KSDRAB14-03	205	210	62.484	64.008	N	D	20	none	chloritic schist	py	chlorite, bt, qtz	grey
1394546	KSDRAB14-03	210	215	64.008	65.532	N	W	15	none	chloritic schist	py	chlorite, bt, qtz	grey
1394547	KSDRAB14-03	215	220	65.532	67.056	N	W	12	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1394548	KSDRAB14-03	220	225	67.056	68.58	N	W	6	weak	qtz vein?	py	chlorite, bt, qtz, fe ox	light grey
1368376	KSDRAB14-04	0	5	0	1.524	Y	D	20	strong	chloritic schist	py	qtz, chlorite, musco, phlogo, fe ox	brown
1368377	KSDRAB14-04	5	10	1.524	3.048	N	D	20	strong	chloritic schist	py	qtz, chlorite, musco, phlogo, fe ox	dark grey
1368378	KSDRAB14-04	10	15	3.048	4.572	N	D	20	moderate	chloritic schist	py	qtz, chlorite, musco, phlogo, fe ox	dark grey
1368379	KSDRAB14-04	15	20	4.572	6.096	N	D	20	moderate	chloritic schist	py	qtz, chlorite, musco, phlogo, fe ox	dark grey
1368380	KSDRAB14-04	20	25	6.096	7.62	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368382	KSDRAB14-04	25	30	7.62	9.144	N	D	20	moderate	qtz vein?	py	qtz, chlorite, fe ox	dark grey
1368383	KSDRAB14-04	30	35	9.144	10.668	N	D	20	strong	qtz vein	py	qtz, chlorite, fe ox	orange
1368384	KSDRAB14-04	35	40	10.668	12.192	N	D	20	strong	qtz vein	py	qtz, chlorite, fe ox	orange
1368385	KSDRAB14-04	40	45	12.192	13.716	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368386	KSDRAB14-04	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368387	KSDRAB14-04	50	55	15.24	16.764	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368388	KSDRAB14-04	55	60	16.764	18.288	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368389	KSDRAB14-04	60	65	18.288	19.812	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368390	KSDRAB14-04	65	70	19.812	21.336	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368391	KSDRAB14-04	70	75	21.336	22.86	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368392	KSDRAB14-04	75	80	22.86	24.384	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368393	KSDRAB14-04	80	85	24.384	25.908	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368394	KSDRAB14-04	85	90	25.908	27.432	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368395	KSDRAB14-04	90	95	27.432	28.956	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1368396	KSDRAB14-04	95	100	28.956	30.48	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368397	KSDRAB14-04	100	105	30.48	32.004	N	D	20	weak	qtz vein	py	qtz, chlorite, fe ox	white
1368398	KSDRAB14-04	105	110	32.004	33.528	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368399	KSDRAB14-04	110	115	33.528	35.052	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368400	KSDRAB14-04	115	120	35.052	36.576	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368402	KSDRAB14-04	120	125	36.576	38.1	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368403	KSDRAB14-04	125	130	38.1	39.624	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368404	KSDRAB14-04	130	135	39.624	41.148	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368405	KSDRAB14-04	135	140	41.148	42.672	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368406	KSDRAB14-04	140	145	42.672	44.196	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368407	KSDRAB14-04	145	150	44.196	45.72	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368408	KSDRAB14-04	150	155	45.72	47.244	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368409	KSDRAB14-04	155	160	47.244	48.768	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368410	KSDRAB14-04	160	165	48.768	50.292	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368411	KSDRAB14-04	165	170	50.292	51.816	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368412	KSDRAB14-04	170	175	51.816	53.34	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368413	KSDRAB14-04	175	180	53.34	54.864	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	dark grey
1368414	KSDRAB14-04	180	185	54.864	56.388	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368415	KSDRAB14-04	185	190	56.388	57.912	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368416	KSDRAB14-04	190	195	57.912	59.436	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368417	KSDRAB14-04	195	200	59.436	60.96	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368418	KSDRAB14-04	200	205	60.96	62.484	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368419	KSDRAB14-04	205	210	62.484	64.008	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368420	KSDRAB14-04	210	215	64.008	65.532	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368421	KSDRAB14-04	215	220	65.532	67.056	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	light grey
1368422	KSDRAB14-04	220	225	67.056	68.58	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368423	KSDRAB14-04	225	230	68.58	70.104	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1368424	KSDRAB14-04	230	235	70.104	71.628	N	D	20	none	chloritic schist	py	bt, chlorite, qtz	grey
1352951	KSDRAB14-05	0	5	0	1.524	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	rusty grey
1352952	KSDRAB14-05	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	rusty grey
1352953	KSDRAB14-05	10	15	3.048	4.572	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	rusty grey
1352954	KSDRAB14-05	15	20	4.572	6.096	Y	D	20	moderate	chloritic schist	py	muscovite, bt, chlorite, qtz, fe ox	rusty grey
1352955	KSDRAB14-05	20	25	6.096	7.62	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352956	KSDRAB14-05	25	30	7.62	9.144	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352957	KSDRAB14-05	30	35	9.144	10.668	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352958	KSDRAB14-05	35	40	10.668	12.192	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352959	KSDRAB14-05	40	45	12.192	13.716	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352960	KSDRAB14-05	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352962	KSDRAB14-05	50	55	15.24	16.764	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352963	KSDRAB14-05	55	60	16.764	18.288	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352964	KSDRAB14-05	60	65	18.288	19.812	N	D	20	weak	chloritic schist	py	sericite, bt, chlorite, qtz, fe ox	dark grey
1352965	KSDRAB14-05	65	70	19.812	21.336	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352966	KSDRAB14-05	70	75	21.336	22.86	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352967	KSDRAB14-05	75	80	22.86	24.384	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352968	KSDRAB14-05	80	85	24.384	25.908	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	dark grey
1352969	KSDRAB14-05	85	90	25.908	27.432	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	dark grey
1352970	KSDRAB14-05	90	95	27.432	28.956	N	D	20	strong	chloritic schist	py	bt, chlorite, qtz, fe ox	light rusty grey
1352971	KSDRAB14-05	95	100	28.956	30.48	N	D	20	strong	chloritic schist	py	bt, chlorite, qtz, fe ox	dark rusty grey
1352972	KSDRAB14-05	100	105	30.48	32.004	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352973	KSDRAB14-05	105	110	32.004	33.528	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352974	KSDRAB14-05	110	115	33.528	35.052	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352976	KSDRAB14-05	115	120	35.052	36.576	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1352977	KSDRAB14-05	120	125	36.576	38.1	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352978	KSDRAB14-05	125	130	38.1	39.624	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352979	KSDRAB14-05	130	135	39.624	41.148	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352980	KSDRAB14-05	135	140	41.148	42.672	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352982	KSDRAB14-05	140	145	42.672	44.196	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352983	KSDRAB14-05	145	150	44.196	45.72	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352984	KSDRAB14-05	150	155	45.72	47.244	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352985	KSDRAB14-05	155	160	47.244	48.768	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352986	KSDRAB14-05	160	165	48.768	50.292	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352987	KSDRAB14-05	165	170	50.292	51.816	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352988	KSDRAB14-05	170	175	51.816	53.34	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352989	KSDRAB14-05	175	180	53.34	54.864	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352990	KSDRAB14-05	180	185	54.864	56.388	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352991	KSDRAB14-05	185	190	56.388	57.912	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352992	KSDRAB14-05	190	195	57.912	59.436	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1352993	KSDRAB14-05	195	200	59.436	60.96	N	D	20	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1345426	KSDRAB14-06	0	5	0	1.524	Y	D	9	strong	chloritic schist	py	bt, chlorite, qtz, fe ox	dark brown
1345427	KSDRAB14-06	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	green
1345428	KSDRAB14-06	10	15	3.048	4.572	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	green
1345429	KSDRAB14-06	15	20	4.572	6.096	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	green
1345430	KSDRAB14-06	20	25	6.096	7.62	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	green
1345431	KSDRAB14-06	25	30	7.62	9.144	Y	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	green
1345432	KSDRAB14-06	30	35	9.144	10.668	Y	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	green
1345433	KSDRAB14-06	35	40	10.668	12.192	Y	M	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	green
1345434	KSDRAB14-06	40	45	12.192	13.716	Y	M	20	strong	chloritic schist	py	bt, chlorite, qtz, fe ox	brown
1345435	KSDRAB14-06	45	50	13.716	15.24	Y	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368436	KSDRAB14-06	50	55	15.24	16.764	Y	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368437	KSDRAB14-06	55	60	16.764	18.288	N	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	green
1368438	KSDRAB14-06	60	65	18.288	19.812	N	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	green

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368439	KSDRAB14-06	65	70	19.812	21.336	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368440	KSDRAB14-06	70	75	21.336	22.86	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368442	KSDRAB14-06	75	80	22.86	24.384	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368443	KSDRAB14-06	80	85	24.384	25.908	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368444	KSDRAB14-06	85	90	25.908	27.432	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368445	KSDRAB14-06	90	95	27.432	28.956	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368446	KSDRAB14-06	95	100	28.956	30.48	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368447	KSDRAB14-06	100	105	30.48	32.004	N	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368448	KSDRAB14-06	105	110	32.004	33.528	N	D	20	moderate	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368449	KSDRAB14-06	110	115	33.528	35.052	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368450	KSDRAB14-06	115	120	35.052	36.576	N	D	20	moderate	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368451	KSDRAB14-06	120	125	36.576	38.1	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368452	KSDRAB14-06	125	130	38.1	39.624	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368453	KSDRAB14-06	130	135	39.624	41.148	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368454	KSDRAB14-06	135	140	41.148	42.672	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368455	KSDRAB14-06	140	145	42.672	44.196	N	D	20	moderate	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368456	KSDRAB14-06	145	150	44.196	45.72	N	D	20	strong	chloritic schist	py	chlorite, sericite, bt, qtz, fe ox	brown
1368457	KSDRAB14-06	150	155	45.72	47.244	N	D	20	weak	chloritic schist	py	bt, qtz. Fe ox	light grey
1368458	KSDRAB14-06	155	160	47.244	48.768	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368459	KSDRAB14-06	160	165	48.768	50.292	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	grey
1368460	KSDRAB14-06	165	170	50.292	51.816	N	D	20	moderate	chloritic schist	py	qtz, chlorite, bt, fe ox	light grey
1368462	KSDRAB14-06	170	175	51.816	53.34	N	D	20	moderate	chloritic schist	py	qtz, chlorite, bt, fe ox	light grey
1368463	KSDRAB14-06	175	180	53.34	54.864	N	D	20	weak	chloritic schist	py	qtz, chlorite, bt, fe ox	light grey
1368464	KSDRAB14-06	180	185	54.864	56.388	N	D	20	weak	chloritic schist	py	bt, muscovite, qtz, fe ox	light grey
1368465	KSDRAB14-06	185	190	56.388	57.912	N	D	20	weak	chloritic schist	py	bt, muscovite, qtz, fe ox	light grey
1368466	KSDRAB14-06	190	195	57.912	59.436	N	D	20	moderate	chloritic schist	py	bt, muscovite, qtz, fe ox	light grey
1368467	KSDRAB14-06	195	200	59.436	60.96	N	D	20	strong	chloritic schist	py	bt, muscovite, qtz, fe ox	light brown
1352876	KSDRAB14-07	0	5	0	1.524	Y	D	12	moderate	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	brownish
1352877	KSDRAB14-07	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	brownish

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1352878	KSDRAB14-07	10	15	3.048	4.572	Y	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	pale green
1352879	KSDRAB14-07	15	20	4.572	6.096	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	pale green
1352880	KSDRAB14-07	20	25	6.096	7.62	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	pale green
1352882	KSDRAB14-07	25	30	7.62	9.144	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	pale green
1352883	KSDRAB14-07	30	35	9.144	10.668	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	green
1352884	KSDRAB14-07	35	40	10.668	12.192	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	green
1352885	KSDRAB14-07	40	45	12.192	13.716	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	grey
1352886	KSDRAB14-07	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	chlorite, qtz, bt, fe ox, micas	light grey
1352887	KSDRAB14-07	50	55	15.24	16.764	N	D	20	none	bt schist	py	bt, qtz	dark grey
1352888	KSDRAB14-07	55	60	16.764	18.288	N	D	20	none	graphitic schist	py	graphite, qtz, py	black
1352889	KSDRAB14-07	60	65	18.288	19.812	N	D	20	none	graphitic schist	py	graphite, qtz, py	black
1352890	KSDRAB14-07	65	70	19.812	21.336	N	D	20	none	graphitic schist	py	graphite, qtz, py	black
1352891	KSDRAB14-07	70	75	21.336	22.86	N	D	20	none	graphitic schist	py	graphite, qtz, py	black
1352892	KSDRAB14-07	75	80	22.86	24.384	N	D	20	none	graphitic schist	py	graphite, chlorite, qtz,	grey
1352893	KSDRAB14-07	80	85	24.384	25.908	N	D	20	none	graphitic schist	py	graphite, chlorite, qtz,	grey
1352894	KSDRAB14-07	85	90	25.908	27.432	N	D	20	none	chloritic schist	py	graphite, chlorite, qtz,	pale green
1352895	KSDRAB14-07	90	95	27.432	28.956	N	M	20	weak	chloritic schist	py	chlorite, qtz, graphite, fe ox	grey
1352896	KSDRAB14-07	95	100	28.956	30.48	N	W	20	weak	chloritic schist	py	chlorite, qtz, graphite, fe ox	grey
1352897	KSDRAB14-07	100	105	30.48	32.004	N	W	10	none	chloritic schist	py	chlorite, qtz, graphite, fe ox	grey
1352898	KSDRAB14-07	105	110	32.004	33.528	N	W	10	none	chloritic schist	py	chlorite, qtz, graphite, fe ox	grey
1352899	KSDRAB14-07	110	115	33.528	35.052	N	W	10	none	chloritic schist	py	chlorite, qtz, graphite, fe ox	grey
1352900	KSDRAB14-07	115	120	35.052	36.576	N	W	10	none	chloritic schist	py	chlorite, qtz, graphite	grey
1352902	KSDRAB14-07	120	125	36.576	38.1	N	W	10	none	chloritic schist	py	chlorite, qtz	grey
1352903	KSDRAB14-07	125	130	38.1	39.624	N	W	10	none	chloritic schist	py	chlorite, qtz	grey
1352904	KSDRAB14-07	130	135	39.624	41.148	N	W	10	none	chloritic schist	py	chlorite, qtz	grey
1352905	KSDRAB14-07	135	140	41.148	42.672	N	W	10	weak	chloritic schist	py	chlorite, qtz	greenish
1352906	KSDRAB14-07	140	145	42.672	44.196	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green
1352907	KSDRAB14-07	145	150	44.196	45.72	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green
1352908	KSDRAB14-07	150	155	45.72	47.244	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1352909	KSDRAB14-07	155	160	47.244	48.768	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green
1352910	KSDRAB14-07	160	165	48.768	50.292	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green
1352911	KSDRAB14-07	165	170	50.292	51.816	N	W	10	moderate	chloritic schist	py	chlorite, qtz, fe ox	green
1394551	KSDRAB14-08	0	5	0	1.524	Y	D	8	none	grey schist	no	?	brown
1394552	KSDRAB14-08	5	10	1.524	3.048	Y	D	17	none	grey schist	no	?	grey
1394553	KSDRAB14-08	10	15	3.048	4.572	Y	D	20	none	grey schist	no	?	grey
1394554	KSDRAB14-08	15	20	4.572	6.096	N	D	20	none	grey schist	no	?	grey
1394555	KSDRAB14-08	20	25	6.096	7.62	N	D	20	none	grey schist	no	?	grey
1394556	KSDRAB14-08	25	30	7.62	9.144	N	D	20	none	grey schist	no	?	grey
1394557	KSDRAB14-08	30	35	9.144	10.668	N	D	20	none	grey schist	no	?	grey
1394558	KSDRAB14-08	35	40	10.668	12.192	N	D	20	none	grey schist	py	qtz, bt, musco, chlorite	grey
1394559	KSDRAB14-08	40	45	12.192	13.716	N	D	20	none	qtz vein?	py	qtz, bt, musco, chlorite	light grey
1394560	KSDRAB14-08	45	50	13.716	15.24	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	light grey
1394562	KSDRAB14-08	50	55	15.24	16.764	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	light grey
1394563	KSDRAB14-08	55	60	16.764	18.288	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	light grey
1394564	KSDRAB14-08	60	65	18.288	19.812	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	light grey
1394565	KSDRAB14-08	65	70	19.812	21.336	N	D	20	weak	metaschist	py	qtz, bt, musco, chlorite	light grey
1394566	KSDRAB14-08	70	75	21.336	22.86	N	D	20	mod	metaschist	py	qtz, bt, musco, chlorite	light grey
1394567	KSDRAB14-08	75	80	22.86	24.384	N	D	20	mod	metaschist	py	qtz, bt, musco, chlorite	light grey
1394568	KSDRAB14-08	80	85	24.384	25.908	N	D	20	strong	metaschist	py	bt, qtz, chlorite, fe ox	brown
1394569	KSDRAB14-08	85	90	25.908	27.432	N	D	20	strong	metaschist	py	bt, qtz, chlorite, fe ox	brown
1394570	KSDRAB14-08	90	95	27.432	28.956	N	D	20	strong	metaschist	py	bt, qtz, chlorite, fe ox	orange
1394571	KSDRAB14-08	95	100	28.956	30.48	N	D	20	none	metaschist	py	bt, qtz, chlorite, fe ox	brown
1394572	KSDRAB14-08	100	105	30.48	32.004	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	orange
1394573	KSDRAB14-08	105	110	32.004	33.528	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	grey
1394574	KSDRAB14-08	110	115	33.528	35.052	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	grey
1394576	KSDRAB14-08	115	120	35.052	36.576	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	grey
1394577	KSDRAB14-08	120	125	36.576	38.1	N	D	20	none	metaschist	py	qtz, bt, musco, chlorite	grey
1394578	KSDRAB14-08	125	130	38.1	39.624	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394579	KSDRAB14-08	130	135	39.624	41.148	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394580	KSDRAB14-08	135	140	41.148	42.672	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394582	KSDRAB14-08	140	145	42.672	44.196	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394583	KSDRAB14-08	145	150	44.196	45.72	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394584	KSDRAB14-08	150	155	45.72	47.244	N	M	20	mod	metaschist	?	qtz, bt, musco, chlorite	darker grey
1394585	KSDRAB14-08	155	160	47.244	48.768	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	darker grey
1394586	KSDRAB14-08	160	165	48.768	50.292	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	darker grey
1394587	KSDRAB14-08	165	170	50.292	51.816	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	darker grey
1394588	KSDRAB14-08	170	175	51.816	53.34	N	M	20	none	metaschist	?	qtz, bt, musco, chlorite	darker grey
1394589	KSDRAB14-08	175	180	53.34	54.864	N	M	20	weak	metaschist	py	qtz, bt, musco, chlorite	greenish brown
1394590	KSDRAB14-08	180	185	54.864	56.388	N	M	20	mod	metaschist	?	qtz, bt, musco, chlorite	greenish brown
1394591	KSDRAB14-08	185	190	56.388	57.912	N	M	20	mod	metaschist	?	qtz, bt, musco, chlorite	greenish brown
1394592	KSDRAB14-08	190	195	57.912	59.436	N	M	10	mod	metaschist	py	qtz, bt, musco, chlorite	greenish brown
1394593	KSDRAB14-08	195	200	59.436	60.96	N	M	10	mod	metaschist	?	qtz, bt, musco, chlorite	grey
1394594	KSDRAB14-08	200	205	60.96	62.484	N	W	9	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394595	KSDRAB14-08	205	210	62.484	64.008	N	W	9	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394596	KSDRAB14-08	210	215	64.008	65.532	N	W	9	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394597	KSDRAB14-08	215	220	65.532	67.056	N	W	9	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394598	KSDRAB14-08	220	225	67.056	68.58	N	W	9	none	metaschist	?	qtz, bt, musco, chlorite	grey
1394601	KSDRAB14-09	0	5	0	1.524	Y	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394602	KSDRAB14-09	5	10	1.524	3.048	Y	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394603	KSDRAB14-09	10	15	3.048	4.572	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394604	KSDRAB14-09	15	20	4.572	6.096	N	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394605	KSDRAB14-09	20	25	6.096	7.62	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394606	KSDRAB14-09	25	30	7.62	9.144	N	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394607	KSDRAB14-09	30	35	9.144	10.668	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394608	KSDRAB14-09	35	40	10.668	12.192	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394609	KSDRAB14-09	40	45	12.192	13.716	N	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394610	KSDRAB14-09	45	50	13.716	15.24	N	D	20	weak	metaschist	?	qtz, bt, micas	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394611	KSDRAB14-09	50	55	15.24	16.764	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394612	KSDRAB14-09	55	60	16.764	18.288	N	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394613	KSDRAB14-09	60	65	18.288	19.812	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394614	KSDRAB14-09	65	70	19.812	21.336	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394615	KSDRAB14-09	70	75	21.336	22.86	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394616	KSDRAB14-09	75	80	22.86	24.384	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394617	KSDRAB14-09	80	85	24.384	25.908	N	D	20	moderate	metaschist	?	qtz, bt, micas	grey
1394618	KSDRAB14-09	85	90	25.908	27.432	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394619	KSDRAB14-09	90	95	27.432	28.956	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394620	KSDRAB14-09	95	100	28.956	30.48	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394622	KSDRAB14-09	100	105	30.48	32.004	N	D	20	weak	metaschist	?	qtz, bt, micas	grey
1394623	KSDRAB14-09	105	110	32.004	33.528	N	M	20	moderate	metaschist	?	qtz, bt, micas	grey
1394624	KSDRAB14-09	110	115	33.528	35.052	N	M	20	moderate	metaschist	?	qtz, bt, micas	grey
1394626	KSDRAB14-09	115	120	35.052	36.576	N	M	17	weak	metaschist	?	qtz, bt, micas	grey
1394627	KSDRAB14-09	120	125	36.576	38.1	N	M	18	weak	metaschist	?	qtz, bt, micas	grey
1394628	KSDRAB14-09	125	130	38.1	39.624	N	W	10	moderate	metaschist	?	qtz, bt, micas	grey
1394629	KSDRAB14-09	130	135	39.624	41.148	N	M	20	none	metaschist	?	qtz, bt, micas	grey
1394630	KSDRAB14-09	135	140	41.148	42.672	N	M	20	none	metaschist	?	qtz, bt, micas	grey
1394631	KSDRAB14-09	140	145	42.672	44.196	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394632	KSDRAB14-09	145	150	44.196	45.72	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394633	KSDRAB14-09	150	155	45.72	47.244	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394634	KSDRAB14-09	155	160	47.244	48.768	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394635	KSDRAB14-09	160	165	48.768	50.292	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394636	KSDRAB14-09	165	170	50.292	51.816	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394637	KSDRAB14-09	170	175	51.816	53.34	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394638	KSDRAB14-09	175	180	53.34	54.864	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394639	KSDRAB14-09	180	185	54.864	56.388	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394640	KSDRAB14-09	185	190	56.388	57.912	N	M	35	none	metaschist	?	qtz, bt, micas	grey
1394642	KSDRAB14-09	190	195	57.912	59.436	N	M	20	none	metaschist	?	qtz, bt, micas	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394643	KSDRAB14-09	195	200	59.436	60.96	N	M	20	none	metaschist	?	qtz, bt, micas	grey
1394644	KSDRAB14-09	200	205	60.96	62.484	N	W	6	none	metaschist	?	qtz, bt, micas	grey
1394645	KSDRAB14-09	205	210	62.484	64.008	N	W	8	none	metaschist	?	qtz, bt, micas	grey
1394646	KSDRAB14-09	210	215	64.008	65.532	N	M	12	none	metaschist	?	qtz, bt, micas	grey
1394647	KSDRAB14-09	215	220	65.532	67.056	N	M	10	none	metaschist	?	qtz, bt, micas	grey
1394648	KSDRAB14-09	220	225	67.056	68.58	N	M	10	none	metaschist	?	qtz, bt, micas	grey
1394686	KSDRAB14-10	0	5	0	1.524	Y	D	7	strong	metaschist	?	bt, musco, chlorite, qtz, fe ox	brown
1394687	KSDRAB14-10	5	10	1.524	3.048	Y	D	20	strong	metaschist	?	bt, musco, chlorite, qtz, fe ox	brown
1394688	KSDRAB14-10	10	15	3.048	4.572	Y	D	35	strong	chloritic schist	?	bt, musco, chlorite, qtz, fe ox	brown
1394689	KSDRAB14-10	15	20	4.572	6.096	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1394690	KSDRAB14-10	20	25	6.096	7.62	N	D	20	mod	qtz vein	py	qtz, chlorite, fe ox	light grey
1394691	KSDRAB14-10	25	30	7.62	9.144	N	D	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394692	KSDRAB14-10	30	35	9.144	10.668	N	D	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394693	KSDRAB14-10	35	40	10.668	12.192	N	D	20	strong	chloritic schist	py	qtz, chlorite, fe ox	brown
1394694	KSDRAB14-10	40	45	12.192	13.716	N	D	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394695	KSDRAB14-10	45	50	13.716	15.24	N	D	20	none	chloritic schist	py	chlorite, qtz	grey
1394696	KSDRAB14-10	50	55	15.24	16.764	N	D	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394697	KSDRAB14-10	55	60	16.764	18.288	N	D	20	strong	chloritic schist	py	qtz, chlorite, fe ox	brown
1394698	KSDRAB14-10	60	65	18.288	19.812	N	M	20	strong	chloritic schist	py	qtz, chlorite, fe ox	brown
1394699	KSDRAB14-10	65	70	19.812	21.336	N	M	20	strong	chloritic schist	py	qtz, chlorite, fe ox	orange rust
1394700	KSDRAB14-10	70	75	21.336	22.86	N	M	17	weak	chloritic schist	py	qtz, chlorite, fe ox	grey
1394702	KSDRAB14-10	75	80	22.86	24.384	N	M	20	weak	chloritic schist	py	qtz, chlorite, fe ox	grey
1394703	KSDRAB14-10	80	85	24.384	25.908	N	M	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394704	KSDRAB14-10	85	90	25.908	27.432	N	M	20	mod	chloritic schist	py	qtz, chlorite, fe ox	grey
1394705	KSDRAB14-10	90	95	27.432	28.956	N	M	13	weak	chloritic schist	py	qtz, chlorite, fe ox	grey
1394706	KSDRAB14-10	95	100	28.956	30.48	N	M	5	weak	chloritic schist	py	qtz, chlorite, fe ox	grey
1394707	KSDRAB14-10	100	105	30.48	32.004	N	M	5	weak	chloritic schist	py	qtz, chlorite, fe ox	grey
1394651	KSDRAB14-11	0	5	0	1.524	Y	D	11	strong	bt schist	py	micas,qtz, fe ox	brown
1394652	KSDRAB14-11	5	10	1.524	3.048	Y	D	18	strong	chloritic schist	py	micas,qtz, fe ox	brown

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394653	KSDRAB14-11	10	15	3.048	4.572	Y	D	35	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394654	KSDRAB14-11	15	20	4.572	6.096	N	D	20	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394655	KSDRAB14-11	20	25	6.096	7.62	N	D	18	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394656	KSDRAB14-11	25	30	7.62	9.144	N	D	20	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394657	KSDRAB14-11	30	35	9.144	10.668	N	D	20	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394658	KSDRAB14-11	35	40	10.668	12.192	N	D	20	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394659	KSDRAB14-11	40	45	12.192	13.716	N	D	20	mod	chloritic schist	py	micas,qtz, fe ox	grey
1394660	KSDRAB14-11	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394662	KSDRAB14-11	50	55	15.24	16.764	N	D	20	strong	chloritic schist	py	micas,qtz, fe ox	brown
1394663	KSDRAB14-11	55	60	16.764	18.288	N	W	7	strong	chloritic schist	py	micas,qtz, fe ox	brown
1394664	KSDRAB14-11	60	65	18.288	19.812	N	M	20	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394665	KSDRAB14-11	65	70	19.812	21.336	N	M	20	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394666	KSDRAB14-11	70	75	21.336	22.86	N	M	20	weak	bt schist	py	micas,qtz, fe ox	grey
1394667	KSDRAB14-11	75	80	22.86	24.384	N	D	20	weak	bt schist	py	micas,qtz, fe ox	grey
1394668	KSDRAB14-11	80	85	24.384	25.908	N	D	20	weak	bt schist	py	micas,qtz, fe ox	grey
1394669	KSDRAB14-11	85	90	25.908	27.432	N	W	12	weak	bt schist	py	micas,qtz, fe ox	grey
1394670	KSDRAB14-11	90	95	27.432	28.956	N	W	10	weak	chloritic schist	py	bt, chlorite, sulfides	black
1394671	KSDRAB14-11	95	100	28.956	30.48	N	W	12	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394672	KSDRAB14-11	100	105	30.48	32.004	N	W	12	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394673	KSDRAB14-11	105	110	32.004	33.528	N	W	8	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394674	KSDRAB14-11	110	115	33.528	35.052	N	M	6	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394676	KSDRAB14-11	115	120	35.052	36.576	N	M	12	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394677	KSDRAB14-11	120	125	36.576	38.1	N	M	13	weak	chloritic schist	py	micas,qtz, fe ox	grey
1394678	KSDRAB14-11	125	130	38.1	39.624	N	M	5	none	chloritic schist	py	micas,qtz, fe ox	grey
1394679	KSDRAB14-11	130	135	39.624	41.148	N	M	5	none	chloritic schist	py	micas,qtz, fe ox	grey
1394680	KSDRAB14-11	135	140	41.148	42.672	N	M	8	none	chloritic schist	py	micas,qtz, fe ox	grey
1394683	KSDRAB14-11	140	145	42.672	44.196	N	D	20	none	chloritic schist	py	micas,qtz, fe ox	grey
1394684	KSDRAB14-11	145	150	44.196	45.72	N	D	30	none	chloritic schist	py	micas,qtz, fe ox	grey
1394685	KSDRAB14-11	150	155	45.72	47.244	N	D	8	none	chloritic schist	py	micas,qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368251	KSDRAB14-12	0	5	0	1.524	Y	D	8	strong	metaschist	?	bt, chlorite, qtz, fe ox	brown
1368252	KSDRAB14-12	5	10	1.524	3.048	Y	D	20	strong	metaschist	?	bt, chlorite, qtz, fe ox	brown
1368253	KSDRAB14-12	10	15	3.048	4.572	Y	D	30	strong	metaschist	?	bt, chlorite, qtz, fe ox	brown
1368254	KSDRAB14-12	15	20	4.572	6.096	Y	D	30	strong	metaschist	?	bt, chlorite, qtz, fe ox	brown
1368255	KSDRAB14-12	20	25	6.096	7.62	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368256	KSDRAB14-12	25	30	7.62	9.144	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368257	KSDRAB14-12	30	35	9.144	10.668	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1368258	KSDRAB14-12	35	40	10.668	12.192	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368259	KSDRAB14-12	40	45	12.192	13.716	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368260	KSDRAB14-12	45	50	13.716	15.24	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368262	KSDRAB14-12	50	55	15.24	16.764	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368263	KSDRAB14-12	55	60	16.764	18.288	N	D	20	weak	chloritic schist	py	qtz, chlorite	dark grey
1368264	KSDRAB14-12	60	65	18.288	19.812	N	D	20	weak	chloritic schist	py	qtz, chlorite	dark grey
1368265	KSDRAB14-12	65	70	19.812	21.336	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368266	KSDRAB14-12	70	75	21.336	22.86	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1368267	KSDRAB14-12	75	80	22.86	24.384	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1368268	KSDRAB14-12	80	85	24.384	25.908	N	M	20	weak	qtz vein	py	chlorite, bt, qtz, fe ox	light grey
1368269	KSDRAB14-12	85	90	25.908	27.432	N	M	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368270	KSDRAB14-12	90	95	27.432	28.956	N	M	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1368271	KSDRAB14-12	95	100	28.956	30.48	N	W	10	weak	chloritic schist	py	qtz, chlorite	grey
1368272	KSDRAB14-12	100	105	30.48	32.004	N	W	11	weak	qtz vein	py	qtz, chlorite	light grey
1368273	KSDRAB14-12	105	110	32.004	33.528	N	W	11	weak	qtz vein	py	qtz, chlorite	light grey
1368274	KSDRAB14-12	110	115	33.528	35.052	N	W	11	weak	qtz vein	py	qtz, chlorite	light grey
1368276	KSDRAB14-12	115	120	35.052	36.576	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368277	KSDRAB14-12	120	125	36.576	38.1	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368278	KSDRAB14-12	125	130	38.1	39.624	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368279	KSDRAB14-12	130	135	39.624	41.148	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368280	KSDRAB14-12	135	140	41.148	42.672	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368282	KSDRAB14-12	140	145	42.672	44.196	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1368283	KSDRAB14-12	145	150	44.196	45.72	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368284	KSDRAB14-12	150	155	45.72	47.244	N	W	9	weak	chloritic schist	py	qtz, chlorite	grey
1368226	KSDRAB14-13	0	5	0	1.524	Y	D	13	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	brownish
1368227	KSDRAB14-13	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	brownish
1368228	KSDRAB14-13	10	15	3.048	4.572	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	brownish
1368229	KSDRAB14-13	15	20	4.572	6.096	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	brownish
1368230	KSDRAB14-13	20	25	6.096	7.62	N	D	20	weak	graphitic schist	py	graphite, qtz	black
1368231	KSDRAB14-13	25	30	7.62	9.144	N	D	20	none	graphitic schist	py	graphite, qtz	black
1368232	KSDRAB14-13	30	35	9.144	10.668	N	D	20	none	graphitic schist	py	graphite, qtz	black
1368233	KSDRAB14-13	35	40	10.668	12.192	N	D	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368234	KSDRAB14-13	40	45	12.192	13.716	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368235	KSDRAB14-13	45	50	13.716	15.24	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368236	KSDRAB14-13	50	55	15.24	16.764	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368237	KSDRAB14-13	55	60	16.764	18.288	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368238	KSDRAB14-13	60	65	18.288	19.812	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368239	KSDRAB14-13	65	70	19.812	21.336	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368240	KSDRAB14-13	70	75	21.336	22.86	N	M	20	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368242	KSDRAB14-13	75	80	22.86	24.384	N	W	13	none	quartzite	py	Qtz, musco, graphite, bt?	grey
1368243	KSDRAB14-13	80	85	24.384	25.908	N	W	13	weak	quartzite	py	Qtz, musco, graphite, bt?, fe ox	grey
1368244	KSDRAB14-13	85	90	25.908	27.432	N	W	13	weak	quartzite	py	Qtz, musco, graphite, bt?, fe ox	grey
1368245	KSDRAB14-13	90	95	27.432	28.956	N	W	13	weak	quartzite	py	Qtz, musco, graphite, bt?, fe ox	grey
1368246	KSDRAB14-13	95	100	28.956	30.48	N	W	13	weak	quartzite	py	Qtz, musco, graphite, bt?, fe ox	grey
1394726	KSDRAB14-13	100	105	30.48	32.004	N	W	13	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1394727	KSDRAB14-13	105	110	32.004	33.528	N	W	13	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1394728	KSDRAB14-13	110	115	33.528	35.052	N	W	13	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1394729	KSDRAB14-13	115	120	35.052	36.576	N	W	13	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1394730	KSDRAB14-13	120	125	36.576	38.1	N	W	13	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1394731	KSDRAB14-13	125	130	38.1	39.624	N	W	10	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1394732	KSDRAB14-13	130	135	39.624	41.148	N	W	8	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1348876	KSDRAB14-14	0	5	0	1.524	Y	D	13	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348877	KSDRAB14-14	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348878	KSDRAB14-14	10	15	3.048	4.572	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348879	KSDRAB14-14	15	20	4.572	6.096	N	D	20	weak	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348880	KSDRAB14-14	20	25	6.096	7.62	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348882	KSDRAB14-14	25	30	7.62	9.144	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348883	KSDRAB14-14	30	35	9.144	10.668	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348884	KSDRAB14-14	35	40	10.668	12.192	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348885	KSDRAB14-14	40	45	12.192	13.716	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348886	KSDRAB14-14	45	50	13.716	15.24	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348887	KSDRAB14-14	50	55	15.24	16.764	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1348888	KSDRAB14-14	55	60	16.764	18.288	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1348889	KSDRAB14-14	60	65	18.288	19.812	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1348890	KSDRAB14-14	65	70	19.812	21.336	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348891	KSDRAB14-14	70	75	21.336	22.86	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348892	KSDRAB14-14	75	80	22.86	24.384	N	D	20	moderate	chloritic schist	py	qtz, chlorite, fe ox, musco?	grey
1348893	KSDRAB14-14	80	85	24.384	25.908	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	dark grey
1348894	KSDRAB14-14	85	90	25.908	27.432	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1348895	KSDRAB14-14	90	95	27.432	28.956	N	D	20	strong	chloritic schist	py	chlorite, bt, qtz, fe ox	brown
1348896	KSDRAB14-14	95	100	28.956	30.48	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1348897	KSDRAB14-14	100	105	30.48	32.004	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1348898	KSDRAB14-14	105	110	32.004	33.528	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1348899	KSDRAB14-14	110	115	33.528	35.052	N	D	20	none	chloritic schist	py	qtz, bt, chlorite	light grey
1348900	KSDRAB14-14	115	120	35.052	36.576	N	D	20	none	chloritic schist	py	qtz, bt, chlorite, musco?	light grey
1348902	KSDRAB14-14	120	125	36.576	38.1	N	D	20	none	chloritic schist	py	qtz, bt, chlorite	grey
1348903	KSDRAB14-14	125	130	38.1	39.624	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey
1348904	KSDRAB14-14	130	135	39.624	41.148	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1348905	KSDRAB14-14	135	140	41.148	42.672	N	D	20	weak	quartzite	py	qtz, bt, musco?	grey
1348906	KSDRAB14-14	140	145	42.672	44.196	N	D	20	none	quartzite	py	qtz, bt, musco?	grey
1348907	KSDRAB14-14	145	150	44.196	45.72	N	D	20	none	quartzite	py	qtz, bt, musco?	grey
1335551	KSDRAB14-15	0	5	0	1.524	Y	D	13	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335552	KSDRAB14-15	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335553	KSDRAB14-15	10	15	3.048	4.572	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335554	KSDRAB14-15	15	20	4.572	6.096	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335555	KSDRAB14-15	20	25	6.096	7.62	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335556	KSDRAB14-15	25	30	7.62	9.144	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335557	KSDRAB14-15	30	35	9.144	10.668	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335558	KSDRAB14-15	35	40	10.668	12.192	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335559	KSDRAB14-15	40	45	12.192	13.716	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335560	KSDRAB14-15	45	50	13.716	15.24	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335562	KSDRAB14-15	50	55	15.24	16.764	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335563	KSDRAB14-15	55	60	16.764	18.288	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335564	KSDRAB14-15	60	65	18.288	19.812	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335565	KSDRAB14-15	65	70	19.812	21.336	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335566	KSDRAB14-15	70	75	21.336	22.86	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335567	KSDRAB14-15	75	80	22.86	24.384	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335568	KSDRAB14-15	80	85	24.384	25.908	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335569	KSDRAB14-15	85	90	25.908	27.432	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335570	KSDRAB14-15	90	95	27.432	28.956	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335571	KSDRAB14-15	95	100	28.956	30.48	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335572	KSDRAB14-15	100	105	30.48	32.004	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335573	KSDRAB14-15	105	110	32.004	33.528	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335574	KSDRAB14-15	110	115	33.528	35.052	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335576	KSDRAB14-15	115	120	35.052	36.576	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335577	KSDRAB14-15	120	125	36.576	38.1	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335578	KSDRAB14-15	125	130	38.1	39.624	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1335579	KSDRAB14-15	130	135	39.624	41.148	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335580	KSDRAB14-15	135	140	41.148	42.672	N	D	20	moderate	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335582	KSDRAB14-15	140	145	42.672	44.196	N	M	15	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335583	KSDRAB14-15	145	150	44.196	45.72	N	M	15	weak	chloritic schist	py	bt, chlorite, qtz, fe ox	grey
1335602	KSDRAB14-16	0	5	0	1.524	Y	D	13	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335603	KSDRAB14-16	5	10	1.524	3.048	Y	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335604	KSDRAB14-16	10	15	3.048	4.572	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335605	KSDRAB14-16	15	20	4.572	6.096	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335606	KSDRAB14-16	20	25	6.096	7.62	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335607	KSDRAB14-16	25	30	7.62	9.144	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335608	KSDRAB14-16	30	35	9.144	10.668	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335609	KSDRAB14-16	35	40	10.668	12.192	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	brown
1335610	KSDRAB14-16	40	45	12.192	13.716	N	D	20	strong	chloritic schist	py	bt-chlorite, qtz, fe ox	dark brown
1335611	KSDRAB14-16	45	50	13.716	15.24	N	D	20	moderate	bt schist	py	bt-chlorite, qtz, fe ox	grey
1335612	KSDRAB14-16	50	55	15.24	16.764	N	D	20	weak	bt schist	py	bt-chlorite, qtz, fe ox	grey
1335613	KSDRAB14-16	55	60	16.764	18.288	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335614	KSDRAB14-16	60	65	18.288	19.812	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335615	KSDRAB14-16	65	70	19.812	21.336	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335616	KSDRAB14-16	70	75	21.336	22.86	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335617	KSDRAB14-16	75	80	22.86	24.384	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335618	KSDRAB14-16	80	85	24.384	25.908	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335619	KSDRAB14-16	85	90	25.908	27.432	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335620	KSDRAB14-16	90	95	27.432	28.956	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335622	KSDRAB14-16	95	100	28.956	30.48	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335623	KSDRAB14-16	100	105	30.48	32.004	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335624	KSDRAB14-16	105	110	32.004	33.528	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335626	KSDRAB14-16	110	115	33.528	35.052	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335627	KSDRAB14-16	115	120	35.052	36.576	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335628	KSDRAB14-16	120	125	36.576	38.1	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1335629	KSDRAB14-16	125	130	38.1	39.624	N	D	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335630	KSDRAB14-16	130	135	39.624	41.148	N	M	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335631	KSDRAB14-16	135	140	41.148	42.672	N	M	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335632	KSDRAB14-16	140	145	42.672	44.196	N	M	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335633	KSDRAB14-16	145	150	44.196	45.72	N	M	20	weak	bt schist	py	bt, qtz, sulfides	grey
1335634	KSDRAB14-17	0	5	0	1.524	Y	M	14	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335635	KSDRAB14-17	5	10	1.524	3.048	Y	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335636	KSDRAB14-17	10	15	3.048	4.572	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335637	KSDRAB14-17	15	20	4.572	6.096	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335638	KSDRAB14-17	20	25	6.096	7.62	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335639	KSDRAB14-17	25	30	7.62	9.144	N	D	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	brownish
1335640	KSDRAB14-17	30	35	9.144	10.668	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335642	KSDRAB14-17	35	40	10.668	12.192	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335643	KSDRAB14-17	40	45	12.192	13.716	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335644	KSDRAB14-17	45	50	13.716	15.24	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	greenish
1335645	KSDRAB14-17	50	55	15.24	16.764	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	greenish
1335646	KSDRAB14-17	55	60	16.764	18.288	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	greenish
1335647	KSDRAB14-17	60	65	18.288	19.812	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335648	KSDRAB14-17	65	70	19.812	21.336	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335649	KSDRAB14-17	70	75	21.336	22.86	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335650	KSDRAB14-17	75	80	22.86	24.384	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335651	KSDRAB14-17	80	85	24.384	25.908	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335652	KSDRAB14-17	85	90	25.908	27.432	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	grey
1335653	KSDRAB14-17	90	95	27.432	28.956	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	green
1335654	KSDRAB14-17	95	100	28.956	30.48	N	D	20	weak	chloritic schist	py	qtz, bt, chlorite	green
1335655	KSDRAB14-17	100	105	30.48	32.004	N	M	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	olive
1335656	KSDRAB14-17	105	110	32.004	33.528	N	M	20	moderate	chloritic schist	py	chlorite, bt, qtz, fe ox	olive
1335657	KSDRAB14-17	110	115	33.528	35.052	N	M	20	weak	chloritic schist	py	qtz, bt, chlorite	green
1335658	KSDRAB14-17	115	120	35.052	36.576	N	M	14	weak	chloritic schist	py	qtz, bt, chlorite	green

Sample ID	Hole ID	From(ft)	To(ft)	From(m)	To(m)	Cased	Moisture	Recovery	Oxidation	Lithology	Sulphides	Mineral	Color
1335659	KSDRAB14-17	120	125	36.576	38.1	N	M	12	weak	chloritic schist	py	qtz, bt, chlorite	green

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 10, 2014
Report Date: October 28, 2014
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI14000242.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-10-08
P.O. Number
Number of Samples: 139

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	133	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	139	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	139	4 Acid digestion ICP-MS analysis	0.25	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.

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394501	Rock	2.52	0.016	1.0	45.4	16.0	102	0.2	17.7	25.2	893	5.98	6	0.7	2.5	33	0.2	0.7	<0.1	236	0.21
1394502	Rock	1.77	0.018	0.4	43.6	13.9	106	0.3	12.2	23.7	877	5.91	5	0.5	1.8	24	0.2	0.6	0.2	222	0.17
1394503	Rock	4.14	0.010	0.8	38.1	15.0	105	0.3	13.9	22.7	998	5.44	5	0.5	2.8	53	0.5	0.9	0.4	200	1.52
1394504	Rock	2.09	0.009	0.6	32.3	10.8	91	0.3	11.8	22.3	855	5.25	6	0.5	3.2	70	0.4	0.9	<0.1	187	2.45
1394505	Rock	2.22	0.005	0.8	33.7	14.3	80	0.2	12.9	20.5	780	4.71	6	0.6	3.7	83	0.5	1.0	0.2	185	3.13
1394506	Rock	1.84	<0.005	0.8	30.1	7.7	88	0.2	10.4	22.8	968	5.32	34	0.7	3.3	47	0.3	0.7	<0.1	199	2.22
1394507	Rock	1.91	<0.005	1.2	30.1	7.6	82	0.3	11.4	20.9	884	4.95	44	0.7	3.1	65	0.3	0.5	<0.1	180	2.91
1394508	Rock	1.76	0.010	0.3	42.9	14.3	77	0.3	10.9	23.9	905	5.38	28	0.7	3.0	103	0.1	0.7	<0.1	220	3.71
1394509	Rock	1.70	0.009	0.4	39.7	19.5	77	0.3	10.8	23.5	785	5.22	51	0.5	3.1	92	0.1	0.7	<0.1	219	2.91
1394510	Rock	2.12	0.013	0.7	38.4	15.4	90	0.3	10.4	20.9	855	4.93	151	0.5	3.1	72	0.3	0.8	<0.1	178	2.90
1394511	Rock	2.09	0.007	1.3	32.9	23.1	103	0.4	11.8	18.5	903	4.78	28	0.9	4.7	92	0.9	0.8	0.3	152	3.50
1394512	Rock	2.53	0.005	0.6	26.4	14.8	97	0.3	10.7	17.4	739	4.69	11	0.5	4.5	59	0.5	0.4	<0.1	146	2.19
1394513	Rock	2.68	0.015	0.7	34.0	19.5	122	0.3	11.5	17.7	779	4.66	10	0.7	4.4	66	0.8	0.4	<0.1	148	2.34
1394514	Rock	2.02	0.007	0.8	28.5	18.4	116	0.3	9.5	17.0	805	4.23	4	0.8	3.6	72	0.8	0.2	<0.1	147	2.92
1394515	Rock	2.31	0.008	1.1	38.0	31.0	136	0.3	11.5	21.3	810	4.92	5	1.2	3.4	74	0.5	0.2	<0.1	175	2.61
1394516	Rock	2.13	<0.005	0.7	23.5	6.9	96	0.1	10.3	17.9	594	4.85	4	0.9	3.5	60	0.2	0.4	<0.1	144	1.65
1394517	Rock	1.98	0.013	3.0	34.1	30.8	122	0.6	10.8	11.0	587	4.27	8	1.9	5.4	40	0.3	0.5	0.9	82	1.09
1394518	Rock	2.34	0.006	2.9	20.6	19.4	110	0.3	18.6	8.4	491	3.16	8	1.8	7.6	55	0.5	0.4	0.2	72	1.33
1394519	Rock	2.55	<0.005	3.3	27.5	21.5	106	0.2	25.3	8.3	429	2.75	12	2.1	8.0	47	0.6	0.3	0.2	80	1.11
1394520	Rock	2.18	0.033	3.2	82.5	22.9	175	0.6	14.5	15.1	860	4.84	14	1.9	4.5	71	0.8	0.6	0.6	130	1.76
1394521	Rock Pulp	0.12	2.027	3.8	38.8	9.7	71	0.4	37.9	17.4	808	4.23	12	0.8	2.0	304	0.1	3.0	0.2	136	2.83
1394522	Rock	2.73	0.025	2.9	42.3	12.0	146	0.3	14.9	12.0	639	3.81	7	1.8	4.7	40	0.3	0.3	0.2	108	1.02
1394523	Rock	2.44	0.013	2.2	63.7	21.0	152	0.7	11.3	14.3	956	4.14	22	1.3	4.1	56	0.9	0.8	0.8	137	1.54
1394524	Rock	2.36	0.408	2.6	57.2	84.8	93	0.6	16.4	15.4	664	3.06	27	1.3	5.3	88	0.4	0.7	0.6	94	1.80
1394525	Rock	2.55	0.073	1.7	49.8	80.5	88	0.6	17.2	10.6	648	2.86	29	1.3	5.0	87	0.3	0.6	0.5	92	1.85
1394526	Rock	2.57	0.011	2.3	50.0	12.8	141	0.3	17.5	14.1	841	4.05	11	1.8	5.4	71	0.9	1.0	0.5	125	1.85
1394527	Rock	2.21	0.069	2.2	21.1	9.1	99	0.2	9.3	10.8	845	3.68	7	1.8	4.7	77	0.4	0.3	<0.1	98	2.18
1394528	Rock	1.93	0.148	1.4	21.7	9.1	67	0.1	5.9	16.1	684	3.50	7	1.5	4.3	90	<0.1	0.3	0.1	67	2.25
1394529	Rock	2.13	0.409	1.3	28.4	9.6	71	0.2	6.7	14.6	777	4.60	10	1.2	3.8	114	0.6	0.6	0.3	108	2.93
1394530	Rock	1.95	0.132	1.9	23.7	9.3	106	0.2	5.7	28.3	788	4.54	12	1.0	3.7	104	0.2	0.4	0.1	86	2.33

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1394501	Rock	0.048	5.4	37	3.95	1209	0.159	8.58	1.866	2.04	1.9	14.6	14	1.0	5.0	1.8	0.1	1	24	28.9	<0.1
1394502	Rock	0.053	3.7	26	3.77	1050	0.115	7.26	1.528	1.65	1.8	7.7	10	0.9	4.5	1.0	<0.1	1	21	29.7	<0.1
1394503	Rock	0.054	9.2	35	3.51	989	0.116	7.53	1.795	1.39	2.1	5.3	21	0.9	5.7	1.0	<0.1	<1	22	28.8	<0.1
1394504	Rock	0.057	11.4	31	3.53	923	0.191	8.00	2.353	1.29	1.3	4.1	24	0.9	7.2	1.7	0.1	<1	22	30.3	<0.1
1394505	Rock	0.054	13.1	35	3.03	1034	0.185	7.51	1.800	1.49	1.3	4.0	27	1.0	7.4	1.9	0.1	<1	20	27.3	<0.1
1394506	Rock	0.059	11.1	30	3.36	1018	0.192	7.50	2.182	1.28	1.3	6.8	25	0.7	7.5	1.5	<0.1	1	22	28.2	<0.1
1394507	Rock	0.050	11.0	33	2.65	886	0.175	7.02	1.952	1.22	1.9	5.0	24	0.7	7.1	1.7	<0.1	<1	21	26.1	<0.1
1394508	Rock	0.052	10.8	28	3.12	799	0.204	7.82	2.242	1.26	1.5	2.2	23	0.8	9.0	1.5	0.1	<1	24	42.8	<0.1
1394509	Rock	0.053	9.5	26	3.11	972	0.170	7.98	1.901	1.53	0.9	2.1	21	0.8	9.8	1.5	<0.1	1	23	40.7	<0.1
1394510	Rock	0.051	9.7	25	3.17	970	0.162	7.46	1.434	1.65	1.3	3.0	21	0.9	9.2	1.7	<0.1	<1	21	46.5	<0.1
1394511	Rock	0.069	16.3	38	3.08	1198	0.142	7.72	1.325	1.76	1.2	4.2	32	1.1	11.0	2.2	<0.1	<1	21	35.9	0.2
1394512	Rock	0.064	15.4	33	3.36	1103	0.118	7.35	1.121	1.73	1.2	6.8	32	1.0	6.7	1.6	<0.1	1	19	41.2	0.1
1394513	Rock	0.063	16.6	34	3.17	1159	0.115	7.44	1.160	1.87	1.2	6.4	33	0.7	6.3	1.9	<0.1	1	20	36.7	0.2
1394514	Rock	0.052	12.0	28	3.16	1013	0.098	6.58	0.973	1.63	3.5	7.8	25	0.8	4.7	1.1	<0.1	1	17	29.3	0.1
1394515	Rock	0.053	10.3	29	3.87	1201	0.104	7.54	1.234	1.76	3.2	13.8	22	0.6	3.9	1.2	<0.1	1	19	39.1	0.2
1394516	Rock	0.064	12.6	24	3.70	1254	0.107	7.21	1.694	1.32	1.8	22.6	27	0.7	4.4	1.1	<0.1	<1	19	38.5	0.3
1394517	Rock	0.089	18.5	22	3.05	294	0.116	6.43	0.621	2.24	3.0	53.0	38	1.2	4.8	2.5	<0.1	2	16	28.3	0.8
1394518	Rock	0.093	25.8	32	2.17	402	0.114	6.25	1.205	1.94	2.9	47.6	50	1.7	5.9	2.5	0.1	1	13	22.1	0.4
1394519	Rock	0.095	26.4	42	1.71	686	0.109	6.32	1.230	2.12	2.3	40.7	52	1.9	6.1	2.5	0.1	1	11	14.7	0.3
1394520	Rock	0.074	16.6	31	3.96	224	0.120	7.23	0.657	2.24	2.8	59.3	35	1.4	6.8	1.4	<0.1	2	18	24.3	0.8
1394521	Rock Pulp	0.067	10.7	56	1.51	518	0.402	7.13	2.514	0.98	24.6	30.6	22	0.9	16.9	4.4	0.2	1	16	17.4	<0.1
1394522	Rock	0.090	14.3	33	3.13	449	0.112	6.26	0.691	2.05	4.9	51.1	31	1.6	4.5	1.6	<0.1	2	15	21.2	0.6
1394523	Rock	0.082	12.5	34	3.59	117	0.117	6.34	0.735	1.77	4.7	52.2	28	1.4	5.2	1.3	<0.1	2	16	38.1	0.9
1394524	Rock	0.069	16.6	31	2.14	107	0.092	5.39	0.753	1.67	56.6	37.3	32	1.5	6.3	1.7	<0.1	<1	12	23.0	0.7
1394525	Rock	0.067	17.2	25	1.98	137	0.100	5.13	0.761	1.68	20.2	35.9	33	1.3	6.4	1.5	<0.1	2	11	21.9	0.7
1394526	Rock	0.087	19.2	37	2.81	179	0.103	6.88	1.341	1.86	10.7	37.3	37	1.8	7.0	1.3	<0.1	1	17	21.2	0.8
1394527	Rock	0.099	16.7	19	1.68	76	0.109	7.25	2.341	1.99	6.2	28.5	39	1.5	8.7	0.9	<0.1	1	16	11.7	1.0
1394528	Rock	0.108	14.2	11	1.36	90	0.092	7.41	3.976	1.16	115.5	28.8	33	1.1	9.0	0.9	<0.1	<1	16	6.9	1.0
1394529	Rock	0.103	14.0	12	1.62	122	0.117	7.76	3.747	1.15	28.8	29.6	32	0.9	9.6	0.9	<0.1	1	18	12.6	0.9
1394530	Rock	0.105	11.6	10	1.75	44	0.100	7.35	3.452	1.15	>200	25.0	29	0.9	10.3	1.1	<0.1	<1	17	15.0	1.8

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Project: KSD
Report Date: October 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394501	Rock	32.7	0.4	0.05	<0.005	<1	<0.5	<0.5
1394502	Rock	19.3	0.3	0.06	<0.005	<1	<0.5	<0.5
1394503	Rock	26.6	0.2	0.06	<0.005	<1	<0.5	<0.5
1394504	Rock	32.9	<0.1	<0.05	<0.005	<1	0.5	<0.5
1394505	Rock	38.8	<0.1	0.08	<0.005	<1	<0.5	<0.5
1394506	Rock	32.5	0.2	<0.05	<0.005	<1	<0.5	<0.5
1394507	Rock	35.4	0.2	<0.05	<0.005	<1	<0.5	<0.5
1394508	Rock	29.8	<0.1	0.08	<0.005	<1	<0.5	<0.5
1394509	Rock	36.2	<0.1	0.07	<0.005	<1	<0.5	<0.5
1394510	Rock	40.7	<0.1	<0.05	<0.005	<1	<0.5	<0.5
1394511	Rock	49.9	<0.1	0.12	<0.005	<1	<0.5	<0.5
1394512	Rock	41.2	0.2	0.06	<0.005	<1	<0.5	<0.5
1394513	Rock	43.8	0.2	0.08	<0.005	<1	<0.5	<0.5
1394514	Rock	31.5	0.2	0.05	<0.005	<1	<0.5	<0.5
1394515	Rock	29.9	0.4	0.08	<0.005	<1	<0.5	<0.5
1394516	Rock	32.4	0.6	<0.05	<0.005	<1	<0.5	<0.5
1394517	Rock	54.1	1.5	<0.05	<0.005	<1	<0.5	0.6
1394518	Rock	64.9	1.2	<0.05	<0.005	<1	<0.5	0.6
1394519	Rock	70.2	1.2	<0.05	<0.005	<1	<0.5	0.6
1394520	Rock	55.4	1.7	0.10	<0.005	2	<0.5	0.6
1394521	Rock Pulp	25.7	1.0	<0.05	<0.005	<1	<0.5	<0.5
1394522	Rock	45.6	1.2	0.10	<0.005	<1	<0.5	0.6
1394523	Rock	41.2	1.4	0.05	<0.005	2	<0.5	<0.5
1394524	Rock	57.3	1.1	<0.05	<0.005	1	<0.5	<0.5
1394525	Rock	56.0	0.9	0.10	<0.005	<1	<0.5	0.5
1394526	Rock	61.9	1.1	0.10	<0.005	<1	<0.5	0.7
1394527	Rock	65.4	0.7	<0.05	0.009	<1	<0.5	<0.5
1394528	Rock	37.8	0.7	<0.05	<0.005	<1	<0.5	<0.5
1394529	Rock	41.0	0.7	0.10	<0.005	<1	<0.5	<0.5
1394530	Rock	40.6	0.6	0.07	0.006	1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394531	Rock	1.38	0.009	1.1	24.5	7.7	130	0.2	18.5	24.8	1429	5.10	9	0.9	2.0	140	0.2	0.4	0.2	196	4.15
1394532	Rock	1.36	0.012	1.6	42.9	6.6	119	0.2	11.2	25.7	1190	6.03	9	1.0	2.4	95	<0.1	0.4	0.1	195	3.24
1394533	Rock	1.33	0.017	1.5	74.5	6.6	130	0.3	10.7	24.6	1350	6.89	7	1.2	2.3	97	<0.1	0.5	0.2	220	3.66
1394534	Rock	1.66	0.016	0.9	86.5	9.9	139	0.4	20.8	31.0	1397	6.14	12	0.9	1.9	122	0.3	1.0	0.2	279	4.33
1394535	Rock	1.53	0.008	1.6	43.7	12.1	116	0.2	19.9	28.5	1381	5.55	5	0.6	1.4	176	0.3	1.0	0.1	232	5.24
1394536	Rock	1.48	0.007	1.0	41.8	9.1	100	0.1	16.8	30.5	1393	5.78	7	0.7	1.5	175	<0.1	1.1	<0.1	269	5.11
1394537	Rock	1.70	0.011	1.5	73.2	9.9	181	0.2	30.0	40.5	1655	6.90	7	0.6	1.2	125	0.4	1.1	0.1	365	5.13
1394538	Rock	2.17	0.011	1.1	62.7	8.5	310	0.3	31.9	31.0	1639	5.76	8	0.4	0.6	98	0.7	0.5	0.2	223	3.92
1394539	Rock	2.35	0.015	1.6	58.8	9.3	148	0.3	19.2	29.7	1273	5.97	8	0.5	1.4	77	0.5	0.6	0.4	249	3.43
1394540	Rock	1.96	0.015	1.1	63.5	8.8	151	0.3	20.2	31.9	1322	5.66	11	0.4	1.0	79	0.3	0.4	0.4	226	3.65
1394541	Rock Pulp	0.12	<0.005	2.8	27.8	5.1	62	1.6	31.1	15.9	760	3.39	6	0.6	1.8	305	0.6	0.9	<0.1	121	2.74
1394542	Rock	1.88	0.012	1.7	53.1	11.7	134	0.3	12.0	23.0	1298	5.88	6	0.8	2.1	97	0.4	0.4	0.6	196	3.46
1394543	Rock	1.64	0.021	2.0	28.0	7.9	141	0.3	14.7	35.4	1367	6.79	7	0.6	1.6	71	0.3	0.3	0.5	196	3.09
1394551	Rock	0.62	0.356	1.0	138.8	35.1	222	0.6	40.8	36.0	1477	6.12	13	0.4	0.7	44	0.6	1.1	0.1	262	0.17
1394552	Rock	2.33	0.018	0.4	85.6	24.1	165	0.5	23.0	25.8	1508	5.26	8	0.4	2.3	52	0.4	0.6	0.2	197	2.12
1394553	Rock	2.62	0.012	0.6	44.7	18.2	157	0.4	17.8	22.3	1347	5.33	9	0.5	2.5	50	0.4	0.6	0.2	162	1.48
1394554	Rock	1.43	0.013	0.6	35.2	15.2	139	0.2	14.8	18.4	1630	4.94	9	0.4	2.7	61	0.3	0.4	0.2	144	2.26
1394555	Rock	1.66	0.009	0.7	67.9	15.6	139	0.3	15.5	20.2	1459	4.78	7	0.6	2.7	93	0.1	0.4	0.2	152	3.06
1394556	Rock	2.53	1.066	0.9	61.9	10.7	130	0.4	18.4	21.3	1505	4.81	9	0.6	2.8	77	0.2	0.4	0.2	154	3.32
1394557	Rock	2.67	0.171	1.0	26.6	13.1	106	0.6	17.2	20.9	1549	4.77	8	0.4	2.4	130	0.3	0.3	0.3	143	4.35
1394558	Rock	2.24	0.014	0.5	24.0	8.5	100	0.2	19.1	23.1	1338	4.84	6	0.6	2.3	102	<0.1	0.2	0.2	142	3.38
1394559	Rock	2.90	0.011	0.4	28.5	9.9	104	0.2	14.0	20.8	1275	4.65	5	0.5	2.1	105	0.2	0.3	0.3	144	3.41
1394560	Rock	2.50	0.012	0.4	49.4	14.9	159	0.3	10.9	21.4	1555	4.83	7	0.5	2.4	134	0.9	0.8	0.4	204	4.40
1394561	Rock Pulp	0.12	2.116	3.7	38.5	9.5	68	1.0	35.6	16.2	783	4.00	11	0.7	1.9	293	0.5	3.3	0.3	127	2.63
1394562	Rock	1.95	0.014	0.8	73.1	19.3	193	0.3	12.6	23.3	1568	5.42	5	0.4	1.7	138	1.5	0.5	0.3	208	4.85
1394563	Rock	2.33	0.012	0.7	33.5	9.4	87	0.2	10.9	23.2	1427	5.09	7	0.5	2.2	102	0.3	0.4	0.2	171	3.74
1394564	Rock	1.86	0.010	1.1	19.0	16.5	100	0.2	12.1	15.2	920	4.35	6	1.2	4.8	158	0.4	0.5	0.1	98	3.85
1394565	Rock	2.01	0.030	1.2	55.5	12.0	133	0.7	16.7	25.2	1196	5.56	6	0.6	2.1	115	0.2	0.4	0.3	176	3.59
1394566	Rock	2.23	0.040	1.1	66.0	12.0	109	0.6	12.3	19.2	1378	5.33	4	0.4	1.9	108	0.2	0.5	0.3	185	3.81
1394567	Rock	2.02	0.042	1.3	44.2	18.5	187	0.7	17.0	15.7	658	4.13	23	1.1	4.2	65	0.7	1.1	0.5	144	1.28

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1394531	Rock	0.053	7.7	25	2.80	329	0.106	7.65	2.343	1.33	8.3	10.5	18	0.8	6.7	0.6	<0.1	1	26	29.7	1.0
1394532	Rock	0.062	9.7	14	2.49	42	0.118	7.05	2.285	1.18	6.5	14.0	23	0.7	6.3	0.6	<0.1	<1	23	25.7	2.5
1394533	Rock	0.069	9.0	15	2.69	42	0.166	7.22	1.907	1.13	5.0	13.6	22	0.9	6.7	0.9	<0.1	1	23	28.4	3.1
1394534	Rock	0.043	7.1	31	2.94	128	0.243	7.58	1.146	1.52	32.0	12.9	17	0.7	7.2	1.1	<0.1	<1	27	39.9	1.6
1394535	Rock	0.039	7.4	26	2.78	1252	0.211	8.22	1.547	1.21	2.8	6.0	15	0.6	11.9	1.1	<0.1	<1	26	32.2	0.6
1394536	Rock	0.041	6.7	20	2.68	766	0.248	7.76	2.069	0.76	4.2	7.4	15	0.5	10.5	1.0	<0.1	<1	27	40.4	0.5
1394537	Rock	0.033	4.9	41	3.60	600	0.227	8.30	0.937	1.31	2.7	4.9	11	0.5	7.5	1.0	<0.1	1	34	44.2	1.0
1394538	Rock	0.029	3.2	35	4.02	687	0.109	8.82	1.520	1.64	0.9	3.2	8	0.5	4.6	0.3	<0.1	<1	31	63.3	1.2
1394539	Rock	0.038	4.8	21	2.82	100	0.107	7.90	1.318	1.80	1.9	5.5	12	0.8	5.2	0.5	<0.1	<1	27	42.6	2.4
1394540	Rock	0.033	3.7	26	2.86	123	0.088	7.97	1.510	1.70	4.0	3.4	9	0.4	5.4	0.3	<0.1	<1	27	32.8	2.0
1394541	Rock Pulp	0.061	8.6	51	1.39	474	0.395	6.46	2.339	0.85	23.7	26.8	19	0.8	15.7	4.1	0.3	<1	16	15.1	<0.1
1394542	Rock	0.053	6.5	17	2.01	93	0.093	7.08	1.213	1.75	8.8	9.4	16	0.9	9.0	0.5	<0.1	<1	21	22.5	2.5
1394543	Rock	0.057	5.3	18	2.44	53	0.083	7.20	0.968	1.87	115.2	7.7	13	0.8	8.3	0.3	<0.1	1	20	25.1	3.7
1394551	Rock	0.019	1.8	67	3.47	1066	0.106	7.88	1.276	1.74	1.7	8.6	5	0.5	3.0	0.8	<0.1	1	31	50.9	<0.1
1394552	Rock	0.057	8.6	36	2.73	2061	0.101	8.04	1.112	1.83	1.4	11.6	19	0.8	6.3	0.5	<0.1	1	25	40.1	0.2
1394553	Rock	0.074	8.4	31	2.51	763	0.096	7.46	1.066	2.07	1.7	13.2	20	0.9	7.7	0.7	<0.1	1	20	30.3	0.4
1394554	Rock	0.073	9.4	25	2.28	1020	0.077	7.33	1.129	1.81	1.6	14.4	21	0.8	9.0	0.4	<0.1	<1	19	25.7	0.4
1394555	Rock	0.070	9.5	26	1.94	815	0.070	7.57	1.471	1.73	1.5	11.7	23	1.0	11.7	0.6	<0.1	<1	19	23.1	0.4
1394556	Rock	0.066	9.2	40	1.80	326	0.072	7.79	1.124	2.30	1.2	13.0	22	0.9	9.2	0.3	<0.1	1	21	25.3	0.7
1394557	Rock	0.057	8.1	32	2.23	99	0.070	6.73	0.733	2.31	1.6	15.1	20	0.9	9.0	0.4	<0.1	1	18	16.0	1.7
1394558	Rock	0.060	7.3	36	2.33	124	0.068	6.99	0.929	1.87	1.2	14.2	18	1.0	6.4	0.3	<0.1	1	19	22.5	1.6
1394559	Rock	0.061	7.4	26	1.99	277	0.061	6.69	1.053	1.61	1.6	9.8	18	0.8	7.2	0.4	<0.1	<1	17	22.7	1.2
1394560	Rock	0.056	8.3	13	2.30	546	0.074	8.22	1.734	1.73	1.0	9.2	20	0.9	8.9	0.3	<0.1	1	22	24.2	1.0
1394561	Rock Pulp	0.062	9.7	52	1.44	507	0.388	6.57	2.345	0.88	26.0	28.1	20	1.3	16.1	4.0	0.3	<1	16	18.1	<0.1
1394562	Rock	0.052	7.2	15	2.16	162	0.070	7.77	1.580	1.60	0.9	6.2	16	0.7	8.6	0.3	<0.1	<1	24	23.6	1.4
1394563	Rock	0.052	7.6	17	2.09	60	0.065	6.96	1.254	1.70	0.9	11.3	18	0.9	7.1	0.3	<0.1	<1	20	20.2	1.8
1394564	Rock	0.083	17.0	23	1.63	362	0.068	6.63	0.745	1.75	1.1	15.8	37	0.9	10.3	0.8	<0.1	1	18	20.8	0.6
1394565	Rock	0.058	6.9	29	2.03	49	0.073	6.84	0.886	1.75	1.1	10.3	17	0.9	7.8	0.4	<0.1	<1	24	19.1	2.8
1394566	Rock	0.051	5.1	13	2.10	54	0.079	6.46	1.441	1.47	2.1	10.3	14	0.9	8.0	0.5	<0.1	<1	25	17.7	3.2
1394567	Rock	0.078	13.7	32	1.91	121	0.093	6.40	0.932	1.99	2.0	20.2	30	1.8	6.1	0.9	<0.1	2	18	19.4	1.2

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Project: KSD
Report Date: October 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394531	Rock	45.6	0.3	0.11	<0.005	<1	<0.5	<0.5
1394532	Rock	43.7	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394533	Rock	41.6	0.4	0.05	<0.005	<1	<0.5	<0.5
1394534	Rock	48.9	0.4	0.06	<0.005	1	0.5	<0.5
1394535	Rock	44.4	0.2	<0.05	<0.005	1	0.8	<0.5
1394536	Rock	29.9	0.3	0.08	<0.005	<1	<0.5	<0.5
1394537	Rock	44.2	0.1	0.06	<0.005	<1	0.8	<0.5
1394538	Rock	28.8	<0.1	<0.05	<0.005	<1	0.6	<0.5
1394539	Rock	51.3	0.2	<0.05	0.008	2	<0.5	<0.5
1394540	Rock	40.4	<0.1	0.05	<0.005	3	<0.5	<0.5
1394541	Rock Pulp	18.5	1.0	0.07	<0.005	<1	<0.5	<0.5
1394542	Rock	54.9	0.3	<0.05	<0.005	2	<0.5	<0.5
1394543	Rock	59.3	0.2	0.12	<0.005	4	<0.5	<0.5
1394551	Rock	22.8	0.2	0.06	<0.005	<1	<0.5	<0.5
1394552	Rock	59.5	0.3	0.07	<0.005	<1	<0.5	<0.5
1394553	Rock	61.0	0.3	<0.05	<0.005	<1	0.5	0.5
1394554	Rock	60.0	0.3	0.06	<0.005	<1	<0.5	<0.5
1394555	Rock	55.4	0.3	<0.05	<0.005	<1	<0.5	<0.5
1394556	Rock	69.6	0.4	0.07	<0.005	1	<0.5	<0.5
1394557	Rock	72.7	0.4	<0.05	<0.005	<1	0.8	<0.5
1394558	Rock	54.5	0.4	<0.05	<0.005	1	0.5	<0.5
1394559	Rock	53.1	0.3	0.07	<0.005	<1	<0.5	<0.5
1394560	Rock	49.6	0.2	0.11	<0.005	<1	<0.5	<0.5
1394561	Rock Pulp	22.1	0.8	<0.05	<0.005	<1	<0.5	<0.5
1394562	Rock	51.3	0.2	0.07	<0.005	<1	<0.5	<0.5
1394563	Rock	54.2	0.4	0.06	<0.005	<1	<0.5	<0.5
1394564	Rock	52.9	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394565	Rock	54.4	0.3	<0.05	<0.005	1	0.5	<0.5
1394566	Rock	52.7	0.3	0.09	<0.005	1	<0.5	<0.5
1394567	Rock	73.2	0.6	<0.05	<0.005	1	<0.5	0.5

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394568	Rock	2.56	0.042	1.9	35.3	18.6	117	0.5	21.9	12.4	651	2.47	14	0.7	4.9	31	1.2	0.9	0.2	92	0.36
1394569	Rock	5.47	1.366	1.3	46.0	47.8	185	1.4	21.1	21.4	558	3.91	150	2.6	6.1	63	1.1	1.2	0.8	105	0.24
1394570	Rock	2.25	0.672	1.3	39.9	25.4	119	0.8	12.3	8.9	193	3.52	219	1.8	5.6	67	0.5	1.7	0.4	97	0.22
1394571	Rock	2.76	0.167	0.8	37.6	33.6	314	0.6	15.5	10.6	215	3.47	160	1.5	6.8	67	1.6	1.8	<0.1	109	0.30
1394572	Rock	2.67	0.056	1.1	32.2	53.1	266	0.5	13.3	10.2	494	2.78	28	1.0	5.3	69	1.9	0.9	0.2	89	1.40
1394573	Rock	2.28	0.019	2.0	22.7	19.0	124	0.4	23.4	9.0	287	2.32	13	1.5	6.5	43	0.7	0.7	<0.1	85	0.80
1394574	Rock	2.38	0.177	2.0	26.6	18.4	129	0.5	24.4	9.7	364	2.67	14	2.1	7.0	60	0.5	0.8	<0.1	94	1.26
1394575	Rock	2.72	0.091	2.4	26.9	18.7	130	0.4	25.0	10.0	360	2.61	15	2.1	6.5	59	0.7	0.7	<0.1	94	1.26
1394576	Rock	2.28	0.026	1.5	24.8	21.8	132	0.3	26.3	9.4	467	2.40	13	1.9	7.1	71	1.0	0.6	<0.1	86	1.97
1394577	Rock	1.88	1.053	1.8	27.2	40.7	181	0.4	24.0	9.5	510	2.56	28	1.4	6.5	74	2.1	0.9	0.4	94	1.88
1394578	Rock	2.15	0.182	2.4	33.8	39.9	204	0.5	15.6	12.0	419	3.74	15	1.2	5.0	53	2.0	1.5	0.6	103	1.12
1394579	Rock	2.51	0.098	1.9	31.9	29.1	178	0.8	13.4	11.8	223	3.14	16	1.0	3.8	37	0.7	1.3	0.2	89	0.51
1394580	Rock	2.41	0.076	2.9	84.6	82.3	364	1.1	15.1	17.0	467	4.59	13	1.1	3.9	58	1.5	0.9	0.2	135	0.99
1394581	Rock Pulp	0.06	<0.005	2.9	28.2	5.1	60	0.4	33.3	16.0	789	3.64	7	0.6	1.9	315	<0.1	0.7	<0.1	130	2.81
1394582	Rock	2.67	0.052	1.8	81.8	92.8	329	1.1	13.0	16.3	725	4.67	9	1.2	5.5	77	1.7	0.6	0.2	136	1.75
1394583	Rock	2.33	0.163	2.3	90.7	199.4	480	1.6	13.6	16.4	751	4.35	9	1.0	3.6	155	5.4	1.0	0.3	143	2.32
1394584	Rock	2.39	0.089	1.1	211.9	130.7	1216	1.7	15.5	22.7	1126	5.86	7	1.1	3.6	69	5.8	0.6	0.2	209	1.74
1394585	Rock	2.05	0.043	1.4	86.3	236.4	833	1.2	12.6	23.2	1279	5.80	6	0.8	3.2	79	3.8	0.7	0.5	177	2.13
1394586	Rock	1.91	0.018	1.2	35.9	63.2	235	0.4	12.0	12.5	804	4.45	5	1.6	4.9	86	1.7	0.5	0.3	113	1.54
1394587	Rock	2.30	0.010	1.1	20.4	40.4	150	0.3	9.7	11.5	812	4.17	3	1.3	5.6	80	1.0	0.3	<0.1	95	1.70
1394588	Rock	2.44	0.007	2.2	35.7	30.9	156	0.4	12.8	18.7	927	5.14	4	0.8	3.0	67	1.1	0.7	0.3	161	1.15
1394589	Rock	1.93	0.012	0.7	53.5	15.7	218	0.5	16.6	17.8	1080	5.64	6	0.5	1.6	57	1.0	0.4	<0.1	182	1.10
1394590	Rock	2.14	0.034	2.0	73.0	16.4	204	0.6	16.3	20.7	927	6.53	7	0.8	1.3	52	1.0	0.5	0.2	232	0.47
1394591	Rock	1.46	0.020	1.6	54.4	41.8	355	0.4	12.0	13.8	654	5.19	8	1.1	2.0	74	2.1	0.5	<0.1	181	0.58
1394592	Rock	1.04	0.029	2.0	69.0	66.6	345	0.6	14.3	19.7	728	5.33	8	0.9	2.5	70	3.1	0.6	<0.1	161	0.87
1394593	Rock	1.53	0.080	1.9	67.6	74.5	349	0.6	14.0	19.8	729	5.02	9	0.9	2.9	71	3.6	0.5	0.1	151	1.03
1394594	Rock	1.36	0.028	2.2	61.6	72.7	332	0.7	13.8	22.8	736	5.16	8	0.9	2.5	64	3.8	0.6	0.2	134	1.29
1394595	Rock	3.01	0.027	0.6	23.2	49.5	235	0.4	13.3	20.8	898	4.60	17	1.0	2.6	95	1.7	0.5	0.2	116	2.74
1394596	Rock	3.92	0.043	0.9	22.1	49.5	172	0.4	12.9	20.5	784	4.72	14	1.0	3.3	89	1.8	0.4	0.2	84	2.56
1394597	Rock	2.40	0.331	0.7	16.1	41.9	192	0.2	9.6	14.0	777	3.92	12	1.3	3.0	90	1.6	0.4	0.1	101	2.52

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1
1394568	Rock	0.064	13.8	36	0.68	966	0.080	4.07	0.507	1.75	3.5	13.5	30	1.4	5.8	1.3	<0.1	2	11	11.5	0.3
1394569	Rock	0.094	16.4	38	1.04	3568	0.079	6.20	1.115	2.30	1.6	17.3	37	1.8	7.7	0.6	<0.1	1	16	40.9	<0.1
1394570	Rock	0.081	17.5	38	0.85	3991	0.073	5.97	0.772	2.54	1.6	17.0	38	1.7	4.8	0.6	<0.1	1	16	30.1	0.1
1394571	Rock	0.071	17.2	54	1.06	156	0.109	5.73	0.670	2.54	2.1	17.1	39	1.5	4.9	1.4	<0.1	1	16	26.0	0.7
1394572	Rock	0.065	16.0	36	1.08	121	0.097	5.19	0.645	1.92	3.8	14.0	34	1.2	4.8	1.3	<0.1	1	13	15.7	0.7
1394573	Rock	0.082	17.4	42	0.91	290	0.095	5.26	0.229	2.55	2.6	14.2	37	2.1	4.9	1.1	<0.1	2	9	12.6	0.5
1394574	Rock	0.091	19.7	44	1.02	210	0.103	5.72	0.389	2.50	3.6	17.7	43	1.9	6.4	1.4	<0.1	2	11	13.1	0.6
1394575	Rock	0.095	18.9	43	1.07	165	0.101	5.76	0.330	2.51	2.6	17.3	42	2.1	6.1	1.2	<0.1	2	11	11.5	0.6
1394576	Rock	0.086	22.0	43	0.94	677	0.103	5.87	0.688	2.26	2.6	16.9	44	1.8	6.5	1.6	<0.1	1	10	8.0	0.4
1394577	Rock	0.097	20.0	45	0.92	167	0.098	5.75	0.370	2.80	3.0	15.2	40	1.5	6.4	1.2	<0.1	2	11	7.1	0.6
1394578	Rock	0.080	14.2	43	1.15	65	0.092	6.11	0.606	2.69	3.8	21.0	34	1.6	5.6	1.1	<0.1	2	16	8.6	1.3
1394579	Rock	0.076	9.5	44	0.94	54	0.090	4.76	0.626	2.33	3.4	23.3	26	1.3	4.9	0.9	<0.1	2	13	7.5	1.3
1394580	Rock	0.073	9.5	36	1.83	47	0.088	6.02	0.716	2.38	3.7	21.2	26	1.1	4.7	0.9	<0.1	2	17	15.7	1.8
1394581	Rock Pulp	0.065	9.0	56	1.42	507	0.419	6.48	2.517	0.88	21.7	28.7	19	0.8	15.7	4.4	0.3	1	15	16.9	<0.1
1394582	Rock	0.075	17.3	39	2.41	93	0.093	6.81	1.143	1.76	1.8	21.8	38	1.0	8.5	1.1	<0.1	1	18	21.5	1.2
1394583	Rock	0.067	10.9	33	1.67	50	0.094	6.30	0.689	2.13	2.1	20.8	27	1.2	8.6	1.1	<0.1	2	18	17.3	1.7
1394584	Rock	0.074	12.4	29	3.44	56	0.083	7.75	1.604	1.48	1.4	21.3	28	0.8	7.5	0.6	<0.1	<1	25	30.9	1.9
1394585	Rock	0.070	10.2	26	3.53	82	0.082	7.48	1.573	1.45	1.3	15.1	24	0.9	8.5	0.6	<0.1	<1	21	30.6	1.9
1394586	Rock	0.082	15.3	34	2.60	209	0.070	6.68	1.200	1.52	2.5	15.0	34	1.2	9.8	0.9	<0.1	1	17	23.7	0.8
1394587	Rock	0.082	19.6	32	2.38	283	0.065	6.87	1.338	1.44	2.0	15.1	40	1.1	10.9	0.7	<0.1	2	17	21.2	0.7
1394588	Rock	0.069	8.5	29	3.45	168	0.077	6.89	1.420	1.34	2.2	14.6	20	1.0	6.6	0.7	<0.1	1	18	30.9	1.1
1394589	Rock	0.062	5.8	30	4.72	420	0.064	7.28	1.387	0.82	1.7	14.7	14	0.6	4.8	0.4	<0.1	<1	21	39.5	0.9
1394590	Rock	0.060	4.5	25	5.27	198	0.087	7.70	1.445	0.85	1.7	17.2	11	0.8	3.2	0.5	<0.1	<1	21	49.9	1.5
1394591	Rock	0.068	5.5	23	3.57	172	0.083	6.28	1.006	1.27	1.3	17.4	15	0.9	3.8	0.6	<0.1	<1	17	34.9	0.8
1394592	Rock	0.064	6.7	28	3.14	44	0.077	6.20	1.062	1.29	1.5	17.6	17	0.8	5.5	1.0	<0.1	1	17	29.7	1.7
1394593	Rock	0.062	7.4	26	2.76	40	0.075	6.24	1.079	1.41	1.3	17.6	20	0.7	6.4	0.6	<0.1	<1	17	24.8	1.9
1394594	Rock	0.047	5.3	25	2.20	27	0.076	5.76	1.086	1.43	1.1	20.6	15	0.9	7.5	0.8	<0.1	1	16	18.5	2.9
1394595	Rock	0.053	7.1	17	1.76	37	0.083	6.30	1.215	1.64	1.0	24.4	18	0.9	10.1	0.7	<0.1	1	15	16.9	2.7
1394596	Rock	0.078	9.9	17	1.87	45	0.074	5.95	1.166	1.38	1.2	17.2	23	0.8	10.3	0.9	<0.1	<1	14	17.9	2.4
1394597	Rock	0.061	9.3	19	1.66	57	0.085	5.98	0.960	1.68	0.9	19.4	21	1.0	8.8	0.8	<0.1	<1	14	16.7	1.7

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Project: KSD
Report Date: October 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394568	Rock	64.3	0.5	<0.05	<0.005	<1	<0.5	0.5
1394569	Rock	78.9	0.5	0.07	<0.005	<1	<0.5	0.7
1394570	Rock	87.1	0.5	<0.05	<0.005	1	<0.5	0.9
1394571	Rock	87.5	0.5	<0.05	<0.005	<1	<0.5	0.9
1394572	Rock	71.9	0.4	<0.05	<0.005	<1	<0.5	0.5
1394573	Rock	82.6	0.4	<0.05	<0.005	<1	<0.5	0.7
1394574	Rock	86.5	0.4	<0.05	<0.005	<1	<0.5	0.7
1394575	Rock	83.7	0.6	0.06	<0.005	<1	<0.5	0.7
1394576	Rock	72.2	0.6	0.07	<0.005	<1	<0.5	0.7
1394577	Rock	94.0	0.4	<0.05	<0.005	<1	<0.5	0.8
1394578	Rock	89.9	0.6	0.09	<0.005	2	<0.5	0.9
1394579	Rock	76.8	0.5	0.08	<0.005	2	<0.5	0.9
1394580	Rock	74.0	0.6	0.12	<0.005	1	<0.5	0.9
1394581	Rock Pulp	18.7	1.1	<0.05	<0.005	1	<0.5	<0.5
1394582	Rock	61.3	0.6	0.06	<0.005	<1	<0.5	0.6
1394583	Rock	70.6	0.6	0.08	<0.005	5	<0.5	0.6
1394584	Rock	50.8	0.6	0.07	<0.005	2	<0.5	<0.5
1394585	Rock	33.8	0.4	0.15	<0.005	2	0.5	<0.5
1394586	Rock	43.5	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394587	Rock	48.8	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394588	Rock	28.8	0.4	0.08	<0.005	2	<0.5	<0.5
1394589	Rock	11.2	0.4	0.06	<0.005	1	<0.5	<0.5
1394590	Rock	8.9	0.5	<0.05	0.005	2	0.7	<0.5
1394591	Rock	18.1	0.6	0.12	<0.005	2	<0.5	<0.5
1394592	Rock	37.3	0.5	0.07	0.005	3	<0.5	<0.5
1394593	Rock	50.8	0.4	0.07	<0.005	5	<0.5	<0.5
1394594	Rock	51.1	0.5	0.10	<0.005	4	<0.5	<0.5
1394595	Rock	55.6	0.7	<0.05	<0.005	4	<0.5	<0.5
1394596	Rock	47.2	0.6	<0.05	<0.005	3	<0.5	<0.5
1394597	Rock	58.0	0.5	0.06	<0.005	3	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394598	Rock	2.12	0.028	1.0	22.6	37.6	180	0.3	14.7	24.8	718	5.28	14	1.3	3.1	75	1.2	0.4	0.1	101	2.40
1394601	Rock	1.04	0.171	0.7	122.9	34.7	196	0.6	42.4	34.8	1615	5.57	17	0.4	1.5	82	0.3	2.7	<0.1	224	2.68
1394602	Rock	3.38	0.016	0.9	95.5	25.8	182	0.6	47.6	34.2	1569	4.84	20	0.2	0.9	117	0.6	4.6	<0.1	174	5.95
1394603	Rock	2.06	0.009	0.8	30.3	33.2	141	0.3	54.8	39.4	1493	5.21	8	0.2	0.7	120	0.8	1.0	<0.1	213	6.17
1394604	Rock	2.84	0.170	0.4	32.0	28.2	99	0.3	48.5	37.6	1546	4.94	6	0.2	0.5	160	0.6	0.7	0.1	191	7.81
1394605	Rock	1.87	0.042	0.7	55.1	16.5	171	0.4	21.8	25.0	1413	5.15	8	0.5	1.7	119	0.7	0.4	0.2	212	4.76
1394606	Rock	2.03	0.053	1.0	30.6	14.6	143	0.3	15.4	21.1	1614	4.98	7	0.9	2.8	112	0.4	0.5	0.2	152	3.38
1394607	Rock	2.64	0.006	0.4	47.7	16.2	155	0.2	15.4	23.7	1527	5.02	6	0.8	2.6	141	0.2	0.6	0.2	156	4.10
1394608	Rock	2.42	0.007	0.6	52.8	15.0	162	0.3	18.2	23.2	1334	5.34	9	1.1	3.0	127	0.2	0.5	0.3	178	3.23
1394609	Rock	2.88	0.012	0.8	61.9	11.4	168	0.2	22.3	23.1	1392	5.24	8	0.9	2.9	100	<0.1	0.6	0.2	175	3.18
1394610	Rock	2.42	0.008	1.0	28.9	9.1	131	0.2	20.1	22.2	1549	5.22	7	0.9	2.5	88	0.1	0.4	0.2	165	3.57
1394611	Rock	2.86	0.013	1.0	30.5	9.1	149	0.4	20.6	23.2	1488	5.13	6	0.6	3.0	108	0.4	0.3	0.2	169	3.60
1394612	Rock	1.94	0.700	1.1	37.8	14.4	161	0.6	18.0	20.7	1398	4.74	11	0.6	2.4	87	0.5	0.6	0.2	155	2.98
1394613	Rock	2.18	0.029	0.5	38.1	9.8	153	0.3	17.2	19.9	1157	4.96	7	0.7	3.2	101	0.2	0.4	0.2	166	2.88
1394614	Rock	2.43	0.036	0.6	103.0	15.8	146	0.4	15.3	21.1	935	5.32	13	0.7	2.4	77	0.4	0.7	0.4	149	2.09
1394615	Rock	2.75	0.017	0.5	101.0	20.5	130	0.6	10.6	18.4	982	5.31	11	0.7	2.5	86	0.2	0.7	0.4	138	2.49
1394616	Rock	2.07	0.032	0.7	123.7	24.0	108	1.3	8.1	20.5	1239	5.88	78	0.6	2.5	110	0.4	1.2	0.4	161	3.37
1394617	Rock	2.27	0.170	0.6	70.3	20.2	180	1.3	15.1	24.6	1186	5.60	831	0.6	2.4	115	0.7	4.4	0.3	183	3.09
1394618	Rock	2.28	0.064	0.7	53.5	11.7	188	0.7	15.6	22.0	1143	4.99	260	0.5	2.1	119	0.7	1.4	0.3	178	3.57
1394619	Rock	2.54	0.017	0.6	57.3	8.8	168	0.3	14.7	23.9	1290	5.41	20	0.5	2.0	81	0.3	0.6	0.3	174	3.10
1394620	Rock	2.52	0.012	0.5	30.6	8.6	161	0.3	15.1	22.6	1322	5.41	13	0.8	2.1	96	0.3	0.5	0.3	171	3.31
1394621	Rock Pulp	0.12	1.939	3.4	35.3	9.1	70	0.3	34.0	15.6	809	4.17	11	0.6	1.7	270	0.2	3.1	0.2	138	2.74
1394622	Rock	2.26	0.013	0.8	46.2	8.8	197	0.2	18.8	19.7	1407	5.11	9	0.5	2.3	94	0.5	0.4	0.2	161	3.19
1394623	Rock	1.92	0.016	1.5	15.5	10.2	134	0.2	15.0	22.1	1670	5.73	36	0.4	2.1	68	0.2	0.5	0.4	165	1.94
1394624	Rock	1.66	0.079	0.8	18.2	9.4	114	0.3	12.3	13.7	1415	4.56	32	0.4	1.9	125	0.3	0.4	0.2	135	3.07
1394625	Rock	1.73	0.081	0.8	18.7	8.6	114	0.2	11.9	14.1	1601	4.65	21	0.4	1.8	143	0.3	0.3	0.2	137	3.80
1394626	Rock	0.92	0.023	1.1	36.1	8.6	152	0.3	15.6	15.8	1622	4.94	11	0.5	2.1	104	0.4	0.4	0.4	166	3.49
1394627	Rock	1.66	0.281	0.8	29.2	8.5	139	0.3	13.2	15.4	1588	4.86	9	0.7	2.3	102	0.3	0.3	0.4	159	3.49
1394628	Rock	2.54	0.142	1.0	22.6	8.8	122	0.2	12.5	12.9	1588	4.74	10	0.7	2.0	99	0.3	0.3	0.3	165	3.43
1394629	Rock	2.54	0.279	1.0	23.0	8.5	109	0.2	12.3	16.3	1534	4.75	12	0.7	2.1	95	0.2	0.3	0.3	147	3.47

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1
1394598	Rock	0.064	8.3	19	1.46	38	0.077	6.06	1.008	1.75	0.9	30.3	20	1.2	8.8	0.9	<0.1	<1	14	14.0	3.9
1394601	Rock	0.020	7.3	66	3.47	1222	0.085	9.05	1.325	1.91	1.4	8.4	16	0.5	6.5	0.4	<0.1	1	32	44.7	<0.1
1394602	Rock	0.018	3.6	81	3.55	1031	0.075	8.14	1.050	1.46	1.7	5.0	7	0.4	4.4	0.4	<0.1	<1	31	40.5	0.1
1394603	Rock	0.016	3.1	92	3.39	1219	0.077	8.70	1.287	1.76	0.9	4.3	7	0.3	4.7	0.2	<0.1	<1	35	38.9	<0.1
1394604	Rock	0.013	3.1	87	2.85	1335	0.057	8.15	0.952	1.87	1.1	3.2	6	0.4	4.9	0.2	<0.1	<1	34	31.4	0.3
1394605	Rock	0.047	6.3	28	2.70	614	0.080	7.92	1.537	2.05	1.4	8.2	14	0.4	7.9	0.3	<0.1	<1	23	25.5	1.0
1394606	Rock	0.071	9.0	26	2.00	326	0.075	7.14	1.333	1.75	1.8	11.2	21	0.9	11.8	0.6	<0.1	<1	17	21.9	0.9
1394607	Rock	0.071	8.8	26	2.12	596	0.065	7.31	1.565	1.44	1.1	9.4	20	0.8	13.4	0.3	<0.1	<1	19	25.7	0.8
1394608	Rock	0.080	11.5	31	2.47	485	0.071	8.03	1.282	1.85	1.1	11.1	26	1.1	14.7	0.4	<0.1	1	20	28.1	0.9
1394609	Rock	0.073	9.8	46	2.68	373	0.072	7.65	1.291	1.72	1.4	14.4	23	0.9	12.8	0.4	<0.1	2	19	30.8	1.0
1394610	Rock	0.062	9.7	41	2.53	167	0.067	6.99	0.902	1.88	1.7	14.1	23	0.9	10.9	0.6	<0.1	1	18	34.0	1.4
1394611	Rock	0.068	10.1	38	2.57	145	0.072	7.42	0.813	2.33	1.7	15.1	23	0.9	9.4	0.3	<0.1	1	18	25.8	1.3
1394612	Rock	0.063	8.0	36	1.81	336	0.065	7.20	1.189	2.10	1.8	10.6	19	0.8	8.4	0.3	<0.1	2	18	26.3	0.8
1394613	Rock	0.072	11.7	31	2.02	204	0.071	7.57	1.261	2.15	1.9	10.8	27	1.0	7.6	0.4	<0.1	<1	19	30.4	1.0
1394614	Rock	0.088	9.0	26	2.07	140	0.081	7.91	1.648	1.99	1.8	11.9	22	1.0	7.8	0.4	<0.1	<1	19	35.2	1.4
1394615	Rock	0.084	7.8	21	1.89	100	0.084	7.45	1.278	2.17	1.6	11.6	20	1.1	9.8	0.4	<0.1	<1	19	44.9	1.5
1394616	Rock	0.088	9.1	14	1.90	70	0.087	7.37	0.799	2.41	1.6	10.2	22	1.0	10.1	0.6	<0.1	1	21	52.3	2.1
1394617	Rock	0.086	8.0	29	2.30	88	0.154	8.05	1.238	2.52	2.3	9.0	21	0.8	10.0	1.0	<0.1	<1	21	48.6	2.1
1394618	Rock	0.086	7.5	30	2.27	143	0.140	7.32	1.709	1.74	2.6	8.2	19	1.0	8.4	0.8	<0.1	<1	20	54.4	1.6
1394619	Rock	0.073	7.1	25	2.35	95	0.086	7.31	1.470	1.73	1.6	10.9	18	1.0	8.4	0.7	<0.1	<1	19	36.3	1.7
1394620	Rock	0.069	7.0	28	2.39	109	0.074	7.45	1.247	1.87	1.2	12.1	18	1.0	9.4	0.4	<0.1	<1	20	44.8	1.8
1394621	Rock Pulp	0.066	8.4	58	1.46	526	0.421	6.52	2.439	0.97	24.9	29.4	18	1.0	13.9	4.1	0.3	<1	16	18.1	<0.1
1394622	Rock	0.078	8.1	38	2.49	699	0.066	7.55	1.705	1.65	1.1	11.0	20	1.0	11.0	0.5	<0.1	<1	19	37.9	0.8
1394623	Rock	0.086	8.8	26	2.57	331	0.073	6.93	0.722	1.78	1.4	11.3	22	0.9	7.1	0.4	<0.1	<1	19	42.8	1.0
1394624	Rock	0.063	8.2	22	2.07	492	0.063	6.06	0.633	1.74	0.7	11.3	18	0.8	7.4	0.5	<0.1	<1	17	33.4	0.7
1394625	Rock	0.052	6.5	24	2.20	435	0.057	6.17	0.701	1.84	0.7	11.5	16	0.8	7.7	0.3	<0.1	<1	17	31.2	0.8
1394626	Rock	0.067	7.5	33	2.13	130	0.070	7.01	0.997	2.08	1.6	15.6	19	1.1	9.7	0.8	<0.1	1	20	28.2	1.2
1394627	Rock	0.067	8.1	27	2.11	181	0.068	7.41	1.270	1.96	1.7	16.4	21	1.2	8.4	0.3	<0.1	<1	18	23.9	1.3
1394628	Rock	0.063	7.1	29	2.13	296	0.075	7.52	1.208	2.34	1.8	16.7	18	1.1	8.5	0.8	<0.1	1	19	25.3	0.9
1394629	Rock	0.068	7.8	25	2.00	154	0.061	6.84	1.163	1.88	1.8	15.8	19	0.9	8.8	0.3	<0.1	<1	17	23.6	1.4

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Project: KSD
Report Date: October 28, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394598	Rock	63.0	0.9	<0.05	0.005	4	<0.5	<0.5
1394601	Rock	41.9	0.2	<0.05	<0.005	<1	<0.5	<0.5
1394602	Rock	49.4	0.1	<0.05	<0.005	2	1.2	<0.5
1394603	Rock	34.3	0.1	0.06	<0.005	<1	<0.5	<0.5
1394604	Rock	62.2	<0.1	<0.05	<0.005	<1	0.6	<0.5
1394605	Rock	56.9	0.3	0.07	<0.005	<1	0.6	<0.5
1394606	Rock	58.3	0.3	<0.05	<0.005	<1	<0.5	<0.5
1394607	Rock	42.8	0.3	0.05	<0.005	<1	<0.5	<0.5
1394608	Rock	55.5	0.3	0.05	<0.005	<1	<0.5	<0.5
1394609	Rock	51.8	0.4	<0.05	<0.005	2	<0.5	<0.5
1394610	Rock	57.7	0.3	<0.05	<0.005	2	<0.5	<0.5
1394611	Rock	77.6	0.4	0.06	<0.005	3	<0.5	<0.5
1394612	Rock	63.2	0.3	0.06	<0.005	<1	<0.5	<0.5
1394613	Rock	81.4	0.3	<0.05	<0.005	2	<0.5	<0.5
1394614	Rock	76.8	0.4	<0.05	<0.005	2	<0.5	0.6
1394615	Rock	71.9	0.3	<0.05	<0.005	2	<0.5	0.5
1394616	Rock	78.0	0.3	<0.05	<0.005	3	<0.5	0.6
1394617	Rock	74.9	0.3	0.10	<0.005	4	<0.5	0.7
1394618	Rock	52.7	0.3	0.05	<0.005	1	<0.5	<0.5
1394619	Rock	50.7	0.2	<0.05	<0.005	1	0.7	<0.5
1394620	Rock	54.3	0.4	0.08	<0.005	2	0.6	<0.5
1394621	Rock Pulp	21.2	1.0	<0.05	<0.005	<1	0.8	<0.5
1394622	Rock	46.9	0.3	<0.05	<0.005	2	<0.5	<0.5
1394623	Rock	60.2	0.4	0.06	<0.005	2	<0.5	<0.5
1394624	Rock	55.8	0.3	0.06	<0.005	1	0.8	<0.5
1394625	Rock	43.8	0.3	0.06	<0.005	1	0.5	<0.5
1394626	Rock	61.0	0.4	0.07	<0.005	2	0.6	<0.5
1394627	Rock	54.2	0.4	0.07	<0.005	2	0.6	<0.5
1394628	Rock	56.7	0.5	0.07	<0.005	<1	<0.5	<0.5
1394629	Rock	50.2	0.4	<0.05	<0.005	2	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394630	Rock	1.35	0.075	0.7	7.3	9.6	95	<0.1	15.8	11.0	1481	5.00	4	0.7	2.0	98	<0.1	0.3	0.2	172	3.34
1394631	Rock	3.27	0.019	0.6	12.2	9.3	90	0.1	12.4	15.6	1590	4.90	5	0.7	2.0	96	0.2	0.2	0.3	170	3.87
1394632	Rock	3.11	0.039	1.0	31.0	9.2	137	0.2	16.1	18.2	1512	5.16	7	0.7	1.9	85	0.2	0.2	0.4	176	3.35
1394633	Rock	2.00	0.020	1.1	14.6	9.7	111	0.2	10.4	18.3	1485	5.12	6	0.7	2.0	77	0.2	0.3	0.4	188	3.36
1394634	Rock	2.02	0.026	1.4	27.0	10.3	155	0.2	18.1	21.6	1374	5.63	5	0.9	2.1	84	0.2	0.4	0.4	175	2.96
1394635	Rock	3.18	0.013	1.0	37.7	10.9	148	0.2	18.5	21.2	1443	5.30	6	0.8	2.3	100	0.3	0.4	0.3	170	3.63
1394636	Rock	2.20	0.012	1.4	14.9	8.6	125	0.1	18.1	23.8	1468	5.47	9	0.8	2.1	78	0.2	0.4	0.3	160	3.21
1394637	Rock	2.30	0.021	0.8	21.6	9.3	99	0.2	13.8	33.5	1462	5.75	10	0.7	2.1	88	0.3	0.3	0.4	129	3.58
1394638	Rock	1.93	0.009	1.1	11.8	6.7	134	0.1	21.1	17.1	1351	5.35	6	0.9	2.0	62	0.1	0.2	0.3	165	2.68
1394639	Rock	2.30	0.015	0.9	33.9	7.6	142	0.2	14.7	18.9	1319	5.28	6	1.0	2.1	73	0.2	0.4	0.3	167	2.95
1394640	Rock	3.30	0.013	0.9	61.1	7.3	152	0.2	14.1	18.8	1228	5.49	5	1.0	2.5	65	0.2	0.4	0.2	168	2.77
1394641	Rock Pulp	0.12	<0.005	2.4	25.0	4.7	60	0.2	31.6	15.1	741	3.73	6	0.6	1.6	279	0.2	0.7	<0.1	130	2.86
1394642	Rock	2.68	0.010	1.1	41.4	7.1	134	0.3	13.8	19.7	1395	5.10	7	0.6	2.1	80	0.1	0.3	0.3	152	3.52
1394643	Rock	3.32	0.010	1.1	63.6	9.6	141	0.3	13.5	26.4	1439	6.11	8	0.9	2.1	92	0.3	0.4	0.4	220	3.68
1394644	Rock	2.51	0.018	1.0	32.0	9.6	123	0.2	12.4	24.6	1509	6.27	7	0.8	1.7	118	0.1	0.3	0.4	246	3.90
1394645	Rock	2.27	0.211	1.4	39.4	10.6	119	0.4	13.7	31.2	1688	6.56	11	0.8	1.9	125	0.2	0.4	0.4	214	4.42
1394646	Rock	2.53	0.353	0.8	31.6	9.6	102	0.3	12.9	29.9	1708	6.27	8	0.6	1.8	125	0.2	0.3	0.4	179	4.57
1394647	Rock	1.98	0.045	1.6	32.8	10.6	117	0.3	14.6	31.0	1608	6.36	9	0.7	2.0	113	0.2	0.3	0.4	190	4.21
1394648	Rock	1.30	0.027	1.4	31.2	10.8	104	0.2	14.7	31.3	1641	6.17	8	0.7	1.9	107	0.3	0.3	0.4	196	4.32

CERTIFICATE OF ANALYSIS

WHI14000242.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1394630	Rock	0.058	7.0	29	2.36	1006	0.066	7.85	1.426	1.81	1.2	18.4	18	1.0	10.4	0.5	<0.1	1	19	24.7	0.6
1394631	Rock	0.064	6.7	27	2.20	175	0.069	6.84	1.089	1.86	1.8	17.3	18	1.1	11.1	0.3	<0.1	<1	18	28.8	1.1
1394632	Rock	0.066	6.5	40	2.35	124	0.070	6.82	0.806	1.93	1.9	15.2	18	0.9	10.7	0.5	<0.1	1	19	28.8	1.6
1394633	Rock	0.059	6.2	20	2.15	70	0.075	6.81	0.831	1.75	1.6	15.3	16	1.0	10.0	0.3	<0.1	<1	19	22.9	2.0
1394634	Rock	0.069	8.1	35	2.60	150	0.069	7.45	1.265	1.65	1.4	12.7	20	0.8	11.9	0.4	<0.1	<1	19	25.0	1.5
1394635	Rock	0.071	7.9	38	2.40	432	0.076	7.57	1.724	1.60	1.6	10.9	20	0.9	13.1	0.4	<0.1	<1	20	24.5	1.1
1394636	Rock	0.075	7.8	37	2.70	116	0.074	7.28	1.076	1.74	1.4	14.0	20	1.0	12.7	0.5	<0.1	1	18	28.4	1.7
1394637	Rock	0.062	6.7	21	2.04	37	0.063	6.23	1.072	1.45	0.8	13.7	17	0.8	11.4	0.3	<0.1	<1	16	22.2	2.7
1394638	Rock	0.060	6.7	46	2.80	188	0.069	7.23	1.303	1.46	1.3	11.6	17	0.9	9.7	0.5	<0.1	<1	18	25.1	1.3
1394639	Rock	0.070	7.0	28	2.46	143	0.070	7.36	1.361	1.63	1.4	13.6	18	0.9	10.4	0.3	<0.1	<1	19	24.2	1.4
1394640	Rock	0.070	8.4	27	2.38	223	0.073	7.79	1.688	1.53	1.6	12.1	21	1.0	11.7	0.6	<0.1	<1	20	22.9	1.3
1394641	Rock Pulp	0.059	8.4	49	1.44	448	0.400	6.54	2.511	0.84	23.1	25.2	18	1.0	14.2	3.7	0.3	1	16	15.2	<0.1
1394642	Rock	0.071	6.6	26	2.18	101	0.071	6.98	1.259	1.70	2.0	13.2	17	1.0	10.1	0.4	<0.1	1	18	31.5	1.7
1394643	Rock	0.061	7.4	23	2.38	166	0.074	8.05	1.709	1.93	1.5	12.4	17	1.2	10.6	0.6	<0.1	<1	22	32.5	1.8
1394644	Rock	0.056	6.0	18	2.49	158	0.074	8.27	1.393	2.29	1.7	9.5	15	1.4	8.9	0.2	<0.1	1	22	30.3	1.8
1394645	Rock	0.055	6.6	23	2.42	96	0.071	7.63	1.039	1.98	1.3	12.0	18	1.1	9.6	0.4	<0.1	1	22	31.3	2.4
1394646	Rock	0.056	6.5	17	2.26	76	0.060	6.96	0.930	1.68	0.7	9.9	16	1.1	9.8	0.2	<0.1	1	19	27.2	2.6
1394647	Rock	0.065	7.5	26	2.34	89	0.064	7.33	1.064	1.88	1.2	11.8	18	1.1	10.4	0.4	<0.1	<1	20	27.7	2.4
1394648	Rock	0.054	6.6	15	2.26	72	0.065	7.03	0.949	1.70	1.1	11.9	16	1.0	9.3	0.3	<0.1	<1	20	25.6	2.4

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394630	Rock	46.4	0.5	0.10	<0.005	1	0.8	<0.5
1394631	Rock	43.7	0.5	0.10	<0.005	1	0.8	<0.5
1394632	Rock	41.0	0.4	0.06	<0.005	2	<0.5	<0.5
1394633	Rock	46.7	0.4	<0.05	<0.005	2	<0.5	<0.5
1394634	Rock	45.8	0.3	0.10	<0.005	2	<0.5	<0.5
1394635	Rock	41.1	0.3	0.08	<0.005	<1	0.7	<0.5
1394636	Rock	44.9	0.4	0.09	0.005	2	<0.5	<0.5
1394637	Rock	45.3	0.3	<0.05	<0.005	4	<0.5	<0.5
1394638	Rock	36.8	0.4	0.12	<0.005	2	0.5	<0.5
1394639	Rock	42.4	0.3	<0.05	<0.005	2	<0.5	<0.5
1394640	Rock	50.8	0.3	<0.05	<0.005	1	0.6	<0.5
1394641	Rock Pulp	18.7	0.9	<0.05	<0.005	<1	1.0	<0.5
1394642	Rock	53.5	0.4	0.06	<0.005	2	<0.5	<0.5
1394643	Rock	54.5	0.4	0.12	<0.005	1	<0.5	<0.5
1394644	Rock	58.1	0.2	0.11	<0.005	1	<0.5	0.5
1394645	Rock	48.5	0.4	0.14	<0.005	2	0.8	<0.5
1394646	Rock	52.0	0.3	0.07	<0.005	2	0.6	<0.5
1394647	Rock	51.9	0.4	0.09	<0.005	2	<0.5	<0.5
1394648	Rock	44.3	0.3	0.10	<0.005	2	<0.5	<0.5

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1394518	Rock	2.34	0.006	2.9	20.6	19.4	110	0.3	18.6	8.4	491	3.16	8	1.8	7.6	55	0.5	0.4	0.2	72	1.33
REP 1394518	QC		0.007	3.0	20.4	19.5	105	0.3	19.0	8.3	503	3.24	9	2.0	7.8	56	0.5	0.3	0.2	73	1.37
1394519	Rock	2.55	<0.005	3.3	27.5	21.5	106	0.2	25.3	8.3	429	2.75	12	2.1	8.0	47	0.6	0.3	0.2	80	1.11
REP 1394519	QC		<0.005																		
1394541	Rock Pulp	0.12	<0.005	2.8	27.8	5.1	62	1.6	31.1	15.9	760	3.39	6	0.6	1.8	305	0.6	0.9	<0.1	121	2.74
REP 1394541	QC		<0.005																		
1394557	Rock	2.67	0.171	1.0	26.6	13.1	106	0.6	17.2	20.9	1549	4.77	8	0.4	2.4	130	0.3	0.3	0.3	143	4.35
REP 1394557	QC			0.6	27.1	13.1	105	0.5	17.2	22.3	1512	4.80	7	0.5	2.4	130	0.4	0.3	0.3	142	4.36
REP 1394576	QC		0.023																		
1394595	Rock	3.01	0.027	0.6	23.2	49.5	235	0.4	13.3	20.8	898	4.60	17	1.0	2.6	95	1.7	0.5	0.2	116	2.74
REP 1394595	QC			0.8	23.4	49.7	242	0.4	13.9	21.6	950	4.57	17	1.1	2.9	98	1.8	0.5	0.2	118	2.78
1394632	Rock	3.11	0.039	1.0	31.0	9.2	137	0.2	16.1	18.2	1512	5.16	7	0.7	1.9	85	0.2	0.2	0.4	176	3.35
REP 1394632	QC			1.2	29.8	9.2	129	0.2	16.9	20.8	1589	5.39	7	0.7	2.0	79	0.2	0.3	0.4	180	3.52
1394647	Rock	1.98	0.045	1.6	32.8	10.6	117	0.3	14.6	31.0	1608	6.36	9	0.7	2.0	113	0.2	0.3	0.4	190	4.21
REP 1394647	QC		0.032																		
1394648	Rock	1.30	0.027	1.4	31.2	10.8	104	0.2	14.7	31.3	1641	6.17	8	0.7	1.9	107	0.3	0.3	0.4	196	4.32
REP 1394648	QC		0.027																		
Core Reject Duplicates																					
1394531	Rock	1.38	0.009	1.1	24.5	7.7	130	0.2	18.5	24.8	1429	5.10	9	0.9	2.0	140	0.2	0.4	0.2	196	4.15
DUP 1394531	QC		0.011	1.2	28.6	7.3	126	0.2	19.2	24.2	1429	5.21	8	0.9	1.9	143	0.3	0.4	0.2	194	4.16
1394576	Rock	2.28	0.026	1.5	24.8	21.8	132	0.3	26.3	9.4	467	2.40	13	1.9	7.1	71	1.0	0.6	<0.1	86	1.97
DUP 1394576	QC		0.020	1.9	24.9	22.9	131	0.3	28.5	10.4	477	2.55	14	1.9	7.0	71	0.9	0.5	<0.1	93	1.97
1394616	Rock	2.07	0.032	0.7	123.7	24.0	108	1.3	8.1	20.5	1239	5.88	78	0.6	2.5	110	0.4	1.2	0.4	161	3.37
DUP 1394616	QC		0.034	0.5	121.0	23.3	105	1.3	7.4	18.3	1205	5.60	74	0.5	2.4	110	0.4	1.0	0.4	159	3.26
Reference Materials																					
STD OREAS25A-4A	Standard			2.3	35.1	25.0	45	<0.1	47.0	7.9	495	6.37	10	2.8	16.6	48	<0.1	0.6	0.3	156	0.32
STD OREAS25A-4A	Standard			2.3	36.2	27.5	49	0.1	49.1	8.3	516	6.75	12	3.0	16.9	51	<0.1	0.7	0.4	169	0.31
STD OREAS25A-4A	Standard			2.1	31.4	22.5	40	0.1	42.5	7.4	465	6.47	9	2.5	14.5	44	<0.1	0.6	0.3	160	0.29

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
Pulp Duplicates																					
1394518	Rock	0.093	25.8	32	2.17	402	0.114	6.25	1.205	1.94	2.9	47.6	50	1.7	5.9	2.5	0.1	1	13	22.1	0.4
REP 1394518	QC	0.096	26.4	34	2.22	402	0.117	6.42	1.196	2.00	2.9	47.1	51	1.8	5.8	2.5	0.1	1	13	21.1	0.4
1394519	Rock	0.095	26.4	42	1.71	686	0.109	6.32	1.230	2.12	2.3	40.7	52	1.9	6.1	2.5	0.1	1	11	14.7	0.3
REP 1394519	QC																				
1394541	Rock Pulp	0.061	8.6	51	1.39	474	0.395	6.46	2.339	0.85	23.7	26.8	19	0.8	15.7	4.1	0.3	<1	16	15.1	<0.1
REP 1394541	QC																				
1394557	Rock	0.057	8.1	32	2.23	99	0.070	6.73	0.733	2.31	1.6	15.1	20	0.9	9.0	0.4	<0.1	1	18	16.0	1.7
REP 1394557	QC	0.059	8.4	32	2.23	116	0.068	6.74	0.714	2.31	1.6	15.2	21	0.9	8.9	0.4	<0.1	<1	18	15.1	1.7
REP 1394576	QC																				
1394595	Rock	0.053	7.1	17	1.76	37	0.083	6.30	1.215	1.64	1.0	24.4	18	0.9	10.1	0.7	<0.1	1	15	16.9	2.7
REP 1394595	QC	0.055	7.7	18	1.84	32	0.080	6.72	1.237	1.65	0.9	24.4	19	1.1	10.8	0.7	<0.1	1	15	17.3	2.7
1394632	Rock	0.066	6.5	40	2.35	124	0.070	6.82	0.806	1.93	1.9	15.2	18	0.9	10.7	0.5	<0.1	1	19	28.8	1.6
REP 1394632	QC	0.066	7.0	39	2.47	102	0.074	7.29	0.841	1.97	1.9	15.3	18	1.0	10.8	0.5	<0.1	1	20	26.6	1.7
1394647	Rock	0.065	7.5	26	2.34	89	0.064	7.33	1.064	1.88	1.2	11.8	18	1.1	10.4	0.4	<0.1	<1	20	27.7	2.4
REP 1394647	QC																				
1394648	Rock	0.054	6.6	15	2.26	72	0.065	7.03	0.949	1.70	1.1	11.9	16	1.0	9.3	0.3	<0.1	<1	20	25.6	2.4
REP 1394648	QC																				
Core Reject Duplicates																					
1394531	Rock	0.053	7.7	25	2.80	329	0.106	7.65	2.343	1.33	8.3	10.5	18	0.8	6.7	0.6	<0.1	1	26	29.7	1.0
DUP 1394531	QC	0.053	7.5	30	2.78	341	0.104	7.63	2.361	1.29	4.0	11.7	17	0.8	6.4	0.6	<0.1	<1	26	26.7	1.0
1394576	Rock	0.086	22.0	43	0.94	677	0.103	5.87	0.688	2.26	2.6	16.9	44	1.8	6.5	1.6	<0.1	1	10	8.0	0.4
DUP 1394576	QC	0.088	20.4	50	0.91	559	0.094	5.68	0.721	2.67	3.1	17.3	42	2.0	6.4	1.5	<0.1	1	10	8.6	0.4
1394616	Rock	0.088	9.1	14	1.90	70	0.087	7.37	0.799	2.41	1.6	10.2	22	1.0	10.1	0.6	<0.1	1	21	52.3	2.1
DUP 1394616	QC	0.085	8.8	13	1.85	89	0.079	7.23	0.790	2.37	1.6	9.5	22	0.9	9.5	0.4	<0.1	<1	20	54.0	1.9
Reference Materials																					
STD OREAS25A-4A	Standard	0.048	25.4	113	0.32	150	0.887	9.14	0.115	0.47	1.8	151.1	51	4.1	11.0	20.8	1.4	1	14	35.1	<0.1
STD OREAS25A-4A	Standard	0.050	25.8	123	0.34	157	0.946	9.34	0.121	0.50	1.8	159.2	55	4.4	11.4	20.0	1.5	<1	14	40.6	<0.1
STD OREAS25A-4A	Standard	0.047	20.8	106	0.32	139	0.912	8.94	0.129	0.43	1.8	141.2	47	3.9	9.7	18.4	1.4	<1	13	35.7	<0.1

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Project: KSD
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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
1394518	Rock	64.9	1.2	<0.05	<0.005	<1	<0.5	0.6
REP 1394518	QC	64.7	1.5	0.07	<0.005	<1	<0.5	0.5
1394519	Rock	70.2	1.2	<0.05	<0.005	<1	<0.5	0.6
REP 1394519	QC							
1394541	Rock Pulp	18.5	1.0	0.07	<0.005	<1	<0.5	<0.5
REP 1394541	QC							
1394557	Rock	72.7	0.4	<0.05	<0.005	<1	0.8	<0.5
REP 1394557	QC	73.7	0.4	0.06	<0.005	1	0.7	<0.5
REP 1394576	QC							
1394595	Rock	55.6	0.7	<0.05	<0.005	4	<0.5	<0.5
REP 1394595	QC	59.4	0.6	0.06	<0.005	3	<0.5	<0.5
1394632	Rock	41.0	0.4	0.06	<0.005	2	<0.5	<0.5
REP 1394632	QC	44.2	0.4	0.05	<0.005	2	0.5	<0.5
1394647	Rock	51.9	0.4	0.09	<0.005	2	<0.5	<0.5
REP 1394647	QC							
1394648	Rock	44.3	0.3	0.10	<0.005	2	<0.5	<0.5
REP 1394648	QC							
Core Reject Duplicates								
1394531	Rock	45.6	0.3	0.11	<0.005	<1	<0.5	<0.5
DUP 1394531	QC	47.1	0.3	0.08	<0.005	<1	<0.5	<0.5
1394576	Rock	72.2	0.6	0.07	<0.005	<1	<0.5	0.7
DUP 1394576	QC	86.4	0.7	<0.05	<0.005	1	<0.5	0.7
1394616	Rock	78.0	0.3	<0.05	<0.005	3	<0.5	0.6
DUP 1394616	QC	78.8	0.3	0.06	<0.005	3	<0.5	0.6
Reference Materials								
STD OREAS25A-4A	Standard	60.7	3.9	0.07	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	64.1	4.4	0.10	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	62.2	4.0	0.06	<0.005	3	<0.5	<0.5

QUALITY CONTROL REPORT

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		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.0	36.3	26.0	45	<0.1	47.4	8.1	496	6.74	12	3.0	15.9	48	0.2	0.5	0.4	160	0.31
STD OREAS45E	Standard			2.7	791.8	21.0	49	0.3	492.7	63.3	594	26.36	19	2.8	14.5	17	<0.1	1.1	0.3	333	0.07
STD OREAS45E	Standard			2.8	827.7	21.0	54	0.4	494.5	65.3	603	25.91	18	3.0	15.8	18	<0.1	1.1	0.3	345	0.08
STD OREAS45E	Standard			2.5	814.8	19.6	47	0.4	494.1	65.7	593	26.66	18	2.6	13.7	17	<0.1	1.1	0.3	331	0.09
STD OREAS45E	Standard			2.5	768.6	19.7	47	0.3	474.0	58.8	565	24.52	17	2.5	13.9	17	<0.1	0.8	0.3	317	0.09
STD OXD108	Standard		0.406																		
STD OXD108	Standard		0.418																		
STD OXD108	Standard		0.429																		
STD OXI121	Standard		1.820																		
STD OXI121	Standard		1.826																		
STD OXI121	Standard		1.775																		
STD OXN117	Standard		7.784																		
STD OXN117	Standard		7.775																		
STD OXN117	Standard		7.691																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	5	<0.01	<1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.2	1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01

QUALITY CONTROL REPORT

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		MA200 P %	MA200 La ppm	MA200 Cr ppm	MA200 Mg %	MA200 Ba ppm	MA200 Ti %	MA200 Al %	MA200 Na %	MA200 K %	MA200 W ppm	MA200 Zr ppm	MA200 Ce ppm	MA200 Sn ppm	MA200 Y ppm	MA200 Nb ppm	MA200 Ta ppm	MA200 Be ppm	MA200 Sc ppm	MA200 Li ppm	MA200 S %
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS25A-4A	Standard	0.052	20.3	125	0.31	149	0.961	9.09	0.118	0.48	2.1	155.5	47	3.9	10.7	20.8	1.5	1	13	36.1	<0.1
STD OREAS45E	Standard	0.037	13.3	1091	0.16	274	0.531	7.16	0.053	0.35	1.0	104.2	28	1.4	8.9	6.6	0.6	<1	104	7.0	<0.1
STD OREAS45E	Standard	0.038	12.9	1058	0.16	275	0.546	7.24	0.052	0.35	1.1	104.7	27	1.1	8.6	6.9	0.6	<1	98	6.7	<0.1
STD OREAS45E	Standard	0.033	11.7	1039	0.16	258	0.552	7.15	0.059	0.34	1.2	103.4	26	1.4	8.1	6.7	0.6	<1	96	6.4	<0.1
STD OREAS45E	Standard	0.032	11.4	980	0.15	255	0.548	6.79	0.049	0.31	0.9	96.7	25	1.2	8.4	6.0	0.6	<1	96	6.4	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	0.02	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	0.03	0.004	0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

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Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: October 28, 2014

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QUALITY CONTROL REPORT

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		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OREAS25A-4A	Standard	56.0	4.1	<0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	23.2	3.3	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	23.5	3.2	<0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	22.8	3.2	0.14	<0.005	4	<0.5	<0.5
STD OREAS45E	Standard	21.1	3.2	0.13	<0.005	2	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXD108 Expected								
STD OXN117 Expected								
STD OXI121 Expected								
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.7	<0.1	<0.05	<0.005	<1	<0.5	<0.5

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Project: KSD
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QUALITY CONTROL REPORT

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		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	0.6	7.3	4.3	43	<0.1	2.1	4.8	711	2.21	2	1.3	3.3	232	0.1	0.1	<0.1	39	1.65
ROCK-WHI	Prep Blank		<0.005	0.4	6.2	5.1	41	<0.1	1.2	4.8	722	2.28	3	1.3	3.3	237	<0.1	0.2	<0.1	40	1.68

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Project: KSD
Report Date: October 28, 2014

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QUALITY CONTROL REPORT

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Prep Wash																					
ROCK-WHI	Prep Blank	0.044	16.1	4	0.54	916	0.224	7.48	3.619	1.77	0.4	58.8	30	1.0	18.8	6.6	0.4	<1	7	3.7	<0.1
ROCK-WHI	Prep Blank	0.046	16.4	3	0.57	940	0.233	7.63	3.599	1.96	0.5	62.3	30	0.8	20.1	6.6	0.4	1	7	4.9	<0.1

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

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Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: October 28, 2014

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QUALITY CONTROL REPORT

WHI14000242.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
Prep Wash								
ROCK-WHI	Prep Blank	42.5	1.9	0.06	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	45.6	1.9	<0.05	<0.005	<1	<0.5	<0.5

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 16, 2014
Report Date: October 30, 2014
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI14000248.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-10-16
P.O. Number
Number of Samples: 138

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	131	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	138	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	138	4 Acid digestion ICP-MS analysis	0.25	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.

CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368251	Rock	1.96	0.030	1.3	34.6	15.7	103	0.3	17.7	20.0	1465	5.24	11	1.0	3.6	65	0.3	0.6	0.5	167	0.88
1368252	Rock	2.28	0.011	0.5	29.6	13.0	93	0.2	15.0	19.6	1157	5.43	10	0.5	2.7	43	0.3	0.5	0.5	160	0.23
1368253	Rock	2.27	0.019	0.9	28.5	11.0	104	0.3	19.8	20.8	930	6.18	13	0.5	2.7	55	0.3	0.3	0.3	165	0.54
1368254	Rock	2.60	0.157	0.4	23.5	12.1	73	0.4	15.7	17.8	885	5.47	11	0.6	2.9	54	0.3	0.4	0.4	162	0.62
1368255	Rock	2.93	0.104	0.2	34.9	8.3	71	0.3	11.7	17.1	1080	4.98	5	0.4	2.3	82	<0.1	0.4	0.2	142	3.65
1368256	Rock	2.48	0.012	0.3	28.7	8.3	68	0.3	12.1	16.4	953	5.26	8	0.5	2.6	65	<0.1	0.3	0.2	149	1.98
1368257	Rock	2.08	0.020	0.6	34.4	14.6	89	0.4	12.9	16.5	1196	4.95	12	0.5	2.6	82	0.2	0.6	0.2	160	2.46
1368258	Rock	2.59	0.017	0.6	48.5	10.9	103	0.4	13.0	21.8	1275	5.08	7	0.3	1.9	89	0.4	0.3	0.3	164	4.47
1368259	Rock	2.66	0.035	0.9	38.4	14.2	114	0.4	13.1	22.5	1253	5.59	38	0.5	2.1	83	0.3	0.5	0.3	182	2.83
1368260	Rock	3.18	0.025	0.3	36.5	22.7	123	0.4	10.1	23.0	1324	5.36	10	0.5	1.8	105	0.7	0.5	0.3	215	4.85
1368261	Rock Pulp	0.13	<0.005	2.3	24.8	5.2	57	0.6	29.7	15.1	739	3.56	6	0.5	1.6	286	0.3	0.7	0.1	125	2.80
1368262	Rock	2.53	0.025	0.4	40.2	23.8	103	0.3	10.2	24.8	1208	6.13	6	0.4	1.7	109	0.3	0.3	0.2	260	4.29
1368263	Rock	1.89	0.015	0.3	27.2	15.5	104	0.2	8.6	23.9	1310	5.99	7	0.3	1.3	107	0.4	0.3	0.1	252	3.94
1368264	Rock	1.33	0.017	0.3	9.8	19.1	43	0.1	7.6	9.8	670	3.98	7	0.3	2.1	111	0.2	0.6	0.1	126	4.39
1368265	Rock	2.32	0.008	0.4	44.3	19.0	100	0.3	6.3	14.3	1178	4.83	12	0.2	1.6	98	0.5	0.4	0.2	207	4.40
1368266	Rock	2.68	0.405	0.5	33.1	13.7	84	0.8	7.4	12.4	1058	3.65	93	0.5	2.4	88	0.4	0.8	0.3	130	2.90
1368267	Rock	2.14	0.042	1.2	41.0	8.4	92	0.4	8.6	18.2	1369	4.83	39	0.6	2.2	75	0.3	0.8	0.3	159	2.82
1368268	Rock	3.44	0.150	0.5	40.8	11.3	85	0.8	8.8	14.9	1355	4.21	145	0.6	2.6	117	0.3	1.7	0.3	141	3.66
1368269	Rock	3.42	0.027	0.7	64.8	13.0	158	0.4	13.8	25.5	1499	5.77	21	0.3	1.5	77	0.3	0.4	0.3	199	3.66
1368270	Rock	1.25	0.081	0.4	44.7	10.7	127	0.3	10.4	19.6	1701	5.16	17	0.3	1.6	90	0.2	0.5	0.2	174	4.04
1368271	Rock	3.04	0.041	1.1	51.2	12.1	127	0.3	9.9	17.7	2079	4.98	10	0.3	1.7	95	0.4	0.3	0.2	188	3.96
1368272	Rock	3.33	0.867	0.5	59.3	15.5	113	0.5	8.4	17.4	1692	5.03	11	0.2	1.7	112	0.3	0.4	0.2	204	4.21
1368273	Rock	3.09	0.672	0.4	54.5	18.1	122	0.5	9.3	21.0	2007	5.62	12	0.6	2.4	150	0.6	0.5	0.3	196	5.55
1368274	Rock	2.98	0.055	0.3	43.4	18.1	104	0.5	9.6	17.2	1718	4.71	28	0.8	2.1	157	0.5	0.8	0.3	150	4.96
1368275	Rock	2.87	0.059	0.4	45.3	20.0	113	0.5	11.2	23.2	1692	5.59	24	0.6	1.9	133	0.6	0.8	0.3	182	4.74
1368276	Rock	2.52	0.049	0.2	52.0	23.4	135	0.4	10.7	20.2	1520	5.65	10	0.3	1.2	124	0.4	0.4	0.4	240	4.12
1368277	Rock	3.05	0.014	0.4	43.4	23.7	120	0.3	9.2	17.9	1421	5.11	10	0.4	2.2	120	0.4	0.3	0.3	202	4.66
1368278	Rock	3.47	0.016	0.7	42.1	17.2	127	0.3	10.6	18.4	1337	4.91	9	0.4	1.9	89	0.8	0.4	0.2	176	3.75
1368279	Rock	2.49	0.032	0.6	39.5	16.5	139	0.3	10.7	17.4	1252	4.91	7	0.6	2.0	82	0.4	0.3	0.3	177	3.46
1368280	Rock	2.27	0.020	0.5	38.3	14.3	135	0.3	11.7	15.3	1230	4.56	6	0.6	2.3	85	0.4	0.2	0.2	161	3.65

CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368251	Rock	0.077	12.5	27	1.60	1396	0.085	7.66	1.971	2.15	1.2	27.0	31	1.4	8.2	0.9	<0.1	1	22	35.9	0.2
1368252	Rock	0.091	7.9	24	1.73	1118	0.068	7.06	2.182	1.64	1.1	18.8	21	0.8	7.1	0.5	<0.1	1	21	31.5	0.1
1368253	Rock	0.085	9.0	35	1.28	314	0.062	7.48	2.021	2.21	1.7	16.1	23	0.8	5.9	0.4	<0.1	2	21	25.7	0.8
1368254	Rock	0.083	10.1	28	0.71	1364	0.067	7.83	2.246	2.70	2.0	16.6	25	0.8	6.6	0.4	<0.1	1	22	16.3	0.4
1368255	Rock	0.079	7.1	20	1.42	362	0.059	6.96	1.886	1.80	1.3	19.0	19	0.9	5.5	0.3	<0.1	<1	20	26.6	0.9
1368256	Rock	0.087	9.8	21	1.32	637	0.058	7.81	1.996	1.84	1.0	20.1	25	0.9	6.3	0.3	<0.1	1	22	25.3	0.6
1368257	Rock	0.067	7.9	26	1.12	477	0.085	7.27	1.605	2.17	1.4	19.6	20	1.0	7.6	0.5	<0.1	2	21	25.4	0.9
1368258	Rock	0.059	5.7	17	1.83	91	0.064	6.57	1.556	1.75	1.2	15.3	16	0.8	6.0	0.4	<0.1	<1	21	32.3	2.0
1368259	Rock	0.070	5.9	18	1.95	62	0.063	7.28	1.643	2.16	1.4	18.2	17	0.9	6.3	0.3	<0.1	1	23	42.5	2.2
1368260	Rock	0.057	6.0	10	1.84	105	0.067	7.16	1.755	2.12	1.6	11.6	16	0.7	5.4	0.3	<0.1	1	22	24.4	2.1
1368261	Rock Pulp	0.065	7.4	50	1.42	477	0.324	6.42	2.383	0.85	20.4	26.3	17	0.7	12.5	3.9	0.3	<1	16	14.9	<0.1
1368262	Rock	0.071	5.1	12	2.01	725	0.061	7.57	1.957	1.56	1.3	15.0	14	0.8	4.4	0.3	<0.1	1	25	34.6	1.2
1368263	Rock	0.078	5.0	9	2.00	694	0.064	7.49	2.353	1.39	1.4	9.7	14	0.8	4.7	0.2	<0.1	1	25	33.6	1.2
1368264	Rock	0.126	5.9	7	1.28	424	0.055	7.64	3.998	0.90	0.9	17.1	17	0.4	8.6	0.3	<0.1	1	17	29.2	0.1
1368265	Rock	0.077	4.8	7	1.64	874	0.070	7.60	2.812	1.52	0.9	11.6	14	0.6	4.9	0.3	<0.1	1	23	44.9	0.6
1368266	Rock	0.071	6.5	11	1.22	396	0.057	6.13	2.112	1.47	1.6	17.2	18	0.8	5.5	0.4	<0.1	<1	17	27.1	0.7
1368267	Rock	0.067	6.1	13	2.13	72	0.075	7.54	2.042	1.91	1.5	24.8	17	0.9	6.2	0.5	<0.1	<1	20	45.4	1.6
1368268	Rock	0.062	7.3	14	1.87	132	0.068	6.58	0.900	2.21	1.3	20.7	20	1.3	7.1	0.5	<0.1	<1	18	43.5	1.2
1368269	Rock	0.059	4.5	19	2.80	137	0.070	7.15	1.430	1.63	1.0	10.7	13	0.7	6.3	0.3	<0.1	<1	23	40.6	2.2
1368270	Rock	0.050	6.0	14	2.55	191	0.070	6.51	1.199	1.36	0.5	9.9	15	0.6	6.8	0.3	<0.1	<1	21	34.2	1.6
1368271	Rock	0.055	5.8	16	2.63	412	0.067	6.81	1.389	1.35	1.2	10.4	15	0.7	6.7	0.4	<0.1	<1	22	34.7	1.2
1368272	Rock	0.064	5.6	12	2.32	270	0.071	7.24	1.790	1.60	1.1	9.8	15	0.8	6.3	0.3	<0.1	<1	23	29.6	1.4
1368273	Rock	0.073	8.6	13	2.57	274	0.072	7.37	1.443	1.68	1.2	10.2	21	0.8	8.7	0.4	<0.1	<1	26	45.7	1.9
1368274	Rock	0.053	7.6	12	2.14	480	0.066	6.37	1.227	1.42	0.9	9.8	18	0.5	7.7	0.4	<0.1	<1	19	54.2	1.7
1368275	Rock	0.055	6.7	13	2.39	133	0.068	6.89	1.233	1.63	1.0	10.7	18	0.7	6.6	0.3	<0.1	<1	21	54.5	2.1
1368276	Rock	0.051	4.2	12	2.69	440	0.069	6.80	1.504	1.36	0.8	7.1	12	0.8	5.1	0.3	<0.1	<1	24	35.6	1.4
1368277	Rock	0.053	7.0	12	2.21	653	0.075	7.20	1.626	1.49	0.6	15.0	18	1.0	7.4	0.4	<0.1	<1	22	29.8	1.2
1368278	Rock	0.055	5.9	19	2.47	225	0.073	6.88	1.675	1.47	0.7	16.4	15	0.9	6.6	0.4	<0.1	1	21	29.6	1.4
1368279	Rock	0.054	5.7	19	2.55	182	0.068	6.74	1.563	1.59	0.9	15.9	15	1.0	5.9	0.4	<0.1	1	20	29.8	1.4
1368280	Rock	0.063	6.2	19	2.46	146	0.076	6.75	1.574	1.61	0.7	17.5	17	0.9	6.7	0.5	<0.1	1	20	25.7	1.5

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Project: KSD
Report Date: October 30, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368251	Rock	63.1	0.7	0.09	<0.005	<1	<0.5	<0.5
1368252	Rock	54.8	0.4	<0.05	<0.005	<1	<0.5	<0.5
1368253	Rock	65.0	0.4	<0.05	<0.005	1	<0.5	<0.5
1368254	Rock	78.3	0.4	0.05	<0.005	<1	<0.5	0.5
1368255	Rock	44.2	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368256	Rock	58.0	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368257	Rock	57.6	0.6	0.09	<0.005	1	<0.5	<0.5
1368258	Rock	44.4	0.4	<0.05	<0.005	1	<0.5	<0.5
1368259	Rock	50.0	0.6	0.06	0.006	1	<0.5	0.5
1368260	Rock	49.6	0.3	<0.05	<0.005	3	<0.5	<0.5
1368261	Rock Pulp	17.3	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368262	Rock	28.9	0.4	0.06	<0.005	1	<0.5	<0.5
1368263	Rock	32.2	0.2	<0.05	<0.005	<1	<0.5	<0.5
1368264	Rock	21.1	0.4	0.05	<0.005	<1	<0.5	<0.5
1368265	Rock	31.8	0.3	<0.05	<0.005	1	<0.5	<0.5
1368266	Rock	42.4	0.5	0.07	<0.005	1	<0.5	<0.5
1368267	Rock	49.2	0.8	0.05	<0.005	<1	<0.5	<0.5
1368268	Rock	44.9	0.5	0.07	<0.005	<1	<0.5	0.6
1368269	Rock	27.7	0.3	<0.05	<0.005	1	<0.5	<0.5
1368270	Rock	44.7	0.3	<0.05	<0.005	<1	0.6	<0.5
1368271	Rock	33.7	0.3	<0.05	<0.005	<1	0.5	<0.5
1368272	Rock	34.4	0.3	<0.05	<0.005	<1	<0.5	<0.5
1368273	Rock	50.0	0.3	0.06	<0.005	1	0.9	<0.5
1368274	Rock	53.4	0.3	0.05	<0.005	<1	0.5	<0.5
1368275	Rock	39.7	0.3	<0.05	<0.005	1	<0.5	<0.5
1368276	Rock	21.8	0.2	0.09	<0.005	1	0.5	<0.5
1368277	Rock	40.3	0.4	<0.05	<0.005	<1	<0.5	<0.5
1368278	Rock	35.1	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368279	Rock	27.2	0.4	0.07	<0.005	<1	<0.5	<0.5
1368280	Rock	37.9	0.4	0.08	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368281	Rock Pulp	0.13	2.061	3.6	38.3	8.6	72	0.3	36.3	16.0	783	4.02	10	0.5	1.6	269	0.3	2.9	0.2	131	2.68
1368282	Rock	2.62	0.020	0.4	51.1	18.8	153	0.3	11.2	17.7	1241	4.52	6	0.7	2.6	95	0.7	0.3	0.2	139	4.33
1368283	Rock	2.01	0.022	0.3	47.8	19.0	134	0.4	11.1	17.4	1239	4.41	7	0.6	2.5	88	0.8	0.4	0.2	136	4.41
1368284	Rock	1.25	0.011	0.4	29.8	15.6	108	0.2	11.5	11.7	1114	3.64	5	0.6	2.4	85	0.4	0.4	0.2	117	3.83
1368285	Rock	2.74	0.058	0.8	100.3	21.5	184	1.0	14.3	19.4	1054	6.51	8	0.7	1.6	37	0.3	0.5	0.4	249	0.11
1368286	Rock	1.90	0.071	1.1	72.0	16.9	167	0.8	15.2	16.7	923	5.84	13	0.9	2.3	42	0.3	0.6	0.5	214	0.14
1368287	Rock	3.86	0.040	0.7	32.9	20.1	157	0.7	13.2	13.6	854	4.94	12	0.7	3.6	37	0.6	0.9	0.4	127	0.16
1368288	Rock	2.40	0.072	1.3	28.6	25.8	145	1.5	16.3	11.7	572	3.72	11	0.8	6.0	30	0.6	0.9	0.2	91	0.24
1368289	Rock	2.76	0.043	1.0	35.4	53.2	387	0.9	14.2	11.9	668	4.55	7	1.0	4.8	40	2.5	0.8	0.1	131	0.19
1368290	Rock	2.08	0.037	0.9	75.0	235.0	603	1.1	11.2	12.6	766	5.55	7	0.7	2.6	41	2.1	0.8	0.2	183	0.15
1368291	Rock	2.67	0.027	0.4	40.3	76.4	213	0.4	11.5	14.0	845	4.68	7	1.1	4.2	65	1.5	0.9	0.1	120	0.56
1368292	Rock	2.67	0.024	0.6	41.6	74.6	252	0.5	11.9	15.4	897	4.57	5	1.0	4.2	89	1.5	0.5	0.2	122	2.18
1368293	Rock	1.44	0.022	1.3	70.3	219.6	603	0.9	10.4	14.3	945	4.47	8	0.8	3.9	67	4.3	0.7	0.2	122	1.92
1368294	Rock	2.99	0.023	1.4	161.5	362.7	815	1.1	10.8	14.4	873	4.35	6	1.2	4.2	76	7.8	0.7	0.1	110	2.07
1368295	Rock	2.51	0.032	2.3	85.7	229.0	894	1.0	10.9	11.7	809	4.76	15	0.9	4.7	71	8.6	0.9	0.2	109	1.49
1368296	Rock	2.98	0.017	1.2	42.6	133.2	692	0.5	12.8	13.6	796	4.36	8	0.8	5.1	79	6.5	0.7	<0.1	102	2.01
1368297	Rock	3.10	0.048	1.5	40.2	116.3	551	1.0	11.9	10.6	411	3.69	15	0.8	3.5	215	3.4	0.8	0.1	117	0.57
1368298	Rock	3.04	0.072	2.9	32.9	87.7	445	1.2	12.3	6.5	261	3.70	19	1.3	4.7	172	2.0	1.0	0.2	101	0.17
1368299	Rock	2.30	0.085	1.5	55.0	71.9	1415	1.3	11.7	11.5	421	3.27	13	1.3	1.7	354	15.3	0.8	0.1	97	0.37
1368300	Rock	2.31	0.059	1.4	66.3	41.3	542	1.1	14.3	18.4	875	5.15	17	0.9	2.2	74	7.3	1.4	0.3	155	1.30
1368301	Rock Pulp	0.12	2.053	3.3	36.6	8.9	69	0.4	31.7	15.9	790	3.95	10	0.6	1.6	265	0.2	2.6	<0.1	127	2.64
1368302	Rock	2.90	0.045	0.9	69.3	41.5	344	1.1	13.2	20.2	1124	4.62	18	0.5	1.5	64	2.8	1.0	0.1	134	2.38
1368303	Rock	2.69	0.029	0.8	35.8	67.3	173	0.6	10.5	13.2	823	3.90	11	0.9	3.4	96	1.7	0.9	0.1	94	2.65
1368304	Rock	2.29	0.459	1.0	31.6	56.4	160	0.5	12.6	11.9	684	4.32	8	1.4	3.9	87	1.1	0.7	0.1	95	2.44
1368305	Rock	2.30	0.063	1.1	41.7	44.1	246	0.7	13.0	14.4	516	4.69	14	1.0	3.0	60	1.1	1.1	<0.1	112	1.38
1368306	Rock	2.58	0.055	1.0	158.2	40.5	364	1.5	12.7	18.0	729	5.41	10	1.0	2.5	54	1.2	1.5	<0.1	145	1.79
1368307	Rock	2.16	2.999	0.7	56.9	46.9	203	0.6	9.5	17.5	990	5.07	5	0.6	2.5	108	1.8	0.5	0.1	155	3.03
1368308	Rock	3.42	0.059	0.5	40.6	37.8	169	0.4	8.4	16.4	829	4.80	4	0.5	2.5	83	1.2	0.5	<0.1	148	2.05
1368309	Rock	2.91	0.024	3.4	64.5	28.1	163	0.5	10.9	20.9	1032	5.48	5	0.5	1.5	62	0.8	0.5	<0.1	177	1.39
1368310	Rock	2.68	0.288	2.1	48.9	25.7	314	0.5	13.5	22.9	823	5.72	12	0.7	1.6	58	4.8	0.8	<0.1	180	0.87

CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368281	Rock Pulp	0.068	7.3	34	1.44	517	0.338	6.53	2.339	0.89	24.6	28.5	17	1.0	12.3	3.9	0.2	<1	16	15.8	<0.1
1368282	Rock	0.064	7.3	18	2.06	132	0.069	6.57	1.387	1.65	0.6	18.6	19	0.7	7.4	0.6	<0.1	2	19	22.2	1.9
1368283	Rock	0.060	6.5	20	2.05	127	0.071	6.49	1.428	1.59	0.6	16.9	17	0.7	7.0	0.6	<0.1	<1	19	20.1	2.0
1368284	Rock	0.054	6.9	21	1.96	145	0.065	6.13	1.377	1.46	0.5	16.5	16	0.8	7.2	0.7	<0.1	1	17	26.0	1.4
1368285	Rock	0.052	4.7	21	2.44	2682	0.075	7.25	1.812	1.78	0.4	12.8	11	0.8	6.7	0.3	<0.1	1	27	31.4	<0.1
1368286	Rock	0.063	7.3	25	2.25	3098	0.072	6.96	1.578	1.88	0.9	17.0	18	1.0	6.7	0.5	<0.1	1	24	28.4	<0.1
1368287	Rock	0.083	13.0	22	1.71	3086	0.064	6.37	1.341	1.94	1.1	16.7	29	1.3	7.2	0.5	<0.1	1	20	23.3	<0.1
1368288	Rock	0.081	19.4	47	1.26	3044	0.066	5.92	0.973	2.19	1.2	17.8	39	1.5	8.8	0.8	<0.1	1	16	14.8	0.1
1368289	Rock	0.080	14.8	38	1.55	3154	0.069	6.35	1.203	2.00	0.8	17.0	31	1.3	9.4	0.7	<0.1	1	19	19.1	<0.1
1368290	Rock	0.072	7.7	23	2.04	3279	0.060	6.71	1.299	1.81	0.8	13.6	18	1.0	5.6	0.3	<0.1	1	22	23.0	<0.1
1368291	Rock	0.084	15.5	23	1.50	3343	0.066	6.27	0.996	1.94	1.2	12.1	31	1.2	11.4	0.6	<0.1	1	19	18.5	<0.1
1368292	Rock	0.075	14.9	30	1.68	577	0.064	6.70	0.519	1.92	1.1	13.2	31	1.2	10.9	0.6	<0.1	1	19	20.2	0.4
1368293	Rock	0.074	13.1	28	1.89	569	0.062	6.34	0.740	1.78	1.0	18.0	28	1.0	9.3	0.6	<0.1	1	19	23.8	0.4
1368294	Rock	0.079	14.5	29	1.82	446	0.062	6.32	0.479	1.83	1.0	15.5	31	1.0	11.0	0.7	<0.1	1	18	23.0	0.4
1368295	Rock	0.080	15.5	33	1.56	852	0.065	6.46	0.617	1.95	0.8	18.2	32	1.3	9.6	0.6	<0.1	1	18	19.1	0.2
1368296	Rock	0.077	17.3	40	1.65	445	0.062	6.64	0.560	1.97	0.8	15.6	37	1.2	10.4	0.7	<0.1	2	18	21.7	0.3
1368297	Rock	0.073	7.7	38	1.39	137	0.087	5.49	0.613	2.16	1.3	22.5	23	1.4	6.0	0.9	<0.1	2	16	13.7	0.7
1368298	Rock	0.071	11.8	37	1.10	232	0.089	5.04	0.512	2.17	1.4	20.6	29	1.6	4.6	0.9	<0.1	1	14	12.0	0.4
1368299	Rock	0.055	1.9	30	0.95	98	0.080	4.28	0.335	1.86	2.1	21.0	9	1.5	6.6	0.8	<0.1	1	13	16.3	1.0
1368300	Rock	0.058	4.5	24	2.13	94	0.081	6.15	0.750	1.90	1.4	21.4	14	1.6	6.0	0.5	<0.1	1	20	25.7	1.8
1368301	Rock Pulp	0.064	8.1	50	1.43	500	0.332	6.40	2.290	0.92	22.6	26.4	18	1.0	12.9	4.0	0.3	<1	16	15.9	<0.1
1368302	Rock	0.052	3.7	22	2.06	133	0.068	5.72	0.825	1.55	2.0	15.6	11	1.0	5.5	0.3	<0.1	<1	17	23.9	1.6
1368303	Rock	0.068	11.1	21	1.35	189	0.067	5.89	0.779	1.79	2.4	13.0	26	1.4	8.1	0.5	<0.1	1	17	13.6	0.9
1368304	Rock	0.088	12.5	26	1.32	191	0.068	6.58	1.100	1.99	2.4	13.5	30	1.1	7.4	0.5	<0.1	1	19	12.9	0.7
1368305	Rock	0.082	6.7	26	1.48	131	0.094	6.55	0.569	2.44	2.9	20.7	22	1.1	5.7	0.8	<0.1	<1	20	12.3	1.6
1368306	Rock	0.073	5.4	23	2.03	120	0.091	6.61	0.632	2.27	2.8	21.1	18	1.2	5.6	0.8	<0.1	2	21	17.0	2.2
1368307	Rock	0.064	7.6	16	2.50	214	0.063	6.61	0.761	1.98	1.8	12.2	19	0.8	6.1	0.4	<0.1	1	21	24.9	0.7
1368308	Rock	0.070	8.5	14	2.43	126	0.061	6.48	0.738	1.79	1.7	9.9	21	0.7	4.9	0.4	<0.1	<1	18	26.3	1.0
1368309	Rock	0.065	5.1	<1	3.73	203	0.077	6.56	1.040	1.40	1.5	12.6	14	0.8	3.7	0.4	<0.1	1	17	37.8	0.9
1368310	Rock	0.066	5.2	20	3.33	248	0.075	6.76	0.859	1.67	1.2	14.4	15	0.8	4.2	0.4	<0.1	1	18	47.2	0.7

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Project: KSD
Report Date: October 30, 2014

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CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368281	Rock Pulp	18.6	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368282	Rock	46.7	0.5	0.07	<0.005	<1	<0.5	<0.5
1368283	Rock	45.0	0.5	0.06	<0.005	1	<0.5	<0.5
1368284	Rock	43.8	0.4	0.05	<0.005	1	<0.5	<0.5
1368285	Rock	49.3	0.3	0.07	<0.005	<1	<0.5	<0.5
1368286	Rock	56.8	0.5	0.08	<0.005	1	<0.5	0.5
1368287	Rock	62.6	0.4	0.07	<0.005	<1	<0.5	0.6
1368288	Rock	75.1	0.5	<0.05	<0.005	<1	<0.5	0.7
1368289	Rock	68.7	0.5	0.06	<0.005	<1	<0.5	0.7
1368290	Rock	53.7	0.4	0.08	<0.005	<1	<0.5	0.6
1368291	Rock	59.5	0.3	0.08	<0.005	<1	<0.5	0.7
1368292	Rock	52.0	0.4	0.06	<0.005	1	<0.5	0.6
1368293	Rock	46.1	0.5	0.08	<0.005	1	<0.5	<0.5
1368294	Rock	46.7	0.5	0.07	<0.005	2	<0.5	0.5
1368295	Rock	56.4	0.5	0.06	<0.005	<1	<0.5	0.6
1368296	Rock	50.9	0.4	0.08	<0.005	<1	<0.5	0.5
1368297	Rock	66.0	0.6	0.07	<0.005	1	<0.5	0.7
1368298	Rock	72.3	0.6	0.07	<0.005	2	<0.5	0.8
1368299	Rock	63.7	0.7	0.06	<0.005	2	<0.5	0.7
1368300	Rock	51.3	0.6	<0.05	<0.005	3	<0.5	0.8
1368301	Rock Pulp	19.0	1.0	0.08	<0.005	<1	<0.5	<0.5
1368302	Rock	40.1	0.5	<0.05	<0.005	1	<0.5	0.6
1368303	Rock	53.7	0.4	<0.05	<0.005	2	<0.5	0.6
1368304	Rock	60.5	0.3	0.06	<0.005	<1	<0.5	0.7
1368305	Rock	77.5	0.6	0.07	<0.005	<1	<0.5	0.9
1368306	Rock	65.0	0.6	0.06	<0.005	2	<0.5	0.7
1368307	Rock	37.3	0.3	0.05	<0.005	<1	<0.5	<0.5
1368308	Rock	44.0	0.3	<0.05	<0.005	1	<0.5	<0.5
1368309	Rock	15.7	0.4	0.06	<0.005	<1	<0.5	<0.5
1368310	Rock	24.4	0.4	0.06	<0.005	3	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368311	Rock	3.10	0.052	1.2	79.5	27.8	310	0.8	10.0	18.2	775	4.76	17	0.8	2.3	64	2.8	0.7	<0.1	159	1.63
1368312	Rock	2.71	0.043	1.2	38.4	32.5	148	0.4	9.2	14.6	954	3.94	6	1.2	3.0	93	1.3	0.5	0.1	128	2.90
1368313	Rock	2.30	0.018	0.9	23.9	25.2	126	0.3	9.8	14.5	1014	4.19	6	1.2	3.1	92	0.8	0.3	<0.1	123	2.98
1368314	Rock	2.82	0.016	1.2	23.2	32.8	119	0.3	11.2	16.2	1123	4.56	5	1.1	3.1	87	1.0	0.3	0.1	124	3.05
1368315	Rock	2.80	0.036	1.1	65.2	33.1	277	0.5	11.6	20.4	895	5.31	5	1.1	2.4	59	1.5	0.4	0.1	167	1.85
1368316	Rock	2.81	0.014	0.7	30.3	31.6	158	0.3	12.4	17.1	1075	4.66	4	1.3	3.1	73	1.5	0.4	<0.1	148	2.83
1368317	Rock	2.38	0.016	1.1	18.7	32.1	106	0.3	9.3	14.0	1010	3.69	4	1.1	3.1	79	0.9	0.3	0.1	112	3.23
1368318	Rock	2.48	0.018	1.1	15.6	30.6	140	0.2	9.8	13.4	949	3.94	3	1.3	3.3	66	1.0	0.3	0.1	122	2.76
1368319	Rock	2.61	0.023	1.5	17.5	40.0	210	0.4	11.2	15.3	808	4.24	7	1.6	3.2	55	1.0	0.4	0.6	133	1.96
1368320	Rock	2.99	0.029	1.1	17.4	28.3	184	0.2	12.9	15.6	879	4.18	5	1.2	3.1	66	1.0	0.4	0.4	128	2.57
1368321	Rock Pulp	0.12	<0.005	2.3	24.7	5.0	61	0.2	32.1	14.7	735	3.46	6	0.6	1.5	278	<0.1	0.7	0.1	124	2.76
1368322	Rock	2.24	0.016	1.0	14.2	22.8	134	0.2	9.8	13.4	955	3.60	4	1.3	3.1	59	1.0	0.3	0.1	115	3.17
1368323	Rock	3.06	0.026	1.2	28.6	29.5	182	0.3	10.4	14.2	840	4.07	5	1.5	3.2	53	0.9	0.3	0.2	118	2.63
1368324	Rock	2.24	0.035	1.2	40.7	57.9	249	0.4	10.1	14.7	885	3.96	6	1.4	3.2	57	1.9	0.3	0.3	121	2.77
1368325	Rock	1.86	0.033	0.9	37.2	62.8	255	0.4	10.7	15.6	989	4.08	6	1.4	3.2	59	2.3	0.3	0.3	121	2.99
1368326	Rock	2.38	0.038	1.5	35.8	89.8	273	0.6	7.7	13.4	938	3.51	9	1.0	3.1	64	5.2	0.4	0.4	101	3.43
1368327	Rock	2.09	0.032	1.3	34.6	40.1	248	0.4	11.5	16.0	880	4.36	8	1.1	2.5	59	2.2	0.3	0.2	137	2.76
1368328	Rock	0.96	0.028	0.7	68.2	24.9	282	0.5	15.5	21.7	1467	6.08	10	0.6	1.3	45	0.7	0.5	0.3	237	0.19
1368329	Rock	2.62	0.063	0.7	106.2	16.5	139	1.2	12.6	13.2	664	6.06	6	0.3	1.2	35	0.2	0.3	0.2	270	0.10
1368330	Rock	1.28	0.051	0.3	146.1	21.8	137	1.2	13.9	15.0	1219	6.14	4	0.3	1.2	23	0.3	0.4	0.3	242	0.09
1368331	Rock	2.64	0.055	0.5	126.5	21.2	127	1.0	13.1	20.0	1603	6.27	4	0.5	1.7	25	0.4	0.3	0.2	236	0.08
1368332	Rock	3.07	0.051	0.3	137.9	22.0	127	1.0	11.5	15.8	954	6.24	3	0.5	1.6	27	0.2	0.3	0.2	252	0.08
1368333	Rock	2.42	0.048	0.9	140.6	28.7	141	1.0	11.1	16.5	1248	6.33	4	0.6	1.2	24	0.5	0.4	0.2	226	0.09
1368334	Rock	2.50	0.081	0.8	167.6	33.7	158	1.3	12.2	11.4	595	6.41	5	0.5	1.2	30	0.3	0.4	0.3	247	0.08
1368335	Rock	1.96	0.048	0.7	103.3	29.9	256	1.0	11.5	9.4	390	6.21	6	0.5	1.5	37	0.3	0.5	0.2	236	0.11
1368336	Rock	2.82	0.042	0.5	106.0	250.6	793	1.5	11.5	14.5	586	5.26	7	0.7	3.7	35	1.3	1.2	0.5	175	0.18
1368337	Rock	2.19	0.109	2.1	162.6	5226.3	620	8.0	4.6	5.1	195	5.00	3	0.6	2.5	152	0.7	2.6	1.8	128	0.07
1368338	Rock	2.56	0.156	1.4	973.1	7544.0	>10000	14.8	5.3	11.2	845	5.00	4	0.6	1.3	48	138.4	5.4	2.3	138	0.46
1368339	Rock	3.15	0.203	3.2	679.8	6750.4	>10000	11.1	7.7	15.2	1077	5.24	1	0.7	1.6	32	174.4	3.2	2.0	129	0.27
1368340	Rock	3.02	0.106	1.2	432.2	3266.5	>10000	5.3	10.2	19.7	1369	4.59	3	0.6	2.1	32	154.5	1.8	0.9	150	0.67

CERTIFICATE OF ANALYSIS

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368311	Rock	0.060	6.6	20	2.24	60	0.078	6.54	0.826	2.29	2.2	19.1	19	0.9	5.8	0.6	<0.1	2	18	26.6	1.8
1368312	Rock	0.058	7.9	20	1.81	84	0.075	6.93	1.104	2.64	3.0	28.4	22	1.3	6.4	0.7	<0.1	1	18	12.8	1.7
1368313	Rock	0.060	8.6	19	1.91	84	0.075	6.69	1.219	2.33	2.3	31.7	23	1.4	6.4	0.7	<0.1	1	17	15.8	1.9
1368314	Rock	0.061	7.7	20	2.04	73	0.072	6.71	1.230	2.16	2.5	30.6	21	1.5	6.5	0.7	<0.1	1	18	18.7	2.3
1368315	Rock	0.058	6.5	19	2.94	62	0.078	6.84	0.994	1.93	2.1	24.2	19	0.9	5.0	0.6	<0.1	1	20	25.8	2.4
1368316	Rock	0.068	7.3	19	2.14	78	0.082	7.32	1.667	2.24	2.5	28.7	21	1.4	6.0	0.7	<0.1	1	20	19.6	2.3
1368317	Rock	0.051	7.1	18	1.64	72	0.071	6.27	1.328	1.92	2.8	26.0	19	1.2	5.5	0.7	<0.1	1	16	13.7	1.7
1368318	Rock	0.059	8.2	20	1.71	74	0.076	6.90	1.270	2.33	2.3	28.6	22	1.3	5.4	0.7	<0.1	<1	17	16.2	1.9
1368319	Rock	0.066	8.2	21	1.63	52	0.105	6.98	1.419	2.50	3.0	42.9	22	1.6	5.3	1.1	<0.1	2	18	13.6	2.7
1368320	Rock	0.059	7.1	20	1.69	61	0.105	6.57	1.508	2.38	2.7	41.0	20	1.5	5.8	1.3	<0.1	1	17	13.8	2.4
1368321	Rock Pulp	0.066	7.0	57	1.42	460	0.341	6.26	2.393	0.84	20.8	27.3	16	0.9	12.2	4.0	0.3	<1	16	15.6	<0.1
1368322	Rock	0.053	7.0	16	1.58	82	0.092	6.19	1.138	2.17	2.7	33.8	19	1.3	6.9	1.0	<0.1	<1	16	14.4	2.0
1368323	Rock	0.057	7.3	17	1.46	73	0.093	6.56	1.404	2.17	2.9	38.4	20	1.3	6.0	0.9	<0.1	1	16	15.2	2.6
1368324	Rock	0.058	8.0	18	1.42	76	0.094	6.45	1.197	2.24	2.7	39.2	21	1.2	6.4	1.0	<0.1	1	16	14.2	2.4
1368325	Rock	0.056	7.7	20	1.49	69	0.090	6.54	1.177	2.25	2.5	38.5	20	1.3	6.8	0.9	<0.1	1	16	16.0	2.5
1368326	Rock	0.049	7.2	16	1.08	64	0.090	5.38	0.979	1.93	2.7	37.7	19	1.3	6.6	1.1	<0.1	1	13	10.9	2.7
1368327	Rock	0.056	6.5	21	1.58	52	0.106	6.15	1.036	2.17	3.2	40.3	18	1.5	5.6	1.1	<0.1	1	17	17.4	3.0
1368328	Rock	0.049	3.5	21	2.29	2656	0.081	6.84	1.421	1.92	0.8	12.8	10	0.8	5.8	0.6	<0.1	1	23	31.3	0.1
1368329	Rock	0.053	2.5	15	2.22	2771	0.075	6.94	2.141	1.73	0.8	12.1	7	0.6	3.3	0.3	<0.1	<1	27	24.6	<0.1
1368330	Rock	0.053	2.6	15	2.38	2321	0.077	6.28	2.680	1.19	1.0	12.8	7	0.6	4.1	0.4	<0.1	<1	26	25.4	0.1
1368331	Rock	0.058	3.6	13	2.15	900	0.069	6.73	2.161	1.52	0.8	16.4	11	0.7	5.2	0.3	<0.1	<1	26	24.6	0.3
1368332	Rock	0.053	3.4	11	2.25	2209	0.078	6.66	1.864	1.60	0.8	16.1	10	0.8	4.2	0.4	<0.1	<1	27	23.7	0.1
1368333	Rock	0.054	2.5	10	2.03	2039	0.072	5.98	2.145	1.26	0.7	13.7	7	0.6	5.7	0.4	<0.1	<1	25	23.1	0.1
1368334	Rock	0.058	3.1	12	2.24	2050	0.068	6.30	2.337	1.25	0.7	12.8	9	0.5	4.2	0.3	<0.1	<1	27	24.0	0.1
1368335	Rock	0.078	3.4	18	1.99	2334	0.075	6.59	1.771	1.67	0.6	14.5	10	0.8	4.1	0.4	<0.1	<1	26	24.5	0.2
1368336	Rock	0.079	10.3	34	1.39	4968	0.096	6.29	1.426	2.19	1.3	13.4	23	1.0	4.5	0.6	<0.1	2	19	25.1	<0.1
1368337	Rock	0.062	7.0	21	0.69	538	0.067	4.69	0.513	1.92	1.7	20.7	17	1.4	2.4	0.6	<0.1	2	17	10.5	0.2
1368338	Rock	0.049	2.8	15	0.72	59	0.074	4.26	0.314	1.93	1.7	22.7	11	1.4	5.7	0.6	<0.1	2	16	6.6	1.5
1368339	Rock	0.055	3.3	18	1.09	72	0.064	4.93	0.402	1.78	1.8	21.9	12	1.1	6.4	0.5	<0.1	2	17	12.3	1.9
1368340	Rock	0.066	5.1	21	1.62	114	0.073	5.43	0.520	1.85	2.0	21.3	17	1.2	8.2	0.6	<0.1	1	18	17.7	1.7

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Project: KSD
Report Date: October 30, 2014

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CERTIFICATE OF ANALYSIS

WHI14000248.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368311	Rock	66.2	0.5	0.07	<0.005	3	<0.5	<0.5
1368312	Rock	64.4	0.8	0.05	<0.005	1	<0.5	0.5
1368313	Rock	56.5	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368314	Rock	54.4	0.8	0.07	<0.005	1	<0.5	<0.5
1368315	Rock	53.5	0.7	0.06	<0.005	2	<0.5	<0.5
1368316	Rock	53.2	0.8	<0.05	<0.005	3	<0.5	<0.5
1368317	Rock	50.7	0.7	<0.05	<0.005	1	<0.5	<0.5
1368318	Rock	54.8	0.8	0.07	<0.005	1	<0.5	<0.5
1368319	Rock	65.0	1.1	0.09	<0.005	2	<0.5	<0.5
1368320	Rock	53.5	1.0	0.05	<0.005	1	<0.5	<0.5
1368321	Rock Pulp	15.3	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368322	Rock	49.6	1.0	0.07	<0.005	1	<0.5	<0.5
1368323	Rock	52.1	0.9	0.09	<0.005	2	<0.5	<0.5
1368324	Rock	47.2	1.0	<0.05	<0.005	2	<0.5	<0.5
1368325	Rock	47.1	1.0	0.09	<0.005	2	<0.5	<0.5
1368326	Rock	48.7	1.0	<0.05	<0.005	2	<0.5	<0.5
1368327	Rock	35.3	1.2	<0.05	<0.005	1	<0.5	<0.5
1368328	Rock	44.0	0.3	0.07	<0.005	<1	<0.5	<0.5
1368329	Rock	49.9	0.3	<0.05	<0.005	<1	<0.5	<0.5
1368330	Rock	34.6	0.4	0.08	<0.005	<1	<0.5	<0.5
1368331	Rock	45.2	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368332	Rock	49.5	0.5	0.07	<0.005	<1	<0.5	<0.5
1368333	Rock	37.1	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368334	Rock	37.2	0.4	0.06	<0.005	<1	0.5	<0.5
1368335	Rock	51.1	0.4	0.06	<0.005	2	<0.5	<0.5
1368336	Rock	68.6	0.4	<0.05	<0.005	<1	0.5	0.7
1368337	Rock	68.7	0.6	0.06	<0.005	9	0.9	0.6
1368338	Rock	65.5	0.6	0.09	<0.005	18	1.0	0.6
1368339	Rock	62.1	0.6	0.12	<0.005	20	0.8	0.5
1368340	Rock	61.1	0.5	0.16	<0.005	14	<0.5	0.6

CERTIFICATE OF ANALYSIS

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	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368341	Rock Pulp	0.12	2.052	3.6	35.9	11.0	78	0.5	34.1	15.1	783	4.03	10	0.4	1.3	248	0.2	2.6	0.2	129	2.65
1368342	Rock	4.28	0.048	0.7	195.1	1060.8	3826	2.2	10.5	15.3	1118	4.65	2	0.4	2.6	58	42.3	1.3	0.4	122	2.41
1368343	Rock	3.33	0.025	0.5	69.8	329.6	944	0.9	11.3	13.5	1086	4.23	3	0.5	3.3	76	9.3	0.8	0.1	108	3.70
1368344	Rock	3.08	0.016	0.8	48.2	192.5	674	0.6	11.0	12.9	839	4.29	4	0.7	3.3	67	5.9	0.8	<0.1	120	2.66
1368345	Rock	3.28	0.021	0.6	54.6	136.2	388	0.5	10.7	15.3	755	4.51	5	0.7	3.0	73	3.3	0.8	0.1	134	2.38
1368346	Rock	3.69	0.020	0.6	51.1	109.4	302	0.6	10.3	18.1	1066	4.79	3	0.4	1.5	67	2.2	0.5	<0.1	160	2.83
1368347	Rock	3.13	0.074	1.2	57.5	92.5	276	0.8	12.3	14.7	951	4.43	16	1.0	2.9	88	2.0	1.0	<0.1	138	3.38
1368348	Rock	2.92	0.080	0.7	39.4	91.1	257	0.7	14.5	15.4	1226	4.47	12	0.4	2.1	98	2.4	0.7	0.1	136	4.35
1368349	Rock	2.04	0.023	0.6	26.4	50.2	166	0.3	16.1	17.4	1236	4.56	5	0.4	1.8	83	1.1	0.3	<0.1	141	3.97
1368350	Rock	2.03	0.012	0.5	26.5	48.7	132	0.3	16.1	16.3	1007	4.73	5	0.5	2.0	83	0.7	0.3	<0.1	146	3.55
1368351	Rock	2.00	0.012	0.5	24.1	32.7	145	0.3	15.7	13.2	849	4.53	7	0.3	2.0	94	0.8	0.4	<0.1	155	3.44
1368352	Rock	2.23	0.027	0.3	22.3	30.5	87	0.3	14.7	12.2	945	4.13	10	0.4	2.3	116	0.4	0.6	<0.1	144	4.52
1368353	Rock	1.95	0.016	0.5	20.2	32.7	112	0.2	13.5	12.3	957	4.17	6	0.3	2.4	91	0.8	0.4	<0.1	140	4.21
1368354	Rock	2.59	0.020	0.8	47.9	43.3	173	0.4	12.8	13.1	1190	4.22	6	0.5	3.3	98	1.3	0.5	0.2	143	3.78
1368355	Rock	1.84	0.014	0.9	22.8	34.0	162	0.3	9.3	11.4	996	3.48	4	0.9	3.4	74	1.4	0.4	0.2	121	3.87
1368356	Rock	2.23	0.010	1.5	19.3	34.2	109	0.3	9.1	13.2	995	3.91	6	0.9	3.6	77	0.8	0.3	0.1	127	3.63
1368357	Rock	2.70	0.020	1.5	49.0	35.1	217	0.4	13.1	12.0	770	3.92	6	1.0	3.5	61	0.6	0.3	0.2	140	2.58
1368358	Rock	1.99	0.012	1.2	28.1	36.5	142	0.3	9.8	14.2	840	3.96	6	0.7	3.6	67	0.8	0.3	0.3	110	3.24
1368359	Rock	2.48	0.008	1.0	19.4	27.5	115	0.2	10.0	10.9	881	3.53	7	0.6	3.1	71	0.4	0.3	0.2	107	3.19
1368360	Rock	2.18	0.010	0.8	17.5	26.2	83	0.2	5.8	8.0	600	3.18	5	0.8	4.3	65	0.4	0.4	0.1	71	2.49
1368361	Rock Pulp	0.07	0.005	2.5	26.7	5.5	62	0.3	32.1	15.5	736	3.57	7	0.6	1.5	254	0.2	0.8	<0.1	131	2.81
1368362	Rock	2.16	0.014	0.8	27.9	37.8	117	0.4	9.1	12.7	818	3.99	5	1.0	4.3	84	0.9	0.6	0.2	95	3.36
1368363	Rock	1.10	0.014	1.1	40.2	35.9	171	0.4	10.8	17.3	1095	4.90	8	0.8	3.2	93	1.0	0.4	0.2	148	3.68
1368364	Rock	1.66	0.014	0.9	38.6	24.6	194	0.3	11.5	19.6	1265	5.70	6	0.5	1.9	81	0.7	0.3	0.3	239	3.48
1368365	Rock	2.33	0.016	0.6	31.9	15.2	155	0.3	12.8	22.2	1295	5.86	5	0.5	1.3	71	0.2	0.2	0.3	276	3.12
1368366	Rock	2.10	0.014	0.6	31.4	13.8	122	0.2	10.6	19.8	1248	5.43	6	0.7	2.1	78	0.2	0.3	0.3	206	3.08
1368367	Rock	1.81	0.018	0.7	47.6	14.6	121	0.3	11.5	22.3	1359	5.98	3	0.5	1.7	83	0.2	0.3	0.3	248	3.52
1368368	Rock	1.73	0.018	0.6	53.1	23.5	111	0.3	10.8	20.0	1296	6.39	2	0.6	2.0	143	0.3	0.3	0.3	256	3.80
1368369	Rock	2.18	0.017	0.8	97.1	29.9	123	0.4	11.1	21.8	1313	6.68	4	0.5	1.9	134	0.8	0.5	0.3	301	3.73
1368370	Rock	1.86	0.013	0.6	51.0	32.4	280	0.2	12.7	18.9	1263	5.44	1	0.5	1.4	100	2.1	0.5	0.2	244	3.54

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368341	Rock Pulp	0.063	6.1	50	1.42	480	0.327	6.06	2.336	0.91	23.8	29.3	14	1.0	11.2	4.0	0.3	<1	15	15.4	<0.1
1368342	Rock	0.082	7.3	24	1.56	132	0.064	5.63	0.740	1.54	1.9	16.4	20	0.9	8.2	0.7	<0.1	<1	18	20.5	1.5
1368343	Rock	0.083	9.5	5	1.54	142	0.065	5.71	0.947	1.51	1.6	15.2	23	0.9	8.4	0.8	<0.1	1	17	23.0	1.0
1368344	Rock	0.078	9.6	29	1.36	156	0.065	5.73	0.785	1.70	1.9	24.8	23	0.8	7.7	0.8	<0.1	1	18	24.6	0.7
1368345	Rock	0.074	10.8	24	1.65	129	0.078	5.90	0.965	1.53	1.4	14.1	24	0.6	7.3	0.6	<0.1	1	19	33.3	1.3
1368346	Rock	0.048	4.4	15	1.94	45	0.070	5.31	1.031	1.34	2.2	11.0	12	0.5	5.5	0.4	<0.1	<1	20	28.9	2.1
1368347	Rock	0.067	7.6	27	1.53	82	0.086	6.09	0.798	2.26	2.9	18.4	21	1.1	6.7	0.9	<0.1	1	19	29.3	1.8
1368348	Rock	0.071	5.8	27	1.71	77	0.084	6.23	1.410	2.19	1.8	15.3	16	0.9	6.9	0.7	<0.1	1	18	20.0	1.9
1368349	Rock	0.074	5.2	31	1.99	97	0.080	6.62	1.827	1.99	1.7	19.0	14	1.0	5.6	0.5	<0.1	<1	19	20.9	1.8
1368350	Rock	0.082	6.0	30	1.90	91	0.068	6.91	2.255	1.63	1.1	15.5	17	1.2	5.7	0.4	<0.1	1	20	23.4	1.8
1368351	Rock	0.080	5.5	31	1.89	227	0.064	7.12	2.368	1.59	1.4	16.7	16	1.1	6.3	0.4	<0.1	2	21	32.6	1.4
1368352	Rock	0.078	6.4	26	1.80	367	0.066	7.13	2.398	1.50	1.3	15.3	17	1.0	8.4	0.5	<0.1	1	21	33.4	1.3
1368353	Rock	0.067	6.0	22	1.73	104	0.076	6.71	2.298	1.55	1.2	17.8	16	1.0	8.1	0.7	<0.1	<1	19	28.7	1.5
1368354	Rock	0.067	9.1	28	1.83	181	0.090	7.19	1.639	2.15	1.6	21.7	23	1.1	9.1	0.9	<0.1	1	17	25.3	1.9
1368355	Rock	0.055	8.5	21	1.50	81	0.087	6.46	1.365	1.88	2.1	26.1	23	1.5	10.0	1.0	<0.1	<1	15	16.6	1.9
1368356	Rock	0.055	9.4	20	1.55	58	0.081	6.48	1.509	1.88	1.7	32.8	26	1.2	10.8	0.9	<0.1	<1	15	16.4	2.3
1368357	Rock	0.062	9.6	34	1.73	105	0.088	6.73	1.047	2.25	1.9	29.1	25	1.4	9.7	1.0	<0.1	2	16	19.7	1.8
1368358	Rock	0.054	7.8	19	1.34	57	0.086	6.38	1.458	1.98	1.7	29.5	22	1.6	10.9	1.0	<0.1	<1	14	18.9	2.3
1368359	Rock	0.055	8.3	20	1.27	76	0.084	5.84	1.208	1.85	2.1	27.8	21	1.3	9.8	0.9	<0.1	<1	13	17.1	1.8
1368360	Rock	0.056	11.6	18	0.85	81	0.079	6.44	1.787	1.84	1.7	28.2	29	1.3	10.3	1.0	<0.1	<1	11	11.6	1.7
1368361	Rock Pulp	0.057	7.3	54	1.40	452	0.379	6.20	2.414	0.84	20.6	27.4	16	1.0	14.0	4.0	0.2	<1	15	15.4	<0.1
1368362	Rock	0.063	10.8	25	1.22	61	0.083	6.02	1.301	1.75	1.5	24.3	27	1.3	10.0	1.0	<0.1	2	14	17.3	2.2
1368363	Rock	0.060	8.0	22	1.73	49	0.082	6.58	1.521	1.73	1.1	18.3	20	1.0	9.9	0.7	<0.1	2	17	19.8	2.7
1368364	Rock	0.048	4.7	20	2.38	65	0.089	7.16	1.499	2.07	1.4	12.0	13	0.8	8.0	0.5	<0.1	<1	21	27.8	2.6
1368365	Rock	0.040	3.6	18	2.82	118	0.086	7.78	1.491	1.93	1.1	8.8	11	0.7	7.1	0.4	<0.1	1	23	30.8	2.2
1368366	Rock	0.054	5.6	17	2.40	91	0.085	7.43	1.758	1.71	1.4	15.4	15	1.1	9.8	0.4	<0.1	<1	21	23.2	2.2
1368367	Rock	0.052	5.2	16	2.53	156	0.084	7.29	1.754	1.43	1.5	8.9	14	0.7	9.5	0.3	<0.1	<1	23	26.8	2.1
1368368	Rock	0.058	7.3	14	2.36	512	0.075	7.32	1.589	1.21	1.3	8.3	18	0.8	12.4	0.3	<0.1	1	24	27.6	1.4
1368369	Rock	0.051	6.0	14	2.49	497	0.083	7.54	1.464	1.42	1.5	7.4	16	0.9	11.1	0.3	<0.1	2	25	28.6	1.3
1368370	Rock	0.051	4.4	19	2.27	443	0.080	7.26	1.571	1.67	1.2	7.7	12	0.7	9.1	0.4	<0.1	<1	21	26.6	1.3

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Project: KSD
Report Date: October 30, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368341	Rock Pulp	13.8	1.0	0.06	<0.005	<1	<0.5	<0.5
1368342	Rock	40.1	0.4	0.09	<0.005	6	0.6	0.6
1368343	Rock	44.5	0.4	<0.05	<0.005	2	<0.5	<0.5
1368344	Rock	40.3	0.4	<0.05	<0.005	2	<0.5	0.6
1368345	Rock	36.8	0.4	0.11	<0.005	<1	<0.5	0.6
1368346	Rock	31.5	0.3	<0.05	<0.005	2	<0.5	<0.5
1368347	Rock	50.3	0.5	<0.05	0.007	1	<0.5	0.6
1368348	Rock	51.4	0.5	0.08	<0.005	2	<0.5	0.5
1368349	Rock	44.9	0.6	<0.05	<0.005	1	<0.5	<0.5
1368350	Rock	39.1	0.4	<0.05	<0.005	<1	<0.5	<0.5
1368351	Rock	36.8	0.4	<0.05	<0.005	1	<0.5	<0.5
1368352	Rock	40.0	0.4	<0.05	<0.005	<1	0.5	<0.5
1368353	Rock	40.2	0.5	0.07	<0.005	2	<0.5	<0.5
1368354	Rock	46.1	0.6	0.07	<0.005	1	<0.5	0.6
1368355	Rock	55.1	0.8	<0.05	0.009	2	<0.5	0.5
1368356	Rock	57.1	1.0	<0.05	0.009	<1	<0.5	<0.5
1368357	Rock	51.8	0.9	0.05	0.009	<1	<0.5	<0.5
1368358	Rock	56.8	0.8	0.06	<0.005	<1	<0.5	<0.5
1368359	Rock	53.9	0.8	0.14	<0.005	2	<0.5	<0.5
1368360	Rock	59.8	0.8	0.06	<0.005	2	<0.5	0.5
1368361	Rock Pulp	14.5	1.1	<0.05	<0.005	1	<0.5	<0.5
1368362	Rock	52.2	0.7	<0.05	<0.005	1	<0.5	0.5
1368363	Rock	54.0	0.5	<0.05	<0.005	4	<0.5	<0.5
1368364	Rock	43.8	0.3	0.08	<0.005	1	<0.5	<0.5
1368365	Rock	38.1	0.3	0.09	<0.005	<1	<0.5	0.5
1368366	Rock	42.7	0.5	0.06	0.005	<1	<0.5	<0.5
1368367	Rock	35.7	0.3	0.07	0.009	3	<0.5	<0.5
1368368	Rock	29.9	0.3	0.08	<0.005	<1	<0.5	<0.5
1368369	Rock	32.1	0.2	0.10	<0.005	<1	0.5	<0.5
1368370	Rock	32.6	0.2	0.08	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368371	Rock	1.92	0.012	1.2	52.0	29.9	696	0.3	14.2	15.4	1081	5.24	2	0.7	1.4	71	6.6	0.4	0.2	240	2.42
1368376	Rock	2.53	0.045	1.0	65.2	16.8	155	0.8	15.8	13.2	763	5.46	10	0.7	2.8	39	0.2	0.6	0.4	204	0.12
1368377	Rock	3.03	0.041	0.7	24.6	23.5	151	0.5	10.2	9.2	620	4.81	11	0.9	4.2	34	0.4	0.8	0.3	107	0.19
1368378	Rock	2.78	0.138	0.8	23.1	23.1	125	0.9	13.7	12.1	602	3.93	14	1.0	5.4	34	0.3	0.9	0.2	97	0.29
1368379	Rock	2.73	0.058	0.9	26.4	35.1	190	1.8	16.0	15.2	538	3.60	17	2.0	5.9	39	1.3	0.8	0.2	98	0.28
1368380	Rock	3.29	0.036	1.0	39.3	165.4	768	1.0	15.6	24.9	1142	4.00	10	1.3	5.6	68	7.3	0.8	0.3	110	0.64
1368381	Rock Pulp	0.13	1.889	3.5	34.3	9.0	68	0.3	35.8	15.4	760	3.96	9	0.5	1.5	256	0.3	2.8	0.2	137	2.69
1368382	Rock	2.67	0.018	0.4	55.3	74.8	574	0.6	14.5	11.9	623	4.92	6	0.9	3.9	51	4.4	0.7	<0.1	149	0.23
1368383	Rock	2.42	0.019	0.5	76.2	121.9	710	0.7	9.2	8.4	662	5.03	5	0.5	2.9	29	0.8	0.5	0.3	155	0.08
1368384	Rock	2.92	0.013	0.3	62.6	62.4	669	0.3	7.8	2.9	303	4.53	3	0.4	2.5	36	1.9	0.5	<0.1	155	0.09
1368385	Rock	2.99	0.137	0.4	31.4	50.4	319	0.3	11.6	12.2	783	4.09	6	0.6	3.8	74	2.8	0.5	<0.1	122	2.43
1368386	Rock	2.99	0.016	0.4	38.2	47.0	433	0.3	12.7	20.0	1117	5.21	5	0.6	3.3	86	2.9	0.4	0.2	178	2.88
1368387	Rock	3.27	0.053	1.6	235.8	482.6	1076	2.4	13.5	25.4	1394	6.12	5	0.5	1.9	73	5.6	0.4	0.7	217	2.32
1368388	Rock	2.97	0.044	0.9	114.6	533.1	758	1.9	14.9	25.5	1221	5.74	3	0.3	1.3	61	5.8	0.3	0.5	227	2.48
1368389	Rock	2.95	0.024	0.7	57.6	86.3	569	0.6	13.5	26.2	1602	5.97	5	0.4	1.4	64	3.9	0.4	0.1	218	3.40
1368390	Rock	2.97	0.021	0.6	42.6	77.6	628	0.5	12.8	25.7	1341	6.92	4	0.6	1.5	59	3.8	0.3	0.2	254	2.32
1368391	Rock	2.12	0.027	1.3	77.5	82.2	781	0.7	15.2	27.3	1400	6.37	5	1.3	2.2	56	5.6	0.7	<0.1	207	1.95
1368392	Rock	2.23	0.268	1.9	47.0	26.4	336	0.6	17.2	17.9	894	4.66	8	0.9	3.5	74	2.3	0.8	0.1	142	2.42

CERTIFICATE OF ANALYSIS

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368371	Rock	0.050	4.3	29	2.39	476	0.089	7.80	1.829	1.87	1.3	9.9	12	0.8	7.6	0.3	<0.1	2	22	27.4	1.3
1368376	Rock	0.063	8.7	33	2.16	2863	0.090	6.47	1.279	1.95	1.5	18.7	21	0.9	6.9	0.6	<0.1	<1	21	22.9	<0.1
1368377	Rock	0.089	12.7	30	1.55	2714	0.065	6.05	1.104	1.90	0.7	18.3	29	0.9	8.6	0.5	<0.1	2	17	16.6	<0.1
1368378	Rock	0.083	18.3	38	1.26	2847	0.069	6.01	1.147	2.16	1.0	17.3	40	1.0	11.6	0.7	<0.1	2	15	15.0	<0.1
1368379	Rock	0.075	17.1	46	1.06	2645	0.079	5.66	0.800	2.38	1.2	17.7	39	1.7	11.0	0.9	<0.1	2	14	10.8	0.2
1368380	Rock	0.082	19.4	47	1.34	3494	0.072	5.85	1.106	1.96	1.2	17.2	43	1.3	15.9	0.7	<0.1	1	15	15.9	0.2
1368381	Rock Pulp	0.068	7.0	57	1.42	465	0.381	6.34	2.361	0.89	24.2	27.8	17	1.0	14.3	4.0	0.3	<1	15	14.6	<0.1
1368382	Rock	0.072	11.4	42	1.87	3384	0.079	6.23	1.380	1.74	1.0	15.1	27	1.0	8.4	0.7	<0.1	2	18	20.8	0.1
1368383	Rock	0.065	7.5	28	1.79	2683	0.065	5.82	1.373	1.48	0.9	14.8	18	0.6	5.5	0.6	<0.1	2	19	18.3	<0.1
1368384	Rock	0.060	7.8	28	1.39	2807	0.070	6.15	1.787	1.62	0.9	13.0	19	0.7	4.7	0.5	<0.1	<1	18	13.0	<0.1
1368385	Rock	0.075	13.0	28	1.41	569	0.058	6.50	0.865	1.93	1.6	12.6	29	0.8	10.4	0.4	<0.1	1	18	12.6	0.6
1368386	Rock	0.071	10.5	35	2.28	91	0.088	6.85	0.457	2.35	1.6	16.1	26	1.1	10.1	0.7	<0.1	<1	21	21.4	2.0
1368387	Rock	0.055	6.6	23	3.17	83	0.083	6.98	0.674	1.63	0.9	14.3	18	0.7	7.7	0.5	<0.1	1	23	33.9	2.3
1368388	Rock	0.047	4.6	21	2.91	86	0.081	7.04	0.807	1.69	0.9	7.4	13	0.8	7.3	0.3	<0.1	<1	23	32.9	2.5
1368389	Rock	0.041	4.5	20	2.74	78	0.093	6.36	0.221	1.86	1.6	8.2	13	1.0	8.6	0.6	<0.1	2	23	30.7	2.5
1368390	Rock	0.047	5.3	17	2.99	80	0.092	7.38	0.715	1.88	0.9	9.8	15	0.7	8.5	0.4	<0.1	<1	26	30.7	2.4
1368391	Rock	0.056	6.8	18	3.39	149	0.082	7.07	0.386	1.72	0.9	17.5	18	0.8	7.9	0.5	<0.1	<1	21	44.0	1.8
1368392	Rock	0.064	12.0	36	2.90	539	0.081	6.17	0.983	1.29	1.1	29.3	27	0.9	7.3	0.9	<0.1	<1	16	40.6	0.9

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Project: KSD
Report Date: October 30, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368371	Rock	41.8	0.3	0.09	0.006	1	<0.5	<0.5
1368376	Rock	62.1	0.6	0.06	<0.005	<1	<0.5	<0.5
1368377	Rock	65.0	0.6	0.10	<0.005	<1	<0.5	0.6
1368378	Rock	73.3	0.6	<0.05	<0.005	<1	<0.5	0.7
1368379	Rock	81.0	0.5	0.11	<0.005	<1	<0.5	0.7
1368380	Rock	67.2	0.6	0.08	<0.005	<1	<0.5	0.7
1368381	Rock Pulp	17.0	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368382	Rock	54.2	0.4	<0.05	<0.005	1	<0.5	0.6
1368383	Rock	49.4	0.4	<0.05	<0.005	<1	<0.5	<0.5
1368384	Rock	52.3	0.4	<0.05	<0.005	1	<0.5	<0.5
1368385	Rock	58.7	0.3	0.06	<0.005	2	<0.5	0.5
1368386	Rock	53.5	0.4	<0.05	<0.005	2	<0.5	0.6
1368387	Rock	36.1	0.4	<0.05	0.007	2	0.5	<0.5
1368388	Rock	39.7	0.3	0.13	<0.005	5	0.5	<0.5
1368389	Rock	30.3	0.2	0.09	<0.005	3	<0.5	<0.5
1368390	Rock	45.5	0.3	0.12	<0.005	2	<0.5	<0.5
1368391	Rock	30.7	0.5	0.12	<0.005	1	<0.5	<0.5
1368392	Rock	34.0	0.8	<0.05	<0.005	2	<0.5	<0.5

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1368262	Rock	2.53	0.025	0.4	40.2	23.8	103	0.3	10.2	24.8	1208	6.13	6	0.4	1.7	109	0.3	0.3	0.2	260	4.29
REP 1368262	QC	0.047																			
1368264	Rock	1.33	0.017	0.3	9.8	19.1	43	0.1	7.6	9.8	670	3.98	7	0.3	2.1	111	0.2	0.6	0.1	126	4.39
REP 1368264	QC	0.2 12.0 19.3 45 0.1 7.2 10.0 665 3.81 7 0.3 2.1 112 0.3 0.6 0.1 124 4.41																			
1368275	Rock	2.87	0.059	0.4	45.3	20.0	113	0.5	11.2	23.2	1692	5.59	24	0.6	1.9	133	0.6	0.8	0.3	182	4.74
REP 1368275	QC	0.055																			
1368276	Rock	2.52	0.049	0.2	52.0	23.4	135	0.4	10.7	20.2	1520	5.65	10	0.3	1.2	124	0.4	0.4	0.4	240	4.12
REP 1368276	QC	0.039																			
1368299	Rock	2.30	0.085	1.5	55.0	71.9	1415	1.3	11.7	11.5	421	3.27	13	1.3	1.7	354	15.3	0.8	0.1	97	0.37
REP 1368299	QC	1.7 59.1 73.4 1415 1.2 11.9 12.1 380 3.28 14 1.4 1.6 349 15.1 0.9 0.1 96 0.40																			
1368335	Rock	1.96	0.048	0.7	103.3	29.9	256	1.0	11.5	9.4	390	6.21	6	0.5	1.5	37	0.3	0.5	0.2	236	0.11
REP 1368335	QC	0.8 106.5 31.8 267 0.9 11.8 9.3 373 6.21 6 0.5 1.4 38 0.3 0.5 0.2 238 0.12																			
1368337	Rock	2.19	0.109	2.1	162.6	5226.3	620	8.0	4.6	5.1	195	5.00	3	0.6	2.5	152	0.7	2.6	1.8	128	0.07
REP 1368337	QC	0.127																			
1368345	Rock	3.28	0.021	0.6	54.6	136.2	388	0.5	10.7	15.3	755	4.51	5	0.7	3.0	73	3.3	0.8	0.1	134	2.38
REP 1368345	QC	0.019 0.5 57.9 136.7 403 0.6 11.2 15.4 779 4.70 4 0.8 3.2 77 3.2 0.9 <0.1 136 2.41																			
1368370	Rock	1.86	0.013	0.6	51.0	32.4	280	0.2	12.7	18.9	1263	5.44	1	0.5	1.4	100	2.1	0.5	0.2	244	3.54
REP 1368370	QC	0.9 50.9 33.4 276 0.2 13.1 19.5 1265 5.46 4 0.4 1.3 97 1.9 0.3 0.2 249 3.61																			
Core Reject Duplicates																					
1368260	Rock	3.18	0.025	0.3	36.5	22.7	123	0.4	10.1	23.0	1324	5.36	10	0.5	1.8	105	0.7	0.5	0.3	215	4.85
DUP 1368260	QC	0.027 0.2 36.8 23.0 128 0.3 9.9 21.9 1321 5.40 12 0.6 1.9 102 0.7 0.5 0.3 212 4.83																			
1368298	Rock	3.04	0.072	2.9	32.9	87.7	445	1.2	12.3	6.5	261	3.70	19	1.3	4.7	172	2.0	1.0	0.2	101	0.17
DUP 1368298	QC	0.075 2.8 32.0 86.9 466 1.3 12.4 6.7 264 3.77 20 1.3 4.7 172 2.0 1.2 0.2 99 0.18																			
1368336	Rock	2.82	0.042	0.5	106.0	250.6	793	1.5	11.5	14.5	586	5.26	7	0.7	3.7	35	1.3	1.2	0.5	175	0.18
DUP 1368336	QC	0.041 0.6 104.8 239.0 757 1.4 11.9 15.0 576 5.07 5 0.7 4.2 35 1.4 1.0 0.7 171 0.16																			
1368378	Rock	2.78	0.138	0.8	23.1	23.1	125	0.9	13.7	12.1	602	3.93	14	1.0	5.4	34	0.3	0.9	0.2	97	0.29
DUP 1368378	QC	0.147 0.6 22.6 22.2 118 0.7 12.4 11.0 568 3.80 16 1.0 5.3 33 0.5 0.7 0.2 97 0.29																			
Reference Materials																					

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Method Analyte Unit MDL		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
1368262	Rock	0.071	5.1	12	2.01	725	0.061	7.57	1.957	1.56	1.3	15.0	14	0.8	4.4	0.3	<0.1	1	25	34.6	1.2
REP 1368262	QC																				
1368264	Rock	0.126	5.9	7	1.28	424	0.055	7.64	3.998	0.90	0.9	17.1	17	0.4	8.6	0.3	<0.1	1	17	29.2	0.1
REP 1368264	QC	0.131	5.8	7	1.29	440	0.058	7.47	3.800	0.88	0.9	18.1	17	0.5	6.8	0.3	<0.1	<1	17	28.4	0.1
1368275	Rock	0.055	6.7	13	2.39	133	0.068	6.89	1.233	1.63	1.0	10.7	18	0.7	6.6	0.3	<0.1	<1	21	54.5	2.1
REP 1368275	QC																				
1368276	Rock	0.051	4.2	12	2.69	440	0.069	6.80	1.504	1.36	0.8	7.1	12	0.8	5.1	0.3	<0.1	<1	24	35.6	1.4
REP 1368276	QC																				
1368299	Rock	0.055	1.9	30	0.95	98	0.080	4.28	0.335	1.86	2.1	21.0	9	1.5	6.6	0.8	<0.1	1	13	16.3	1.0
REP 1368299	QC	0.052	2.0	28	0.95	106	0.079	4.52	0.329	1.95	2.1	21.9	9	1.7	6.5	0.9	<0.1	2	13	16.7	1.0
1368335	Rock	0.078	3.4	18	1.99	2334	0.075	6.59	1.771	1.67	0.6	14.5	10	0.8	4.1	0.4	<0.1	<1	26	24.5	0.2
REP 1368335	QC	0.079	3.2	18	1.96	2553	0.076	6.34	1.838	1.72	0.8	15.5	10	0.7	4.1	0.4	<0.1	<1	25	25.5	0.2
1368337	Rock	0.062	7.0	21	0.69	538	0.067	4.69	0.513	1.92	1.7	20.7	17	1.4	2.4	0.6	<0.1	2	17	10.5	0.2
REP 1368337	QC																				
1368345	Rock	0.074	10.8	24	1.65	129	0.078	5.90	0.965	1.53	1.4	14.1	24	0.6	7.3	0.6	<0.1	1	19	33.3	1.3
REP 1368345	QC	0.067	10.2	25	1.70	143	0.077	5.98	0.977	1.66	1.6	14.6	24	0.8	8.4	0.8	<0.1	<1	19	32.3	1.3
1368370	Rock	0.051	4.4	19	2.27	443	0.080	7.26	1.571	1.67	1.2	7.7	12	0.7	9.1	0.4	<0.1	<1	21	26.6	1.3
REP 1368370	QC	0.052	4.7	17	2.31	412	0.080	7.26	1.546	1.56	1.1	7.8	12	0.8	8.6	0.3	<0.1	1	22	27.2	1.4
Core Reject Duplicates																					
1368260	Rock	0.057	6.0	10	1.84	105	0.067	7.16	1.755	2.12	1.6	11.6	16	0.7	5.4	0.3	<0.1	1	22	24.4	2.1
DUP 1368260	QC	0.060	6.1	10	1.82	77	0.072	7.16	1.743	2.14	1.3	12.1	17	0.8	5.8	0.3	<0.1	1	23	23.5	2.1
1368298	Rock	0.071	11.8	37	1.10	232	0.089	5.04	0.512	2.17	1.4	20.6	29	1.6	4.6	0.9	<0.1	1	14	12.0	0.4
DUP 1368298	QC	0.076	12.6	37	1.09	232	0.087	5.21	0.503	2.20	1.4	22.1	30	1.7	4.8	0.9	<0.1	1	14	11.3	0.3
1368336	Rock	0.079	10.3	34	1.39	4968	0.096	6.29	1.426	2.19	1.3	13.4	23	1.0	4.5	0.6	<0.1	2	19	25.1	<0.1
DUP 1368336	QC	0.082	10.2	34	1.39	4715	0.094	6.38	1.393	2.16	1.1	13.0	23	1.1	4.3	0.9	<0.1	1	19	27.1	<0.1
1368378	Rock	0.083	18.3	38	1.26	2847	0.069	6.01	1.147	2.16	1.0	17.3	40	1.0	11.6	0.7	<0.1	2	15	15.0	<0.1
DUP 1368378	QC	0.079	16.7	37	1.26	2699	0.066	6.14	1.097	2.18	1.0	17.5	37	1.0	11.0	0.6	<0.1	2	16	13.7	<0.1
Reference Materials																					

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Project: KSD
Report Date: October 30, 2014

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
1368262	Rock	28.9	0.4	0.06	<0.005	1	<0.5	<0.5
REP 1368262	QC							
1368264	Rock	21.1	0.4	0.05	<0.005	<1	<0.5	<0.5
REP 1368264	QC	20.4	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368275	Rock	39.7	0.3	<0.05	<0.005	1	<0.5	<0.5
REP 1368275	QC							
1368276	Rock	21.8	0.2	0.09	<0.005	1	0.5	<0.5
REP 1368276	QC							
1368299	Rock	63.7	0.7	0.06	<0.005	2	<0.5	0.7
REP 1368299	QC	64.9	0.7	0.05	<0.005	2	<0.5	0.7
1368335	Rock	51.1	0.4	0.06	<0.005	2	<0.5	<0.5
REP 1368335	QC	47.4	0.4	0.07	<0.005	2	<0.5	<0.5
1368337	Rock	68.7	0.6	0.06	<0.005	9	0.9	0.6
REP 1368337	QC							
1368345	Rock	36.8	0.4	0.11	<0.005	<1	<0.5	0.6
REP 1368345	QC	36.9	0.5	0.07	<0.005	2	<0.5	0.6
1368370	Rock	32.6	0.2	0.08	<0.005	<1	<0.5	<0.5
REP 1368370	QC	31.4	0.2	0.10	<0.005	<1	<0.5	<0.5
Core Reject Duplicates								
1368260	Rock	49.6	0.3	<0.05	<0.005	3	<0.5	<0.5
DUP 1368260	QC	53.7	0.3	<0.05	<0.005	2	<0.5	<0.5
1368298	Rock	72.3	0.6	0.07	<0.005	2	<0.5	0.8
DUP 1368298	QC	74.4	0.6	<0.05	<0.005	3	<0.5	0.8
1368336	Rock	68.6	0.4	<0.05	<0.005	<1	0.5	0.7
DUP 1368336	QC	69.1	0.4	0.07	<0.005	1	<0.5	0.6
1368378	Rock	73.3	0.6	<0.05	<0.005	<1	<0.5	0.7
DUP 1368378	QC	69.1	0.5	<0.05	<0.005	1	<0.5	0.6
Reference Materials								

QUALITY CONTROL REPORT

WHI14000248.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.3	36.2	24.7	42	<0.1	46.7	7.7	491	6.69	9	2.6	14.4	42	<0.1	0.6	0.2	153	0.28
STD OREAS25A-4A	Standard			2.5	34.2	25.3	46	<0.1	46.0	7.9	486	6.62	10	2.6	14.1	40	<0.1	0.6	0.2	162	0.28
STD OREAS25A-4A	Standard			2.3	33.4	24.6	42	<0.1	45.0	7.4	479	6.57	10	2.6	13.6	41	0.1	0.5	0.5	161	0.28
STD OREAS25A-4A	Standard			2.3	31.6	25.7	44	<0.1	48.0	7.7	473	6.70	14	2.8	14.5	43	<0.1	0.6	0.3	175	0.26
STD OREAS25A-4A	Standard			2.3	33.6	24.4	47	0.3	47.7	8.0	497	6.42	12	2.7	14.4	41	<0.1	0.6	0.3	158	0.27
STD OREAS45E	Standard			2.4	809.3	19.3	47	0.3	497.5	59.1	570	24.75	17	2.4	12.8	15	<0.1	0.9	0.2	329	0.07
STD OREAS45E	Standard			2.3	797.1	19.7	53	0.4	488.4	58.8	560	23.85	17	2.4	10.5	14	<0.1	0.8	0.1	326	0.07
STD OREAS45E	Standard			2.5	807.6	19.5	48	0.3	494.1	58.5	563	24.61	17	2.5	11.9	14	<0.1	0.9	0.3	334	0.07
STD OREAS45E	Standard			2.1	810.3	17.3	46	0.3	466.3	57.8	553	24.83	17	2.3	11.7	16	<0.1	0.9	0.2	335	0.08
STD OREAS45E	Standard			2.1	776.2	17.8	45	0.3	457.8	59.0	581	24.46	18	2.2	10.9	15	<0.1	0.9	0.2	317	0.08
STD OXD108	Standard		0.420																		
STD OXD108	Standard		0.414																		
STD OXD108	Standard		0.409																		
STD OXD108	Standard		0.421																		
STD OXI121	Standard		1.832																		
STD OXI121	Standard		1.821																		
STD OXI121	Standard		1.803																		
STD OXI121	Standard		1.828																		
STD OXN117	Standard		7.760																		
STD OXN117	Standard		7.871																		
STD OXN117	Standard		7.819																		
STD OXN117	Standard		7.898																		
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

QUALITY CONTROL REPORT

WHI14000248.1

		MA200 P %	MA200 La ppm	MA200 Cr ppm	MA200 Mg %	MA200 Ba ppm	MA200 Ti %	MA200 Al %	MA200 Na %	MA200 K %	MA200 W ppm	MA200 Zr ppm	MA200 Ce ppm	MA200 Sn ppm	MA200 Y ppm	MA200 Nb ppm	MA200 Ta ppm	MA200 Be ppm	MA200 Sc ppm	MA200 Li ppm	MA200 S %
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS25A-4A	Standard	0.049	20.0	109	0.29	148	0.943	9.22	0.134	0.48	1.9	148.6	45	4.0	9.2	19.5	1.5	1	13	38.5	<0.1
STD OREAS25A-4A	Standard	0.050	18.4	112	0.30	146	1.012	8.98	0.142	0.47	2.2	161.6	43	4.0	8.9	21.3	1.6	1	14	39.5	<0.1
STD OREAS25A-4A	Standard	0.048	18.1	111	0.30	153	0.947	8.95	0.139	0.50	2.0	148.6	43	3.8	8.3	19.0	1.4	<1	13	40.1	<0.1
STD OREAS25A-4A	Standard	0.042	20.0	118	0.33	136	0.951	9.06	0.118	0.47	1.8	150.1	47	3.4	10.6	19.7	1.5	2	9	35.3	<0.1
STD OREAS25A-4A	Standard	0.045	16.5	120	0.30	140	0.993	8.12	0.119	0.47	1.9	149.9	40	3.4	8.9	19.7	1.4	<1	12	39.2	<0.1
STD OREAS45E	Standard	0.036	11.0	1032	0.16	256	0.489	7.03	0.052	0.34	1.1	100.8	24	1.2	7.4	6.3	0.6	<1	99	6.9	<0.1
STD OREAS45E	Standard	0.036	6.2	989	0.14	246	0.479	6.53	0.050	0.34	1.1	101.5	20	1.2	5.2	6.4	0.5	<1	92	7.2	<0.1
STD OREAS45E	Standard	0.037	8.1	1020	0.15	262	0.494	6.78	0.051	0.35	0.9	101.3	20	1.2	5.9	6.2	0.5	<1	95	7.4	<0.1
STD OREAS45E	Standard	0.035	10.3	965	0.16	241	0.525	6.80	0.056	0.35	0.9	96.9	24	1.3	8.1	6.3	0.5	<1	93	6.8	<0.1
STD OREAS45E	Standard	0.030	6.8	986	0.14	227	0.556	6.65	0.050	0.33	0.9	95.0	18	0.9	5.8	6.2	0.5	<1	88	6.4	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
BLK	Blank																				
BLK	Blank																				

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: October 30, 2014

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QUALITY CONTROL REPORT

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		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OREAS25A-4A	Standard	59.0	4.3	0.06	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	57.5	4.6	<0.05	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	56.2	4.1	0.07	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	56.9	4.2	0.06	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	50.7	4.3	<0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	22.1	3.0	0.08	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	19.1	3.2	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.3	3.0	0.08	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.6	2.9	0.20	<0.005	6	<0.5	<0.5
STD OREAS45E	Standard	18.7	2.8	0.06	<0.005	2	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXD108 Expected								
STD OXN117 Expected								
STD OXI121 Expected								
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank							
BLK	Blank							

QUALITY CONTROL REPORT

WHI14000248.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.2	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.2	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	0.1	<1	<0.01
BLK	Blank			<0.1	0.1	0.2	<1	<0.1	0.1	<0.2	<1	<0.01	3	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	0.7	5.5	3.9	40	<0.1	1.1	4.4	642	2.04	4	1.1	2.5	184	<0.1	0.1	0.5	36	1.51
ROCK-WHI	Prep Blank		<0.005	0.5	6.0	4.3	47	<0.1	0.9	4.3	661	2.01	3	1.1	2.6	189	0.1	0.1	0.5	33	1.54

QUALITY CONTROL REPORT

WHI14000248.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	0.2	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	3	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
Prep Wash																					
ROCK-WHI	Prep Blank	0.039	11.4	2	0.51	874	0.180	7.04	3.394	1.78	0.4	57.7	24	1.4	13.9	5.7	0.4	1	7	3.5	<0.1
ROCK-WHI	Prep Blank	0.043	11.9	2	0.49	913	0.181	6.85	3.284	1.87	0.4	58.7	25	0.6	14.2	5.8	0.4	<1	6	3.5	<0.1

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: October 30, 2014

Page: 3 of 3

Part: 3 of 3

QUALITY CONTROL REPORT

WHI14000248.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5
Prep Wash								
ROCK-WHI	Prep Blank	36.4	1.7	<0.05	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	37.7	1.8	<0.05	<0.005	<1	<0.5	<0.5

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 16, 2014
Report Date: November 01, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI14000249.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-10-16
P.O. Number
Number of Samples: 89

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	84	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	88	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	88	4 Acid digestion ICP-MS analysis	0.25	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.

CERTIFICATE OF ANALYSIS

WHI14000249.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368393	Rock	2.36	0.065	3.3	72.2	23.7	313	0.5	33.5	19.0	485	5.07	12	1.9	6.7	81	1.6	0.5	0.1	130	2.64
1368394	Rock	2.48	0.015	1.5	42.7	26.5	261	0.3	21.3	20.2	501	5.27	5	1.2	3.9	57	1.3	0.4	<0.1	158	1.78
1368395	Rock	2.69	0.010	1.7	33.2	22.0	182	0.3	26.7	17.5	494	5.67	3	1.2	4.9	46	0.8	0.4	0.1	137	1.56
1368396	Rock	2.43	0.010	1.1	39.1	26.3	128	0.4	13.3	19.2	925	5.52	10	1.4	3.5	78	0.5	0.9	0.2	189	2.53
1368397	Rock	2.29	0.160	1.4	41.6	22.1	93	0.5	12.0	17.9	943	4.73	13	1.3	3.6	80	0.4	0.7	0.2	143	2.84
1368398	Rock	2.53	0.023	0.5	26.7	17.8	109	0.4	11.9	14.8	1026	5.12	12	1.8	3.7	86	0.3	0.9	0.1	207	3.55
1368399	Rock	1.84	0.006	0.6	22.7	9.2	84	0.2	14.1	13.3	1387	4.45	4	0.9	2.5	114	0.2	0.5	<0.1	195	5.54
1368400	Rock	2.02	0.195	0.2	25.7	10.4	89	0.3	11.7	15.4	1401	4.66	4	1.1	2.9	151	0.3	0.6	<0.1	214	5.98
1368401	Rock Pulp	0.13	1.910	3.7	35.2	9.8	69	0.4	33.9	16.0	796	4.17	10	0.7	2.1	248	0.2	2.8	0.1	129	2.82
1368402	Rock	2.58	0.019	0.8	21.2	15.3	100	0.2	15.4	14.1	1220	4.20	4	0.9	3.2	105	0.3	0.5	<0.1	160	5.14
1368403	Rock	2.09	0.014	0.6	23.2	14.4	118	0.2	16.9	14.1	1146	4.46	3	0.9	2.6	77	0.4	0.4	<0.1	164	4.17
1368404	Rock	2.46	0.008	0.9	17.7	16.7	103	0.2	19.0	14.8	1168	4.70	3	0.9	3.0	90	0.3	0.5	<0.1	169	4.53
1368405	Rock	2.56	0.007	0.8	17.7	16.8	93	0.2	18.4	13.9	1159	4.65	3	0.9	3.0	96	0.2	0.5	0.1	165	4.63
1368406	Rock	2.35	0.007	0.5	14.7	17.0	78	0.1	16.9	13.3	1062	4.53	2	1.0	3.1	96	0.1	0.6	<0.1	144	4.36
1368407	Rock	2.27	0.017	0.8	29.7	17.4	94	0.2	16.5	13.8	1299	4.57	2	0.8	3.0	93	0.2	0.5	<0.1	140	5.29
1368408	Rock	2.20	0.009	0.9	28.7	28.2	76	0.2	19.6	18.6	960	5.35	4	1.0	3.0	101	0.1	0.7	<0.1	156	3.69
1368409	Rock	2.49	0.013	0.9	30.1	25.8	76	0.2	19.9	20.2	1061	5.35	4	1.1	3.0	90	0.2	0.7	<0.1	152	3.78
1368410	Rock	2.67	0.012	1.2	24.3	22.4	92	0.3	18.0	18.1	1015	5.17	4	1.2	2.8	75	0.5	0.5	<0.1	152	3.31
1368411	Rock	2.76	0.015	1.0	40.1	25.4	213	0.4	17.4	16.7	981	4.98	4	1.2	2.9	74	1.1	0.4	<0.1	148	3.38
1368412	Rock	2.65	0.013	1.3	37.4	23.8	130	0.3	14.8	15.8	958	4.76	5	1.2	3.1	69	0.8	0.5	<0.1	140	3.41
1368413	Rock	2.80	0.012	0.9	35.1	26.6	163	0.3	15.2	17.6	1016	4.94	4	1.3	3.4	71	1.0	0.5	<0.1	149	3.68
1368414	Rock	2.51	0.012	1.2	38.9	24.3	166	0.3	13.7	17.0	1175	4.77	4	1.0	3.1	74	0.9	0.6	0.1	145	4.29
1368415	Rock	3.13	0.014	1.2	43.8	23.9	170	0.3	15.1	16.1	1107	4.85	5	1.2	3.0	76	1.1	0.5	<0.1	144	3.98
1368416	Rock	3.31	0.010	0.8	27.1	21.5	120	0.2	12.9	15.2	1142	4.38	4	1.0	3.4	77	0.7	0.6	0.1	139	4.34
1368417	Rock	2.57	0.017	1.3	25.9	28.9	140	0.3	13.2	16.1	1030	4.80	7	1.4	3.8	77	0.5	0.4	0.1	138	4.03
1368418	Rock	1.99	0.015	0.7	23.6	15.9	155	0.2	13.4	12.4	998	4.39	3	0.8	3.2	80	0.8	0.5	<0.1	133	4.25
1368419	Rock	1.87	0.012	0.9	17.1	30.4	59	0.2	13.3	15.7	874	5.02	5	0.9	3.2	246	0.4	0.8	<0.1	148	5.14
1368420	Rock	2.09	0.024	1.0	31.1	30.0	88	0.2	13.6	17.2	746	5.15	6	1.1	3.0	247	0.5	0.8	<0.1	146	4.66
1368421	Rock	2.30	<0.005	1.4	13.1	28.6	64	<0.1	13.0	15.5	862	4.78	5	1.0	3.3	277	0.5	1.2	<0.1	152	5.45
1368422	Rock	2.64	0.007	1.6	25.6	14.3	71	0.2	9.5	13.2	800	3.86	7	1.5	5.0	103	0.3	0.8	<0.1	112	3.63

CERTIFICATE OF ANALYSIS

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368393	Rock	0.077	21.1	69	3.44	1035	0.069	6.23	1.093	1.09	1.1	54.7	40	2.6	7.8	1.2	<0.1	<1	16	47.3	0.4
1368394	Rock	0.060	12.0	43	3.13	685	0.084	6.68	0.637	1.77	1.1	30.0	25	1.1	5.4	0.7	<0.1	1	19	50.9	0.5
1368395	Rock	0.075	13.7	61	3.50	699	0.064	6.33	0.928	1.14	1.2	33.9	29	1.2	4.8	0.8	<0.1	<1	16	52.6	0.7
1368396	Rock	0.052	11.5	21	2.99	1367	0.083	7.59	0.563	2.02	1.0	12.3	24	1.1	5.8	0.5	<0.1	1	23	57.6	0.5
1368397	Rock	0.057	10.4	21	2.00	49	0.082	7.18	0.875	2.43	1.3	30.2	24	1.2	6.3	0.6	<0.1	1	19	29.5	2.4
1368398	Rock	0.063	11.4	19	2.27	95	0.102	6.69	0.758	1.97	1.2	15.4	25	1.1	6.8	0.8	<0.1	2	23	44.0	1.4
1368399	Rock	0.064	8.6	22	2.14	106	0.085	7.79	2.057	1.58	0.7	10.9	20	0.9	7.3	0.5	<0.1	1	23	34.6	1.7
1368400	Rock	0.049	11.3	14	2.00	95	0.100	7.17	1.876	1.59	1.2	12.5	24	1.0	7.6	0.6	<0.1	<1	23	31.1	1.5
1368401	Rock Pulp	0.066	9.7	52	1.48	531	0.391	6.91	2.355	0.97	26.5	36.0	19	1.2	13.4	4.1	0.3	<1	16	18.3	<0.1
1368402	Rock	0.079	10.0	28	1.95	81	0.102	7.72	2.154	1.63	1.1	15.2	23	1.0	7.5	0.7	<0.1	1	22	27.7	1.7
1368403	Rock	0.074	7.4	34	2.23	108	0.107	7.54	2.087	1.65	1.0	13.2	17	1.1	5.6	0.7	<0.1	1	21	25.2	1.9
1368404	Rock	0.081	9.4	35	2.24	127	0.131	7.91	2.393	1.54	1.1	12.2	22	1.1	8.6	0.8	<0.1	1	22	25.6	1.6
1368405	Rock	0.080	9.8	35	2.20	424	0.133	7.94	2.471	1.41	1.2	11.7	22	1.1	9.3	1.0	<0.1	<1	22	27.6	1.2
1368406	Rock	0.081	10.1	33	2.09	603	0.129	7.70	2.545	1.05	1.2	11.6	23	0.9	10.6	1.0	<0.1	<1	20	32.2	1.0
1368407	Rock	0.078	10.0	32	2.08	130	0.120	7.62	2.255	1.39	1.2	11.5	22	1.3	12.0	0.7	<0.1	1	20	26.4	1.4
1368408	Rock	0.085	9.6	38	2.17	93	0.139	8.07	2.557	1.50	1.2	17.8	23	1.5	14.0	1.0	<0.1	<1	22	26.7	1.5
1368409	Rock	0.082	9.3	38	2.10	67	0.115	7.85	2.359	1.54	1.4	17.3	21	1.2	13.7	0.9	<0.1	1	21	25.0	1.8
1368410	Rock	0.082	7.5	34	2.04	66	0.095	7.71	2.054	1.71	1.5	19.3	19	1.2	11.3	0.7	<0.1	1	21	20.7	2.6
1368411	Rock	0.082	7.7	34	1.89	50	0.101	7.66	1.858	1.88	1.6	18.0	19	1.2	10.6	0.7	<0.1	2	21	18.9	2.8
1368412	Rock	0.069	8.4	30	1.77	48	0.117	7.17	1.769	1.76	2.1	17.3	20	1.3	11.1	1.0	<0.1	1	19	16.7	2.1
1368413	Rock	0.071	8.3	26	2.01	89	0.123	7.60	1.962	1.75	1.8	19.7	21	1.4	9.8	1.0	<0.1	2	21	19.2	1.9
1368414	Rock	0.067	9.1	29	2.00	60	0.111	6.92	1.636	1.49	1.9	14.9	20	1.0	11.1	0.8	<0.1	1	20	21.3	1.8
1368415	Rock	0.073	8.0	32	2.07	47	0.100	7.06	1.658	1.56	1.8	14.6	20	0.9	9.6	0.7	<0.1	2	21	32.1	2.1
1368416	Rock	0.073	8.4	26	1.93	64	0.096	7.29	1.985	1.50	1.5	17.9	20	1.3	11.4	0.8	<0.1	<1	20	25.3	1.7
1368417	Rock	0.072	10.8	27	1.80	48	0.108	7.43	2.007	1.71	1.6	21.4	26	1.3	13.5	0.8	<0.1	1	19	19.8	2.1
1368418	Rock	0.086	8.3	27	1.76	78	0.108	7.63	2.735	1.34	1.5	13.7	20	0.7	14.1	0.7	<0.1	1	21	16.6	1.7
1368419	Rock	0.089	10.2	27	1.78	690	0.173	7.88	2.751	0.72	1.3	9.8	23	0.8	19.2	1.1	<0.1	<1	22	19.1	0.6
1368420	Rock	0.092	11.8	27	1.73	648	0.198	8.03	2.952	0.68	1.5	10.7	26	1.0	18.8	1.3	<0.1	<1	21	18.9	0.8
1368421	Rock	0.095	12.2	26	1.73	483	0.292	8.25	3.320	0.54	1.7	11.2	27	1.0	21.5	1.9	0.1	<1	23	19.8	0.4
1368422	Rock	0.074	12.9	19	1.36	143	0.172	7.67	2.697	1.60	2.4	26.1	31	1.3	16.6	1.8	0.1	1	17	15.3	1.2

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Project: KSD
Report Date: November 01, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368393	Rock	31.9	1.4	<0.05	<0.005	1	0.7	<0.5
1368394	Rock	35.4	0.7	<0.05	<0.005	2	<0.5	<0.5
1368395	Rock	19.7	1.0	<0.05	<0.005	1	<0.5	<0.5
1368396	Rock	55.9	0.3	<0.05	<0.005	<1	<0.5	0.5
1368397	Rock	77.6	0.9	0.07	<0.005	1	<0.5	0.7
1368398	Rock	53.3	0.4	0.10	<0.005	<1	<0.5	0.5
1368399	Rock	51.5	0.3	0.06	<0.005	1	<0.5	<0.5
1368400	Rock	55.5	0.4	<0.05	<0.005	2	<0.5	<0.5
1368401	Rock Pulp	22.4	1.1	<0.05	<0.005	<1	<0.5	<0.5
1368402	Rock	52.9	0.5	0.05	<0.005	<1	0.6	<0.5
1368403	Rock	41.5	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368404	Rock	44.6	0.3	<0.05	<0.005	<1	<0.5	<0.5
1368405	Rock	41.6	0.4	0.08	<0.005	<1	<0.5	<0.5
1368406	Rock	34.3	0.4	0.06	<0.005	<1	<0.5	<0.5
1368407	Rock	49.8	0.3	0.06	<0.005	<1	<0.5	<0.5
1368408	Rock	45.2	0.4	0.06	<0.005	<1	<0.5	<0.5
1368409	Rock	45.3	0.4	0.06	<0.005	<1	<0.5	<0.5
1368410	Rock	49.2	0.5	<0.05	0.008	2	<0.5	<0.5
1368411	Rock	53.8	0.5	0.07	<0.005	2	<0.5	<0.5
1368412	Rock	56.0	0.5	0.05	<0.005	3	<0.5	<0.5
1368413	Rock	51.3	0.5	<0.05	<0.005	2	<0.5	<0.5
1368414	Rock	48.4	0.5	0.12	<0.005	2	<0.5	<0.5
1368415	Rock	45.4	0.4	<0.05	<0.005	2	<0.5	<0.5
1368416	Rock	44.6	0.5	0.08	<0.005	<1	<0.5	<0.5
1368417	Rock	50.6	0.5	0.11	<0.005	2	<0.5	<0.5
1368418	Rock	44.1	0.4	0.07	<0.005	<1	<0.5	<0.5
1368419	Rock	24.1	0.3	<0.05	<0.005	<1	<0.5	<0.5
1368420	Rock	20.2	0.3	0.06	<0.005	2	<0.5	<0.5
1368421	Rock	17.6	0.3	<0.05	<0.005	<1	<0.5	<0.5
1368422	Rock	55.6	0.8	<0.05	<0.005	1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000249.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368423	Rock	3.06	0.040	0.8	55.7	26.8	109	0.4	12.1	23.4	1418	5.57	14	1.5	3.5	150	0.6	2.3	0.2	268	5.85
1368424	Rock	1.28	0.012	0.9	56.7	13.1	83	0.4	12.4	17.0	1325	4.48	9	1.0	3.8	83	0.3	0.6	0.3	127	4.36
1394651	Rock	1.53	0.029	0.7	383.7	1930.2	1476	1.5	19.6	27.4	1627	6.66	6	0.7	1.7	43	5.3	0.7	0.5	253	0.19
1394652	Rock	1.45	0.063	1.9	743.3	4019.3	1725	7.5	15.7	23.3	1624	7.16	4	0.8	1.6	37	7.5	1.1	3.0	244	0.34
1394653	Rock	3.52	0.035	0.9	387.8	1329.0	1154	3.1	15.3	25.1	1390	6.50	4	0.4	1.7	53	6.4	0.5	1.4	230	1.85
1394654	Rock	1.50	0.011	0.2	113.4	87.3	265	0.5	15.5	28.8	1167	6.52	3	0.3	1.3	62	1.5	0.3	0.3	239	2.83
1394655	Rock	1.97	<0.005	0.5	43.6	31.7	104	0.2	11.3	20.6	1107	5.46	2	0.4	2.2	67	0.5	0.2	0.2	187	3.16
1394656	Rock	1.57	0.009	0.5	50.9	20.7	180	0.4	12.6	19.7	1145	5.81	2	0.5	2.1	51	0.8	0.2	0.3	225	2.20
1394657	Rock	1.86	0.019	0.6	76.1	19.3	133	0.4	15.1	28.7	1368	6.22	2	0.4	1.9	83	0.7	0.4	0.3	233	3.81
1394658	Rock	1.61	0.028	0.6	63.6	17.8	134	0.5	18.3	33.8	1718	6.81	2	0.6	1.5	65	0.5	0.3	0.3	229	2.33
1394659	Rock	1.85	0.021	0.5	48.5	14.6	128	0.4	14.3	32.5	1347	7.05	4	0.6	1.8	53	0.2	0.3	0.4	259	1.69
1394660	Rock	1.80	0.029	0.6	29.6	12.0	114	0.3	14.5	30.7	1490	6.75	4	0.4	1.3	77	0.4	0.3	0.4	236	3.22
1394661	Rock Pulp	0.12	2.009	3.8	35.4	9.9	72	0.5	35.2	16.9	810	4.28	10	0.6	1.8	245	0.2	2.8	0.1	130	2.92
1394662	Rock	1.45	0.295	0.8	36.3	17.3	203	0.6	18.2	37.4	1504	7.35	4	0.8	1.9	58	1.3	0.3	0.4	270	1.39
1394663	Rock	1.87	0.130	1.0	26.5	14.1	142	0.4	13.6	24.3	1405	6.20	4	0.6	1.8	75	0.6	0.3	0.3	259	2.19
1394664	Rock	2.99	0.025	1.2	30.1	11.4	122	0.4	12.9	24.5	1302	6.58	3	0.4	1.5	69	0.4	0.3	0.3	242	2.49
1394665	Rock	2.42	0.023	1.2	25.2	11.0	105	0.4	9.9	21.2	1286	5.73	2	0.3	1.7	76	0.5	0.2	0.3	210	3.14
1394666	Rock	1.47	0.024	0.9	30.8	12.6	114	0.4	12.1	24.6	1321	6.19	3	0.6	2.0	93	0.3	0.3	0.4	212	3.39
1394667	Rock	2.21	0.025	0.5	23.6	11.9	117	0.3	13.5	24.3	1674	6.59	3	0.5	1.5	120	0.2	0.3	0.4	260	4.52
1394668	Rock	2.08	2.134	0.5	75.0	12.4	121	1.6	13.5	27.9	1631	6.31	4	0.5	1.4	132	0.5	0.2	0.3	233	4.52
1394669	Rock	2.77	0.601	0.4	37.0	12.5	113	0.4	14.5	40.4	1533	7.46	5	0.5	1.5	111	0.5	0.2	0.4	223	4.02
1394670	Rock	2.99	0.088	0.3	37.7	11.4	107	0.4	10.3	35.2	1759	7.24	4	0.4	1.7	121	0.2	0.2	0.3	221	4.99
1394671	Rock	2.84	0.063	0.5	33.2	12.8	90	0.3	8.2	32.0	1586	6.73	4	0.5	1.9	136	0.1	0.4	0.3	217	4.97
1394672	Rock	3.20	0.134	0.4	73.9	10.2	101	0.4	7.3	34.8	1741	6.70	5	0.5	1.9	120	0.3	0.4	0.3	211	5.05
1394673	Rock	1.96	0.137	0.4	71.2	8.6	123	0.4	11.7	28.3	1663	6.39	5	0.6	1.8	103	0.5	0.4	0.3	196	4.71
1394674	Rock	1.39	0.030	0.6	67.8	6.9	176	0.3	17.4	24.8	1665	6.34	4	0.6	1.4	92	0.6	0.3	0.2	219	4.57
1394675	Rock	1.27	0.025	0.4	66.3	7.1	175	0.4	17.1	25.1	1723	6.43	4	0.6	1.3	93	0.6	0.3	0.2	216	4.73
1394676	Rock	1.91	0.015	0.7	30.7	8.3	152	0.2	10.1	17.5	1347	5.25	3	0.2	0.9	68	0.6	0.2	0.2	217	3.85
1394677	Rock	3.65	0.275	1.0	54.6	8.7	182	0.3	15.3	21.4	1678	5.65	4	0.3	1.2	84	0.6	0.4	0.3	221	4.42
1394678	Rock	2.08	0.016	0.5	53.8	11.2	200	0.3	13.9	26.5	1723	6.42	4	0.4	1.5	97	0.8	0.4	0.3	223	4.82

CERTIFICATE OF ANALYSIS

WHI14000249.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368423	Rock	0.048	12.1	19	2.05	175	0.246	7.72	1.611	1.47	1.9	18.4	26	1.1	14.0	1.2	0.1	<1	26	46.9	1.3
1368424	Rock	0.060	10.0	22	1.71	174	0.115	6.86	1.897	1.70	1.0	26.6	22	1.7	10.5	0.9	<0.1	1	17	23.2	1.0
1394651	Rock	0.056	4.8	29	2.40	2860	0.093	7.09	1.514	1.96	1.3	9.5	13	0.9	5.3	0.5	<0.1	<1	26	31.1	<0.1
1394652	Rock	0.059	5.0	27	2.36	966	0.087	6.92	1.107	2.27	2.6	8.9	13	1.1	4.9	0.3	<0.1	1	25	27.7	0.3
1394653	Rock	0.057	4.9	20	2.19	65	0.076	7.46	1.265	2.23	2.0	7.7	13	0.8	4.9	0.3	<0.1	<1	25	22.5	1.6
1394654	Rock	0.056	4.1	19	2.55	54	0.086	7.52	1.827	1.83	1.5	6.6	12	0.8	4.9	0.3	<0.1	<1	25	31.0	2.0
1394655	Rock	0.057	4.7	10	1.72	49	0.091	7.26	2.056	1.98	1.6	13.2	13	1.0	6.8	0.5	<0.1	1	20	18.0	3.0
1394656	Rock	0.050	5.1	11	2.09	44	0.090	7.16	1.961	1.92	1.5	15.5	14	1.0	6.3	0.5	<0.1	<1	22	22.5	2.3
1394657	Rock	0.044	5.0	16	2.57	79	0.089	6.81	1.697	1.54	1.4	14.6	13	0.9	7.2	0.4	<0.1	<1	23	27.6	2.6
1394658	Rock	0.055	4.0	17	2.45	45	0.080	7.07	0.795	2.05	1.5	8.1	12	0.8	8.1	0.2	<0.1	<1	26	30.3	3.3
1394659	Rock	0.059	6.1	16	2.61	78	0.069	7.78	1.875	1.54	1.3	5.6	15	0.7	5.7	0.2	<0.1	1	27	43.0	1.7
1394660	Rock	0.054	4.6	15	2.54	45	0.080	6.94	2.114	1.62	1.6	5.5	13	0.7	5.9	0.2	<0.1	<1	26	24.9	3.2
1394661	Rock Pulp	0.064	8.4	57	1.49	538	0.403	6.70	2.380	0.99	25.8	29.6	18	1.0	12.7	4.1	0.3	<1	16	18.0	<0.1
1394662	Rock	0.069	7.0	18	2.35	63	0.086	8.21	1.931	2.14	2.0	9.3	18	1.0	7.5	0.3	<0.1	1	29	30.2	2.0
1394663	Rock	0.070	6.5	16	2.26	65	0.086	8.09	2.155	2.10	1.7	8.9	17	1.3	5.7	0.3	<0.1	<1	28	30.2	2.1
1394664	Rock	0.068	4.4	11	2.35	41	0.080	7.20	1.918	1.89	2.5	8.1	12	1.0	4.6	0.3	<0.1	1	25	24.9	3.5
1394665	Rock	0.059	4.7	10	2.18	46	0.080	6.55	1.650	1.82	4.2	8.5	13	1.0	5.5	0.3	<0.1	<1	22	22.1	2.8
1394666	Rock	0.067	6.4	14	2.26	133	0.074	7.57	1.762	2.02	2.9	8.5	16	1.0	4.9	0.3	<0.1	1	21	23.4	2.5
1394667	Rock	0.055	5.2	15	2.47	98	0.077	7.33	1.151	2.24	2.5	6.4	13	1.1	5.7	0.2	<0.1	1	23	22.7	1.9
1394668	Rock	0.055	5.2	13	2.12	112	0.070	7.41	1.226	2.63	2.1	5.6	13	0.8	5.7	0.2	<0.1	1	22	18.3	1.8
1394669	Rock	0.052	4.5	10	2.05	44	0.068	7.40	1.486	2.22	1.2	6.6	12	0.8	6.6	0.2	<0.1	1	23	26.4	3.7
1394670	Rock	0.052	5.7	8	2.20	56	0.061	7.26	1.351	1.88	1.0	6.6	14	1.2	7.6	0.2	<0.1	<1	22	25.8	3.4
1394671	Rock	0.054	7.0	8	1.95	148	0.062	7.23	1.600	1.51	0.9	6.1	16	0.9	8.2	0.2	<0.1	<1	22	25.5	1.9
1394672	Rock	0.057	7.6	6	2.01	100	0.076	7.25	1.994	1.43	1.3	8.5	17	1.1	9.0	0.2	<0.1	<1	22	20.4	2.2
1394673	Rock	0.050	7.7	14	2.31	133	0.088	7.35	2.705	1.33	1.3	11.9	17	0.8	7.5	0.3	<0.1	<1	22	16.9	2.4
1394674	Rock	0.039	5.9	19	3.02	283	0.089	7.55	2.489	1.60	1.2	9.6	14	0.6	4.9	0.3	<0.1	<1	26	17.7	2.1
1394675	Rock	0.038	5.9	17	3.04	223	0.086	7.34	2.457	1.51	1.2	9.0	12	0.8	5.0	0.3	<0.1	<1	26	17.9	2.2
1394676	Rock	0.045	2.9	14	2.26	87	0.083	6.60	1.507	1.98	1.9	6.8	7	0.8	5.1	0.3	<0.1	1	21	20.7	1.8
1394677	Rock	0.043	4.5	21	2.67	132	0.093	6.92	1.846	1.85	2.6	8.5	10	0.8	5.5	0.3	<0.1	1	22	18.4	1.9
1394678	Rock	0.041	5.4	15	2.74	72	0.085	7.18	1.553	1.74	1.4	7.2	13	0.7	7.8	0.2	<0.1	1	25	23.1	2.6

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Project: KSD
Report Date: November 01, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368423	Rock	54.8	0.5	<0.05	<0.005	<1	<0.5	<0.5
1368424	Rock	50.5	0.7	<0.05	<0.005	<1	<0.5	<0.5
1394651	Rock	54.7	0.3	0.06	<0.005	1	0.6	<0.5
1394652	Rock	63.4	0.2	0.08	<0.005	3	1.7	<0.5
1394653	Rock	61.2	0.2	0.10	<0.005	4	0.8	<0.5
1394654	Rock	43.3	0.2	0.09	<0.005	2	<0.5	<0.5
1394655	Rock	56.1	0.4	0.06	<0.005	2	<0.5	<0.5
1394656	Rock	53.4	0.5	<0.05	<0.005	2	<0.5	<0.5
1394657	Rock	33.7	0.4	<0.05	<0.005	3	<0.5	<0.5
1394658	Rock	54.4	0.2	0.07	<0.005	2	<0.5	<0.5
1394659	Rock	46.2	0.2	0.08	<0.005	3	<0.5	<0.5
1394660	Rock	39.5	0.1	0.09	<0.005	3	<0.5	<0.5
1394661	Rock Pulp	18.8	0.9	0.06	<0.005	<1	<0.5	<0.5
1394662	Rock	63.1	0.3	0.11	<0.005	1	<0.5	<0.5
1394663	Rock	60.8	0.3	0.07	<0.005	3	<0.5	<0.5
1394664	Rock	48.1	0.2	<0.05	0.006	4	<0.5	<0.5
1394665	Rock	44.6	0.2	<0.05	<0.005	3	<0.5	<0.5
1394666	Rock	38.9	0.3	0.07	<0.005	2	<0.5	<0.5
1394667	Rock	37.4	0.2	0.07	<0.005	1	<0.5	<0.5
1394668	Rock	42.1	0.1	0.08	<0.005	1	0.7	<0.5
1394669	Rock	44.8	0.2	0.08	<0.005	3	<0.5	<0.5
1394670	Rock	41.4	0.2	<0.05	<0.005	1	<0.5	<0.5
1394671	Rock	37.6	0.2	<0.05	<0.005	<1	<0.5	<0.5
1394672	Rock	43.1	0.2	0.05	<0.005	<1	<0.5	<0.5
1394673	Rock	40.3	0.3	0.06	<0.005	2	<0.5	<0.5
1394674	Rock	44.0	0.3	<0.05	<0.005	<1	<0.5	<0.5
1394675	Rock	42.4	0.3	0.07	<0.005	1	<0.5	<0.5
1394676	Rock	39.7	0.2	0.06	<0.005	2	<0.5	<0.5
1394677	Rock	41.6	0.3	<0.05	<0.005	<1	<0.5	<0.5
1394678	Rock	41.0	0.2	<0.05	<0.005	1	0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000249.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394679	Rock	1.19	0.064	0.4	53.4	17.4	226	0.3	14.8	26.8	1825	6.81	3	0.5	1.4	149	0.7	0.5	0.3	268	5.37
1394680	Rock	2.17	0.018	0.7	53.8	16.9	230	0.2	20.7	22.2	1690	6.49	3	0.3	1.0	112	0.6	0.5	0.2	269	4.52
1394681	Rock Pulp	0.13	<0.005	2.9	27.5	5.8	63	0.2	33.4	14.7	771	3.72	7	0.6	1.8	265	0.3	0.7	<0.1	122	2.95
1394682	Rock	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.
1394683	Rock	2.23	0.015	0.6	58.1	23.7	217	0.3	20.6	24.6	1793	6.19	3	0.4	1.1	140	0.9	0.5	0.3	262	5.56
1394684	Rock	2.60	0.019	0.6	40.3	19.4	370	0.2	24.0	24.4	1739	5.94	3	0.3	1.1	90	1.2	0.4	0.2	242	5.07
1394685	Rock	1.66	0.016	1.0	63.5	23.0	231	0.3	19.2	26.2	1780	6.35	3	0.4	1.2	124	1.1	0.5	0.3	247	5.32
1394686	Rock	2.14	0.123	1.1	42.6	27.6	169	0.5	16.9	14.9	1043	4.69	13	0.8	4.6	42	0.9	0.7	0.3	137	0.49
1394687	Rock	2.98	0.204	1.1	62.7	33.2	256	1.1	15.3	15.2	1375	4.39	13	0.8	4.3	37	2.7	0.7	0.3	136	0.42
1394688	Rock	2.59	0.087	0.8	87.1	60.3	244	0.7	13.0	13.9	692	4.62	15	0.8	4.6	34	1.4	0.8	0.2	129	0.35
1394689	Rock	1.67	0.019	0.8	43.2	28.7	187	0.4	10.3	13.8	1018	4.47	5	1.0	4.4	51	1.2	0.3	0.2	109	1.44
1394690	Rock	1.35	0.008	0.5	18.6	25.8	141	0.3	13.6	17.3	1186	4.78	4	0.7	2.4	73	0.8	0.2	0.2	115	3.22
1394691	Rock	1.93	0.019	0.6	41.5	74.6	287	0.4	10.3	15.3	735	4.57	9	0.9	4.2	80	2.3	0.4	0.1	104	2.00
1394692	Rock	1.67	0.052	0.5	93.0	278.6	639	1.4	10.9	12.2	686	4.14	6	0.6	4.1	65	12.4	0.6	0.3	101	1.95
1394693	Rock	1.74	0.115	0.9	63.7	24.6	199	0.7	14.9	17.9	978	4.76	11	1.0	3.2	67	1.8	0.4	0.2	135	1.87
1394694	Rock	1.97	0.011	0.6	17.6	11.9	88	0.2	12.5	15.8	994	4.55	5	1.0	2.6	79	0.2	0.3	0.1	124	3.38
1394695	Rock	1.79	0.013	0.4	30.5	19.1	69	0.3	9.5	14.9	996	4.48	9	0.5	2.8	118	0.2	0.4	0.1	129	4.48
1394696	Rock	1.85	0.010	0.6	24.6	13.4	85	0.2	12.6	19.1	1099	5.08	7	0.4	2.2	106	0.4	0.4	<0.1	144	4.40
1394697	Rock	1.76	0.013	0.7	20.8	9.6	105	0.2	15.1	17.8	1098	5.06	4	0.5	2.0	85	0.4	0.2	<0.1	132	3.82
1394698	Rock	1.72	0.427	1.1	22.1	30.7	90	0.9	14.1	16.7	1196	4.52	7	0.6	2.2	101	1.0	0.3	0.3	134	3.27
1394699	Rock	1.83	0.175	1.0	36.3	20.3	110	0.8	15.3	16.2	1058	4.92	10	0.6	2.8	79	1.0	0.4	0.1	148	1.98
1394700	Rock	1.78	0.028	0.5	22.9	16.9	71	0.2	12.4	14.6	928	4.58	6	0.5	2.9	111	0.2	0.5	<0.1	138	3.24
1394701	Rock Pulp	0.12	2.004	3.1	35.4	9.4	71	0.4	35.8	15.6	784	4.11	10	0.6	1.8	253	0.3	2.9	0.1	128	2.79
1394702	Rock	2.48	0.068	0.6	23.5	20.0	98	0.2	13.1	14.5	1069	4.56	5	0.3	2.9	142	0.4	0.3	<0.1	141	5.06
1394703	Rock	1.23	0.025	0.6	27.2	16.8	86	0.3	11.2	12.8	866	4.09	5	0.5	2.4	97	0.5	0.4	<0.1	135	4.23
1394704	Rock	1.62	0.121	0.7	35.7	17.2	96	0.4	12.5	14.4	1200	4.51	5	0.4	3.0	98	0.6	0.5	0.2	131	3.83
1394705	Rock	2.49	0.135	0.6	31.9	16.3	81	0.3	12.6	15.1	1511	4.41	7	0.5	2.7	109	0.4	0.5	0.1	134	4.03
1394706	Rock	2.04	0.039	0.7	36.8	18.8	76	0.4	12.1	16.4	1481	4.43	7	0.5	2.9	109	0.4	0.6	0.1	130	4.03
1394707	Rock	2.31	0.044	1.0	38.2	21.7	82	0.4	13.6	19.5	1852	4.78	7	0.6	3.0	112	0.5	0.6	0.1	151	4.13

CERTIFICATE OF ANALYSIS

WHI14000249.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
1394679	Rock	0.041	6.1	16	2.85	192	0.074	7.69	1.453	1.22	1.0	5.8	13	0.9	10.0	0.2	<0.1	<1	30	26.9	1.8
1394680	Rock	0.042	3.9	32	3.49	686	0.086	7.83	1.396	1.53	1.2	4.4	10	0.7	8.3	0.2	<0.1	<1	27	31.0	1.1
1394681	Rock Pulp	0.066	8.9	51	1.41	497	0.384	6.56	2.396	0.92	23.1	27.3	18	0.9	12.9	4.1	0.3	1	16	16.5	<0.1
1394682	Rock	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.
1394683	Rock	0.039	4.8	32	3.24	791	0.089	7.89	1.186	1.38	1.5	3.5	11	0.6	10.6	0.2	<0.1	<1	30	27.8	1.2
1394684	Rock	0.033	4.3	48	3.20	186	0.092	7.60	1.224	1.49	2.0	3.0	10	0.7	8.6	0.3	<0.1	1	25	28.3	1.9
1394685	Rock	0.036	5.3	34	3.12	463	0.095	7.84	1.296	1.45	1.6	3.8	12	0.7	10.4	0.3	<0.1	<1	29	30.3	1.7
1394686	Rock	0.063	14.9	41	1.32	3537	0.089	5.79	0.710	2.27	1.7	13.9	29	1.6	8.2	0.8	<0.1	2	18	19.8	0.1
1394687	Rock	0.063	14.8	36	1.16	2864	0.081	5.17	0.864	2.21	1.7	13.1	31	1.1	7.2	0.7	<0.1	1	17	18.2	0.2
1394688	Rock	0.070	14.1	33	1.34	1738	0.081	5.54	1.360	2.13	2.4	17.4	29	1.4	5.2	0.7	<0.1	1	17	18.6	0.2
1394689	Rock	0.075	12.2	19	0.98	143	0.082	7.23	2.021	2.41	1.4	31.7	28	1.6	6.0	0.6	<0.1	2	17	12.1	0.9
1394690	Rock	0.064	5.8	21	1.57	53	0.081	6.36	1.462	2.02	2.0	24.5	16	1.0	6.2	0.5	<0.1	1	17	15.5	2.3
1394691	Rock	0.073	13.1	19	1.46	142	0.074	6.79	0.871	2.19	1.6	19.3	30	1.3	6.0	0.6	<0.1	1	18	22.0	0.9
1394692	Rock	0.072	12.7	27	1.31	140	0.073	6.47	0.752	2.43	1.9	16.5	28	1.4	4.9	0.6	<0.1	1	17	17.6	0.9
1394693	Rock	0.070	8.3	21	1.24	53	0.088	6.86	1.246	2.65	1.8	25.1	22	1.3	7.0	0.7	<0.1	1	18	11.3	2.0
1394694	Rock	0.062	7.5	18	1.62	53	0.075	6.37	1.422	2.17	1.4	27.7	21	1.4	5.5	0.6	<0.1	<1	16	15.9	2.2
1394695	Rock	0.069	8.6	15	1.63	92	0.073	6.71	2.252	1.35	1.6	14.2	19	1.0	7.3	0.4	<0.1	<1	18	20.7	1.4
1394696	Rock	0.073	5.9	19	1.73	56	0.077	6.75	2.099	1.66	1.4	15.1	15	1.1	6.0	0.5	<0.1	1	19	20.5	2.1
1394697	Rock	0.067	5.1	24	1.77	40	0.069	6.62	1.914	1.79	1.5	13.4	14	0.9	5.3	0.4	<0.1	1	18	19.2	2.9
1394698	Rock	0.077	5.4	26	1.00	77	0.069	7.11	2.966	1.88	2.3	11.1	15	0.9	5.8	0.3	<0.1	1	19	8.6	1.5
1394699	Rock	0.089	8.0	27	1.10	92	0.072	7.82	2.581	2.21	2.1	15.9	21	0.9	6.4	0.4	<0.1	2	21	15.1	1.3
1394700	Rock	0.085	8.0	21	1.79	242	0.075	7.91	3.026	1.25	1.6	15.9	21	0.8	9.0	0.4	<0.1	1	21	29.2	0.8
1394701	Rock Pulp	0.065	8.0	54	1.43	534	0.408	6.39	2.325	0.97	24.7	28.1	17	1.3	12.2	3.9	0.3	1	16	15.9	<0.1
1394702	Rock	0.085	9.2	23	1.82	287	0.071	7.63	3.103	1.09	1.7	13.8	23	1.1	9.1	0.4	<0.1	1	22	30.8	0.9
1394703	Rock	0.086	6.1	21	1.57	133	0.082	7.36	3.271	1.25	1.9	11.7	16	0.8	7.1	0.4	<0.1	1	20	24.9	1.2
1394704	Rock	0.071	7.3	20	1.44	115	0.076	6.73	2.028	1.61	1.8	18.8	19	1.1	7.3	0.5	<0.1	1	18	26.4	1.0
1394705	Rock	0.070	6.9	22	1.73	383	0.089	7.11	2.728	1.21	1.1	16.1	17	0.9	8.3	0.6	<0.1	1	19	30.2	0.7
1394706	Rock	0.077	7.6	19	1.60	213	0.087	7.12	2.813	1.20	1.3	15.3	19	0.9	9.4	0.5	<0.1	<1	20	27.9	0.9
1394707	Rock	0.087	7.5	25	1.78	290	0.091	7.50	2.856	1.31	2.0	16.0	20	0.9	9.4	0.5	<0.1	1	22	29.5	0.9

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394679	Rock	28.3	0.1	<0.05	<0.005	<1	0.7	<0.5
1394680	Rock	18.7	<0.1	0.09	<0.005	<1	<0.5	<0.5
1394681	Rock Pulp	17.6	1.0	0.09	<0.005	<1	<0.5	<0.5
1394682	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1394683	Rock	22.5	0.1	0.05	<0.005	2	<0.5	<0.5
1394684	Rock	22.6	<0.1	<0.05	<0.005	2	<0.5	<0.5
1394685	Rock	22.1	<0.1	<0.05	<0.005	2	0.7	<0.5
1394686	Rock	69.4	0.3	0.08	<0.005	<1	<0.5	0.7
1394687	Rock	69.1	0.3	<0.05	<0.005	<1	<0.5	0.6
1394688	Rock	65.4	0.5	0.06	<0.005	<1	<0.5	0.5
1394689	Rock	75.3	0.8	0.07	<0.005	2	<0.5	0.6
1394690	Rock	49.3	0.6	<0.05	<0.005	2	<0.5	<0.5
1394691	Rock	64.5	0.6	<0.05	<0.005	2	<0.5	0.5
1394692	Rock	65.2	0.5	<0.05	<0.005	8	<0.5	0.6
1394693	Rock	81.5	0.7	<0.05	0.007	2	<0.5	0.6
1394694	Rock	48.5	0.6	<0.05	<0.005	2	<0.5	0.5
1394695	Rock	37.6	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394696	Rock	38.0	0.4	0.06	<0.005	1	<0.5	<0.5
1394697	Rock	41.5	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394698	Rock	45.3	0.3	0.07	<0.005	1	<0.5	<0.5
1394699	Rock	61.5	0.4	0.07	<0.005	<1	<0.5	<0.5
1394700	Rock	32.9	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394701	Rock Pulp	18.3	1.1	0.09	<0.005	<1	<0.5	<0.5
1394702	Rock	27.8	0.4	<0.05	<0.005	1	<0.5	<0.5
1394703	Rock	27.3	0.3	<0.05	<0.005	1	<0.5	<0.5
1394704	Rock	41.2	0.5	<0.05	<0.005	1	<0.5	<0.5
1394705	Rock	31.8	0.4	0.06	<0.005	<1	<0.5	<0.5
1394706	Rock	33.1	0.4	<0.05	<0.005	<1	<0.5	<0.5
1394707	Rock	31.2	0.5	0.07	<0.005	<1	<0.5	<0.5

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
Pulp Duplicates																					
1368396	Rock	2.43	0.010	1.1	39.1	26.3	128	0.4	13.3	19.2	925	5.52	10	1.4	3.5	78	0.5	0.9	0.2	189	2.53
REP 1368396	QC			1.1	39.3	27.0	126	0.4	11.8	19.4	922	5.44	10	1.4	3.5	78	0.5	0.9	0.1	187	2.49
REP 1394655	QC		0.008																		
1394657	Rock	1.86	0.019	0.6	76.1	19.3	133	0.4	15.1	28.7	1368	6.22	2	0.4	1.9	83	0.7	0.4	0.3	233	3.81
REP 1394657	QC			0.7	72.7	18.9	127	0.4	15.3	27.5	1335	6.17	1	0.4	2.0	78	0.6	0.3	0.3	229	3.72
REP 1394693	QC			0.9	60.8	24.1	196	0.7	15.1	17.4	994	4.78	11	1.0	3.1	66	1.5	0.5	0.3	137	1.86
Core Reject Duplicates																					
1394655	Rock	1.97	<0.005	0.5	43.6	31.7	104	0.2	11.3	20.6	1107	5.46	2	0.4	2.2	67	0.5	0.2	0.2	187	3.16
DUP 1394655	QC		<0.005	0.3	47.6	24.9	101	0.3	11.4	20.9	1095	5.54	1	0.4	2.1	68	0.3	0.2	0.2	185	3.12
1394693	Rock	1.74	0.115	0.9	63.7	24.6	199	0.7	14.9	17.9	978	4.76	11	1.0	3.2	67	1.8	0.4	0.2	135	1.87
DUP 1394693	QC		0.098	0.7	58.4	24.7	197	0.7	14.6	17.0	969	4.65	11	0.9	3.1	63	1.6	0.5	0.2	135	1.86
Reference Materials																					
STD OREAS25A-4A	Standard			2.0	32.3	25.5	41	0.1	46.3	7.6	425	6.45	9	2.9	16.3	41	0.2	0.6	0.3	152	0.29
STD OREAS25A-4A	Standard			2.3	33.9	26.8	41	<0.1	45.8	8.0	423	6.68	9	3.0	15.2	40	0.2	0.5	0.3	158	0.28
STD OREAS25A-4A	Standard			2.6	33.8	26.7	44	<0.1	46.4	7.6	432	6.69	10	2.8	15.3	41	<0.1	0.6	0.3	158	0.26
STD OREAS45E	Standard			2.2	795.0	19.6	45	0.3	467.0	58.2	482	24.52	16	2.7	13.9	14	<0.1	0.9	0.2	320	0.06
STD OREAS45E	Standard			2.1	780.4	20.2	46	0.4	456.4	57.9	498	24.82	17	2.6	13.2	15	<0.1	0.9	0.3	313	0.08
STD OREAS45E	Standard			2.3	801.3	19.1	46	0.4	464.3	58.9	512	25.18	16	2.5	13.3	15	<0.1	0.9	0.2	325	0.07
STD OXD108	Standard		0.429																		
STD OXD108	Standard		0.415																		
STD OXD108	Standard		0.433																		
STD OXI121	Standard		1.774																		
STD OXI121	Standard		1.797																		
STD OXI121	Standard		1.833																		
STD OXN117	Standard		7.559																		
STD OXN117	Standard		8.020																		
STD OXN117	Standard		7.964																		
STD OXD108 Expected			0.414																		

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
Pulp Duplicates																					
1368396	Rock	0.052	11.5	21	2.99	1367	0.083	7.59	0.563	2.02	1.0	12.3	24	1.1	5.8	0.5	<0.1	1	23	57.6	0.5
REP 1368396	QC	0.057	11.9	21	2.95	1226	0.080	7.25	0.552	2.01	1.0	12.3	24	1.0	6.0	0.5	<0.1	<1	22	60.8	0.5
REP 1394655	QC																				
1394657	Rock	0.044	5.0	16	2.57	79	0.089	6.81	1.697	1.54	1.4	14.6	13	0.9	7.2	0.4	<0.1	<1	23	27.6	2.6
REP 1394657	QC	0.044	4.9	16	2.51	70	0.091	6.76	1.683	1.54	1.4	14.3	13	0.9	7.0	0.5	<0.1	1	23	28.4	2.7
REP 1394693	QC	0.066	8.1	23	1.22	62	0.092	6.71	1.244	2.62	1.9	25.9	23	1.4	7.0	0.9	<0.1	1	17	10.0	2.0
Core Reject Duplicates																					
1394655	Rock	0.057	4.7	10	1.72	49	0.091	7.26	2.056	1.98	1.6	13.2	13	1.0	6.8	0.5	<0.1	1	20	18.0	3.0
DUP 1394655	QC	0.063	4.3	10	1.71	53	0.089	7.16	2.021	1.98	1.6	13.1	12	1.1	6.9	0.5	<0.1	<1	19	18.5	3.1
1394693	Rock	0.070	8.3	21	1.24	53	0.088	6.86	1.246	2.65	1.8	25.1	22	1.3	7.0	0.7	<0.1	1	18	11.3	2.0
DUP 1394693	QC	0.064	8.3	21	1.21	61	0.089	6.87	1.213	2.60	1.9	24.5	22	1.2	6.7	0.7	<0.1	1	17	10.1	1.9
Reference Materials																					
STD OREAS25A-4A	Standard	0.051	22.6	116	0.31	148	0.960	9.20	0.132	0.49	2.0	153.9	47	3.9	8.7	19.7	1.5	<1	13	40.2	<0.1
STD OREAS25A-4A	Standard	0.048	19.8	123	0.30	149	1.009	8.82	0.140	0.53	2.1	156.9	43	4.4	8.2	20.5	1.5	1	13	38.3	<0.1
STD OREAS25A-4A	Standard	0.050	19.5	117	0.32	156	0.988	8.92	0.141	0.50	1.9	158.9	43	3.9	8.7	19.6	1.4	<1	13	38.4	<0.1
STD OREAS45E	Standard	0.034	11.2	1051	0.14	253	0.562	6.99	0.048	0.36	1.1	99.4	24	1.5	6.7	6.3	0.5	<1	95	6.5	<0.1
STD OREAS45E	Standard	0.034	9.3	969	0.15	250	0.548	6.84	0.052	0.36	1.1	99.3	20	1.3	6.2	6.0	0.6	<1	93	7.5	<0.1
STD OREAS45E	Standard	0.033	11.0	974	0.15	255	0.540	7.04	0.052	0.34	0.9	94.6	23	1.5	6.7	5.9	0.5	<1	97	6.6	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108 Expected																					

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
1368396	Rock	55.9	0.3	<0.05	<0.005	<1	<0.5	0.5
REP 1368396	QC	54.7	0.3	<0.05	<0.005	1	<0.5	0.5
REP 1394655	QC							
1394657	Rock	33.7	0.4	<0.05	<0.005	3	<0.5	<0.5
REP 1394657	QC	37.0	0.4	<0.05	<0.005	2	<0.5	<0.5
REP 1394693	QC	75.4	0.7	0.09	<0.005	2	<0.5	0.6
Core Reject Duplicates								
1394655	Rock	56.1	0.4	0.06	<0.005	2	<0.5	<0.5
DUP 1394655	QC	56.6	0.3	<0.05	<0.005	2	<0.5	<0.5
1394693	Rock	81.5	0.7	<0.05	0.007	2	<0.5	0.6
DUP 1394693	QC	76.9	0.6	0.07	<0.005	3	<0.5	0.6
Reference Materials								
STD OREAS25A-4A	Standard	61.4	4.3	0.10	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	55.8	4.5	0.13	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	58.6	4.0	0.08	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.9	3.1	0.15	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	20.7	3.3	0.08	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.0	2.7	0.13	<0.005	3	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXD108 Expected								

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		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OXN117 Expected		7.679																			
STD OXI121 Expected		1.834																			
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	0.005																			
BLK	Blank			<0.1	0.2	0.2	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.2	0.5	<1	<0.1	<0.1	<0.2	1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.3	0.3	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	0.5	13.8	5.1	64	<0.1	0.9	4.4	793	2.16	2	1.3	3.5	205	0.1	0.1	<0.1	35	1.58
ROCK-WHI	Prep Blank		<0.005	0.6	6.1	4.3	48	<0.1	0.8	4.5	751	2.07	1	1.4	3.2	198	0.1	<0.1	<0.1	34	1.55

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
STD OXN117 Expected																				
STD OXI121 Expected																				
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
Prep Wash																				
ROCK-WHI	Prep Blank	0.045	16.3	2	0.53	999	0.227	7.37	3.429	1.94	0.5	60.8	29	0.7	15.6	6.0	0.4	1	7	3.9
ROCK-WHI	Prep Blank	0.047	14.2	2	0.53	937	0.229	7.33	3.425	1.85	0.5	61.3	26	0.9	15.1	6.1	0.4	1	6	3.8

Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Centerra Gold**
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Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: November 01, 2014

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QUALITY CONTROL REPORT

WHI14000249.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OXN117 Expected								
STD OXI121 Expected								
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
Prep Wash								
ROCK-WHI	Prep Blank	45.0	1.8	<0.05	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	43.5	2.1	<0.05	<0.005	<1	<0.5	<0.5

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: October 27, 2014
Report Date: November 12, 2014
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI14000253.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-10-24
P.O. Number
Number of Samples: 152

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	148	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	152	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	152	4 Acid digestion ICP-MS analysis	0.25	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.

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1345426	Rock	1.12	0.026	0.5	37.4	14.1	134	0.2	20.6	22.7	1371	5.56	10	0.7	2.9	64	0.3	0.4	0.3	170	0.26
1345427	Rock	3.06	0.005	0.7	29.7	20.6	111	0.3	20.7	12.2	686	3.40	19	0.8	5.6	27	0.3	0.2	0.3	111	0.34
1345428	Rock	3.39	<0.005	0.8	31.1	47.1	152	0.2	23.8	8.0	518	2.42	16	1.0	6.8	18	0.4	0.2	0.1	87	0.21
1345429	Rock	3.12	0.011	0.9	10.3	8.5	119	0.2	21.3	22.4	1347	5.46	37	0.7	2.5	38	0.1	0.4	0.2	159	0.32
1345430	Rock	3.70	0.025	0.6	22.6	10.4	106	0.2	18.3	20.1	1317	5.28	37	0.7	3.3	65	0.1	0.5	0.3	146	1.52
1345431	Rock	3.01	0.007	1.1	30.1	9.3	116	0.2	17.3	21.0	1840	5.00	10	0.7	4.0	54	0.8	0.4	0.3	140	0.48
1345432	Rock	3.18	<0.005	1.5	30.6	14.5	122	0.2	19.6	25.7	2083	4.65	7	0.5	3.2	47	0.7	0.3	0.3	139	0.27
1345433	Rock	3.52	0.008	0.8	47.5	8.9	122	0.3	23.0	23.0	1451	5.40	7	0.7	3.1	56	0.2	0.4	0.4	158	1.70
1345434	Rock	2.91	0.557	1.2	29.4	10.9	198	0.4	14.5	40.5	2233	4.60	10	1.3	5.7	67	1.3	0.5	0.1	102	0.64
1345435	Rock	3.79	0.011	1.3	19.5	12.5	119	0.1	12.5	18.7	1082	4.13	7	1.0	4.8	72	0.4	0.3	<0.1	90	2.03
1352876	Rock	1.54	0.027	1.2	26.9	13.8	114	0.2	21.9	10.0	499	3.57	41	1.3	6.5	60	0.3	0.9	<0.1	119	0.36
1352877	Rock	2.78	0.036	0.8	24.6	10.3	174	0.4	26.9	13.1	454	3.35	60	1.1	7.7	31	0.9	1.2	<0.1	140	0.26
1352878	Rock	3.71	0.017	0.7	25.5	8.9	120	0.5	26.6	8.4	351	2.58	47	0.8	6.8	94	0.8	1.0	<0.1	111	2.11
1352879	Rock	2.15	0.024	0.9	22.9	6.2	118	0.6	13.7	9.1	463	3.77	80	1.1	5.8	79	0.3	1.1	<0.1	92	2.04
1352880	Rock	2.13	0.011	0.7	25.8	9.1	123	0.5	23.3	12.5	366	3.44	44	1.5	6.9	84	0.4	1.0	<0.1	126	1.92
1352881	Rock Pulp	0.13	1.989	3.5	38.3	9.7	70	0.5	35.9	16.9	828	4.07	10	0.8	1.9	271	0.2	3.0	0.2	133	2.71
1352882	Rock	2.61	0.015	0.6	28.4	10.3	112	0.2	26.7	8.5	272	2.96	106	1.1	7.0	94	0.5	0.4	<0.1	135	2.11
1352883	Rock	1.94	0.039	1.0	20.5	10.8	106	0.3	10.7	10.5	671	4.35	37	1.2	5.8	132	0.4	0.6	<0.1	86	2.30
1352884	Rock	3.22	0.031	1.3	23.4	26.8	131	0.4	8.7	12.4	835	4.72	19	1.5	4.9	151	0.9	0.8	<0.1	92	2.84
1352885	Rock	1.79	0.023	1.2	70.5	97.2	378	2.6	16.5	22.7	725	5.07	9	1.7	2.4	71	5.4	1.5	0.1	172	1.37
1352886	Rock	2.54	0.033	1.2	91.6	230.9	684	4.5	10.2	19.7	734	5.06	8	1.4	2.3	75	10.1	1.8	0.2	150	1.43
1352887	Rock	2.34	0.010	4.0	40.1	53.6	213	1.1	32.7	15.0	580	3.51	16	2.9	6.6	127	2.0	1.3	<0.1	141	2.59
1352888	Rock	2.26	0.011	10.4	37.8	32.7	175	0.7	39.9	11.1	431	2.60	26	2.7	8.0	117	1.9	1.7	0.1	141	2.52
1352889	Rock	2.44	0.015	4.2	30.9	18.5	137	0.7	30.7	10.4	460	3.01	60	4.2	7.9	129	0.9	1.7	<0.1	129	2.71
1352890	Rock	2.27	0.006	12.7	40.6	23.7	166	0.6	48.7	9.6	420	2.74	37	3.1	8.7	120	1.6	2.7	0.1	159	2.65
1352891	Rock	2.26	<0.005	12.2	40.8	22.6	148	0.6	42.3	8.0	390	2.57	36	2.7	8.9	112	1.7	2.5	0.1	140	2.50
1352892	Rock	1.93	<0.005	5.9	23.3	16.4	122	0.4	19.5	7.0	509	2.74	16	2.8	7.3	114	1.0	1.3	0.1	88	2.52
1352893	Rock	2.21	<0.005	2.5	17.6	11.6	136	0.4	14.6	8.8	539	3.55	12	3.4	8.2	109	0.8	1.1	0.1	89	1.88
1352894	Rock	2.33	<0.005	2.1	18.0	13.9	131	0.3	16.2	10.3	448	3.48	23	3.6	9.2	103	0.5	1.0	0.1	96	1.47
1352895	Rock	2.03	<0.005	1.8	16.1	13.1	99	0.5	12.7	10.1	446	3.51	12	2.6	7.0	102	0.3	1.0	0.1	87	1.84

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1345426	Rock	0.068	7.9	37	2.51	1648	0.088	7.47	1.148	1.96	1.0	15.9	19	1.4	9.4	0.6	<0.1	1	19	32.0	0.2
1345427	Rock	0.079	19.0	37	1.27	2119	0.102	5.57	1.090	2.19	1.8	22.3	37	1.7	6.5	1.6	<0.1	1	11	26.0	<0.1
1345428	Rock	0.074	23.3	37	0.91	2083	0.098	5.07	0.937	1.97	2.3	23.7	43	1.7	6.0	2.0	0.1	1	8	20.5	<0.1
1345429	Rock	0.069	6.8	39	2.55	1729	0.084	6.98	0.678	1.88	1.6	15.4	17	1.2	7.8	0.5	<0.1	1	17	76.0	<0.1
1345430	Rock	0.077	12.4	36	2.29	1797	0.075	7.41	0.865	2.02	1.7	12.4	26	1.0	10.4	0.4	<0.1	1	19	73.4	<0.1
1345431	Rock	0.074	11.1	32	2.01	1699	0.066	7.16	1.540	2.01	1.2	16.3	25	1.1	10.4	0.3	<0.1	<1	16	46.3	<0.1
1345432	Rock	0.072	9.3	39	2.07	1928	0.060	6.84	1.455	1.70	1.5	14.3	20	0.9	10.5	0.3	<0.1	1	16	30.4	<0.1
1345433	Rock	0.075	11.3	50	2.19	1610	0.063	7.79	1.378	1.82	1.2	17.2	24	0.9	10.0	0.2	<0.1	1	20	36.0	0.2
1345434	Rock	0.095	19.6	22	1.59	2006	0.064	6.56	0.547	2.08	1.4	15.5	40	0.9	14.4	0.4	<0.1	1	17	52.7	<0.1
1345435	Rock	0.095	18.5	24	1.30	2243	0.066	6.35	0.576	2.02	2.2	12.6	37	0.8	8.8	0.4	<0.1	1	17	23.8	<0.1
1352876	Rock	0.058	23.3	54	1.21	1986	0.323	5.75	1.372	1.61	1.6	13.9	45	1.4	16.0	6.8	0.4	1	14	16.7	<0.1
1352877	Rock	0.085	24.1	71	1.37	2321	0.349	5.67	1.331	1.78	2.1	5.7	46	1.7	18.3	8.0	0.5	2	13	17.9	<0.1
1352878	Rock	0.074	22.3	62	0.99	1970	0.286	5.41	1.422	1.50	1.9	4.3	41	1.4	16.0	7.0	0.4	<1	12	14.8	<0.1
1352879	Rock	0.095	20.8	31	1.60	1834	0.382	6.12	1.784	1.40	1.7	8.6	39	1.2	15.6	7.1	0.4	1	16	12.9	0.1
1352880	Rock	0.089	23.6	58	1.37	2079	0.349	5.97	1.419	1.63	1.8	10.6	44	1.3	15.6	7.4	0.4	1	15	12.1	<0.1
1352881	Rock Pulp	0.065	9.7	55	1.47	490	0.408	6.71	2.426	0.91	25.0	28.3	20	1.1	16.3	4.1	0.3	<1	15	16.9	<0.1
1352882	Rock	0.080	22.8	71	1.16	2215	0.310	5.70	1.503	1.73	2.7	8.6	42	1.6	13.8	7.4	0.4	1	13	9.2	<0.1
1352883	Rock	0.094	20.4	26	1.56	1451	0.346	6.64	1.586	1.38	2.2	5.9	40	1.3	17.8	5.8	0.4	1	18	20.1	0.2
1352884	Rock	0.096	18.1	21	1.68	206	0.378	6.73	1.308	1.73	1.9	9.5	36	1.2	18.7	6.4	0.4	1	19	28.4	0.4
1352885	Rock	0.065	7.8	22	2.99	58	0.214	7.17	0.825	1.85	1.2	27.4	20	0.9	12.6	2.2	0.1	2	19	42.7	2.1
1352886	Rock	0.072	6.7	15	2.69	51	0.216	6.73	0.836	2.03	1.2	35.7	18	1.0	10.7	1.8	0.1	1	18	36.7	3.0
1352887	Rock	0.079	21.5	65	1.78	161	0.312	5.89	0.888	1.90	1.2	21.0	41	1.5	15.6	6.6	0.4	2	14	27.9	0.8
1352888	Rock	0.066	23.4	57	1.51	160	0.248	5.20	0.604	1.83	1.1	33.3	45	1.6	18.3	7.2	0.5	1	10	28.0	0.8
1352889	Rock	0.073	23.6	65	1.49	226	0.288	5.49	0.793	1.76	1.2	19.6	44	1.7	17.0	7.6	0.5	2	11	29.4	0.4
1352890	Rock	0.078	26.6	63	1.72	204	0.268	5.40	0.353	1.86	1.4	36.3	50	1.8	18.9	8.1	0.5	1	10	35.1	0.7
1352891	Rock	0.074	25.6	52	1.51	131	0.255	4.95	0.450	1.87	1.2	33.0	48	1.9	18.7	8.1	0.6	2	9	34.8	0.7
1352892	Rock	0.058	20.4	27	1.64	101	0.262	6.23	3.058	0.98	1.1	51.1	37	1.6	14.7	7.2	0.4	1	11	24.3	0.8
1352893	Rock	0.096	27.4	31	1.79	155	0.361	6.87	2.967	1.26	1.5	49.5	51	1.9	14.7	7.8	0.5	2	14	24.8	0.6
1352894	Rock	0.097	31.2	40	1.83	357	0.317	6.69	1.773	2.28	1.1	32.0	58	2.0	12.7	7.2	0.5	1	13	36.8	0.3
1352895	Rock	0.092	24.1	37	1.51	396	0.330	6.26	2.410	1.61	1.0	22.2	45	1.4	13.2	6.9	0.4	1	14	28.8	0.3

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Project: KSD
Report Date: November 12, 2014

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Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1345426	Rock	54.9	0.5	0.09	<0.005	<1	<0.5	<0.5
1345427	Rock	75.6	0.7	0.06	<0.005	<1	<0.5	0.5
1345428	Rock	72.4	0.7	<0.05	<0.005	<1	<0.5	0.6
1345429	Rock	48.4	0.4	<0.05	<0.005	1	<0.5	<0.5
1345430	Rock	69.1	0.3	0.07	<0.005	<1	<0.5	<0.5
1345431	Rock	66.6	0.5	0.07	<0.005	<1	<0.5	<0.5
1345432	Rock	56.5	0.4	0.08	<0.005	<1	<0.5	<0.5
1345433	Rock	60.7	0.5	0.11	<0.005	<1	<0.5	<0.5
1345434	Rock	67.8	0.4	0.07	<0.005	<1	<0.5	<0.5
1345435	Rock	62.9	0.3	<0.05	<0.005	<1	<0.5	<0.5
1352876	Rock	59.3	0.4	0.07	<0.005	1	<0.5	0.7
1352877	Rock	64.1	0.1	0.06	<0.005	<1	<0.5	0.7
1352878	Rock	53.0	0.1	<0.05	<0.005	<1	<0.5	<0.5
1352879	Rock	47.9	0.2	0.05	<0.005	<1	<0.5	<0.5
1352880	Rock	58.3	0.2	<0.05	<0.005	<1	<0.5	<0.5
1352881	Rock Pulp	22.7	0.9	0.08	<0.005	<1	<0.5	<0.5
1352882	Rock	58.7	0.2	0.06	<0.005	<1	<0.5	<0.5
1352883	Rock	56.5	0.2	<0.05	<0.005	<1	<0.5	<0.5
1352884	Rock	67.4	0.3	0.08	<0.005	2	<0.5	<0.5
1352885	Rock	59.2	0.8	0.12	<0.005	4	<0.5	0.5
1352886	Rock	64.8	1.0	0.09	<0.005	2	<0.5	0.6
1352887	Rock	61.4	0.5	0.06	0.006	2	<0.5	<0.5
1352888	Rock	61.1	0.9	0.06	0.015	3	<0.5	0.7
1352889	Rock	61.6	0.5	<0.05	0.008	2	0.7	0.7
1352890	Rock	73.3	1.0	0.07	0.021	4	<0.5	0.9
1352891	Rock	72.5	1.0	0.06	0.017	4	<0.5	0.9
1352892	Rock	36.3	1.6	0.09	0.007	2	<0.5	<0.5
1352893	Rock	46.5	1.4	0.09	0.006	1	0.5	<0.5
1352894	Rock	74.1	0.9	0.07	<0.005	1	<0.5	<0.5
1352895	Rock	54.9	0.6	0.08	<0.005	1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1352896	Rock	3.22	<0.005	2.7	18.1	13.9	97	0.4	14.2	8.3	446	3.11	10	2.4	6.4	100	0.5	0.9	0.1	82	1.56
1352897	Rock	2.50	0.006	2.4	26.1	28.7	125	0.5	16.5	9.8	521	3.26	16	1.9	5.0	120	1.1	1.0	<0.1	75	2.30
1352898	Rock	3.53	<0.005	4.3	22.9	25.1	108	0.3	12.8	6.2	477	2.37	18	1.7	4.9	132	0.9	0.9	<0.1	57	2.77
1352899	Rock	2.88	0.007	5.3	22.0	26.3	108	0.3	17.1	6.2	562	2.34	19	2.0	5.4	153	1.0	1.0	0.1	59	3.23
1352900	Rock	4.02	0.010	3.6	21.0	25.8	118	0.3	15.5	8.0	526	2.92	17	1.9	5.9	122	0.8	1.0	0.1	72	2.68
1352901	Rock	0.79	<0.005	<0.1	1.2	1.4	15	0.1	1.4	0.7	218	0.45	<1	0.7	<0.1	48	<0.1	<0.1	<0.1	3	20.05
1352902	Rock	2.05	0.007	1.8	19.2	16.2	93	0.3	13.6	8.6	488	2.83	14	1.5	5.3	119	0.5	0.9	<0.1	73	2.96
1352903	Rock	1.56	0.006	1.7	23.3	13.3	84	0.3	17.8	9.8	494	2.96	16	1.4	4.7	140	0.4	0.8	<0.1	95	2.72
1352904	Rock	3.25	<0.005	1.5	27.2	13.3	81	0.3	23.4	12.4	502	3.46	22	1.7	4.6	103	0.2	0.8	<0.1	121	2.13
1352905	Rock	3.72	0.006	1.8	26.6	15.9	83	0.3	23.3	12.9	516	3.51	18	1.6	4.5	119	0.2	0.6	<0.1	132	2.98
1352906	Rock	2.70	<0.005	1.8	32.3	23.8	109	0.3	27.2	14.4	602	4.00	24	1.9	5.2	156	0.5	0.8	<0.1	155	3.33
1352907	Rock	1.51	<0.005	1.6	30.5	15.9	95	0.3	25.9	12.7	593	3.73	28	1.9	5.2	174	0.4	0.7	<0.1	150	3.34
1352908	Rock	2.04	<0.005	1.8	32.6	14.3	88	0.2	26.2	15.1	539	3.73	21	1.9	5.0	167	0.3	0.8	<0.1	150	3.16
1352909	Rock	2.94	<0.005	2.4	37.2	16.4	96	0.4	28.0	15.8	526	3.81	19	1.7	5.0	158	0.4	0.8	<0.1	153	3.01
1352910	Rock	2.25	0.007	1.8	33.8	15.8	90	0.3	26.4	16.5	565	3.83	18	2.2	5.0	179	0.4	0.8	<0.1	151	3.33
1352911	Rock	3.31	0.006	1.5	32.3	20.7	93	0.3	26.0	13.8	554	3.69	23	1.9	5.0	177	0.4	0.9	<0.1	149	3.24
1352951	Rock	1.17	0.037	1.0	61.1	54.3	234	0.6	14.9	20.2	943	5.53	12	1.0	4.2	44	1.3	0.6	0.2	203	0.19
1352952	Rock	2.60	0.049	0.9	44.8	20.5	156	0.4	11.7	16.8	1063	5.47	10	0.9	3.3	37	0.5	0.5	0.2	194	0.18
1352953	Rock	3.31	0.284	0.6	48.3	20.3	164	0.4	11.3	13.8	918	5.90	8	0.6	2.4	40	0.4	0.4	0.2	216	0.22
1352954	Rock	3.33	0.017	0.8	60.4	23.3	178	0.5	18.4	18.4	1153	5.70	6	0.6	1.9	42	0.5	0.3	0.2	247	0.23
1352955	Rock	2.10	0.016	0.7	90.5	26.5	177	0.5	20.7	22.7	1171	6.38	8	0.5	1.3	41	0.4	0.5	0.2	251	0.20
1352956	Rock	1.51	0.035	0.5	137.6	60.9	221	0.8	29.2	32.2	1896	7.38	8	0.4	0.9	103	1.5	0.5	0.4	325	1.43
1352957	Rock	1.52	0.121	0.7	131.5	41.3	178	0.9	17.8	26.7	1135	6.54	14	0.5	1.6	50	1.0	0.5	0.3	251	0.31
1352958	Rock	1.94	0.073	0.7	57.8	23.3	137	0.5	14.2	24.9	826	6.41	12	0.5	1.6	38	0.4	0.4	0.2	233	0.20
1352959	Rock	1.89	0.113	0.7	62.3	28.5	131	0.4	11.8	28.2	1298	6.45	9	0.6	1.9	57	0.7	0.5	0.2	252	0.25
1352960	Rock	3.53	0.025	0.5	75.0	27.5	150	0.4	22.8	24.9	1551	5.90	7	0.5	1.9	90	0.4	0.4	0.1	257	2.00
1352961	Rock Pulp	0.12	2.013	3.6	37.3	9.7	70	0.4	35.8	16.9	765	3.98	10	0.8	1.8	264	0.1	3.1	0.2	134	2.72
1352962	Rock	2.80	0.114	0.4	70.0	21.4	176	0.3	26.5	33.3	1538	6.52	7	0.4	1.5	111	0.5	0.7	0.1	311	2.02
1352963	Rock	1.71	0.070	1.0	79.7	14.7	179	0.3	32.6	39.9	1965	6.94	6	0.3	1.0	79	0.8	0.5	<0.1	358	0.66
1352964	Rock	4.31	0.026	0.7	69.1	14.2	165	0.3	29.3	32.0	1673	6.10	6	0.3	1.4	80	0.5	0.5	<0.1	285	2.24

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1352896	Rock	0.079	21.7	32	1.34	296	0.304	6.18	3.104	1.06	1.0	32.5	40	1.2	11.6	6.4	0.4	1	13	26.0	0.3
1352897	Rock	0.073	17.8	26	1.41	117	0.294	5.37	2.259	1.08	1.0	30.3	34	1.5	12.4	5.7	0.4	<1	11	24.9	0.7
1352898	Rock	0.054	17.9	20	1.32	247	0.193	4.67	1.541	0.98	0.8	22.5	33	0.8	12.3	4.2	0.3	<1	9	22.6	0.4
1352899	Rock	0.054	19.1	19	1.18	262	0.176	4.69	1.384	1.11	1.1	23.6	34	1.3	13.0	4.5	0.3	<1	9	23.8	0.5
1352900	Rock	0.067	19.8	28	1.35	205	0.208	5.22	1.478	1.43	1.4	21.7	36	1.1	12.2	4.8	0.3	1	12	28.2	0.4
1352901	Rock	0.016	0.8	<1	12.17	43	0.003	0.05	0.006	0.02	<0.1	0.3	1	<0.1	0.8	0.1	<0.1	<1	<1	0.8	<0.1
1352902	Rock	0.062	17.8	27	1.31	265	0.199	5.17	1.349	1.48	1.4	26.4	30	1.0	10.9	3.6	0.2	<1	12	32.1	0.4
1352903	Rock	0.054	15.5	38	1.55	353	0.226	4.98	1.200	1.52	1.2	18.8	27	1.0	11.5	3.9	0.3	1	13	31.6	0.3
1352904	Rock	0.049	15.4	51	2.06	615	0.268	5.59	1.239	1.58	1.1	15.4	29	1.0	11.9	4.2	0.3	<1	14	29.8	0.2
1352905	Rock	0.053	15.0	54	2.11	948	0.311	5.67	1.134	1.50	1.6	12.1	28	1.1	13.5	4.8	0.3	1	15	26.2	0.2
1352906	Rock	0.056	17.2	65	2.29	1431	0.354	6.26	1.195	1.17	1.4	9.2	32	1.4	16.7	5.7	0.4	1	18	24.8	0.3
1352907	Rock	0.056	17.1	63	2.13	1584	0.369	6.00	1.122	0.92	1.2	8.4	31	1.3	17.4	5.5	0.4	1	18	21.7	0.2
1352908	Rock	0.055	16.2	66	2.12	1533	0.374	6.20	1.426	0.91	1.0	6.9	31	1.3	17.2	6.0	0.4	1	18	20.1	0.2
1352909	Rock	0.059	15.5	68	2.10	588	0.393	6.23	1.536	1.05	1.2	8.6	30	1.5	17.4	6.1	0.4	1	18	18.4	0.3
1352910	Rock	0.057	17.0	63	2.11	558	0.372	6.14	1.422	0.85	0.9	6.2	31	1.5	18.7	6.0	0.4	2	18	15.6	0.3
1352911	Rock	0.056	16.4	60	2.00	1063	0.388	5.95	1.401	0.75	0.9	5.9	30	1.2	18.1	6.1	0.4	1	17	19.0	0.2
1352951	Rock	0.058	13.1	26	2.17	1581	0.138	6.52	1.639	1.71	1.5	21.3	29	0.9	6.7	1.6	<0.1	1	20	21.0	0.1
1352952	Rock	0.067	10.0	18	2.12	1359	0.102	6.73	1.857	1.40	1.0	14.9	22	0.8	7.3	0.9	<0.1	1	21	24.6	<0.1
1352953	Rock	0.060	5.8	15	2.34	1294	0.110	6.52	1.682	1.44	1.4	10.6	13	0.7	5.5	0.6	<0.1	1	20	22.1	0.1
1352954	Rock	0.066	4.4	28	2.57	1732	0.137	6.55	1.236	1.82	1.9	9.4	11	0.9	5.2	1.0	<0.1	<1	21	25.2	0.1
1352955	Rock	0.048	2.9	32	3.13	1138	0.142	7.33	2.349	1.16	1.0	7.4	8	0.6	4.9	0.7	<0.1	<1	25	28.0	0.1
1352956	Rock	0.045	4.2	48	3.62	1169	0.129	9.05	2.726	1.04	0.9	4.3	10	0.5	9.3	0.5	<0.1	<1	38	42.2	<0.1
1352957	Rock	0.059	5.4	28	2.67	1361	0.150	7.56	2.926	1.44	1.9	6.7	13	0.6	7.5	0.7	<0.1	1	27	26.9	0.1
1352958	Rock	0.055	4.5	24	2.66	1574	0.142	7.52	2.407	1.52	1.7	6.1	11	0.6	5.3	0.7	<0.1	1	23	28.2	0.1
1352959	Rock	0.066	7.0	19	2.59	1553	0.151	7.08	1.655	1.43	1.4	7.5	17	0.6	9.8	0.7	<0.1	<1	24	28.2	<0.1
1352960	Rock	0.050	7.6	22	2.92	1721	0.158	8.78	2.211	1.54	1.2	7.6	16	0.4	11.6	0.6	<0.1	1	27	34.0	<0.1
1352961	Rock Pulp	0.065	9.4	57	1.43	492	0.404	6.52	2.380	0.95	24.0	29.7	19	1.0	15.9	4.0	0.3	<1	15	16.2	<0.1
1352962	Rock	0.042	6.7	23	3.14	1641	0.164	8.69	1.794	1.44	1.7	7.8	14	0.5	9.3	0.5	<0.1	1	30	42.3	0.2
1352963	Rock	0.034	3.7	24	3.25	1663	0.136	8.03	1.640	1.53	1.3	7.0	9	0.5	8.5	0.3	<0.1	<1	31	50.0	0.1
1352964	Rock	0.037	6.1	26	3.04	1769	0.119	8.76	2.214	1.50	1.2	8.2	14	0.5	8.1	0.4	<0.1	1	30	36.0	0.2

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Project: KSD
Report Date: November 12, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1352896	Rock	37.1	0.9	0.06	<0.005	1	<0.5	<0.5
1352897	Rock	39.4	0.8	0.06	<0.005	2	<0.5	<0.5
1352898	Rock	36.2	0.6	<0.05	<0.005	1	0.8	<0.5
1352899	Rock	44.8	0.7	<0.05	<0.005	2	0.6	<0.5
1352900	Rock	52.6	0.7	<0.05	<0.005	1	<0.5	<0.5
1352901	Rock	0.8	<0.1	<0.05	<0.005	<1	12.5	<0.5
1352902	Rock	57.0	0.7	0.07	<0.005	<1	<0.5	<0.5
1352903	Rock	56.7	0.5	0.07	<0.005	<1	<0.5	<0.5
1352904	Rock	58.8	0.4	<0.05	<0.005	1	<0.5	<0.5
1352905	Rock	56.3	0.4	<0.05	<0.005	<1	0.5	<0.5
1352906	Rock	45.9	0.3	0.10	<0.005	<1	0.6	<0.5
1352907	Rock	38.0	0.2	<0.05	<0.005	<1	0.6	<0.5
1352908	Rock	36.6	0.3	0.05	<0.005	1	0.6	<0.5
1352909	Rock	40.0	0.3	<0.05	<0.005	1	0.5	<0.5
1352910	Rock	36.8	0.2	<0.05	<0.005	2	0.9	<0.5
1352911	Rock	30.5	0.2	<0.05	<0.005	1	0.8	<0.5
1352951	Rock	53.9	0.6	0.09	<0.005	<1	<0.5	<0.5
1352952	Rock	48.2	0.4	0.06	<0.005	<1	<0.5	<0.5
1352953	Rock	42.6	0.3	0.10	<0.005	<1	<0.5	<0.5
1352954	Rock	37.4	0.2	0.08	<0.005	<1	<0.5	<0.5
1352955	Rock	23.5	0.2	0.05	<0.005	<1	<0.5	<0.5
1352956	Rock	18.3	0.1	0.06	<0.005	<1	<0.5	<0.5
1352957	Rock	40.2	0.2	0.06	<0.005	<1	<0.5	<0.5
1352958	Rock	43.3	0.2	<0.05	<0.005	<1	<0.5	<0.5
1352959	Rock	39.9	0.3	0.06	<0.005	<1	<0.5	<0.5
1352960	Rock	44.2	0.2	0.09	<0.005	<1	0.6	<0.5
1352961	Rock Pulp	21.1	1.0	0.08	<0.005	<1	<0.5	<0.5
1352962	Rock	41.8	0.2	0.06	<0.005	<1	<0.5	<0.5
1352963	Rock	32.0	0.2	0.06	<0.005	<1	<0.5	<0.5
1352964	Rock	43.3	0.2	0.07	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1352965	Rock	3.51	0.018	1.3	108.9	14.1	194	0.4	27.0	30.1	1585	6.02	5	0.2	1.1	108	0.4	0.4	<0.1	349	4.18
1352966	Rock	2.99	0.057	0.8	188.0	13.5	178	0.7	28.0	31.5	1646	5.69	6	0.3	0.8	130	0.4	0.5	0.1	380	4.73
1352967	Rock	2.20	0.209	0.9	136.6	19.6	172	0.6	27.5	32.9	1521	5.77	7	0.3	0.8	99	0.6	0.5	0.2	336	3.45
1352968	Rock	2.45	0.030	0.7	56.5	14.9	141	0.3	29.3	33.9	1400	5.66	3	0.1	0.6	87	0.4	0.2	0.2	273	4.55
1352969	Rock	2.16	0.502	0.8	56.1	14.6	164	0.3	32.4	34.8	1404	6.43	2	0.2	0.6	90	0.4	0.2	0.1	308	3.69
1352970	Rock	4.01	0.178	1.4	93.0	14.6	151	0.4	19.6	32.4	1045	6.34	6	0.4	2.0	74	0.2	0.4	0.3	284	1.72
1352971	Rock	2.08	0.029	2.4	36.0	12.7	117	0.3	10.1	32.3	1262	6.41	9	0.9	2.5	65	0.2	0.4	0.4	257	0.84
1352972	Rock	3.38	0.046	2.0	56.6	16.2	139	0.4	14.5	30.0	1653	6.39	9	0.7	2.6	80	0.4	0.5	0.4	222	1.95
1352973	Rock	2.17	0.015	1.2	54.5	11.0	143	0.3	16.8	27.8	1605	5.62	9	0.7	2.4	62	0.3	0.4	0.3	171	1.54
1352974	Rock	3.67	0.022	1.2	69.2	10.8	151	0.4	16.5	24.3	1423	5.89	6	0.5	2.8	62	0.2	0.4	0.4	189	2.06
1352975	Rock	1.75	0.015	1.0	69.1	10.9	148	0.4	16.3	23.4	1418	5.77	6	0.5	2.8	61	0.2	0.3	0.4	188	2.04
1352976	Rock	2.90	0.019	1.3	47.3	10.6	144	0.3	15.7	24.9	1786	5.96	6	0.6	2.7	73	0.3	0.3	0.4	177	2.50
1352977	Rock	2.09	0.023	1.5	45.3	10.7	142	0.3	12.8	24.5	1384	6.18	9	1.2	2.9	52	0.3	0.4	0.5	178	0.97
1352978	Rock	2.44	0.014	1.2	33.3	9.0	131	0.3	12.5	27.0	1245	6.65	7	0.8	2.8	67	0.1	0.4	0.4	172	2.27
1352979	Rock	3.17	0.010	1.1	39.6	9.1	137	0.2	11.8	24.8	1377	6.02	6	1.0	2.9	77	0.1	0.3	0.4	177	2.78
1352980	Rock	3.66	0.007	1.6	33.6	8.8	124	0.2	10.4	21.2	1247	5.47	4	1.0	3.1	78	0.2	0.4	0.3	166	2.81
1352981	Rock	0.81	<0.005	0.1	2.5	1.6	14	0.1	1.7	0.7	224	0.48	<1	1.9	1.7	50	0.1	<0.1	<0.1	3	20.82
1352982	Rock	2.53	0.009	1.1	47.5	10.7	142	0.2	14.6	22.9	1485	5.46	5	0.9	3.0	114	0.3	0.4	0.3	157	3.78
1352983	Rock	3.04	0.310	1.0	47.4	11.3	130	0.4	12.5	22.0	1257	5.26	6	0.8	3.0	117	0.3	0.3	0.2	156	3.34
1352984	Rock	2.17	0.021	0.9	77.8	9.8	145	0.3	12.5	17.9	1239	5.14	5	0.5	3.0	104	0.3	0.3	0.2	172	3.14
1352985	Rock	2.58	0.018	1.0	71.9	10.8	136	0.3	14.1	21.2	1359	4.86	7	0.6	2.9	113	0.4	0.4	0.2	146	3.52
1352986	Rock	3.28	0.016	0.8	99.5	11.7	174	0.3	16.4	21.0	1385	5.20	3	0.8	2.8	115	0.4	0.4	0.2	167	3.45
1352987	Rock	4.32	0.010	0.9	63.8	9.3	140	0.3	15.7	20.7	1409	5.26	5	0.8	2.7	97	0.4	0.7	0.3	158	3.34
1352988	Rock	2.34	0.091	1.3	60.1	9.0	131	0.4	14.8	22.9	1349	5.00	5	1.0	2.9	99	0.4	0.5	0.3	149	3.23
1352989	Rock	2.45	0.178	1.1	56.0	11.2	162	0.4	13.8	21.5	1076	5.47	9	1.1	2.9	97	0.2	0.4	0.3	171	2.47
1352990	Rock	2.58	0.078	1.4	69.2	10.6	157	0.4	15.9	24.3	1489	5.71	12	0.8	3.0	115	0.4	0.5	0.3	183	3.23
1352991	Rock	2.38	0.019	1.0	70.6	9.6	158	0.3	15.6	18.7	1460	5.19	8	1.3	3.1	113	0.3	0.5	0.2	173	3.42
1352992	Rock	2.23	0.029	1.1	73.2	10.3	161	0.3	14.5	20.2	1451	5.55	9	1.0	3.4	96	0.3	0.6	0.3	174	3.17
1352993	Rock	2.38	0.010	0.8	67.2	10.4	142	0.3	14.9	19.8	1315	5.14	8	0.9	3.5	93	0.2	0.5	0.2	167	3.11
1368226	Rock	2.16	0.015	1.4	14.7	13.6	122	0.1	6.4	10.4	425	4.66	10	2.2	7.1	150	0.4	0.9	<0.1	78	1.01

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1352965	Rock	0.032	4.9	23	3.10	1253	0.144	7.61	1.229	1.46	1.1	6.9	12	0.4	5.8	0.4	<0.1	<1	29	33.9	0.7
1352966	Rock	0.023	3.4	19	3.30	474	0.164	7.74	1.310	1.89	1.3	5.7	8	0.4	4.5	0.4	<0.1	<1	29	32.9	1.1
1352967	Rock	0.027	3.5	23	2.72	1213	0.123	7.93	1.388	1.65	1.9	4.1	8	0.3	5.6	0.3	<0.1	<1	29	36.0	0.5
1352968	Rock	0.022	2.5	34	3.17	1284	0.105	8.18	1.768	1.25	0.9	3.3	6	0.3	4.0	0.2	<0.1	<1	29	36.4	0.2
1352969	Rock	0.026	2.9	43	3.53	1142	0.097	7.79	1.322	1.21	1.9	3.9	7	0.3	4.9	0.2	<0.1	<1	28	39.7	0.1
1352970	Rock	0.058	6.1	27	2.65	1475	0.109	8.20	1.536	1.92	1.1	6.2	15	0.6	6.6	0.3	<0.1	1	25	35.6	0.3
1352971	Rock	0.061	7.4	11	1.90	220	0.099	7.46	1.192	2.24	1.2	9.3	18	0.8	8.7	0.3	<0.1	1	22	30.7	0.8
1352972	Rock	0.064	9.1	25	1.93	132	0.095	7.86	1.214	2.18	1.4	10.6	21	0.9	9.4	0.4	<0.1	1	22	27.3	1.2
1352973	Rock	0.070	8.4	29	2.38	124	0.079	7.84	1.454	1.71	1.2	13.3	21	1.4	9.3	0.3	<0.1	<1	20	31.0	1.1
1352974	Rock	0.074	9.5	32	2.63	126	0.092	8.44	1.518	1.90	1.0	14.5	22	0.8	10.2	0.4	<0.1	1	22	30.6	1.5
1352975	Rock	0.072	9.4	29	2.57	118	0.091	8.39	1.568	1.90	0.9	13.3	23	0.9	10.3	0.4	<0.1	1	22	30.7	1.5
1352976	Rock	0.076	9.6	28	2.62	120	0.096	8.38	1.488	1.91	1.2	15.7	23	0.9	11.9	0.4	<0.1	<1	21	33.3	1.8
1352977	Rock	0.070	9.5	24	2.27	125	0.091	7.79	1.222	2.09	1.2	15.8	23	1.0	11.1	0.4	<0.1	1	20	30.2	1.1
1352978	Rock	0.076	9.3	18	2.29	103	0.094	7.80	1.487	1.88	1.4	14.2	22	0.9	9.4	0.5	<0.1	1	20	27.1	2.9
1352979	Rock	0.075	9.3	20	2.26	110	0.093	8.03	1.460	1.94	1.6	14.3	23	0.9	9.8	0.4	<0.1	<1	20	25.8	2.7
1352980	Rock	0.080	9.5	21	2.14	103	0.102	8.12	1.526	1.99	2.0	12.1	23	0.9	9.5	0.5	<0.1	1	19	24.2	1.9
1352981	Rock	0.017	0.9	1	12.81	43	0.005	0.10	0.008	0.06	<0.1	0.4	1	<0.1	1.0	0.2	<0.1	<1	<1	1.7	<0.1
1352982	Rock	0.078	10.9	30	2.16	140	0.088	8.36	1.521	2.07	1.8	11.2	26	1.1	9.1	0.4	<0.1	1	20	27.2	1.3
1352983	Rock	0.072	9.8	24	1.91	121	0.086	7.84	1.683	1.95	2.3	11.3	23	1.0	7.7	0.4	<0.1	1	20	20.7	1.4
1352984	Rock	0.072	10.3	27	2.11	171	0.087	8.38	1.712	1.80	1.3	10.5	23	0.9	7.8	0.4	<0.1	1	21	30.0	1.0
1352985	Rock	0.077	9.5	29	1.94	243	0.076	7.68	1.752	1.54	1.6	8.9	23	0.9	9.0	0.4	<0.1	<1	19	27.5	1.0
1352986	Rock	0.074	9.6	30	2.18	292	0.080	8.18	1.979	1.34	1.2	9.5	22	0.9	10.5	0.4	<0.1	<1	21	28.3	0.9
1352987	Rock	0.074	8.3	28	2.13	123	0.076	7.47	1.714	1.68	1.8	10.0	20	0.8	7.2	0.4	<0.1	1	20	26.1	1.6
1352988	Rock	0.073	9.2	30	2.03	109	0.074	7.41	1.653	1.86	2.2	10.9	22	0.9	6.8	0.3	<0.1	1	19	18.9	1.6
1352989	Rock	0.078	10.1	25	2.38	125	0.088	8.57	1.877	2.20	1.8	14.7	24	1.0	6.9	0.4	<0.1	1	21	19.8	1.9
1352990	Rock	0.076	10.7	31	2.27	151	0.087	8.63	1.454	2.31	1.9	13.3	25	1.0	8.2	0.3	<0.1	1	22	31.2	1.5
1352991	Rock	0.075	10.0	30	2.31	215	0.084	8.50	1.523	1.86	1.9	13.5	23	1.0	9.4	0.4	<0.1	1	21	30.4	1.0
1352992	Rock	0.074	10.9	30	2.38	130	0.091	8.56	1.571	1.88	1.6	14.0	25	1.1	9.6	0.4	<0.1	1	21	31.7	1.3
1352993	Rock	0.081	11.0	28	2.27	160	0.088	8.42	1.718	1.72	1.4	12.5	25	1.1	11.6	0.5	<0.1	1	21	32.3	1.0
1368226	Rock	0.095	22.2	32	1.85	2055	0.470	7.44	2.468	1.31	1.8	4.6	46	1.6	19.9	8.8	0.6	1	19	13.6	0.1

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Project: KSD
Report Date: November 12, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1352965	Rock	33.6	0.2	0.05	<0.005	<1	0.8	<0.5
1352966	Rock	39.2	0.1	<0.05	<0.005	<1	0.7	<0.5
1352967	Rock	39.4	0.1	<0.05	<0.005	<1	0.7	<0.5
1352968	Rock	24.3	0.1	0.07	<0.005	<1	0.9	<0.5
1352969	Rock	16.4	<0.1	0.06	<0.005	<1	0.9	<0.5
1352970	Rock	48.0	0.2	0.06	<0.005	<1	0.6	<0.5
1352971	Rock	71.5	0.3	0.10	<0.005	2	<0.5	<0.5
1352972	Rock	73.7	0.3	0.06	<0.005	2	<0.5	<0.5
1352973	Rock	60.0	0.3	0.10	<0.005	<1	<0.5	<0.5
1352974	Rock	62.9	0.4	0.06	<0.005	1	<0.5	<0.5
1352975	Rock	61.2	0.4	0.06	<0.005	<1	<0.5	<0.5
1352976	Rock	61.0	0.4	0.06	<0.005	2	<0.5	<0.5
1352977	Rock	71.1	0.4	0.08	<0.005	3	<0.5	<0.5
1352978	Rock	60.6	0.4	0.05	<0.005	3	<0.5	<0.5
1352979	Rock	62.5	0.4	0.07	<0.005	2	<0.5	<0.5
1352980	Rock	64.7	0.5	0.10	<0.005	<1	<0.5	<0.5
1352981	Rock	4.2	<0.1	<0.05	<0.005	<1	4.7	<0.5
1352982	Rock	67.4	0.3	0.09	<0.005	1	<0.5	<0.5
1352983	Rock	66.6	0.3	<0.05	<0.005	<1	<0.5	<0.5
1352984	Rock	63.1	0.3	<0.05	<0.005	<1	<0.5	<0.5
1352985	Rock	50.8	0.2	<0.05	<0.005	<1	<0.5	<0.5
1352986	Rock	45.2	0.3	0.07	<0.005	<1	<0.5	<0.5
1352987	Rock	50.6	0.3	0.09	<0.005	<1	<0.5	<0.5
1352988	Rock	61.3	0.3	0.07	<0.005	1	0.5	<0.5
1352989	Rock	73.4	0.4	0.08	<0.005	<1	<0.5	<0.5
1352990	Rock	75.2	0.4	0.11	<0.005	1	<0.5	0.5
1352991	Rock	59.2	0.4	0.08	<0.005	<1	<0.5	<0.5
1352992	Rock	64.9	0.4	0.08	<0.005	<1	<0.5	<0.5
1352993	Rock	60.5	0.4	0.08	<0.005	<1	<0.5	<0.5
1368226	Rock	45.0	0.2	0.10	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368227	Rock	3.81	0.007	1.1	14.8	11.4	115	0.2	6.0	10.8	423	4.12	13	1.4	6.4	49	0.3	0.7	0.1	73	0.34
1368228	Rock	4.48	0.015	1.6	16.3	13.4	128	0.3	5.5	11.1	516	4.57	9	2.3	6.8	98	0.5	1.1	0.1	79	0.60
1368229	Rock	3.10	0.008	2.4	18.4	14.8	120	0.4	8.7	13.2	485	4.69	13	2.0	6.3	125	0.8	0.7	<0.1	81	1.04
1368230	Rock	2.89	<0.005	14.4	44.6	25.9	163	0.6	50.7	9.4	384	2.53	37	2.4	10.9	84	1.9	1.2	0.2	170	1.23
1368231	Rock	2.41	<0.005	18.4	60.4	22.2	165	0.7	57.8	9.0	322	2.41	43	2.7	9.6	116	2.1	1.2	0.2	180	2.48
1368232	Rock	3.41	0.005	6.5	33.6	24.8	115	0.6	31.6	5.7	306	2.39	23	3.6	12.8	143	1.1	1.0	0.2	87	2.16
1368233	Rock	2.14	<0.005	2.9	16.1	29.6	90	0.4	18.4	4.2	296	2.27	31	4.7	15.8	151	0.5	0.5	0.3	49	1.58
1368234	Rock	1.49	<0.005	2.9	14.6	25.7	80	0.4	14.8	4.0	269	1.95	23	4.6	13.9	144	0.4	0.3	0.2	41	1.67
1368235	Rock	2.51	<0.005	2.5	16.4	20.2	102	0.4	9.0	10.4	534	4.10	16	6.5	8.4	133	0.4	1.2	0.1	74	1.79
1368236	Rock	2.17	<0.005	2.9	16.4	14.8	104	0.3	13.1	6.6	404	2.98	14	5.3	12.7	101	0.5	1.1	0.2	56	1.36
1368237	Rock	1.81	<0.005	1.7	16.4	12.9	117	0.2	10.2	9.0	642	3.64	12	2.9	8.6	134	0.4	0.8	<0.1	80	2.21
1368238	Rock	2.53	<0.005	2.0	19.8	12.2	130	0.3	13.7	11.7	747	4.82	4	3.8	9.2	133	0.4	1.1	<0.1	104	1.58
1368239	Rock	3.56	0.006	1.7	16.4	12.9	115	0.3	12.2	10.8	564	3.98	5	3.1	8.6	121	0.3	0.8	<0.1	91	1.13
1368240	Rock	2.95	<0.005	1.2	14.3	5.8	106	0.3	12.1	10.0	552	3.94	3	2.7	6.9	95	0.3	0.5	<0.1	82	1.05
1368241	Rock Pulp	0.13	1.945	3.7	37.1	9.5	69	0.4	35.6	16.4	720	4.08	10	0.7	1.8	250	0.1	2.7	0.2	136	2.69
1368242	Rock	4.04	0.007	1.3	11.9	8.6	98	0.2	13.7	9.2	533	3.69	5	2.4	6.6	99	0.4	0.7	<0.1	72	1.29
1368243	Rock	3.94	<0.005	2.1	12.5	11.6	76	0.3	10.3	7.5	380	2.83	12	1.9	4.8	84	0.5	0.5	0.1	49	1.56
1368244	Rock	2.75	<0.005	2.3	14.8	10.2	78	0.3	10.3	9.7	437	3.13	9	1.5	4.0	94	0.4	0.4	<0.1	52	1.54
1368245	Rock	2.41	0.014	3.1	18.5	20.7	89	0.3	15.5	9.4	439	2.90	11	1.5	4.7	91	0.5	0.5	0.1	63	1.33
1368246	Rock	2.93	<0.005	2.2	16.1	8.9	78	0.3	11.4	8.0	396	2.84	7	1.3	4.4	99	0.3	0.4	<0.1	57	1.43
1368426	Rock	1.61	0.021	0.7	30.7	16.1	121	0.2	22.0	21.6	1428	5.39	18	0.6	2.8	48	0.2	0.5	0.2	173	0.32
1368427	Rock	2.29	0.028	1.2	29.3	78.0	138	0.5	24.0	10.8	634	2.90	28	0.8	5.7	21	0.5	0.3	0.1	103	0.23
1368428	Rock	2.11	0.026	1.2	37.4	43.1	166	0.4	29.1	8.3	474	2.30	15	0.8	6.2	14	0.8	0.3	<0.1	87	0.20
1368429	Rock	1.42	0.078	1.5	25.5	11.2	123	0.3	25.1	8.4	593	2.49	7	0.9	7.1	18	1.0	0.4	<0.1	97	0.21
1368430	Rock	1.15	0.013	0.9	26.9	10.1	129	0.2	25.9	9.1	577	2.73	8	0.8	7.3	19	0.7	0.8	<0.1	103	0.24
1368431	Rock	1.27	0.014	1.9	17.4	8.1	121	0.2	23.1	24.5	1869	5.37	35	0.7	2.3	42	0.6	0.6	0.3	170	0.32
1368432	Rock	2.88	0.007	1.1	17.0	6.9	101	0.2	19.9	21.2	1615	4.85	11	0.5	2.9	51	0.5	0.3	0.2	146	1.67
1368433	Rock	3.27	0.014	0.6	31.9	7.6	93	0.2	15.1	17.6	1400	4.35	5	0.5	2.8	70	0.2	0.3	0.2	130	3.09
1368434	Rock	2.71	0.058	1.0	94.8	7.5	122	0.5	15.4	20.0	1595	4.94	5	0.6	2.9	86	0.5	0.3	0.3	157	2.66
1368435	Rock	1.26	0.026	1.1	47.6	8.7	142	0.3	16.4	28.1	1886	5.02	7	0.9	2.8	76	0.9	0.3	0.2	155	1.84

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368227	Rock	0.102	21.7	15	1.42	1514	0.440	6.65	2.988	1.34	2.2	8.2	43	1.5	18.1	7.7	0.5	1	18	10.3	0.2
1368228	Rock	0.105	24.3	13	1.79	2341	0.455	7.30	1.993	1.69	2.4	4.0	45	1.5	25.3	8.7	0.5	1	20	14.3	<0.1
1368229	Rock	0.099	21.1	16	2.51	2756	0.491	7.15	1.344	1.33	1.5	5.0	41	1.5	21.8	8.9	0.5	<1	19	14.8	0.1
1368230	Rock	0.070	28.7	63	1.71	487	0.222	5.25	0.471	1.67	1.5	61.7	55	2.0	16.8	8.4	0.6	2	9	21.4	0.2
1368231	Rock	0.060	26.5	53	1.67	154	0.212	4.88	0.329	1.58	1.4	52.7	49	1.8	18.8	7.9	0.5	2	9	21.9	0.8
1368232	Rock	0.045	33.3	28	1.73	427	0.182	5.65	0.637	1.45	1.3	39.2	63	2.2	19.8	8.8	0.7	2	9	22.7	0.8
1368233	Rock	0.031	36.5	23	1.85	358	0.193	6.22	0.664	1.65	1.2	31.3	70	2.5	22.7	11.1	0.8	2	9	26.4	0.4
1368234	Rock	0.029	33.8	18	1.66	323	0.168	5.76	0.604	1.54	1.2	25.9	64	2.4	20.8	10.0	0.7	2	8	22.6	0.3
1368235	Rock	0.090	24.4	18	2.02	186	0.485	7.20	1.618	1.34	1.8	10.1	49	1.6	21.4	9.6	0.6	1	17	25.3	0.7
1368236	Rock	0.059	32.1	20	1.85	296	0.326	6.66	0.985	1.98	1.7	40.7	61	2.1	20.7	10.4	0.7	2	13	25.2	0.4
1368237	Rock	0.085	23.8	25	2.05	614	0.421	6.98	2.235	1.31	1.5	32.5	47	2.1	17.8	9.2	0.6	1	19	21.7	0.2
1368238	Rock	0.112	26.8	47	2.66	257	0.509	8.23	2.561	1.82	2.0	35.1	53	2.0	21.6	11.6	0.7	2	21	23.0	0.5
1368239	Rock	0.104	28.0	34	2.14	697	0.408	7.56	3.060	1.28	1.2	42.9	54	1.6	15.6	9.0	0.6	2	17	20.8	0.3
1368240	Rock	0.090	24.2	30	1.77	1883	0.352	6.81	2.969	1.39	1.4	53.1	48	1.7	12.1	7.3	0.5	<1	15	16.9	0.2
1368241	Rock Pulp	0.063	9.1	61	1.45	505	0.391	6.70	2.373	1.00	23.8	27.9	20	1.0	15.3	4.0	0.2	<1	16	17.6	<0.1
1368242	Rock	0.088	22.7	29	1.79	373	0.337	6.59	2.658	1.42	1.2	31.5	45	1.4	13.2	7.2	0.5	<1	14	15.2	0.3
1368243	Rock	0.054	15.7	18	1.34	141	0.252	4.85	1.043	1.53	0.7	13.3	31	1.3	13.5	5.5	0.4	2	10	14.8	0.5
1368244	Rock	0.069	14.2	19	1.38	119	0.282	4.93	1.291	1.46	0.7	15.5	30	0.9	12.6	6.2	0.4	<1	10	14.5	0.6
1368245	Rock	0.063	16.7	28	1.22	176	0.278	5.36	2.384	1.02	0.7	23.5	33	1.1	12.7	6.4	0.4	<1	10	12.9	0.4
1368246	Rock	0.068	16.5	24	1.22	300	0.288	5.50	2.464	1.21	0.7	20.3	33	1.1	13.3	6.3	0.4	<1	10	12.1	0.3
1368426	Rock	0.066	9.7	43	2.31	1989	0.095	7.36	1.181	2.14	1.1	18.1	22	1.3	7.7	0.8	<0.1	1	19	34.9	0.2
1368427	Rock	0.077	19.2	42	1.11	2333	0.100	5.39	0.921	2.20	2.4	22.7	39	1.7	5.5	1.6	<0.1	1	10	14.2	<0.1
1368428	Rock	0.076	19.7	48	0.81	2413	0.096	4.85	0.908	2.19	1.6	22.4	39	1.8	4.8	1.8	<0.1	<1	8	10.3	<0.1
1368429	Rock	0.088	23.5	47	0.77	2796	0.098	5.56	1.020	2.54	1.7	24.0	45	1.5	6.4	1.6	<0.1	<1	10	11.5	<0.1
1368430	Rock	0.088	22.0	48	0.98	2670	0.110	5.68	0.788	2.69	1.4	21.2	46	1.7	6.7	1.6	<0.1	2	10	16.9	<0.1
1368431	Rock	0.077	7.0	53	2.46	2008	0.087	7.26	0.688	2.22	1.1	18.2	18	1.1	8.4	0.6	<0.1	1	18	75.1	<0.1
1368432	Rock	0.063	10.4	42	2.15	1763	0.065	7.44	0.887	1.93	0.8	13.9	24	1.0	9.0	0.3	<0.1	<1	17	40.2	0.2
1368433	Rock	0.067	9.8	33	1.61	1064	0.055	6.95	1.453	1.64	0.8	15.9	22	0.9	8.1	0.3	<0.1	1	16	27.0	0.3
1368434	Rock	0.068	10.6	33	1.46	1113	0.063	7.79	1.472	1.93	1.0	15.8	24	0.8	7.6	0.2	<0.1	1	19	24.4	0.3
1368435	Rock	0.069	11.2	41	1.82	1745	0.058	7.56	1.327	1.78	1.1	16.8	25	0.9	10.0	0.2	<0.1	1	19	30.9	0.1

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Project: KSD
Report Date: November 12, 2014

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CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368227	Rock	43.2	0.3	0.06	<0.005	<1	<0.5	<0.5
1368228	Rock	56.4	0.1	0.11	<0.005	<1	<0.5	<0.5
1368229	Rock	40.2	0.1	0.06	<0.005	<1	<0.5	<0.5
1368230	Rock	62.5	1.9	0.05	0.013	6	<0.5	0.9
1368231	Rock	56.6	1.5	<0.05	0.034	9	0.9	0.8
1368232	Rock	55.5	1.2	0.09	0.014	5	0.6	0.8
1368233	Rock	61.4	0.9	0.08	0.008	3	<0.5	0.7
1368234	Rock	55.9	0.8	0.07	0.014	2	<0.5	0.7
1368235	Rock	50.3	0.4	0.08	0.007	2	<0.5	0.6
1368236	Rock	68.7	1.4	0.09	0.014	2	<0.5	0.8
1368237	Rock	44.4	1.1	0.09	0.007	1	0.6	<0.5
1368238	Rock	69.7	1.0	0.11	<0.005	<1	<0.5	0.6
1368239	Rock	47.2	1.2	0.09	<0.005	1	<0.5	<0.5
1368240	Rock	45.7	1.4	0.08	0.006	<1	<0.5	<0.5
1368241	Rock Pulp	21.8	0.9	0.06	<0.005	<1	<0.5	<0.5
1368242	Rock	45.8	0.8	<0.05	<0.005	2	<0.5	<0.5
1368243	Rock	46.9	0.4	<0.05	<0.005	3	<0.5	<0.5
1368244	Rock	45.6	0.4	<0.05	0.006	2	<0.5	<0.5
1368245	Rock	32.1	0.6	<0.05	<0.005	2	<0.5	<0.5
1368246	Rock	35.0	0.5	<0.05	<0.005	1	<0.5	<0.5
1368426	Rock	57.3	0.6	<0.05	<0.005	2	<0.5	<0.5
1368427	Rock	71.8	0.7	<0.05	<0.005	1	<0.5	0.6
1368428	Rock	67.2	0.8	<0.05	<0.005	2	<0.5	0.6
1368429	Rock	83.1	0.6	<0.05	<0.005	<1	<0.5	0.7
1368430	Rock	86.7	0.6	0.06	<0.005	<1	<0.5	0.6
1368431	Rock	47.3	0.4	0.09	<0.005	1	<0.5	<0.5
1368432	Rock	60.1	0.4	<0.05	<0.005	<1	<0.5	<0.5
1368433	Rock	49.6	0.3	0.08	<0.005	<1	<0.5	<0.5
1368434	Rock	59.5	0.4	0.08	<0.005	1	<0.5	<0.5
1368435	Rock	58.7	0.5	0.09	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1368436	Rock	3.06	7.678	1.3	17.1	13.2	75	0.6	11.2	14.4	741	3.48	284	0.6	3.4	98	0.4	0.5	<0.1	81	3.76
1368437	Rock	2.74	0.097	1.2	17.5	12.3	106	0.3	11.9	12.2	722	4.03	5	0.8	3.9	92	0.4	0.3	<0.1	97	3.28
1368438	Rock	2.25	0.021	1.8	45.4	10.2	124	0.4	11.0	16.4	860	4.38	6	1.2	4.3	74	0.5	0.3	0.1	131	2.82
1368439	Rock	1.70	0.034	1.3	102.9	10.6	135	0.8	9.8	21.8	1147	6.09	5	1.8	2.8	70	0.3	0.3	0.3	246	0.88
1368440	Rock	2.93	0.025	1.3	71.4	14.1	137	0.7	10.8	19.4	823	5.31	5	1.0	4.0	101	0.3	0.3	0.3	178	1.29
1368441	Rock Pulp	0.13	1.855	4.1	36.7	8.8	65	0.3	32.2	15.3	726	4.00	8	0.7	1.8	253	0.3	2.8	0.1	134	2.68
1368442	Rock	1.91	0.053	0.7	247.9	11.1	180	1.8	10.2	27.4	1914	6.17	3	0.3	1.6	95	1.1	0.3	0.4	326	3.12
1368443	Rock	2.25	0.056	0.8	277.3	9.1	269	1.8	13.4	29.6	2304	6.56	2	0.2	1.2	77	1.4	0.3	0.5	328	3.44
1368444	Rock	1.67	0.041	1.8	182.4	9.7	340	1.2	20.4	25.8	1646	9.04	4	0.9	1.4	72	0.9	0.2	0.4	312	0.47
1368445	Rock	2.60	0.045	2.5	192.9	23.5	312	1.4	21.6	28.3	1880	8.52	3	0.5	1.3	81	0.9	0.3	0.6	303	1.47
1368446	Rock	2.18	0.057	3.4	136.9	9.7	252	1.2	23.9	30.8	1884	7.40	3	0.4	1.4	75	1.1	0.3	0.4	259	2.13
1368447	Rock	2.30	0.058	2.0	134.2	12.1	317	1.4	42.8	34.3	1978	7.10	1	0.2	1.0	84	1.1	0.4	0.4	269	2.72
1368448	Rock	2.29	0.052	1.2	66.2	17.9	195	0.9	31.1	26.2	1766	6.07	<1	0.4	1.9	80	0.5	0.3	0.3	190	2.96
1368449	Rock	2.97	0.046	1.1	83.9	13.2	157	1.2	25.9	29.6	2204	6.31	<1	0.2	1.1	97	0.7	0.3	0.3	264	4.29
1368450	Rock	2.66	0.031	0.9	75.4	14.6	130	1.2	14.7	24.9	1640	5.35	5	0.5	1.5	118	0.5	0.3	0.3	236	5.02
1368451	Rock	2.97	0.059	0.5	41.9	16.6	120	1.7	9.3	23.2	1115	5.44	11	0.4	1.9	98	0.5	0.4	0.4	191	3.36
1368452	Rock	2.50	0.074	0.7	40.2	15.4	132	1.7	9.6	25.0	863	6.41	9	0.3	1.7	82	0.2	0.4	0.4	226	2.29
1368453	Rock	2.57	0.111	0.9	37.2	13.4	105	1.8	9.3	23.3	758	6.23	12	0.4	1.9	65	0.3	0.4	0.3	203	2.01
1368454	Rock	2.35	0.107	1.3	29.1	17.8	117	1.9	9.7	23.9	671	6.50	14	0.5	1.8	60	0.5	0.5	0.3	230	1.94
1368455	Rock	2.39	0.057	1.5	27.8	21.1	142	1.1	11.4	24.8	792	7.03	6	0.6	1.6	43	0.6	0.4	0.3	243	1.80
1368456	Rock	2.02	0.168	3.9	256.4	47.2	2213	4.3	8.9	21.9	534	6.83	10	0.7	1.4	33	30.6	0.4	1.0	237	0.46
1368457	Rock	3.03	0.055	1.4	80.1	24.7	633	1.3	9.6	24.1	711	6.03	3	0.5	1.2	41	7.4	0.4	0.4	207	1.29
1368458	Rock	2.14	0.038	1.6	38.1	19.9	286	0.7	10.8	27.8	883	6.22	2	0.3	1.2	48	1.1	0.3	0.3	209	1.89
1368459	Rock	2.00	0.177	1.6	239.1	271.8	804	3.3	11.8	23.8	512	6.94	19	0.7	1.2	33	10.7	1.3	1.0	256	0.82
1368460	Rock	2.18	0.262	3.7	325.8	1523.2	1171	6.1	13.1	21.4	396	5.96	15	0.6	1.0	38	18.9	2.6	0.9	221	0.90
1368461	Rock	1.04	<0.005	<0.1	4.3	7.9	25	0.1	2.0	0.6	225	0.54	<1	0.4	<0.1	44	0.2	<0.1	<0.1	3	20.22
1368462	Rock	2.17	0.479	2.7	527.7	2092.5	1462	7.8	13.0	23.4	402	5.83	13	0.6	1.1	30	37.9	3.8	0.9	202	0.84
1368463	Rock	2.28	0.232	1.3	329.7	700.0	1477	3.8	10.9	19.3	793	4.81	6	0.4	1.1	54	25.4	1.5	1.3	171	2.25
1368464	Rock	2.61	0.078	1.4	88.4	161.3	630	1.0	12.1	25.5	962	6.37	6	0.5	1.4	52	6.1	0.6	0.5	229	2.08
1368465	Rock	1.99	0.061	1.4	103.2	141.3	506	0.9	11.2	26.0	1559	5.76	4	0.4	1.4	80	5.3	0.6	0.2	229	3.58

CERTIFICATE OF ANALYSIS

WHI14000253.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368436	Rock	0.074	13.2	20	1.11	214	0.060	5.38	0.518	2.11	4.0	11.9	27	0.6	8.3	0.4	<0.1	1	15	6.1	0.6
1368437	Rock	0.084	14.4	25	1.74	338	0.066	6.35	0.861	1.89	1.3	14.2	30	0.6	6.9	0.6	<0.1	2	17	15.0	0.4
1368438	Rock	0.082	14.7	23	1.56	329	0.068	6.85	0.751	2.10	1.1	13.1	33	0.7	8.5	0.3	<0.1	<1	19	21.4	0.5
1368439	Rock	0.069	10.2	12	1.74	266	0.070	7.16	1.041	2.17	0.8	10.0	23	0.8	8.3	0.3	<0.1	1	22	21.8	0.5
1368440	Rock	0.079	15.4	20	1.79	554	0.070	7.05	0.589	2.10	0.8	14.7	34	0.6	10.3	0.5	<0.1	<1	20	23.2	0.3
1368441	Rock Pulp	0.061	9.3	55	1.43	490	0.386	6.69	2.371	0.92	23.3	27.8	19	1.1	15.4	3.8	0.3	<1	15	16.4	<0.1
1368442	Rock	0.047	5.6	15	2.18	70	0.075	7.80	0.631	2.21	0.7	5.2	14	0.9	5.6	0.2	<0.1	<1	25	24.9	2.1
1368443	Rock	0.036	4.6	19	2.42	73	0.080	7.37	0.614	1.90	0.8	5.0	12	0.8	4.7	0.2	<0.1	<1	27	25.0	2.7
1368444	Rock	0.060	6.2	62	2.64	329	0.070	7.81	0.827	1.81	0.6	7.6	16	0.8	3.6	0.2	<0.1	1	29	33.0	0.6
1368445	Rock	0.058	4.9	58	3.15	67	0.070	8.09	0.946	1.65	0.7	6.6	13	0.7	4.7	0.2	<0.1	<1	30	36.7	1.8
1368446	Rock	0.051	4.2	59	3.01	43	0.066	7.47	1.043	1.71	0.8	7.0	12	0.6	4.7	0.2	<0.1	<1	28	33.8	2.9
1368447	Rock	0.042	4.2	107	3.66	54	0.061	7.71	0.956	1.58	0.9	5.2	11	0.8	3.9	0.2	<0.1	1	31	27.8	2.8
1368448	Rock	0.053	6.1	80	2.93	64	0.061	7.07	1.251	1.41	1.4	11.0	17	0.6	4.7	0.3	<0.1	<1	25	20.6	3.0
1368449	Rock	0.036	4.1	49	3.22	57	0.070	7.17	0.982	1.79	1.2	5.0	11	0.8	5.1	0.2	<0.1	<1	28	21.7	3.4
1368450	Rock	0.044	5.5	30	2.05	75	0.066	6.61	0.453	1.85	1.3	6.3	14	0.7	7.9	0.2	<0.1	<1	25	30.8	2.7
1368451	Rock	0.054	6.0	14	1.79	74	0.070	7.01	0.666	1.86	1.6	7.2	16	1.0	7.4	0.3	<0.1	<1	20	28.0	2.9
1368452	Rock	0.057	5.7	14	2.20	52	0.069	7.82	0.967	1.97	1.4	6.6	16	0.8	5.8	0.3	<0.1	<1	23	26.9	3.5
1368453	Rock	0.056	4.9	12	1.93	45	0.078	7.56	0.681	2.68	1.8	8.0	15	0.8	5.3	0.3	<0.1	<1	20	18.5	3.7
1368454	Rock	0.057	4.9	12	1.81	64	0.077	7.48	0.762	2.59	1.6	8.8	14	0.8	6.2	0.3	<0.1	2	23	18.6	3.6
1368455	Rock	0.052	3.5	12	1.97	46	0.080	7.10	1.016	1.84	1.5	9.7	11	0.8	6.1	0.3	<0.1	<1	24	20.5	4.5
1368456	Rock	0.047	2.5	14	1.95	33	0.074	5.99	1.080	1.67	1.4	9.6	9	0.8	3.4	0.2	<0.1	<1	20	21.9	3.4
1368457	Rock	0.042	3.7	13	2.06	48	0.075	5.96	0.863	1.49	2.8	7.0	10	0.6	4.6	0.2	<0.1	1	19	24.7	3.0
1368458	Rock	0.048	3.9	16	2.11	47	0.071	6.13	1.115	1.56	7.8	6.8	11	0.5	4.2	0.3	<0.1	<1	22	20.2	3.6
1368459	Rock	0.053	2.6	17	2.30	38	0.087	6.54	1.004	1.96	2.5	9.4	9	0.8	3.3	0.3	<0.1	<1	22	20.5	4.0
1368460	Rock	0.045	2.5	22	1.46	46	0.089	6.43	1.312	2.07	2.8	9.8	9	0.7	4.1	0.3	<0.1	1	23	9.9	4.5
1368461	Rock	0.017	0.7	2	11.98	78	0.004	0.10	0.009	0.04	<0.1	0.4	1	<0.1	0.9	0.2	<0.1	<1	<1	1.4	<0.1
1368462	Rock	0.046	2.5	21	1.40	48	0.086	6.15	1.236	1.94	3.1	9.9	9	0.5	3.6	0.3	<0.1	<1	21	9.0	4.5
1368463	Rock	0.041	3.5	15	1.60	68	0.074	5.71	1.199	1.59	4.1	7.4	10	0.5	4.6	0.3	<0.1	<1	19	8.9	3.1
1368464	Rock	0.054	4.1	16	2.25	70	0.089	6.87	1.442	1.86	2.8	9.9	12	0.9	4.8	0.4	<0.1	<1	23	14.6	4.0
1368465	Rock	0.053	4.2	21	2.09	73	0.096	7.24	1.213	2.58	2.6	9.0	12	1.0	6.1	0.3	<0.1	<1	24	11.0	3.5

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368436	Rock	63.4	0.3	0.06	<0.005	<1	<0.5	<0.5
1368437	Rock	52.2	0.3	0.08	<0.005	<1	<0.5	<0.5
1368438	Rock	62.7	0.4	0.06	<0.005	<1	<0.5	<0.5
1368439	Rock	60.4	0.2	0.08	0.005	2	0.5	<0.5
1368440	Rock	65.5	0.4	0.06	<0.005	<1	<0.5	<0.5
1368441	Rock Pulp	21.8	0.9	<0.05	<0.005	<1	<0.5	<0.5
1368442	Rock	57.1	0.2	0.08	<0.005	2	<0.5	<0.5
1368443	Rock	51.6	0.1	0.05	<0.005	1	0.7	<0.5
1368444	Rock	44.3	0.3	0.10	<0.005	1	0.7	<0.5
1368445	Rock	47.5	0.2	0.09	<0.005	3	0.6	<0.5
1368446	Rock	48.2	0.2	0.10	<0.005	2	<0.5	<0.5
1368447	Rock	43.3	0.1	0.09	0.007	2	0.5	<0.5
1368448	Rock	42.1	0.3	0.05	<0.005	3	<0.5	<0.5
1368449	Rock	46.3	0.2	<0.05	0.006	3	<0.5	<0.5
1368450	Rock	51.0	0.2	<0.05	<0.005	3	0.5	<0.5
1368451	Rock	60.2	0.2	0.07	<0.005	<1	0.5	<0.5
1368452	Rock	62.6	0.2	0.06	<0.005	3	0.6	<0.5
1368453	Rock	78.2	0.2	0.06	<0.005	3	<0.5	<0.5
1368454	Rock	68.0	0.3	0.14	<0.005	4	0.7	<0.5
1368455	Rock	61.8	0.2	0.05	<0.005	4	<0.5	<0.5
1368456	Rock	52.9	0.3	0.14	0.007	7	<0.5	<0.5
1368457	Rock	47.0	0.2	0.06	0.005	3	<0.5	<0.5
1368458	Rock	49.1	0.2	0.07	<0.005	4	<0.5	<0.5
1368459	Rock	60.4	0.3	0.07	0.009	7	0.7	<0.5
1368460	Rock	65.0	0.3	0.07	0.005	14	1.0	<0.5
1368461	Rock	1.5	<0.1	<0.05	0.006	<1	3.6	<0.5
1368462	Rock	64.3	0.3	0.05	0.009	24	0.8	<0.5
1368463	Rock	49.1	0.2	0.06	<0.005	9	<0.5	<0.5
1368464	Rock	60.3	0.3	<0.05	<0.005	4	<0.5	<0.5
1368465	Rock	67.9	0.2	<0.05	<0.005	2	<0.5	0.5

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1
1368466	Rock	2.40	0.115	1.1	166.5	357.6	1053	1.6	10.7	20.4	882	5.34	6	0.5	1.4	52	10.5	1.3	0.4	176
1368467	Rock	1.77	0.164	1.5	298.8	601.9	1514	3.0	11.5	23.6	756	6.47	20	0.8	0.8	55	22.5	5.4	0.6	202

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1368466	Rock	0.055	3.2	19	1.67	80	0.088	6.64	0.907	2.38	3.3	11.0	11	0.8	5.7	0.4	<0.1	<1	20	8.8	3.6
1368467	Rock	0.047	1.4	18	1.66	62	0.092	7.01	0.592	2.74	2.5	11.1	5	1.1	6.1	0.3	<0.1	1	22	8.9	4.8

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1368466	Rock	76.3	0.3	0.07	<0.005	5	<0.5	0.5
1368467	Rock	81.4	0.3	0.06	<0.005	8	<0.5	0.7

QUALITY CONTROL REPORT

WHI14000253.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																						
REP ROCK-WHI	QC	<0.005																				
1352876	Rock	1.54	0.027	1.2	26.9	13.8	114	0.2	21.9	10.0	499	3.57	41	1.3	6.5	60	0.3	0.9	<0.1	119	0.36	
REP 1352876	QC			0.9	26.2	14.0	113	0.2	19.7	9.9	517	3.59	42	1.3	7.0	63	0.2	1.1	<0.1	122	0.37	
1352911	Rock	3.31	0.006	1.5	32.3	20.7	93	0.3	26.0	13.8	554	3.69	23	1.9	5.0	177	0.4	0.9	<0.1	149	3.24	
REP 1352911	QC			1.7	32.7	19.8	93	0.3	26.4	13.9	576	3.75	23	1.9	5.1	184	0.5	0.9	<0.1	150	3.27	
1352979	Rock	3.17	0.010	1.1	39.6	9.1	137	0.2	11.8	24.8	1377	6.02	6	1.0	2.9	77	0.1	0.3	0.4	177	2.78	
REP 1352979	QC			0.011																		
1352985	Rock	2.58	0.018	1.0	71.9	10.8	136	0.3	14.1	21.2	1359	4.86	7	0.6	2.9	113	0.4	0.4	0.2	146	3.52	
REP 1352985	QC			0.8	70.2	11.1	130	0.3	14.1	21.2	1356	4.94	7	0.7	2.8	115	0.3	0.4	0.2	145	3.57	
1368431	Rock	1.27	0.014	1.9	17.4	8.1	121	0.2	23.1	24.5	1869	5.37	35	0.7	2.3	42	0.6	0.6	0.3	170	0.32	
REP 1368431	QC			1.5	16.3	7.3	113	0.2	23.1	23.5	1878	5.40	32	0.7	2.3	41	0.5	0.6	0.2	168	0.34	
1368439	Rock	1.70	0.034	1.3	102.9	10.6	135	0.8	9.8	21.8	1147	6.09	5	1.8	2.8	70	0.3	0.3	0.3	246	0.88	
REP 1368439	QC			0.034																		
1368466	Rock	2.40	0.115	1.1	166.5	357.6	1053	1.6	10.7	20.4	882	5.34	6	0.5	1.4	52	10.5	1.3	0.4	176	2.44	
REP 1368466	QC			0.9	162.9	379.0	1083	1.6	12.0	20.4	948	5.35	6	0.5	1.4	55	11.7	1.1	0.4	179	2.47	
1368467	Rock	1.77	0.164	1.5	298.8	601.9	1514	3.0	11.5	23.6	756	6.47	20	0.8	0.8	55	22.5	5.4	0.6	202	2.25	
REP 1368467	QC			0.163																		
Core Reject Duplicates																						
1352879	Rock	2.15	0.024	0.9	22.9	6.2	118	0.6	13.7	9.1	463	3.77	80	1.1	5.8	79	0.3	1.1	<0.1	92	2.04	
DUP 1352879	QC			0.026	0.9	23.5	6.2	113	0.6	13.1	9.5	462	3.83	86	1.0	5.9	78	0.4	1.1	<0.1	91	2.00
1352956	Rock	1.51	0.035	0.5	137.6	60.9	221	0.8	29.2	32.2	1896	7.38	8	0.4	0.9	103	1.5	0.5	0.4	325	1.43	
DUP 1352956	QC			0.034	0.5	142.1	60.7	229	0.8	30.5	33.0	1862	7.44	9	0.4	1.0	107	1.4	0.5	0.4	328	1.43
1368226	Rock	2.16	0.015	1.4	14.7	13.6	122	0.1	6.4	10.4	425	4.66	10	2.2	7.1	150	0.4	0.9	<0.1	78	1.01	
DUP 1368226	QC			0.015	1.5	15.9	14.1	126	0.1	6.6	11.0	424	4.73	9	2.3	7.2	155	0.4	1.0	0.1	81	1.01
1368443	Rock	2.25	0.056	0.8	277.3	9.1	269	1.8	13.4	29.6	2304	6.56	2	0.2	1.2	77	1.4	0.3	0.5	328	3.44	
DUP 1368443	QC			0.056	0.9	292.3	9.5	270	1.9	13.0	30.6	2414	6.85	2	0.2	1.2	81	1.5	0.3	0.5	343	3.61
Reference Materials																						
STD OREAS25A-4A	Standard			2.5	38.0	27.6	44	0.1	46.4	7.8	492	6.60	10	3.1	17.5	50	0.2	0.6	0.4	163	0.29	

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
REP ROCK-WHI	QC																				
1352876	Rock	0.058	23.3	54	1.21	1986	0.323	5.75	1.372	1.61	1.6	13.9	45	1.4	16.0	6.8	0.4	1	14	16.7	<0.1
REP 1352876	QC	0.061	24.5	56	1.21	2062	0.343	5.87	1.419	1.64	1.7	14.6	48	1.7	17.1	7.1	0.4	2	14	17.1	<0.1
1352911	Rock	0.056	16.4	60	2.00	1063	0.388	5.95	1.401	0.75	0.9	5.9	30	1.2	18.1	6.1	0.4	1	17	19.0	0.2
REP 1352911	QC	0.057	17.0	62	2.04	1117	0.386	6.08	1.426	0.76	0.8	5.6	31	1.3	18.3	6.0	0.4	1	17	18.8	0.2
1352979	Rock	0.075	9.3	20	2.26	110	0.093	8.03	1.460	1.94	1.6	14.3	23	0.9	9.8	0.4	<0.1	<1	20	25.8	2.7
REP 1352979	QC																				
1352985	Rock	0.077	9.5	29	1.94	243	0.076	7.68	1.752	1.54	1.6	8.9	23	0.9	9.0	0.4	<0.1	<1	19	27.5	1.0
REP 1352985	QC	0.069	9.3	26	1.93	178	0.078	7.55	1.795	1.46	1.6	8.7	22	0.9	8.9	0.4	<0.1	<1	19	28.6	1.0
1368431	Rock	0.077	7.0	53	2.46	2008	0.087	7.26	0.688	2.22	1.1	18.2	18	1.1	8.4	0.6	<0.1	1	18	75.1	<0.1
REP 1368431	QC	0.075	6.6	49	2.46	1867	0.085	7.24	0.668	2.22	1.0	17.0	17	1.0	8.3	0.5	<0.1	<1	18	67.7	<0.1
1368439	Rock	0.069	10.2	12	1.74	266	0.070	7.16	1.041	2.17	0.8	10.0	23	0.8	8.3	0.3	<0.1	1	22	21.8	0.5
REP 1368439	QC																				
1368466	Rock	0.055	3.2	19	1.67	80	0.088	6.64	0.907	2.38	3.3	11.0	11	0.8	5.7	0.4	<0.1	<1	20	8.8	3.6
REP 1368466	QC	0.056	3.7	20	1.67	78	0.096	6.79	0.925	2.45	3.5	11.4	12	0.9	5.8	0.4	<0.1	<1	21	9.0	3.6
1368467	Rock	0.047	1.4	18	1.66	62	0.092	7.01	0.592	2.74	2.5	11.1	5	1.1	6.1	0.3	<0.1	1	22	8.9	4.8
REP 1368467	QC																				
Core Reject Duplicates																					
1352879	Rock	0.095	20.8	31	1.60	1834	0.382	6.12	1.784	1.40	1.7	8.6	39	1.2	15.6	7.1	0.4	1	16	12.9	0.1
DUP 1352879	QC	0.096	20.6	31	1.61	1868	0.397	6.14	1.751	1.39	1.8	9.0	39	1.4	16.4	7.2	0.4	<1	16	12.7	0.1
1352956	Rock	0.045	4.2	48	3.62	1169	0.129	9.05	2.726	1.04	0.9	4.3	10	0.5	9.3	0.5	<0.1	<1	38	42.2	<0.1
DUP 1352956	QC	0.042	4.5	49	3.65	1175	0.135	8.98	2.706	1.05	1.0	4.5	11	0.4	9.7	0.5	<0.1	<1	38	37.9	<0.1
1368226	Rock	0.095	22.2	32	1.85	2055	0.470	7.44	2.468	1.31	1.8	4.6	46	1.6	19.9	8.8	0.6	1	19	13.6	0.1
DUP 1368226	QC	0.101	23.1	29	1.89	2105	0.477	7.73	2.533	1.29	1.9	4.7	48	1.5	21.3	8.9	0.6	1	20	13.6	0.1
1368443	Rock	0.036	4.6	19	2.42	73	0.080	7.37	0.614	1.90	0.8	5.0	12	0.8	4.7	0.2	<0.1	<1	27	25.0	2.7
DUP 1368443	QC	0.044	5.3	19	2.51	83	0.077	7.53	0.600	1.97	0.8	4.7	13	0.8	5.0	0.2	<0.1	<1	28	24.9	2.8
Reference Materials																					
STD OREAS25A-4A	Standard	0.048	24.2	116	0.34	147	0.895	9.03	0.132	0.50	1.8	152.3	50	4.6	11.6	19.8	1.4	<1	10	36.7	<0.1

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
REP ROCK-WHI	QC							
1352876	Rock	59.3	0.4	0.07	<0.005	1	<0.5	0.7
REP 1352876	QC	62.4	0.4	0.09	<0.005	1	<0.5	0.7
1352911	Rock	30.5	0.2	<0.05	<0.005	1	0.8	<0.5
REP 1352911	QC	30.7	0.2	0.06	<0.005	1	0.5	<0.5
1352979	Rock	62.5	0.4	0.07	<0.005	2	<0.5	<0.5
REP 1352979	QC							
1352985	Rock	50.8	0.2	<0.05	<0.005	<1	<0.5	<0.5
REP 1352985	QC	53.1	0.3	0.05	<0.005	<1	<0.5	<0.5
1368431	Rock	47.3	0.4	0.09	<0.005	1	<0.5	<0.5
REP 1368431	QC	49.2	0.4	0.12	<0.005	<1	<0.5	0.5
1368439	Rock	60.4	0.2	0.08	0.005	2	0.5	<0.5
REP 1368439	QC							
1368466	Rock	76.3	0.3	0.07	<0.005	5	<0.5	0.5
REP 1368466	QC	80.6	0.3	0.12	<0.005	7	<0.5	0.6
1368467	Rock	81.4	0.3	0.06	<0.005	8	<0.5	0.7
REP 1368467	QC							
Core Reject Duplicates								
1352879	Rock	47.9	0.2	0.05	<0.005	<1	<0.5	<0.5
DUP 1352879	QC	49.1	0.2	<0.05	<0.005	1	0.6	<0.5
1352956	Rock	18.3	0.1	0.06	<0.005	<1	<0.5	<0.5
DUP 1352956	QC	20.1	0.1	0.10	<0.005	<1	<0.5	<0.5
1368226	Rock	45.0	0.2	0.10	<0.005	<1	<0.5	<0.5
DUP 1368226	QC	47.3	0.2	0.10	<0.005	<1	<0.5	<0.5
1368443	Rock	51.6	0.1	0.05	<0.005	1	0.7	<0.5
DUP 1368443	QC	53.6	0.1	0.06	<0.005	2	0.5	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	62.4	4.2	0.12	<0.005	3	<0.5	<0.5

QUALITY CONTROL REPORT

WHI14000253.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.6	36.5	28.3	46	<0.1	50.7	8.3	524	6.85	10	3.2	17.5	52	<0.1	0.6	0.4	165	0.30
STD OREAS25A-4A	Standard			2.3	37.1	23.3	41	<0.1	44.9	7.4	419	6.77	9	2.6	14.2	39	0.1	0.6	0.3	169	0.26
STD OREAS25A-4A	Standard			2.3	34.0	25.3	46	<0.1	44.0	7.5	416	6.47	10	2.4	14.4	38	0.1	0.6	0.3	165	0.27
STD OREAS25A-4A	Standard			2.8	39.3	30.7	48	<0.1	52.1	9.0	520	6.95	11	3.6	20.1	54	<0.1	0.6	0.4	175	0.35
STD OREAS45E	Standard			2.5	830.5	22.0	49	0.4	497.7	62.9	596	26.54	18	2.8	15.6	19	<0.1	1.0	0.3	345	0.07
STD OREAS45E	Standard			2.7	817.0	22.6	51	0.2	488.6	62.9	592	26.64	18	2.9	15.6	19	<0.1	1.2	0.3	337	0.07
STD OREAS45E	Standard			2.2	818.8	19.6	48	0.3	503.7	58.6	514	25.98	15	2.5	13.0	14	0.2	0.8	0.3	334	0.07
STD OREAS45E	Standard			1.9	826.5	20.7	46	0.3	484.8	60.1	513	26.28	15	2.6	13.5	14	<0.1	1.1	0.4	341	0.06
STD OREAS45E	Standard			2.3	837.8	20.8	48	0.4	503.6	63.0	599	25.41	18	2.7	15.9	19	<0.1	1.1	0.3	332	0.07
STD OXD108	Standard		0.430																		
STD OXD108	Standard		0.427																		
STD OXD108	Standard		0.421																		
STD OXD108	Standard		0.407																		
STD OXI121	Standard		1.751																		
STD OXI121	Standard		1.765																		
STD OXI121	Standard		1.777																		
STD OXI121	Standard		1.794																		
STD OXN117	Standard		7.742																		
STD OXN117	Standard		7.785																		
STD OXN117	Standard		7.952																		
STD OXN117	Standard		7.703																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

QUALITY CONTROL REPORT

WHI14000253.1

		MA200 P %	MA200 La ppm	MA200 Cr ppm	MA200 Mg %	MA200 Ba ppm	MA200 Ti %	MA200 Al %	MA200 Na %	MA200 K %	MA200 W ppm	MA200 Zr ppm	MA200 Ce ppm	MA200 Sn ppm	MA200 Y ppm	MA200 Nb ppm	MA200 Ta ppm	MA200 Be ppm	MA200 Sc ppm	MA200 Li ppm	MA200 S %
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS25A-4A	Standard	0.051	26.6	129	0.35	155	0.911	9.04	0.131	0.49	2.1	159.4	55	4.4	11.8	20.8	1.6	1	10	41.7	<0.1
STD OREAS25A-4A	Standard	0.042	20.5	113	0.31	133	0.950	9.13	0.112	0.44	3.4	140.5	44	3.8	9.4	17.9	1.3	1	14	33.6	<0.1
STD OREAS25A-4A	Standard	0.045	20.9	110	0.31	142	0.897	8.94	0.109	0.48	1.7	137.3	46	3.7	9.5	18.6	1.2	<1	10	32.0	<0.1
STD OREAS25A-4A	Standard	0.052	26.0	137	0.37	166	0.999	9.84	0.136	0.56	2.2	166.1	56	4.7	12.1	22.4	1.6	1	14	46.0	<0.1
STD OREAS45E	Standard	0.036	12.9	1015	0.18	272	0.541	7.05	0.062	0.35	1.0	101.7	27	1.5	9.0	6.9	0.6	<1	94	7.0	<0.1
STD OREAS45E	Standard	0.038	13.7	1022	0.17	275	0.538	6.98	0.057	0.36	1.3	107.4	27	1.5	9.3	7.0	0.6	<1	93	7.6	<0.1
STD OREAS45E	Standard	0.033	11.8	991	0.17	259	0.549	7.08	0.053	0.35	0.9	96.2	25	1.2	8.0	6.0	0.5	<1	99	6.9	<0.1
STD OREAS45E	Standard	0.034	12.0	1015	0.17	261	0.550	7.06	0.054	0.35	1.0	93.1	25	1.3	7.8	6.0	0.6	<1	93	7.6	<0.1
STD OREAS45E	Standard	0.035	12.5	1062	0.17	266	0.547	7.16	0.057	0.38	1.0	99.1	26	1.3	9.0	6.5	0.6	<1	96	6.5	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

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Client: **Centerra Gold**
1 University Avenue, Suite 1500
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Project: KSD
Report Date: November 12, 2014

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QUALITY CONTROL REPORT

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		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OREAS25A-4A	Standard	66.8	4.6	0.11	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	56.0	3.6	0.06	<0.005	1	<0.5	<0.5
STD OREAS25A-4A	Standard	54.4	3.5	0.09	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	68.5	4.8	0.09	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	24.0	3.2	0.11	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	25.6	3.2	0.18	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	21.5	3.0	0.08	<0.005	4	<0.5	<0.5
STD OREAS45E	Standard	21.1	2.9	0.17	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	22.9	3.2	0.09	<0.005	3	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXD108 Expected								
STD OXN117 Expected								
STD OXI121 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							

QUALITY CONTROL REPORT

WHI14000253.1

		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
Prep Wash																					
ROCK-WHI	Prep Blank	<0.005		0.5	6.2	4.8	42	<0.1	3.5	4.1	656	2.06	2	1.4	3.4	206	0.1	<0.1	0.1	35	1.58
ROCK-WHI	Prep Blank			0.6	7.5	6.0	50	<0.1	1.7	4.3	668	2.15	2	1.3	3.1	205	0.1	<0.1	<0.1	36	1.56
ROCK-WHI	Prep Blank	<0.005																			

QUALITY CONTROL REPORT

WHI14000253.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	0.043	14.1	4	0.53	870	0.221	7.36	3.573	1.92	0.4	58.0	25	0.9	18.3	6.2	0.5	1	5	3.6	<0.1
ROCK-WHI	Prep Blank	0.044	14.0	3	0.52	860	0.224	7.18	3.458	1.75	0.4	57.5	27	0.7	18.2	6.0	0.4	<1	6	3.2	<0.1
ROCK-WHI	Prep Blank																				

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Centerra Gold**
1 University Avenue, Suite 1500
Toronto ON M5J 2P1 CANADA

Project: KSD
Report Date: November 12, 2014

Page: 3 of 3

Part: 3 of 3

QUALITY CONTROL REPORT

WHI14000253.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-WHI	Prep Blank	42.5	2.0	0.12	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	40.6	1.9	<0.05	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank							

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Centerra Gold**
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Toronto ON M5J 2P1 CANADA

Submitted By: Jodie Gibson
Receiving Lab: Canada-Whitehorse
Received: November 10, 2014
Report Date: November 28, 2014
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI14000271.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD2014-11-04
P.O. Number
Number of Samples: 136

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Centerra Gold
1 University Avenue, Suite 1500
Toronto ON M5J 2P1
CANADA

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	132	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	136	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA200	136	4 Acid digestion ICP-MS analysis	0.25	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.

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1394726	Rock	2.42	<0.005	3.3	24.5	14.7	94	0.3	18.7	7.0	450	2.66	17	2.1	5.0	113	0.8	0.6	0.3	76	2.44
1394727	Rock	2.77	0.014	4.3	17.9	12.8	87	0.3	14.7	7.0	429	2.56	15	1.5	4.2	109	0.7	0.6	0.2	59	2.13
1394728	Rock	2.64	0.009	2.6	21.3	13.7	92	0.3	16.0	8.1	456	2.58	13	1.8	5.1	119	0.5	0.5	0.2	67	2.09
1394729	Rock	2.49	0.014	2.4	20.0	13.7	87	0.3	17.0	7.8	524	2.57	14	1.2	5.0	101	0.5	0.5	0.1	70	2.45
1394730	Rock	2.26	<0.005	1.9	16.8	11.9	98	0.3	19.4	4.6	530	2.24	15	1.2	5.3	89	0.5	0.4	0.1	61	2.46
1394731	Rock	2.56	<0.005	3.2	19.1	16.0	106	0.4	22.1	6.6	521	2.48	18	1.7	6.9	100	0.6	0.6	<0.1	60	2.22
1394732	Rock	3.11	0.006	2.3	19.5	10.8	99	0.2	19.4	6.3	514	2.24	10	1.6	6.5	83	0.6	0.4	0.1	59	2.21
1348876	Rock	2.19	0.022	0.7	39.7	35.6	198	0.8	13.9	14.4	748	5.12	13	0.7	3.7	43	0.4	0.9	0.1	131	0.15
1348877	Rock	4.25	0.021	0.2	63.7	27.2	274	1.2	10.4	12.4	637	4.54	11	0.7	3.1	37	0.8	0.9	0.1	121	0.16
1348878	Rock	2.95	0.024	1.2	70.1	23.8	293	1.0	21.6	27.9	1162	6.79	9	0.4	1.6	48	0.9	0.8	0.2	187	0.93
1348879	Rock	2.89	0.014	1.0	67.6	18.9	141	1.0	31.8	32.9	1394	7.03	8	0.1	0.5	49	0.4	0.7	0.2	273	2.38
1348880	Rock	3.37	0.011	0.4	95.4	14.4	129	1.0	41.4	38.5	1690	7.38	5	0.2	0.7	87	0.2	0.7	0.2	272	4.09
1348881	Rock Pulp	0.12	1.961	4.1	40.6	10.0	78	0.5	38.5	16.6	875	4.32	10	0.7	1.8	275	0.3	3.3	0.2	146	2.85
1348882	Rock	2.75	0.028	1.0	63.0	18.9	138	1.0	33.7	37.7	2127	7.13	7	0.3	0.9	102	0.6	0.8	0.2	234	4.52
1348883	Rock	1.89	0.021	0.9	73.2	17.0	239	1.0	24.0	46.6	2555	6.63	9	0.4	1.3	39	3.6	0.6	0.2	196	0.90
1348884	Rock	2.64	0.015	0.9	82.4	28.2	203	1.4	24.9	31.0	1565	6.24	6	0.2	1.2	51	1.2	0.6	0.3	188	1.99
1348885	Rock	2.84	0.017	0.7	27.1	40.2	315	0.5	8.9	16.8	1283	4.81	6	0.8	4.0	59	4.4	0.6	<0.1	103	1.33
1348886	Rock	2.47	0.019	0.8	33.2	35.8	234	0.5	12.3	11.0	497	4.39	9	0.9	4.3	40	1.2	0.6	<0.1	108	0.25
1348887	Rock	2.63	0.019	0.8	37.1	27.0	209	0.6	11.5	9.9	402	4.58	10	0.8	4.4	34	0.1	0.7	<0.1	108	0.10
1348888	Rock	2.85	0.026	0.6	42.0	70.7	226	0.5	7.4	9.2	315	4.79	7	0.7	1.6	31	0.2	0.6	<0.1	119	0.05
1348889	Rock	2.37	0.021	1.3	44.0	35.6	316	0.5	7.1	13.7	411	5.97	8	0.9	1.9	28	0.4	0.6	<0.1	133	0.07
1348890	Rock	2.56	0.015	3.6	60.6	54.0	302	0.7	11.0	12.0	365	5.63	8	1.2	2.5	23	0.7	1.4	<0.1	136	0.08
1348891	Rock	2.63	0.019	3.4	106.3	79.6	482	1.2	24.2	18.4	399	5.95	15	1.3	2.6	34	6.0	1.7	<0.1	211	0.31
1348892	Rock	2.83	0.041	0.9	51.7	61.1	421	1.1	11.1	16.0	512	5.52	10	0.9	2.2	41	4.1	1.2	<0.1	155	0.62
1348893	Rock	3.11	0.032	0.5	165.4	39.4	436	1.9	6.3	22.5	921	6.60	15	0.8	2.1	39	5.2	1.3	<0.1	139	0.92
1348894	Rock	2.72	0.021	1.0	78.8	152.2	549	1.2	6.8	19.2	704	7.24	9	1.1	2.6	43	5.9	1.0	<0.1	139	0.62
1348895	Rock	2.89	0.025	2.0	56.7	1596.7	681	4.0	5.6	6.6	248	5.91	5	1.2	2.8	81	2.7	1.4	<0.1	146	0.08
1348896	Rock	2.92	0.025	1.2	67.0	877.0	1511	2.9	22.8	22.3	1009	6.72	7	0.8	1.7	38	18.0	1.3	<0.1	158	1.02
1348897	Rock	2.98	0.015	1.0	42.0	417.6	750	1.6	7.5	21.2	1143	6.50	6	0.8	2.5	37	7.7	0.9	<0.1	130	1.23
1348898	Rock	2.95	0.020	1.3	46.6	106.9	502	1.3	16.8	25.0	1601	6.02	12	0.7	2.1	48	4.6	1.1	<0.1	162	2.09

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1394726	Rock	0.066	14.8	38	1.30	423	0.212	4.65	1.411	1.52	1.1	18.9	27	1.1	11.8	5.5	0.4	1	10	15.0	0.3
1394727	Rock	0.067	14.4	35	1.13	490	0.201	4.67	1.704	1.30	1.2	27.4	30	1.1	10.1	4.5	0.3	2	10	11.9	0.3
1394728	Rock	0.075	16.9	29	1.16	737	0.188	5.03	1.931	1.64	1.5	30.1	34	1.2	10.4	4.8	0.3	<1	11	12.0	0.2
1394729	Rock	0.069	16.2	30	1.20	843	0.185	4.68	1.516	1.46	1.2	24.8	30	1.3	10.0	4.4	0.3	<1	10	11.3	0.2
1394730	Rock	0.069	17.5	24	0.97	1855	0.133	4.33	0.939	1.71	1.1	24.9	33	1.1	8.1	3.1	0.2	1	8	11.5	0.1
1394731	Rock	0.072	25.0	26	1.15	1073	0.149	4.51	0.847	1.64	1.3	34.2	45	1.3	10.7	4.0	0.2	<1	8	13.1	0.3
1394732	Rock	0.070	24.4	27	1.02	1796	0.113	4.36	0.840	1.72	1.3	25.7	46	1.1	8.4	3.1	0.2	2	7	10.2	<0.1
1348876	Rock	0.064	10.5	27	2.43	3881	0.090	6.44	0.902	2.19	1.3	34.1	24	1.3	5.4	1.0	<0.1	1	18	25.8	<0.1
1348877	Rock	0.081	9.4	21	2.00	3385	0.076	6.20	0.862	2.46	1.6	40.8	22	1.6	4.5	0.6	<0.1	2	16	20.8	0.1
1348878	Rock	0.075	5.4	49	4.14	975	0.085	7.78	1.415	1.70	1.1	27.7	15	1.1	4.3	0.5	<0.1	<1	22	42.4	0.4
1348879	Rock	0.048	3.1	35	4.00	315	0.083	7.34	0.747	1.91	0.9	8.4	8	0.7	4.6	0.2	<0.1	<1	24	37.0	1.0
1348880	Rock	0.042	4.0	52	4.57	563	0.065	8.50	1.470	1.29	0.8	7.6	10	0.5	5.8	0.2	<0.1	<1	33	41.3	0.9
1348881	Rock Pulp	0.072	9.7	63	1.53	527	0.411	6.86	2.526	1.06	27.1	34.8	20	1.2	14.8	4.4	0.3	<1	17	16.6	<0.1
1348882	Rock	0.050	4.9	43	3.88	315	0.063	7.47	1.345	1.29	1.2	11.6	14	0.7	8.4	0.2	<0.1	<1	31	34.7	1.6
1348883	Rock	0.067	3.7	24	3.80	446	0.071	7.33	1.342	1.64	0.7	31.5	10	1.0	7.5	0.4	<0.1	1	19	36.0	0.6
1348884	Rock	0.055	4.0	37	3.95	223	0.066	6.99	1.148	1.36	0.9	17.5	11	0.7	5.1	0.3	<0.1	<1	21	38.9	0.9
1348885	Rock	0.083	12.9	11	3.02	322	0.083	7.15	1.050	1.84	1.1	50.9	30	1.3	8.0	0.6	<0.1	2	16	28.7	0.5
1348886	Rock	0.082	14.2	32	2.04	744	0.074	6.50	0.574	2.47	0.8	46.7	32	1.4	5.5	0.6	<0.1	2	16	25.6	0.3
1348887	Rock	0.073	12.2	34	1.84	427	0.067	5.80	0.282	1.94	1.1	39.1	27	0.9	3.8	0.5	<0.1	<1	17	21.7	0.3
1348888	Rock	0.070	3.4	11	2.41	475	0.071	6.25	0.863	1.70	0.9	36.6	10	0.9	1.9	0.5	<0.1	2	16	29.1	0.3
1348889	Rock	0.091	5.2	10	3.13	288	0.084	6.91	1.391	1.62	0.8	47.1	14	1.1	2.6	0.6	<0.1	1	18	32.4	0.5
1348890	Rock	0.087	7.0	20	2.77	205	0.082	6.71	1.555	1.59	1.0	46.1	17	0.9	3.2	0.5	<0.1	2	18	33.7	0.7
1348891	Rock	0.075	7.6	44	2.44	98	0.086	6.69	1.437	2.02	1.1	49.2	19	0.9	4.1	0.5	<0.1	1	21	37.7	1.9
1348892	Rock	0.081	7.8	18	1.91	31	0.089	6.02	1.482	2.10	1.8	39.3	21	0.8	5.0	0.4	<0.1	<1	18	24.8	2.9
1348893	Rock	0.086	7.1	7	2.22	43	0.080	6.35	1.397	1.98	2.0	29.2	20	0.8	5.9	0.3	<0.1	<1	19	31.0	3.9
1348894	Rock	0.094	8.1	10	1.97	35	0.086	6.88	1.441	2.41	1.4	43.0	22	1.0	6.3	0.5	<0.1	1	22	33.2	4.4
1348895	Rock	0.076	9.4	12	1.86	70	0.104	6.91	1.713	2.21	1.1	49.7	25	1.3	3.2	0.6	<0.1	1	21	26.1	1.9
1348896	Rock	0.076	6.0	27	2.99	47	0.088	6.67	1.116	2.00	1.4	35.8	16	0.9	4.3	0.4	<0.1	<1	21	32.6	3.9
1348897	Rock	0.092	8.4	8	2.49	26	0.080	6.26	1.443	1.83	1.6	34.0	22	0.8	5.5	0.4	<0.1	1	18	27.4	4.1
1348898	Rock	0.066	7.8	21	3.02	71	0.078	6.58	0.963	1.90	0.7	31.2	19	0.8	5.6	0.4	<0.1	<1	21	28.4	3.1

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Project: KSD
Report Date: November 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1394726	Rock	41.5	0.5	0.05	0.009	1	1.2	<0.5
1394727	Rock	37.0	0.8	0.05	<0.005	<1	0.7	<0.5
1394728	Rock	47.1	1.3	0.06	<0.005	<1	<0.5	<0.5
1394729	Rock	49.3	0.8	<0.05	<0.005	<1	0.7	<0.5
1394730	Rock	50.5	0.7	<0.05	<0.005	1	<0.5	<0.5
1394731	Rock	57.5	0.8	<0.05	<0.005	<1	0.7	0.5
1394732	Rock	57.0	0.9	<0.05	<0.005	<1	<0.5	<0.5
1348876	Rock	50.6	1.0	0.12	<0.005	<1	<0.5	<0.5
1348877	Rock	65.9	1.2	0.05	<0.005	<1	<0.5	0.5
1348878	Rock	20.1	0.8	0.09	<0.005	<1	<0.5	<0.5
1348879	Rock	18.7	0.3	0.06	<0.005	<1	0.6	<0.5
1348880	Rock	21.8	0.2	<0.05	<0.005	<1	0.9	<0.5
1348881	Rock Pulp	19.9	1.2	<0.05	<0.005	<1	0.6	<0.5
1348882	Rock	23.0	0.4	0.10	<0.005	2	1.7	<0.5
1348883	Rock	18.6	0.9	0.10	<0.005	<1	<0.5	<0.5
1348884	Rock	18.0	0.5	0.07	<0.005	<1	<0.5	<0.5
1348885	Rock	57.5	1.5	0.12	<0.005	<1	0.8	<0.5
1348886	Rock	69.7	1.3	0.06	<0.005	<1	<0.5	0.6
1348887	Rock	60.8	1.2	<0.05	<0.005	<1	<0.5	<0.5
1348888	Rock	33.1	1.0	0.07	<0.005	<1	<0.5	<0.5
1348889	Rock	35.5	1.2	0.08	<0.005	<1	<0.5	<0.5
1348890	Rock	43.7	1.4	0.06	<0.005	<1	<0.5	0.5
1348891	Rock	50.6	1.3	0.06	<0.005	<1	<0.5	0.7
1348892	Rock	64.7	1.2	0.05	<0.005	1	<0.5	0.7
1348893	Rock	62.2	0.8	0.06	<0.005	1	<0.5	0.6
1348894	Rock	81.2	1.3	0.07	<0.005	<1	<0.5	0.9
1348895	Rock	77.1	1.4	0.11	<0.005	4	<0.5	0.8
1348896	Rock	56.9	1.1	0.08	<0.005	2	<0.5	0.8
1348897	Rock	60.2	1.0	0.14	<0.005	2	<0.5	0.7
1348898	Rock	65.8	0.8	0.08	<0.005	1	<0.5	0.7

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Unit	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
MDL		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1348899	Rock	3.14	0.025	1.6	54.4	152.2	579	1.5	12.0	18.8	1521	5.40	20	0.6	3.0	54	5.4	1.3	<0.1	106	2.15
1348900	Rock	1.92	0.031	1.7	47.9	190.5	346	1.6	10.3	12.3	1186	4.54	9	0.8	3.1	51	4.5	1.2	<0.1	89	1.68
1348901	Rock	0.94	<0.005	<0.1	2.7	2.5	20	<0.1	3.6	1.0	258	0.54	<1	1.3	0.1	54	0.1	<0.1	<0.1	2	21.79
1348902	Rock	2.67	0.033	1.4	66.6	182.6	411	1.8	26.1	24.0	1695	5.83	10	0.8	1.9	54	4.3	1.2	0.3	179	1.85
1348903	Rock	2.07	0.018	0.8	57.5	96.8	558	2.0	13.3	15.1	1084	5.13	9	1.2	1.9	69	4.3	1.0	0.2	157	0.66
1348904	Rock	2.17	0.027	1.3	63.7	82.8	339	3.7	9.9	17.9	1135	5.93	11	1.0	2.1	77	2.0	1.4	0.2	196	0.98
1348905	Rock	3.09	0.011	4.9	17.2	97.8	188	1.8	7.0	15.4	1240	5.40	7	0.9	2.2	49	1.7	0.7	0.4	150	1.55
1348906	Rock	2.88	0.016	0.9	14.2	29.9	153	1.1	5.4	19.3	1514	5.85	5	1.0	2.3	61	1.7	0.8	0.1	147	2.21
1348907	Rock	2.76	0.015	0.8	22.9	36.0	200	1.7	4.4	14.9	1135	5.50	6	0.8	1.7	95	1.2	0.9	0.2	140	1.87
1335551	Rock	0.93	0.065	1.5	117.9	29.3	245	1.6	37.8	32.0	1290	6.98	15	0.5	1.1	32	2.1	0.8	0.5	222	0.49
1335552	Rock	2.80	0.017	1.3	57.5	15.0	112	1.0	34.1	38.4	1843	7.16	14	0.4	0.7	79	0.6	0.8	0.2	249	5.69
1335553	Rock	3.30	0.028	1.1	89.6	14.1	100	1.2	35.1	38.6	1916	6.56	17	0.2	0.5	103	0.7	0.9	0.2	231	6.66
1335554	Rock	2.75	0.084	0.6	111.7	12.6	127	1.2	33.8	38.0	1793	6.35	21	0.2	0.5	63	0.9	0.9	0.2	237	5.42
1335555	Rock	2.46	0.035	0.6	96.7	12.2	171	1.1	36.2	43.5	1735	6.56	7	0.3	1.1	56	1.9	0.4	0.2	211	4.38
1335556	Rock	2.63	0.038	1.3	75.7	14.6	295	1.1	41.6	43.7	1659	6.72	15	0.6	1.9	43	3.0	0.5	0.6	176	1.61
1335557	Rock	3.08	0.030	1.4	66.7	14.7	269	1.2	66.9	38.5	2043	7.03	13	0.4	1.7	46	2.6	0.5	0.6	199	3.01
1335558	Rock	2.57	0.013	1.9	65.9	11.5	145	1.2	43.3	28.8	1163	5.65	12	0.3	1.5	31	1.2	0.5	0.7	168	1.74
1335559	Rock	2.56	0.014	2.6	50.7	14.0	205	1.0	83.5	30.9	1768	6.44	12	0.3	1.5	62	2.1	0.4	0.6	187	4.71
1335560	Rock	2.80	0.025	0.9	55.7	17.2	157	0.8	52.9	29.8	1511	6.10	15	0.5	2.2	70	1.0	0.7	0.3	164	4.53
1335561	Rock Pulp	0.15	2.070	3.7	41.3	9.7	76	0.5	41.4	16.5	868	4.43	12	0.7	1.9	290	0.2	2.9	0.2	148	2.92
1335562	Rock	2.37	0.517	2.4	59.8	13.0	212	0.5	24.7	26.4	964	6.11	15	0.9	3.7	39	1.1	0.7	0.2	178	1.84
1335563	Rock	2.60	0.021	0.3	72.4	18.8	146	0.6	20.8	34.0	1271	6.37	9	0.2	1.1	54	1.2	0.4	<0.1	229	3.23
1335564	Rock	2.49	0.011	0.7	48.3	13.0	218	0.4	9.5	17.0	653	6.03	7	0.4	1.0	28	0.6	0.6	<0.1	201	0.21
1335565	Rock	2.76	0.027	0.3	61.2	17.7	106	0.5	11.6	20.5	993	5.21	14	0.6	2.6	55	0.5	0.5	0.2	142	1.76
1335566	Rock	2.91	0.015	0.5	79.8	19.5	136	0.7	27.6	34.9	1604	6.28	8	0.4	1.7	72	0.6	0.5	<0.1	201	3.15
1335567	Rock	1.99	0.011	0.5	47.8	14.2	266	0.5	8.9	18.6	704	5.76	6	0.5	1.2	32	1.3	0.5	<0.1	147	0.30
1335568	Rock	2.14	0.085	0.6	31.4	19.0	281	0.3	5.3	16.7	668	4.87	5	0.7	2.4	33	1.6	0.4	<0.1	77	0.26
1335569	Rock	2.26	0.013	0.9	40.7	21.3	270	0.5	6.5	16.8	734	5.62	7	0.7	2.3	35	1.3	0.5	<0.1	116	0.54
1335570	Rock	2.99	0.018	1.0	44.5	25.4	294	0.8	6.7	21.6	1306	5.31	7	0.6	2.3	48	3.1	0.4	<0.1	123	1.39
1335571	Rock	2.81	0.013	1.5	57.0	25.5	379	0.4	8.8	21.0	565	5.83	6	1.1	2.0	43	1.3	0.5	<0.1	114	0.31

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1348899	Rock	0.078	9.3	19	1.93	46	0.069	6.13	0.873	2.18	1.2	38.0	23	1.0	7.5	0.5	<0.1	<1	17	17.8	3.5
1348900	Rock	0.082	9.6	21	1.98	47	0.084	5.55	0.854	1.79	0.9	35.9	23	0.8	5.6	0.6	<0.1	<1	16	19.7	2.9
1348901	Rock	0.020	1.0	1	13.10	29	0.004	0.11	0.008	0.05	<0.1	0.4	2	<0.1	1.2	0.3	<0.1	<1	<1	1.5	<0.1
1348902	Rock	0.063	8.0	31	3.19	45	0.079	6.71	0.757	2.04	1.1	31.0	17	0.7	5.2	0.4	<0.1	2	23	32.7	2.8
1348903	Rock	0.068	4.4	15	3.21	108	0.097	6.95	0.829	2.22	0.8	57.0	14	1.1	4.3	0.7	<0.1	1	18	30.3	1.4
1348904	Rock	0.067	5.2	13	3.47	176	0.120	7.87	0.523	2.62	1.0	54.8	16	1.0	4.6	0.6	<0.1	2	22	29.6	2.1
1348905	Rock	0.086	3.9	9	3.52	90	0.120	7.30	1.652	1.97	0.8	44.8	14	1.7	4.7	0.9	<0.1	<1	17	22.3	3.5
1348906	Rock	0.088	5.3	10	3.85	95	0.136	7.70	1.737	1.71	1.0	43.4	18	1.1	5.6	1.1	<0.1	<1	18	25.7	3.7
1348907	Rock	0.097	2.9	9	3.51	133	0.131	7.40	1.258	2.06	1.0	45.0	10	1.3	5.4	1.0	<0.1	2	18	26.3	3.5
1335551	Rock	0.050	2.9	57	3.24	1076	0.066	6.63	1.648	1.39	1.0	19.0	8	0.9	4.8	0.3	<0.1	1	26	30.2	0.3
1335552	Rock	0.035	4.9	50	4.26	917	0.064	7.38	1.364	0.87	1.4	5.3	12	0.2	7.4	0.2	<0.1	1	39	30.0	1.6
1335553	Rock	0.027	5.0	53	3.80	366	0.060	7.02	1.238	0.97	1.6	3.5	11	0.3	7.2	<0.1	<0.1	1	37	27.0	1.6
1335554	Rock	0.030	3.6	48	3.24	623	0.059	6.84	1.244	1.31	1.2	3.6	8	0.3	6.5	0.1	<0.1	<1	36	26.8	0.9
1335555	Rock	0.045	4.5	52	3.35	915	0.064	6.87	1.312	0.96	1.2	9.4	11	0.4	9.2	0.2	<0.1	1	33	27.5	0.4
1335556	Rock	0.074	6.6	71	2.62	380	0.062	7.58	1.656	1.76	1.2	21.4	17	0.7	9.4	0.3	<0.1	1	27	25.8	0.5
1335557	Rock	0.049	5.9	114	3.59	201	0.063	7.42	1.171	1.59	1.0	24.2	15	1.0	8.3	0.2	<0.1	<1	26	29.4	1.0
1335558	Rock	0.054	4.9	96	2.72	84	0.061	6.46	0.931	1.75	0.8	17.7	12	0.7	6.5	0.3	<0.1	<1	26	21.3	1.2
1335559	Rock	0.047	6.1	143	3.60	323	0.054	7.01	1.156	1.06	0.9	15.3	15	0.7	8.3	0.2	<0.1	<1	28	30.8	1.3
1335560	Rock	0.054	7.2	91	3.21	232	0.069	7.22	1.275	1.46	1.2	26.8	19	0.9	7.8	0.5	<0.1	<1	26	29.0	1.4
1335561	Rock Pulp	0.071	9.2	63	1.57	565	0.416	6.98	2.562	1.06	24.4	28.6	20	1.1	14.0	4.3	0.3	<1	17	17.2	<0.1
1335562	Rock	0.062	11.8	37	2.40	694	0.074	7.68	1.101	1.94	1.3	36.8	26	1.2	7.2	0.6	<0.1	<1	25	24.7	0.4
1335563	Rock	0.050	4.4	20	3.10	820	0.054	7.79	1.912	1.19	0.7	9.2	11	0.5	6.1	0.2	<0.1	<1	26	30.0	0.5
1335564	Rock	0.074	2.3	13	3.38	1683	0.077	7.03	1.808	1.54	0.6	25.9	6	0.8	2.4	0.4	<0.1	1	18	32.9	<0.1
1335565	Rock	0.073	8.6	15	2.26	78	0.085	7.60	2.610	1.51	0.7	21.7	21	1.0	7.6	0.5	<0.1	<1	18	22.5	1.2
1335566	Rock	0.041	6.2	29	4.35	465	0.057	8.13	2.273	0.83	0.7	31.1	14	0.4	5.7	0.2	<0.1	<1	29	31.2	1.1
1335567	Rock	0.089	3.8	10	3.19	1263	0.065	6.60	1.328	1.51	0.6	20.0	10	0.7	3.7	0.3	<0.1	2	16	32.3	0.3
1335568	Rock	0.101	7.4	5	2.75	1664	0.067	6.48	1.426	1.69	0.5	32.2	20	1.0	5.3	0.3	<0.1	1	14	28.8	0.2
1335569	Rock	0.094	8.1	7	3.04	427	0.076	6.88	1.368	1.73	0.7	30.5	19	0.9	5.4	0.4	<0.1	1	17	30.6	0.5
1335570	Rock	0.083	8.6	7	2.99	262	0.068	6.80	1.333	1.53	0.8	26.8	20	0.8	8.1	0.4	<0.1	<1	17	26.1	0.6
1335571	Rock	0.104	5.9	8	2.95	1325	0.078	7.39	1.682	1.60	0.7	22.6	18	0.7	6.1	0.4	<0.1	1	16	44.2	0.2

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Project: KSD
Report Date: November 28, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1348899	Rock	66.9	1.0	0.06	<0.005	2	<0.5	0.8
1348900	Rock	62.5	1.1	0.06	<0.005	1	<0.5	0.7
1348901	Rock	1.4	<0.1	<0.05	<0.005	<1	5.4	<0.5
1348902	Rock	61.3	0.8	<0.05	<0.005	<1	<0.5	0.7
1348903	Rock	47.9	1.7	0.10	<0.005	1	<0.5	0.7
1348904	Rock	52.0	1.7	0.10	<0.005	<1	<0.5	0.7
1348905	Rock	65.0	1.2	<0.05	0.015	2	0.5	0.6
1348906	Rock	51.6	1.2	<0.05	<0.005	<1	<0.5	<0.5
1348907	Rock	50.4	1.3	0.07	<0.005	<1	0.9	0.5
1335551	Rock	22.9	0.6	0.13	<0.005	2	<0.5	<0.5
1335552	Rock	33.8	0.2	<0.05	<0.005	1	<0.5	<0.5
1335553	Rock	36.5	0.1	0.05	<0.005	<1	2.4	<0.5
1335554	Rock	37.4	0.1	0.07	<0.005	<1	1.0	<0.5
1335555	Rock	28.2	0.2	0.14	<0.005	1	2.1	<0.5
1335556	Rock	50.1	0.5	<0.05	<0.005	1	0.8	<0.5
1335557	Rock	35.9	0.7	0.11	<0.005	2	0.7	<0.5
1335558	Rock	49.9	0.5	0.08	<0.005	2	<0.5	<0.5
1335559	Rock	36.7	0.5	0.13	<0.005	<1	2.1	<0.5
1335560	Rock	39.9	0.8	0.08	<0.005	<1	0.7	<0.5
1335561	Rock Pulp	20.7	1.2	0.06	<0.005	<1	0.7	<0.5
1335562	Rock	68.4	1.0	<0.05	<0.005	<1	<0.5	<0.5
1335563	Rock	18.3	0.2	<0.05	<0.005	1	<0.5	<0.5
1335564	Rock	18.9	0.7	<0.05	<0.005	<1	0.6	<0.5
1335565	Rock	45.2	0.6	0.08	<0.005	1	<0.5	<0.5
1335566	Rock	25.9	0.3	0.05	<0.005	<1	1.9	<0.5
1335567	Rock	22.2	0.5	<0.05	<0.005	<1	<0.5	<0.5
1335568	Rock	37.6	0.8	<0.05	<0.005	<1	<0.5	<0.5
1335569	Rock	37.3	0.9	0.09	<0.005	<1	<0.5	<0.5
1335570	Rock	35.9	0.7	0.08	<0.005	<1	<0.5	<0.5
1335571	Rock	37.7	0.8	0.09	<0.005	<1	<0.5	<0.5

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1335572	Rock	2.89	0.619	1.0	54.7	29.6	336	0.5	13.7	17.7	549	5.53	12	1.1	3.6	55	1.3	0.7	<0.1	143	0.26
1335573	Rock	2.34	0.020	0.7	55.4	26.3	341	0.6	8.4	10.9	530	5.80	10	1.6	4.1	104	0.5	0.7	<0.1	97	0.20
1335574	Rock	1.94	0.010	0.6	53.0	21.1	271	0.4	4.0	6.3	460	4.97	6	1.3	1.7	96	1.3	0.6	<0.1	73	0.16
1335575	Rock	1.46	0.008	0.6	56.3	21.3	275	0.4	5.1	6.2	502	5.17	7	1.4	2.1	114	1.2	0.6	<0.1	74	0.15
1335576	Rock	2.01	0.008	0.9	43.8	39.2	219	0.3	2.6	3.2	477	5.31	5	1.1	1.9	99	1.0	1.1	<0.1	60	0.10
1335577	Rock	2.46	0.008	2.0	81.2	204.9	389	0.6	3.9	3.8	611	5.43	6	1.3	1.6	120	1.6	1.9	<0.1	70	0.12
1335578	Rock	1.75	0.021	5.5	130.3	1069.4	1013	3.0	3.0	4.7	733	7.09	9	4.3	4.9	139	3.8	15.4	0.2	72	0.21
1335579	Rock	2.03	0.019	1.1	79.1	224.6	392	0.8	5.0	6.9	550	5.60	9	1.8	2.5	97	1.3	1.8	<0.1	36	0.18
1335580	Rock	1.42	0.008	1.4	42.9	202.7	489	0.8	5.9	14.2	901	4.79	6	1.1	2.1	85	4.1	1.3	0.3	82	0.77
1335581	Rock	1.31	<0.005	<0.1	2.0	2.3	16	<0.1	2.0	0.6	244	0.52	<1	0.7	<0.1	55	<0.1	<0.1	<0.1	1	21.40
1335582	Rock	1.04	0.011	1.6	42.5	147.2	279	1.0	9.4	17.1	1258	4.85	6	1.0	2.5	119	2.4	1.5	0.2	104	2.40
1335583	Rock	1.18	0.008	1.8	31.8	102.2	205	0.6	6.9	11.9	756	4.46	8	1.5	3.5	143	1.6	1.2	0.2	78	2.19
1335601	Rock Pulp	0.12	2.141	3.7	36.2	9.9	72	0.3	35.9	15.6	790	4.08	10	0.6	1.9	296	0.2	3.1	0.2	135	2.70
1335602	Rock	1.93	0.018	1.5	130.4	425.9	782	0.7	9.8	5.4	1003	6.17	10	1.4	2.0	43	0.4	1.4	0.1	182	0.12
1335603	Rock	2.60	0.015	1.9	289.5	1113.7	1057	1.1	9.3	5.6	1055	7.36	13	2.1	2.0	55	0.6	1.8	<0.1	158	0.12
1335604	Rock	2.77	0.021	3.4	381.3	1820.1	1345	1.5	10.9	5.5	1166	8.11	11	2.1	1.8	46	0.5	2.2	<0.1	176	0.11
1335605	Rock	2.07	0.018	4.4	485.4	1564.3	1178	1.3	14.5	7.2	1170	9.55	14	2.5	1.9	50	0.5	2.2	<0.1	219	0.11
1335606	Rock	2.77	0.017	2.5	248.6	1750.0	1340	2.1	7.0	2.3	1312	7.83	9	1.6	1.7	44	0.4	2.1	<0.1	227	0.07
1335607	Rock	2.87	0.016	1.2	226.7	1786.8	1444	2.1	7.2	2.2	1354	7.59	9	2.4	3.3	72	0.7	1.6	0.1	251	0.09
1335608	Rock	3.40	0.074	1.3	126.3	578.6	640	1.2	8.2	2.0	590	5.03	17	1.9	3.6	143	0.6	1.6	0.1	152	0.09
1335609	Rock	1.96	0.069	1.0	33.2	117.5	206	0.8	5.0	3.5	271	3.75	15	1.3	4.2	201	0.3	1.1	0.3	100	0.07
1335610	Rock	2.89	0.029	0.9	23.9	45.6	127	0.4	5.8	4.1	257	3.86	12	1.5	4.8	144	0.3	0.9	0.4	109	0.12
1335611	Rock	2.31	0.016	0.8	53.2	36.9	168	0.6	43.1	26.9	1357	5.96	10	0.6	1.4	114	0.7	1.6	0.2	215	3.60
1335612	Rock	1.91	0.010	0.5	59.5	16.1	100	0.5	63.7	32.9	1276	5.95	7	0.4	1.0	133	0.3	2.1	0.1	261	5.31
1335613	Rock	2.01	0.027	0.3	52.4	21.4	90	0.4	67.1	28.2	1140	5.38	5	0.4	0.9	207	0.2	2.1	<0.1	245	6.20
1335614	Rock	1.76	0.014	0.2	80.6	24.6	107	0.6	69.1	31.2	1148	5.23	13	0.3	0.7	197	0.4	1.9	<0.1	239	6.12
1335615	Rock	1.47	0.009	2.6	50.4	18.2	92	0.5	44.0	22.9	941	5.19	8	0.7	2.2	102	0.3	1.1	0.3	180	4.09
1335616	Rock	2.47	0.013	1.1	46.9	14.7	87	0.6	49.5	25.8	1117	5.11	8	0.9	1.8	119	0.3	1.4	0.3	189	5.19
1335617	Rock	2.26	0.010	0.3	53.5	13.8	87	0.4	75.8	33.7	1175	5.69	5	0.4	0.8	163	0.3	1.6	<0.1	262	5.47
1335618	Rock	2.18	0.039	1.0	63.3	15.6	201	0.7	44.5	30.0	1429	5.99	10	0.6	1.5	117	1.8	1.5	0.2	216	5.24

CERTIFICATE OF ANALYSIS

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1335572	Rock	0.080	10.1	27	2.00	1827	0.079	6.74	0.443	2.26	0.9	27.4	23	0.9	6.8	0.5	<0.1	2	19	30.4	0.2
1335573	Rock	0.110	12.2	20	2.17	1976	0.085	6.93	0.892	2.35	1.1	31.7	26	1.1	5.9	0.5	<0.1	1	18	25.8	0.3
1335574	Rock	0.079	6.7	6	2.01	882	0.057	5.25	0.516	1.57	1.1	20.7	15	0.7	3.6	0.2	<0.1	<1	16	27.2	0.2
1335575	Rock	0.079	7.6	7	2.10	894	0.067	5.76	0.488	1.50	1.2	21.5	18	0.8	3.9	0.2	<0.1	1	17	29.4	0.2
1335576	Rock	0.061	6.2	4	2.83	198	0.135	6.92	0.456	2.18	1.3	44.1	16	1.2	2.8	0.7	<0.1	2	19	29.5	0.9
1335577	Rock	0.068	4.5	8	3.12	173	0.103	6.49	0.944	1.49	0.9	58.9	11	1.0	2.7	0.5	<0.1	<1	19	35.3	1.0
1335578	Rock	0.110	11.7	4	5.75	1346	0.128	9.69	0.580	1.47	1.0	207.9	30	1.4	7.1	0.8	<0.1	1	26	52.0	1.4
1335579	Rock	0.108	7.0	4	2.66	118	0.086	6.42	1.940	1.36	0.8	39.8	19	1.0	4.4	0.5	<0.1	1	16	32.4	1.2
1335580	Rock	0.068	7.7	11	2.81	70	0.076	6.28	1.673	1.16	0.5	33.1	18	0.9	5.3	0.4	<0.1	<1	15	22.8	1.1
1335581	Rock	0.019	1.1	2	12.85	54	0.003	0.06	0.005	0.02	<0.1	0.3	2	<0.1	1.0	0.2	<0.1	<1	<1	0.7	<0.1
1335582	Rock	0.065	8.4	18	2.80	81	0.111	6.65	1.469	1.06	0.5	29.7	21	0.8	8.3	0.9	<0.1	<1	17	20.7	1.2
1335583	Rock	0.072	12.7	15	2.17	119	0.281	6.16	1.548	1.12	0.7	18.2	27	0.9	12.7	3.9	0.2	<1	17	15.7	0.8
1335601	Rock Pulp	0.071	8.2	52	1.45	514	0.401	6.36	2.356	0.91	25.4	29.1	18	1.0	15.3	4.1	0.3	<1	16	17.6	<0.1
1335602	Rock	0.064	3.9	23	3.27	1491	0.108	6.43	1.745	1.28	0.9	67.4	11	1.0	2.4	0.7	<0.1	1	18	25.1	0.1
1335603	Rock	0.115	3.5	12	3.29	1184	0.089	6.69	1.580	0.82	1.0	83.1	9	0.8	2.4	0.3	<0.1	<1	20	25.2	0.2
1335604	Rock	0.118	2.2	13	3.48	1219	0.094	6.61	1.671	0.82	0.7	91.5	5	0.7	1.6	0.3	<0.1	<1	20	25.5	0.2
1335605	Rock	0.122	2.7	12	3.21	1541	0.083	7.08	1.319	1.13	1.2	94.4	7	0.7	2.4	0.2	<0.1	<1	25	24.1	0.1
1335606	Rock	0.076	4.7	8	3.91	1340	0.111	7.15	1.558	1.12	2.1	82.4	13	0.7	1.9	0.3	<0.1	<1	24	22.7	0.3
1335607	Rock	0.082	11.5	10	4.27	1267	0.132	8.31	1.395	1.33	1.1	77.4	26	0.7	3.4	0.5	<0.1	<1	28	27.3	0.4
1335608	Rock	0.082	8.6	30	2.31	392	0.104	5.53	1.148	1.70	1.3	68.4	21	1.1	3.6	0.8	<0.1	1	16	18.3	0.2
1335609	Rock	0.051	8.5	20	1.07	242	0.097	5.00	1.040	2.08	1.0	56.5	23	1.3	3.4	1.1	<0.1	<1	13	9.6	0.3
1335610	Rock	0.062	12.3	14	1.52	362	0.112	6.16	1.804	2.00	0.8	51.8	31	1.6	5.9	1.3	<0.1	<1	14	12.3	0.3
1335611	Rock	0.050	5.8	89	3.35	674	0.225	7.35	1.226	1.26	1.7	15.8	14	0.8	8.7	0.7	<0.1	<1	26	19.8	0.4
1335612	Rock	0.042	6.0	124	4.10	776	0.405	8.40	1.516	0.97	3.7	3.5	15	0.8	11.8	1.1	<0.1	<1	30	22.1	0.5
1335613	Rock	0.041	5.2	132	3.89	923	0.363	8.28	1.738	0.78	3.3	4.9	12	0.6	10.9	0.9	<0.1	<1	30	20.8	0.3
1335614	Rock	0.038	5.1	138	3.76	654	0.345	7.84	1.802	0.63	1.7	2.9	11	0.6	12.6	0.9	<0.1	<1	30	19.7	0.5
1335615	Rock	0.031	6.8	90	3.30	155	0.290	6.85	0.869	1.52	2.3	19.5	15	1.5	9.9	2.0	0.1	<1	22	16.9	1.2
1335616	Rock	0.033	7.8	93	3.45	300	0.307	7.09	0.804	1.48	1.7	15.6	17	1.2	11.1	1.6	0.1	<1	24	17.2	1.2
1335617	Rock	0.042	5.4	151	4.41	910	0.351	8.47	1.885	0.97	0.7	2.6	12	0.5	12.2	0.9	<0.1	<1	31	24.7	0.4
1335618	Rock	0.044	6.7	102	4.07	316	0.231	8.09	1.146	1.50	4.0	11.6	15	1.0	8.5	1.1	<0.1	<1	26	20.0	1.6

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Project: KSD
Report Date: November 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1335572	Rock	63.2	0.7	0.07	<0.005	<1	<0.5	<0.5
1335573	Rock	71.2	1.0	0.11	<0.005	<1	<0.5	<0.5
1335574	Rock	35.2	0.6	0.08	<0.005	<1	0.7	<0.5
1335575	Rock	43.5	0.6	<0.05	<0.005	<1	0.5	<0.5
1335576	Rock	42.6	1.3	0.10	<0.005	1	<0.5	<0.5
1335577	Rock	23.0	1.6	0.08	<0.005	2	<0.5	<0.5
1335578	Rock	57.4	4.4	0.07	<0.005	7	<0.5	<0.5
1335579	Rock	37.4	1.0	0.08	<0.005	<1	<0.5	<0.5
1335580	Rock	34.8	0.9	0.07	<0.005	3	<0.5	<0.5
1335581	Rock	1.5	<0.1	<0.05	<0.005	<1	6.4	<0.5
1335582	Rock	39.8	0.8	0.05	<0.005	2	0.5	<0.5
1335583	Rock	33.6	0.5	0.09	<0.005	<1	<0.5	<0.5
1335601	Rock Pulp	26.8	1.1	<0.05	<0.005	<1	<0.5	<0.5
1335602	Rock	19.9	1.7	0.06	<0.005	1	<0.5	<0.5
1335603	Rock	12.0	2.0	0.09	<0.005	1	0.7	<0.5
1335604	Rock	7.6	2.1	0.08	<0.005	2	<0.5	<0.5
1335605	Rock	13.0	2.0	0.11	<0.005	2	<0.5	<0.5
1335606	Rock	16.6	2.2	0.05	<0.005	3	<0.5	<0.5
1335607	Rock	61.3	2.6	0.09	<0.005	<1	<0.5	<0.5
1335608	Rock	54.4	1.9	<0.05	<0.005	2	<0.5	<0.5
1335609	Rock	100.6	1.5	<0.05	<0.005	2	<0.5	<0.5
1335610	Rock	94.0	1.5	0.05	<0.005	1	<0.5	<0.5
1335611	Rock	31.7	0.5	0.10	<0.005	1	1.2	<0.5
1335612	Rock	30.4	<0.1	0.09	<0.005	<1	2.1	<0.5
1335613	Rock	33.2	<0.1	0.05	<0.005	<1	1.2	<0.5
1335614	Rock	26.4	0.1	0.07	<0.005	<1	2.2	<0.5
1335615	Rock	43.7	0.6	0.11	<0.005	2	2.3	<0.5
1335616	Rock	53.6	0.5	0.05	<0.005	1	1.5	<0.5
1335617	Rock	34.6	<0.1	0.07	<0.005	<1	1.0	<0.5
1335618	Rock	43.4	0.4	0.07	<0.005	1	1.2	<0.5

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1335619	Rock	1.99	0.020	0.3	70.3	16.2	102	0.5	52.0	38.3	1365	6.05	6	0.4	1.1	119	0.3	1.3	0.2	247	4.75
1335620	Rock	2.25	0.006	0.6	53.2	16.3	86	0.4	69.8	32.3	1223	5.92	4	0.5	1.0	194	<0.1	0.9	<0.1	263	5.62
1335621	Rock	1.87	<0.005	<0.1	2.1	1.6	18	0.1	2.4	0.7	255	0.53	<1	0.9	<0.1	52	0.2	<0.1	<0.1	1	21.82
1335622	Rock	3.17	0.010	0.7	53.0	14.4	74	0.3	65.8	26.5	1365	5.60	7	0.5	1.2	161	0.1	1.3	0.1	236	6.44
1335623	Rock	2.52	0.012	0.7	49.4	10.6	72	0.3	53.3	24.0	978	5.04	7	0.6	1.5	102	<0.1	1.0	0.2	185	4.13
1335624	Rock	2.47	0.011	0.5	65.8	12.4	78	0.5	46.8	29.2	1074	5.47	7	0.8	2.2	106	<0.1	1.6	0.3	214	4.23
1335625	Rock	5.17	0.009	0.7	75.1	10.8	73	0.3	51.3	22.2	1001	5.00	6	0.7	2.1	96	0.1	1.4	0.2	202	3.96
1335626	Rock	2.57	0.012	0.8	46.0	13.3	69	0.3	51.0	25.2	1155	4.91	7	0.7	1.4	123	0.2	2.0	0.1	210	5.18
1335627	Rock	2.21	0.010	0.5	49.0	11.1	90	0.3	63.9	33.3	1208	5.69	5	0.6	1.0	128	0.1	1.7	0.2	251	4.75
1335628	Rock	2.15	0.025	0.9	79.7	14.8	116	0.9	25.7	32.7	1361	6.65	9	0.4	1.1	104	0.1	2.0	0.4	235	4.61
1335629	Rock	1.28	0.008	1.6	50.5	18.6	143	0.3	50.6	27.3	1616	5.81	5	0.6	1.7	120	0.3	1.2	0.2	174	5.81
1335630	Rock	1.76	0.023	1.8	42.7	14.8	124	0.3	54.3	28.5	1559	6.13	5	0.6	1.1	119	0.3	0.9	0.2	232	5.42
1335631	Rock	2.33	0.007	0.6	91.1	15.9	107	0.4	71.0	37.4	1627	6.61	4	0.4	1.1	130	0.2	0.5	0.1	264	7.02
1335632	Rock	2.06	<0.005	0.4	90.8	9.7	90	0.4	65.0	35.6	1317	6.61	4	0.3	0.7	104	0.2	0.3	1.4	262	5.68
1335633	Rock	1.82	<0.005	0.7	77.4	10.5	88	0.4	72.2	35.5	1177	6.56	5	0.2	0.8	79	0.1	0.4	0.8	259	4.60
1335634	Rock	1.54	0.033	1.3	44.6	60.6	323	0.4	10.1	7.3	536	5.11	5	1.2	3.3	48	3.4	1.4	0.4	128	0.27
1335635	Rock	2.37	0.057	1.8	72.9	166.8	266	1.5	16.5	19.6	838	5.27	14	0.9	2.9	37	2.2	1.6	0.5	161	0.39
1335636	Rock	2.77	0.034	0.9	85.3	99.7	253	1.3	11.9	24.6	1028	6.04	22	0.6	1.7	28	1.2	1.2	0.3	213	0.36
1335637	Rock	1.57	0.042	1.5	137.1	61.0	259	1.8	14.6	25.1	1109	5.75	21	0.8	2.5	30	0.9	1.4	0.3	202	0.48
1335638	Rock	2.02	0.022	0.8	74.8	23.4	123	1.3	17.4	28.5	1163	5.78	18	0.4	1.9	44	0.6	0.9	0.3	215	1.77
1335639	Rock	1.84	0.018	0.8	60.8	14.5	100	1.1	23.1	30.5	1178	6.55	8	0.2	0.9	31	0.3	0.7	0.1	239	0.96
1335640	Rock	1.35	0.013	0.3	116.4	18.4	98	1.5	29.7	37.2	1419	6.45	21	0.2	1.0	91	0.1	0.9	0.2	223	3.49
1335641	Rock Pulp	0.12	2.012	3.6	34.4	9.1	62	0.4	35.4	15.1	735	4.08	12	0.6	1.7	264	0.1	2.9	0.2	132	2.68
1335642	Rock	3.34	0.011	0.8	111.3	16.6	99	1.6	24.4	34.8	1426	6.86	15	0.2	1.0	85	<0.1	0.9	0.2	231	3.57
1335643	Rock	2.26	0.008	0.3	36.0	12.0	82	0.8	19.4	28.4	1276	6.10	5	0.2	1.2	85	0.2	0.5	<0.1	212	4.47
1335644	Rock	1.96	0.027	0.5	60.1	11.5	132	1.2	28.3	22.2	940	6.24	9	0.5	1.7	48	0.2	0.7	0.2	177	1.23
1335645	Rock	2.65	0.020	0.6	57.2	11.3	154	1.0	66.3	32.2	1238	6.30	8	0.2	0.7	92	0.3	0.7	0.2	234	3.54
1335646	Rock	2.67	0.029	0.6	51.1	8.7	93	0.7	56.3	28.3	1281	5.98	8	0.2	0.6	85	0.3	1.4	0.2	241	3.73
1335647	Rock	2.27	0.036	0.4	77.3	6.9	99	1.0	44.6	25.4	1187	6.36	5	0.2	1.1	91	0.3	0.6	0.3	239	4.01
1335648	Rock	2.17	0.019	0.5	60.3	7.7	97	0.8	38.2	27.4	1191	6.46	5	0.3	0.9	78	0.2	1.3	0.2	239	3.52

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1335619	Rock	0.045	5.5	104	4.03	704	0.317	8.12	1.302	1.65	1.0	2.3	14	0.8	12.2	1.3	<0.1	<1	26	21.2	0.8
1335620	Rock	0.045	5.3	126	4.19	933	0.396	8.62	2.203	0.89	1.4	2.0	13	0.6	14.2	1.1	<0.1	1	30	27.9	0.4
1335621	Rock	0.018	0.9	2	13.03	36	0.003	0.06	0.008	0.02	0.2	0.3	1	<0.1	0.8	0.1	<0.1	<1	<1	0.8	<0.1
1335622	Rock	0.038	7.8	103	3.97	655	0.355	8.29	1.509	1.15	1.6	2.4	16	0.8	14.2	1.3	<0.1	<1	27	22.6	1.0
1335623	Rock	0.048	6.5	98	3.55	286	0.322	7.38	1.548	0.99	2.7	6.0	15	0.9	10.8	1.6	0.1	<1	23	20.6	1.2
1335624	Rock	0.048	9.0	100	3.83	340	0.397	8.21	1.899	1.22	2.3	5.9	19	1.1	13.4	2.2	0.1	<1	25	19.8	1.2
1335625	Rock	0.061	7.6	93	3.54	306	0.365	7.70	1.748	1.16	2.6	8.0	18	1.1	12.1	2.0	0.1	<1	23	18.1	1.1
1335626	Rock	0.042	7.2	96	3.61	571	0.352	7.50	1.382	1.13	3.7	5.1	16	1.0	10.3	1.8	0.1	<1	25	20.3	0.8
1335627	Rock	0.038	5.8	127	4.38	814	0.370	8.47	1.678	1.15	6.5	2.8	14	0.8	12.3	1.3	<0.1	<1	29	25.6	0.7
1335628	Rock	0.049	5.5	42	3.56	111	0.340	7.86	1.350	1.53	3.7	9.2	14	1.1	10.3	1.4	<0.1	<1	26	20.2	2.6
1335629	Rock	0.032	8.2	103	3.86	445	0.242	7.39	1.167	1.13	2.6	11.7	19	0.9	8.9	1.6	<0.1	<1	25	20.3	1.7
1335630	Rock	0.038	6.1	129	4.25	568	0.200	7.86	1.388	1.24	4.3	7.9	13	0.7	6.8	0.7	<0.1	<1	27	26.3	1.0
1335631	Rock	0.048	5.7	131	4.58	744	0.120	8.75	1.829	1.04	1.9	5.1	14	0.6	8.5	0.3	<0.1	<1	37	27.6	0.7
1335632	Rock	0.036	5.7	101	4.60	633	0.109	8.42	1.699	0.88	1.4	3.0	12	0.7	5.3	0.3	<0.1	<1	36	32.9	0.2
1335633	Rock	0.040	4.6	121	4.43	504	0.116	8.20	1.916	0.80	1.6	6.8	10	0.4	5.1	0.3	<0.1	<1	33	34.1	0.2
1335634	Rock	0.070	9.4	21	2.27	2181	0.113	6.48	1.313	1.76	1.4	25.3	20	1.3	5.5	0.9	<0.1	<1	18	19.7	<0.1
1335635	Rock	0.066	10.1	27	1.95	1774	0.087	6.28	1.480	1.80	1.3	31.5	22	1.0	6.5	0.7	<0.1	<1	19	18.5	0.3
1335636	Rock	0.059	6.9	12	2.37	852	0.059	5.89	1.300	1.37	1.3	26.8	17	0.8	5.2	0.3	<0.1	<1	24	22.6	0.6
1335637	Rock	0.056	7.8	23	2.03	578	0.074	6.12	1.308	1.69	1.2	33.6	19	0.8	6.0	0.4	<0.1	1	21	20.6	0.6
1335638	Rock	0.051	7.7	19	2.13	334	0.062	7.15	1.271	1.77	1.4	16.7	19	0.7	6.8	0.3	<0.1	<1	28	20.8	0.9
1335639	Rock	0.045	2.9	24	3.37	108	0.064	7.15	2.143	1.13	1.3	8.2	9	0.5	4.9	0.2	<0.1	<1	26	28.1	1.2
1335640	Rock	0.039	5.9	40	4.61	2264	0.063	7.56	1.710	0.61	1.3	27.7	13	0.2	6.3	0.3	<0.1	<1	34	30.8	1.5
1335641	Rock Pulp	0.069	7.7	57	1.44	528	0.369	6.41	2.390	0.92	23.2	26.2	18	1.0	12.6	3.7	0.2	<1	16	17.9	<0.1
1335642	Rock	0.048	5.6	29	4.46	1192	0.076	7.83	1.458	0.92	0.9	35.1	14	0.4	7.2	0.2	<0.1	<1	33	24.9	2.3
1335643	Rock	0.043	5.3	16	3.14	336	0.060	7.92	1.873	1.37	0.9	7.4	13	0.5	7.8	0.2	<0.1	<1	27	24.8	2.2
1335644	Rock	0.063	5.4	65	3.14	107	0.077	7.47	1.900	1.39	1.2	14.3	16	0.9	7.6	0.3	<0.1	<1	22	22.5	1.1
1335645	Rock	0.045	3.4	138	4.53	282	0.127	7.57	0.708	1.43	1.1	7.5	10	0.8	6.2	0.4	<0.1	1	26	25.8	1.2
1335646	Rock	0.042	3.0	103	4.00	1393	0.271	7.87	1.554	1.28	3.3	3.9	10	0.7	7.1	0.9	<0.1	<1	26	23.6	0.5
1335647	Rock	0.049	4.4	82	3.61	341	0.142	8.18	1.940	1.56	1.4	9.3	12	0.8	5.5	0.4	<0.1	<1	26	17.7	1.7
1335648	Rock	0.047	3.7	72	3.33	636	0.220	7.91	1.787	1.53	2.6	7.1	11	1.1	6.5	0.7	<0.1	1	24	19.5	1.2

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Project: KSD
Report Date: November 28, 2014

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CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1335619	Rock	33.7	0.1	0.07	<0.005	<1	1.2	<0.5
1335620	Rock	36.3	<0.1	0.07	<0.005	<1	0.6	<0.5
1335621	Rock	1.3	<0.1	<0.05	<0.005	<1	6.0	<0.5
1335622	Rock	49.2	0.1	<0.05	<0.005	<1	1.2	<0.5
1335623	Rock	30.6	0.2	0.09	<0.005	<1	0.7	<0.5
1335624	Rock	43.3	0.2	0.06	<0.005	<1	1.2	<0.5
1335625	Rock	30.0	0.2	0.11	<0.005	<1	1.1	<0.5
1335626	Rock	41.2	0.1	0.07	<0.005	<1	1.9	<0.5
1335627	Rock	31.0	<0.1	0.05	<0.005	<1	1.5	<0.5
1335628	Rock	42.0	0.3	0.08	<0.005	2	1.1	<0.5
1335629	Rock	52.5	0.7	0.05	<0.005	<1	1.2	<0.5
1335630	Rock	37.2	0.3	0.07	<0.005	<1	1.1	<0.5
1335631	Rock	45.9	0.2	0.06	<0.005	<1	0.7	<0.5
1335632	Rock	38.4	<0.1	0.08	<0.005	2	3.6	<0.5
1335633	Rock	24.1	0.1	0.08	<0.005	<1	2.5	<0.5
1335634	Rock	48.0	0.8	<0.05	<0.005	2	<0.5	0.5
1335635	Rock	64.3	1.0	0.08	<0.005	<1	<0.5	<0.5
1335636	Rock	48.6	0.7	<0.05	0.007	<1	<0.5	<0.5
1335637	Rock	66.7	0.9	0.10	<0.005	1	0.6	<0.5
1335638	Rock	66.3	0.4	0.06	<0.005	<1	<0.5	<0.5
1335639	Rock	34.0	0.2	0.09	<0.005	<1	1.2	<0.5
1335640	Rock	24.8	0.2	0.06	<0.005	2	2.5	<0.5
1335641	Rock Pulp	21.1	0.9	<0.05	<0.005	1	<0.5	<0.5
1335642	Rock	35.3	0.8	0.09	<0.005	<1	0.6	<0.5
1335643	Rock	42.6	0.2	<0.05	<0.005	1	0.9	<0.5
1335644	Rock	45.6	0.4	0.10	<0.005	1	0.8	<0.5
1335645	Rock	30.0	0.2	0.11	<0.005	1	1.2	<0.5
1335646	Rock	24.1	0.1	0.09	<0.005	<1	1.4	<0.5
1335647	Rock	40.7	0.2	0.08	0.006	<1	<0.5	<0.5
1335648	Rock	32.6	0.2	0.11	<0.005	1	1.0	<0.5

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
1335649	Rock	2.16	0.014	0.5	87.4	7.5	96	0.7	36.3	28.0	1319	5.98	7	0.2	1.1	91	0.1	1.2	<0.1	235	4.44
1335650	Rock	2.26	0.008	0.7	40.9	6.7	86	0.3	23.5	20.0	1098	4.66	6	0.3	2.1	80	<0.1	0.9	0.1	168	4.09
1335651	Rock	3.58	0.013	0.7	49.7	7.4	106	0.4	48.2	26.8	1264	5.57	9	0.4	1.2	109	<0.1	1.4	<0.1	198	4.47
1335652	Rock	2.59	0.065	0.5	35.1	7.0	71	0.5	46.1	29.5	1240	5.37	6	0.4	0.9	102	0.2	1.5	<0.1	213	4.90
1335653	Rock	2.66	0.018	0.6	46.8	7.7	93	0.5	39.7	26.6	1148	5.54	4	0.2	0.9	87	0.2	1.2	<0.1	230	4.37
1335654	Rock	1.99	0.030	0.5	66.7	8.5	72	0.7	42.3	28.6	1255	5.70	6	0.3	1.0	101	<0.1	1.1	0.2	233	5.18
1335655	Rock	2.09	0.006	0.4	60.4	6.1	67	0.5	59.8	27.2	1153	5.27	4	0.3	0.7	87	<0.1	0.9	<0.1	234	5.19
1335656	Rock	2.17	0.008	0.5	41.5	6.3	70	0.5	34.2	21.5	929	4.99	4	0.3	1.4	80	<0.1	0.6	<0.1	184	4.16
1335657	Rock	1.97	0.016	0.5	24.4	6.0	82	0.4	38.0	22.5	1430	5.28	5	0.3	1.3	88	0.2	0.4	<0.1	180	4.63
1335658	Rock	2.16	0.023	0.2	34.9	6.9	146	0.3	28.7	20.4	1179	5.26	4	0.2	1.2	90	0.3	0.5	<0.1	200	4.40
1335659	Rock	2.73	0.023	0.6	24.8	7.0	118	0.3	24.7	19.8	1130	4.75	8	0.4	1.6	85	0.2	0.5	<0.1	157	4.36
1394544	Rock	1.50	0.023	2.5	29.5	7.7	150	0.2	19.0	29.1	1504	6.83	6	0.6	1.5	58	0.2	0.8	0.4	146	3.14
1394545	Rock	1.68	0.010	2.5	22.5	6.4	110	0.3	17.2	24.7	1492	6.13	6	0.4	1.7	64	0.3	0.3	0.3	134	3.23
1394546	Rock	1.51	0.014	2.6	33.1	8.9	126	0.4	18.1	32.3	1299	6.92	15	0.4	1.6	70	0.2	0.5	0.4	156	3.26
1394547	Rock	2.07	0.074	3.3	24.8	18.5	145	0.4	18.2	29.2	1307	6.03	61	0.4	1.7	94	1.0	0.6	0.3	155	3.74
1394548	Rock	2.02	0.183	1.9	37.1	53.4	301	0.4	14.2	23.4	1481	5.59	30	0.4	1.5	133	3.8	0.6	0.2	192	4.62

CERTIFICATE OF ANALYSIS

WHI14000271.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
1335649	Rock	0.049	4.8	75	3.31	991	0.248	8.41	1.972	1.56	2.3	6.1	11	0.9	7.7	0.8	<0.1	1	25	23.7	0.7
1335650	Rock	0.051	7.0	38	2.16	1012	0.207	6.99	1.383	1.80	2.0	11.8	17	0.8	8.1	1.5	0.1	<1	19	13.5	0.7
1335651	Rock	0.038	5.3	91	3.36	1072	0.295	7.77	1.498	1.33	4.9	5.9	13	0.8	9.7	1.2	<0.1	1	25	24.0	0.6
1335652	Rock	0.035	4.1	91	3.39	935	0.240	7.23	1.243	1.48	5.2	6.1	11	0.3	7.7	0.8	<0.1	<1	25	14.6	1.1
1335653	Rock	0.039	3.0	77	2.97	1209	0.253	7.71	1.506	1.77	2.5	4.9	10	0.7	6.5	0.7	<0.1	1	25	20.4	0.8
1335654	Rock	0.049	5.2	70	3.40	1161	0.255	8.13	1.415	1.44	2.8	5.6	16	0.8	6.5	0.9	<0.1	<1	25	22.0	0.9
1335655	Rock	0.037	4.6	117	4.20	915	0.247	8.09	1.567	1.16	1.2	2.4	11	0.5	6.4	0.8	<0.1	<1	29	26.2	0.3
1335656	Rock	0.046	5.9	67	3.05	863	0.143	7.50	1.490	1.41	1.2	7.6	17	0.8	5.7	0.7	<0.1	<1	23	21.7	0.9
1335657	Rock	0.043	5.5	64	3.11	1179	0.090	7.53	1.593	1.12	2.2	6.8	14	0.6	6.2	0.4	<0.1	<1	24	20.4	0.5
1335658	Rock	0.053	4.7	50	2.63	1023	0.153	7.94	2.005	1.69	2.7	7.4	14	0.7	5.8	0.6	<0.1	1	22	19.4	0.8
1335659	Rock	0.050	6.5	43	2.40	842	0.143	7.02	1.797	1.29	2.4	8.6	17	0.6	6.4	0.6	<0.1	<1	20	16.9	0.9
1394544	Rock	0.067	4.3	33	2.49	36	0.076	6.54	1.263	1.59	2.9	13.0	13	0.8	6.6	0.3	<0.1	<1	18	30.1	3.7
1394545	Rock	0.072	6.1	28	2.32	33	0.078	6.24	1.174	1.59	16.1	13.1	18	0.8	7.3	0.4	<0.1	<1	16	37.7	3.3
1394546	Rock	0.069	5.7	27	2.22	36	0.089	6.76	1.246	1.79	16.5	12.2	16	1.1	7.2	0.5	<0.1	<1	18	57.1	4.0
1394547	Rock	0.070	6.1	42	2.09	61	0.086	6.52	1.224	1.69	57.6	14.8	18	0.9	7.5	0.5	<0.1	<1	19	53.3	2.7
1394548	Rock	0.054	6.1	25	2.10	160	0.086	7.01	1.319	1.62	3.6	7.8	15	0.8	8.7	0.3	<0.1	<1	20	41.7	1.5

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Project: KSD
Report Date: November 28, 2014

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
1335649	Rock	39.7	<0.1	0.08	<0.005	1	<0.5	<0.5
1335650	Rock	46.4	0.5	<0.05	<0.005	2	1.4	<0.5
1335651	Rock	45.5	0.2	0.05	<0.005	2	0.9	<0.5
1335652	Rock	52.7	0.2	<0.05	<0.005	<1	0.7	<0.5
1335653	Rock	46.6	0.2	0.07	<0.005	<1	1.1	<0.5
1335654	Rock	38.9	0.2	<0.05	<0.005	2	3.5	<0.5
1335655	Rock	38.1	<0.1	0.07	0.005	2	3.2	<0.5
1335656	Rock	39.4	0.2	0.07	<0.005	<1	0.7	<0.5
1335657	Rock	44.7	0.2	<0.05	0.006	1	1.0	<0.5
1335658	Rock	43.8	0.2	0.07	<0.005	<1	<0.5	<0.5
1335659	Rock	51.1	0.2	<0.05	<0.005	1	0.9	<0.5
1394544	Rock	45.0	0.4	0.06	<0.005	3	<0.5	<0.5
1394545	Rock	50.2	0.4	0.09	<0.005	2	0.6	<0.5
1394546	Rock	54.2	0.3	0.08	0.006	3	<0.5	<0.5
1394547	Rock	53.4	0.3	0.07	<0.005	3	0.7	<0.5
1394548	Rock	57.0	0.2	0.08	0.006	2	1.2	<0.5

QUALITY CONTROL REPORT

WHI14000271.1

	Method Analyte Unit MDL	WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
1348883	Rock	1.89	0.021	0.9	73.2	17.0	239	1.0	24.0	46.6	2555	6.63	9	0.4	1.3	39	3.6	0.6	0.2	196	0.90
REP 1348883	QC		0.025																		
1348890	Rock	2.56	0.015	3.6	60.6	54.0	302	0.7	11.0	12.0	365	5.63	8	1.2	2.5	23	0.7	1.4	<0.1	136	0.08
REP 1348890	QC			4.1	64.7	56.6	303	0.7	10.0	12.2	365	5.69	9	1.3	2.4	26	0.4	1.2	<0.1	139	0.09
1335568	Rock	2.14	0.085	0.6	31.4	19.0	281	0.3	5.3	16.7	668	4.87	5	0.7	2.4	33	1.6	0.4	<0.1	77	0.26
REP 1335568	QC			0.7	34.0	19.9	292	0.3	5.9	17.9	702	5.00	8	0.9	2.6	36	1.8	0.4	<0.1	79	0.30
1335581	Rock	1.31	<0.005	<0.1	2.0	2.3	16	<0.1	2.0	0.6	244	0.52	<1	0.7	<0.1	55	<0.1	<0.1	<0.1	1	21.40
REP 1335581	QC		<0.005																		
1335606	Rock	2.77	0.017	2.5	248.6	1750.0	1340	2.1	7.0	2.3	1312	7.83	9	1.6	1.7	44	0.4	2.1	<0.1	227	0.07
REP 1335606	QC		0.018																		
1335620	Rock	2.25	0.006	0.6	53.2	16.3	86	0.4	69.8	32.3	1223	5.92	4	0.5	1.0	194	<0.1	0.9	<0.1	263	5.62
REP 1335620	QC			0.6	50.5	14.8	77	0.2	65.9	30.3	1153	5.66	5	0.4	1.0	183	0.2	1.0	<0.1	250	5.35
1335642	Rock	3.34	0.011	0.8	111.3	16.6	99	1.6	24.4	34.8	1426	6.86	15	0.2	1.0	85	<0.1	0.9	0.2	231	3.57
REP 1335642	QC		0.012																		
1335655	Rock	2.09	0.006	0.4	60.4	6.1	67	0.5	59.8	27.2	1153	5.27	4	0.3	0.7	87	<0.1	0.9	<0.1	234	5.19
REP 1335655	QC			0.4	58.1	6.2	71	0.5	61.7	28.3	1149	5.24	4	0.3	0.7	89	0.1	1.1	<0.1	230	5.14
Core Reject Duplicates																					
1394728	Rock	2.64	0.009	2.6	21.3	13.7	92	0.3	16.0	8.1	456	2.58	13	1.8	5.1	119	0.5	0.5	0.2	67	2.09
DUP 1394728	QC		0.006	2.4	20.1	12.3	86	0.3	15.0	7.9	466	2.64	12	1.7	5.2	109	0.5	0.5	0.2	68	2.17
1335552	Rock	2.80	0.017	1.3	57.5	15.0	112	1.0	34.1	38.4	1843	7.16	14	0.4	0.7	79	0.6	0.8	0.2	249	5.69
DUP 1335552	QC		0.016	1.3	57.1	14.5	117	1.1	35.4	39.5	1835	7.19	13	0.2	0.6	76	0.6	0.8	0.2	249	5.61
1335607	Rock	2.87	0.016	1.2	226.7	1786.8	1444	2.1	7.2	2.2	1354	7.59	9	2.4	3.3	72	0.7	1.6	0.1	251	0.09
DUP 1335607	QC		0.021	0.9	208.9	1633.7	1345	2.1	6.7	2.2	1233	6.95	9	2.0	2.8	66	0.5	1.6	0.1	229	0.10
1335645	Rock	2.65	0.020	0.6	57.2	11.3	154	1.0	66.3	32.2	1238	6.30	8	0.2	0.7	92	0.3	0.7	0.2	234	3.54
DUP 1335645	QC		0.025	0.9	63.3	13.0	180	1.0	72.9	33.8	1320	6.90	10	0.3	0.7	91	0.7	0.8	0.3	256	3.60
Reference Materials																					
STD OREAS25A-4A	Standard			2.6	35.5	26.9	47	0.1	51.6	7.5	497	6.67	11	3.2	17.1	47	0.2	0.7	0.3	166	0.32
STD OREAS25A-4A	Standard			2.5	35.2	24.0	39	0.2	49.5	7.6	508	6.52	11	3.1	15.3	45	<0.1	0.6	0.3	161	0.27

QUALITY CONTROL REPORT

WHI14000271.1

	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
Pulp Duplicates																				
1348883	Rock	0.067	3.7	24	3.80	446	0.071	7.33	1.342	1.64	0.7	31.5	10	1.0	7.5	0.4	<0.1	1	19	36.0
REP 1348883	QC																			
1348890	Rock	0.087	7.0	20	2.77	205	0.082	6.71	1.555	1.59	1.0	46.1	17	0.9	3.2	0.5	<0.1	2	18	33.7
REP 1348890	QC	0.086	6.7	20	2.79	206	0.076	6.87	1.458	1.71	1.1	48.7	17	0.9	3.3	0.5	<0.1	1	19	32.8
1335568	Rock	0.101	7.4	5	2.75	1664	0.067	6.48	1.426	1.69	0.5	32.2	20	1.0	5.3	0.3	<0.1	1	14	28.8
REP 1335568	QC	0.112	7.9	6	2.84	1718	0.076	6.63	1.559	1.79	0.6	33.8	20	1.2	5.6	0.5	<0.1	2	16	30.0
1335581	Rock	0.019	1.1	2	12.85	54	0.003	0.06	0.005	0.02	<0.1	0.3	2	<0.1	1.0	0.2	<0.1	<1	<1	0.7
REP 1335581	QC																			
1335606	Rock	0.076	4.7	8	3.91	1340	0.111	7.15	1.558	1.12	2.1	82.4	13	0.7	1.9	0.3	<0.1	<1	24	22.7
REP 1335606	QC																			
1335620	Rock	0.045	5.3	126	4.19	933	0.396	8.62	2.203	0.89	1.4	2.0	13	0.6	14.2	1.1	<0.1	1	30	27.9
REP 1335620	QC	0.037	5.5	110	4.04	848	0.379	8.48	2.119	0.84	1.3	2.4	12	0.6	15.0	1.0	<0.1	<1	30	26.3
1335642	Rock	0.048	5.6	29	4.46	1192	0.076	7.83	1.458	0.92	0.9	35.1	14	0.4	7.2	0.2	<0.1	<1	33	24.9
REP 1335642	QC																			
1335655	Rock	0.037	4.6	117	4.20	915	0.247	8.09	1.567	1.16	1.2	2.4	11	0.5	6.4	0.8	<0.1	<1	29	26.2
REP 1335655	QC	0.037	4.1	119	4.15	885	0.255	7.85	1.537	1.10	1.2	2.0	12	0.5	6.1	0.6	<0.1	<1	28	29.5
Core Reject Duplicates																				
1394728	Rock	0.075	16.9	29	1.16	737	0.188	5.03	1.931	1.64	1.5	30.1	34	1.2	10.4	4.8	0.3	<1	11	12.0
DUP 1394728	QC	0.070	17.5	27	1.20	749	0.179	5.16	1.758	1.43	1.3	30.3	36	1.1	9.8	4.3	0.3	1	11	11.0
1335552	Rock	0.035	4.9	50	4.26	917	0.064	7.38	1.364	0.87	1.4	5.3	12	0.2	7.4	0.2	<0.1	1	39	30.0
DUP 1335552	QC	0.031	5.7	54	4.25	782	0.065	7.34	1.347	0.86	1.7	5.0	12	0.3	7.5	0.2	<0.1	<1	39	29.0
1335607	Rock	0.082	11.5	10	4.27	1267	0.132	8.31	1.395	1.33	1.1	77.4	26	0.7	3.4	0.5	<0.1	<1	28	27.3
DUP 1335607	QC	0.075	8.9	9	3.87	1137	0.122	7.53	1.373	1.46	0.9	69.2	21	0.7	3.2	0.4	<0.1	1	25	26.9
1335645	Rock	0.045	3.4	138	4.53	282	0.127	7.57	0.708	1.43	1.1	7.5	10	0.8	6.2	0.4	<0.1	1	26	25.8
DUP 1335645	QC	0.046	2.8	145	4.95	286	0.140	7.98	0.762	1.68	1.4	8.4	8	1.1	6.1	0.4	<0.1	2	27	28.6
Reference Materials																				
STD OREAS25A-4A	Standard	0.053	24.1	127	0.37	150	0.989	9.15	0.125	0.52	2.2	162.4	52	4.3	10.8	21.5	1.7	<1	14	38.9
STD OREAS25A-4A	Standard	0.051	19.7	117	0.34	158	1.004	8.90	0.112	0.49	1.7	151.6	44	4.0	9.6	20.1	1.4	<1	14	38.8

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	Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
1348883	Rock	18.6	0.9	0.10	<0.005	<1	<0.5	<0.5
REP 1348883	QC							
1348890	Rock	43.7	1.4	0.06	<0.005	<1	<0.5	0.5
REP 1348890	QC	41.8	1.5	0.06	<0.005	1	<0.5	0.5
1335568	Rock	37.6	0.8	<0.05	<0.005	<1	<0.5	<0.5
REP 1335568	QC	41.2	0.9	0.11	<0.005	<1	<0.5	<0.5
1335581	Rock	1.5	<0.1	<0.05	<0.005	<1	6.4	<0.5
REP 1335581	QC							
1335606	Rock	16.6	2.2	0.05	<0.005	3	<0.5	<0.5
REP 1335606	QC							
1335620	Rock	36.3	<0.1	0.07	<0.005	<1	0.6	<0.5
REP 1335620	QC	47.8	<0.1	0.07	<0.005	<1	1.1	<0.5
1335642	Rock	35.3	0.8	0.09	<0.005	<1	0.6	<0.5
REP 1335642	QC							
1335655	Rock	38.1	<0.1	0.07	0.005	2	3.2	<0.5
REP 1335655	QC	35.6	<0.1	<0.05	<0.005	<1	1.5	<0.5
Core Reject Duplicates								
1394728	Rock	47.1	1.3	0.06	<0.005	<1	<0.5	<0.5
DUP 1394728	QC	44.2	0.9	0.06	<0.005	<1	0.5	<0.5
1335552	Rock	33.8	0.2	<0.05	<0.005	1	<0.5	<0.5
DUP 1335552	QC	33.2	0.2	0.08	<0.005	<1	0.8	<0.5
1335607	Rock	61.3	2.6	0.09	<0.005	<1	<0.5	<0.5
DUP 1335607	QC	46.4	2.0	0.05	<0.005	<1	<0.5	<0.5
1335645	Rock	30.0	0.2	0.11	<0.005	1	1.2	<0.5
DUP 1335645	QC	22.1	0.3	0.17	<0.005	<1	2.9	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	61.5	4.5	0.15	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	63.3	4.2	0.09	<0.005	4	<0.5	<0.5

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		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.5	34.3	28.4	43	<0.1	46.2	8.0	467	6.59	11	2.7	14.3	49	0.1	0.6	0.3	161	0.27
STD OREAS25A-4A	Standard			2.3	31.5	23.2	35	0.2	42.5	6.8	409	6.36	10	2.4	13.0	44	<0.1	0.6	0.6	156	0.28
STD OREAS45E	Standard			2.5	835.0	19.5	54	0.4	506.7	58.8	569	26.32	15	2.6	13.6	15	<0.1	1.1	0.3	342	0.08
STD OREAS45E	Standard			2.5	828.8	18.6	42	0.4	499.3	54.2	578	25.76	17	2.7	13.8	16	<0.1	1.0	0.3	335	0.07
STD OREAS45E	Standard			2.4	813.7	20.1	46	0.4	487.6	67.4	537	25.32	20	2.9	14.0	19	<0.1	1.0	0.4	323	0.06
STD OREAS45E	Standard			2.0	801.0	17.7	48	0.3	483.1	59.8	539	26.72	15	2.3	12.4	16	<0.1	0.9	0.2	324	0.07
STD OXD108	Standard		0.439																		
STD OXD108	Standard		0.433																		
STD OXD108	Standard		0.412																		
STD OXI121	Standard		1.870																		
STD OXI121	Standard		1.801																		
STD OXI121	Standard		1.892																		
STD OXN117	Standard		7.948																		
STD OXN117	Standard		7.807																		
STD OXN117	Standard		7.724																		
STD OREAS25A-4A				2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	0.2	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	0.2	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	0.1	0.3	<0.2	1	<0.01	3	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.005																		

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		MA200 P %	MA200 La ppm	MA200 Cr ppm	MA200 Mg %	MA200 Ba ppm	MA200 Ti %	MA200 Al %	MA200 Na %	MA200 K %	MA200 W ppm	MA200 Zr ppm	MA200 Ce ppm	MA200 Sn ppm	MA200 Y ppm	MA200 Nb ppm	MA200 Ta ppm	MA200 Be ppm	MA200 Sc ppm	MA200 Li ppm	MA200 S %
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS25A-4A	Standard	0.051	21.7	126	0.33	153	1.020	8.61	0.125	0.45	1.9	152.7	48	3.8	9.7	20.3	1.4	1	13	36.4	<0.1
STD OREAS25A-4A	Standard	0.050	17.3	105	0.29	150	0.963	8.48	0.117	0.49	1.5	120.1	43	3.5	8.9	20.1	1.3	1	13	35.1	<0.1
STD OREAS45E	Standard	0.034	11.6	1039	0.16	266	0.569	7.20	0.053	0.37	1.0	98.4	25	1.2	7.5	6.4	0.6	<1	101	6.9	<0.1
STD OREAS45E	Standard	0.039	10.9	1009	0.17	271	0.563	7.10	0.054	0.38	1.0	95.1	23	1.3	6.5	6.2	0.5	<1	99	7.1	<0.1
STD OREAS45E	Standard	0.035	9.7	920	0.16	296	0.556	6.87	0.053	0.34	0.9	98.5	22	1.5	7.5	5.8	0.5	<1	94	7.0	<0.1
STD OREAS45E	Standard	0.036	8.8	933	0.16	263	0.493	7.14	0.045	0.37	0.9	93.0	22	1.1	6.3	5.8	0.5	<1	99	7.2	<0.1
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OREAS25A-4A		0.048	21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXD108 Expected																					
STD OXN117 Expected																					
STD OXI121 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank																				

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		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OREAS25A-4A	Standard	62.2	4.0	0.05	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	55.2	3.7	0.05	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.5	3.2	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.9	2.9	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.5	2.8	0.10	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	19.9	2.7	0.09	<0.005	3	<0.5	<0.5
STD OXD108	Standard							
STD OXD108	Standard							
STD OXD108	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXI121	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OXN117	Standard							
STD OREAS25A-4A		61	4.53					0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXD108 Expected								
STD OXN117 Expected								
STD OXI121 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							

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		WGHT	FA430	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank	<0.005																			
Prep Wash																					
ROCK-WHI	Prep Blank	<0.005	0.7	7.4	6.1	46	<0.1	2.1	4.2	764	2.35	<1	1.3	2.8	188	<0.1	<0.1	0.3	43	1.57	
ROCK-WHI	Prep Blank	<0.005	0.6	11.8	6.2	94	<0.1	2.0	4.1	703	2.17	<1	1.2	2.9	198	0.4	<0.1	0.2	39	1.60	

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	0.045	13.4	4	0.60	868	0.227	7.06	3.723	1.88	0.5	60.9	26	0.8	17.3	6.4	0.4	1	8	3.8	<0.1
ROCK-WHI	Prep Blank	0.040	12.9	4	0.54	898	0.207	6.90	3.657	2.01	0.4	61.8	24	0.8	16.5	5.9	0.4	1	7	3.7	<0.1

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
BLK	Blank							
Prep Wash								
ROCK-WHI	Prep Blank	40.6	2.2	<0.05	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	39.2	2.0	<0.05	<0.005	<1	<0.5	<0.5