

YMEP Project 18-030

2018 GEOLOGY, GT PROBE AND SOIL GEOCHEMISTRY REPORT

on the

GOLD CAP PROPERTY

Owned by Pacific Ridge Exploration

UTM Zone 7 – NAD 83: 580,250 E, 7,012,500 N

NTS Sheets 115O/03

Latitude 63° 12' N, Longitude 139° 29' W

Dawson Mining District

Yukon, Canada

**Work Performed July 17 & 18, July 29 to August 9,
and September 3, 2018**

Report by

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October 23, 2018

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SUMMARY

This report describes exploration work carried out by Pacific Ridge Exploration Ltd. (“Pacific Ridge”) under Yukon Government YMEP agreement 18-030. The work included 4 man-days of geological mapping, 8 days of GT Probe deep soil sampling (368 samples) and 5 man-days of regular soil sampling (168 samples). The work was completed during the period July 17 to September 3, 2018.

Pacific Ridge was attracted to the Gold Cap area in 2009 because of indications of a similar geological environment to Underworld’s adjacent White Gold discovery. As well, the area was proximal to an anomalous Regional Geological Survey (RGS) silt sample that returned 49 ppb Au. Pacific Ridge staked the Gold Cap claims flanked to the west by Underworld Resources and to the east by Ryanwood’s Polar Stewart claims. In 2009 and 2010 Pacific Ridge completed two soil surveys that covered most of the property on a 100 m by 50 m grid. No work was carried out on Gold Cap during the 2011 through 2017 exploration seasons.

The soil surveys defined two anomalies. Anomaly A is defined by four anomalous gold values of 60, 127, 128 and 291 ppb, with a strong arsenic association that is much more widespread than the gold anomaly. The anomaly is also supported by anomalous Ba. Anomaly B is defined by two strongly anomalous gold values of 66 and 217 ppb, but with no supporting pathfinder metals.

During the current program, prospecting and geologic mapping was carried out over both anomaly areas. In addition, Anomaly A was tested using Ground Truth’s deep penetrating GT Probe soil sampler, with the collection of 368 samples over 9 days, while anomaly B was examined with a detailed infill soil grid including 163 samples. Mapping was completed by geologists Mike Cooley and Jean Pautler, while GT Probe sampling and soil sampling was completed by Ground Truth Exploration.

The mapping program indicated that the area of the two gold anomalies is underlain by northwest trending and moderately east dipping quartz mica \pm feldspar schist to gneiss, with a marble band in the central property area, of the Snowcap assemblage, and a 600m wide body of feldspar-quartz orthogneiss. These are favourable hosts for gold mineralization. Prospecting encountered many samples of quartz vein float, some mineralized with pyrite and locally arsenopyrite and galena. However, none of the samples were anomalous in gold.

The Anomaly B shows a moderate to strong, northwest trending gold soil anomaly to a maximum of 458.1 ppb Au. The anomaly is underlain the feldspar-quartz orthogneiss near its contact with the marble unit. The gold anomaly is supported by a weak arsenic signature, a weak bismuth signature and a very weak antimony signature. The anomaly may be related to a mapped north-east trending structure.

The GT Probe survey over Anomaly A identified two anomalous zones. Anomaly A1 includes two adjacent samples of 54 and 268 ppb Au. Anomaly A2 includes values ranging from <50 ppb to 104 ppb over 100 m. Two adjacent zones A3 and A4, are defined by anomalous gold pathfinder metals As, Bi and Sb, but gold values here are not elevated.

Further detailed prospecting, sampling and hand trenching is required over the newly defined anomalies to detect any related gold mineralization in bedrock.

INTRODUCTION

The Gold Cap property does not have any recorded history of mineral exploration activity prior to 2009. Pacific Ridge staked the Property in 2009 because of its similar geological environment to White Gold Corp.'s ("White Gold") adjacent White Gold or Golden Saddle discovery, enhanced by an anomalous Regional Geological Survey (RGS) silt sample that returned 49 ppb Au. The Company completed a 1,478-sample soil geochemical survey in 2009 and an additional 1,766 soil samples in 2010 to fill in the remaining portion of the Gold Cap claim group. This work was supported by YMIP Incentives Program Agreement No. 10-060. No work was carried out on Gold Cap during the 2011 through 2017 exploration seasons.

In 2018, Pacific Ridge applied for and received Yukon Government YMEP support (18-030). The 2018 exploration field program included two days of geological mapping over most of the claim group, carried out on July 17 and 18 by Jean Pautler and Michael Cooley. In addition, a crew from Ground Truth Exploration Inc. ("Ground Truth") collected 368 deep penetrating GT Probe soil samples from the main gold Anomaly A defined by the 2009 and 2010 sampling during the period July 29 to August 9. On September 3, a five-person crew from Ground Truth Exploration collected 168 soil samples from a detailed infill grid over Anomaly B. Expenditures for the program amounted to \$75,591.89.

TARGET

The target at Gold Cap is a structurally controlled gold deposit, similar to White Gold's Golden Saddle deposit, 6 km to the southwest.

LOCATION

The Gold Cap property lies in west-central Yukon Territory, approximately 80 kilometers south of Dawson City, in the Dawson Mining District, NTS Sheet 1150/03, and centred at Latitude 63° 12' N, Longitude 139° 29' W (UTM Coordinates 580,250 E, 7,012,500 N - NAD83, Zone 7).

ACCESS

The Property is accessed by helicopter from Dawson City. For the current program, the crew was mobilized from White Gold Corp.'s road accessible Thistle camp, approximately 17 km south of the claims. The road accessible Thistle air strip, approximately 20 km southeast of the Property, can also be used for access.

PROJECT DESCRIPTION

The Gold Cap 1-56 claim group (Grant numbers YC94350-YC94400) (Figure 2; Appendix I) (the "Property") covers approximately 1,100 ha and adjoins the northeast boundary of the White Gold's White Gold property. The Property is 100% owned by Pacific Ridge and was staked in 2009 based on an anomalous gold silt sample reported by the Geological Survey of Canada.

The property lies between the elevations of 450 m and 1020 m above sea level. Topography comprises un-glaciated terrain with typically moderate slopes and more gentle grades towards ridge tops. Local steep terrain is observed along creek cuts.



Figure 1. Gold Cap project location.

Rock outcrops are rare (less than 5% of property), often small (averaging less than 5 m) and largely restricted to ridges, local cliffs and creek bottoms. Colluvium veneer is the most common cover on the property, averaging 1-2 m thick. Colluvium conforms to bedrock topography and is composed of diamicton, rubble, and organic-rich silt and sand derived from bedrock sources by a variety of erosional processes. A thin veneer of loess material lies on top of the colluvium.

Vegetation in the valley bottoms consists of alder, balsam, fir and white and black spruce. Local poplar groves occur on some slopes with 'buckbrush' (alder), dwarf willow, alpine plants and moss in higher areas of thin tree cover. Vegetation is generally more abundant on east and south facing slopes. The property is below tree-line which in this area is approximately 1200 m.

Climate is northern interior continental with moderate to low precipitation of some 250 to 300 mm annually. Temperature ranges from 10-25°C in the summers down to -15 to -50°C in the winters. Permafrost is discontinuous and often found on north and steeper east facing slopes.

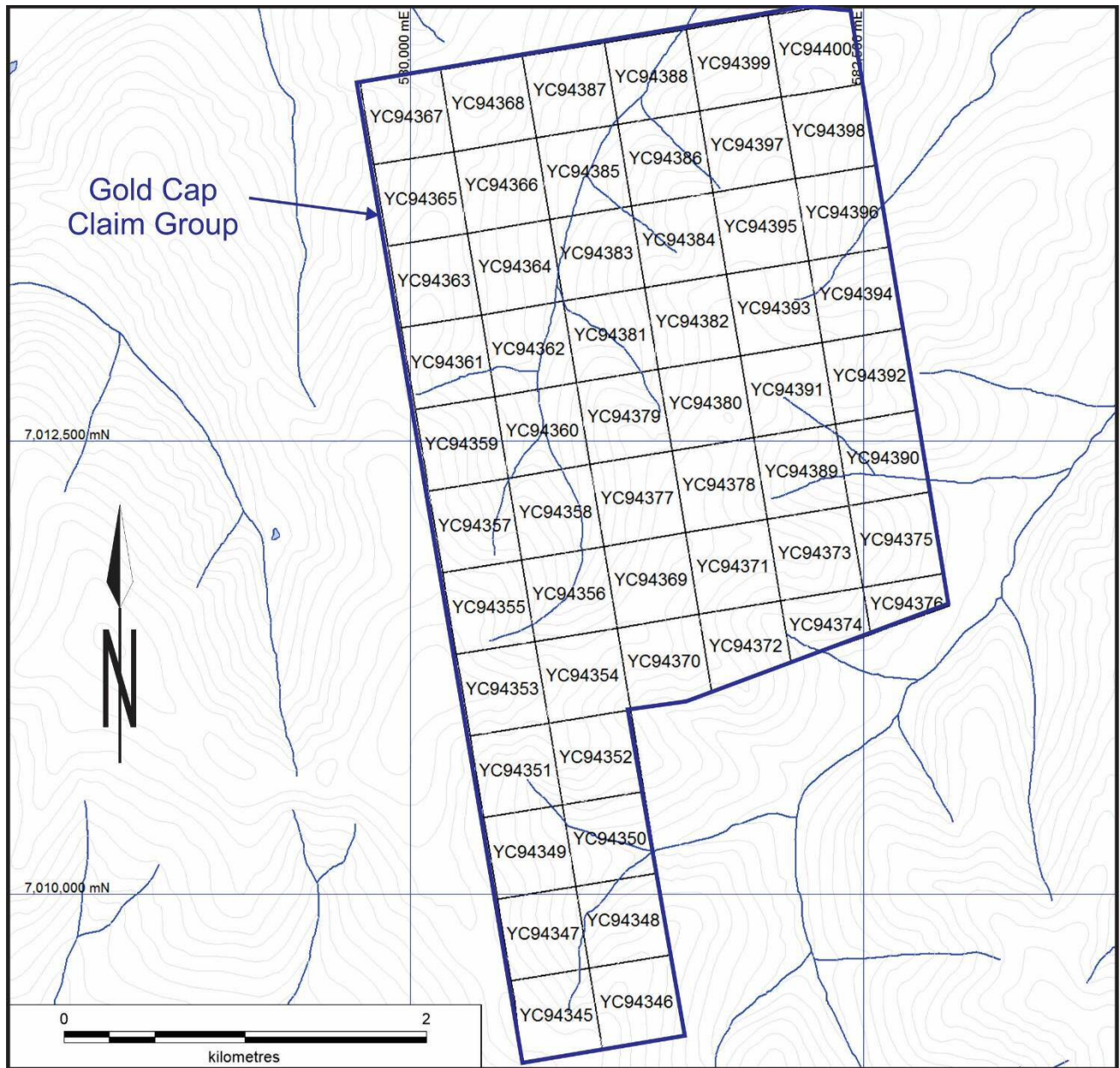


Figure 2. Gold Cap claim map.

PROJECT HISTORY

The Gold Cap property does not have any recorded history of mineral exploration activity prior to 2009. Pacific Ridge was attracted to the area because of indications of a similar geological environment to White Gold’s adjacent Golden Saddle discovery. As well, the area was proximal to an anomalous Regional Geological Survey (RGS) silt sample that returned 49 ppb Au. Pacific Ridge staked the Gold Cap claims in 2009.

After the Gold Cap acquisition Pacific Ridge concluded an agreement with Ryanwood, in June of 2009 for an option of the Polar-Stewart claims. The area of the Polar Stewart claims had been explored by Ryanwood Exploration in 2003 (Ryan, 2004A & 2004B) and by Copper Ridge Explorations Inc. in 2004 and 2005 (Zuran 2004A & 2004B; Dawson, 2005). This work involved prospecting, soil sampling (692 samples) and a small IP survey.

In 2009 Pacific Ridge completed a soil sampling survey, including 1,478 samples in two separate grids, to cover possible source areas of the RGS anomaly. In 2010, Pacific Ridge collected an additional 1,766 soil samples to fill in the remaining portion of the Gold Cap claim group. This work was supported by YMIP Incentives Program Agreement No. 10-060. The soil sample locations and grids are shown in Figure 3. The Polar Stewart property was subsequently returned to Ryanwood.

No work was carried out on the Property during the 2011 through 2017 exploration seasons.

REGIONAL GEOLOGY

The Property occurs within the unglaciated Yukon Plateau portion of the Paleozoic to Neoproterozoic Yukon-Tanana terrane (“YTT”), situated southwest of the Tintina and northeast of the Denali faults. It is composed of deformed and regionally metamorphosed greenschist to amphibolite facies metasedimentary and meta-igneous rocks of Paleozoic and Proterozoic age (Mortensen, 1992; Dusel-Bacon, 2006). Deposition in continental margin settings is indicated by generally quartz rich schists and gneisses of metasedimentary origin. The most prolific igneous protoliths are granitoids, followed by felsic volcanic rocks, then lesser mafic rocks (Dusel-Bacon, 2000).

The basal unit of YTT in the Stewart River map area correlates with the Middle Paleozoic Snowcap Assemblage elsewhere in the YTT (Colpron, et al., 2006). This assemblage is interpreted as a metamorphosed continental margin comprising metasedimentary quartzites, psammites and pelitic calc-silicic schists, with amphibolite gneiss and minor ultramafic rocks (Ryan and Gordey, 2001).

Stratigraphically above the siliciclastic rocks lies a unit of intermediate to mafic metavolcanic rocks; this unit includes amphibolites and orthogneisses that are interpreted to represent a continental arc system. Mafic orthogneisses and the potassic augen gneisses may comprise a subvolcanic intrusive complex of late Devonian to Mississippian age (Ryan and Gordey, 2001; Berman, et al., 2007). Other metasediments include carbonaceous pelite, chert and minor quartzite of the Nasina assemblage (Colpron, et al., 2006). To the north is the Permian Klondike schist consisting of highly fissile muscovite/chlorite-quartz schist primarily of volcanic protoliths (Mortensen, 1996; Berman, et al., 2007).

Compressional tectonics during the Jurassic resulted in kilometre-scale stacked thrust sheets marked along strike with thin metre-scale lenses commonly containing magnetic ultramafic rocks. This thrusting event was overprinted by Permian and Cretaceous fabric. Jurassic and Mid-Cretaceous intrusive rocks, also found intruding the YTT, have commonly been associated with mineralization in the Tintina Gold Province, an arcuate zone that stretches across Alaska and western Canada hosting known mineral deposits like Pogo, Fort Knox and Dublin Gulch.

PROPERTY GEOLOGY

The Property is underlain by Devonian to Mississippian and older rocks consisting of dominantly metasedimentary rocks, including marble, of the Snowcap assemblage (PDS) and intermediate to mafic metavolcanic (DMF1) and ultramafic rocks (DMF6) of the Finlayson assemblage. The above units are intruded by intermediate to mafic metaplutonic rocks of the Mississippian aged Simpson Range suite (MgSR) and felsic, commonly Kspar augen bearing, metaplutonic rocks of the Permian

Sulphur Creek suite (PqS). A 3 km diameter Early Jurassic granitic intrusion of the Long Lake suite (EJgL) outcrops about 5 km southeast of the Property (Figure 3).

Weiershäuser et. al. (2010) have pointed out that an important geological feature for exploration is a probable east-northeast-trending lateral structure that occurs just south of the Golden Saddle. This and similar features could have formed above an underlying basement structure that was reactivated intermittently during ductile thrusting and again during subsequent faulting, ultimately influencing hydrothermal activity and gold mineralization. The Gold Cap property is on the northeastern extension of this important structure. Similar structures have also been recorded at Comstock's QV discovery.

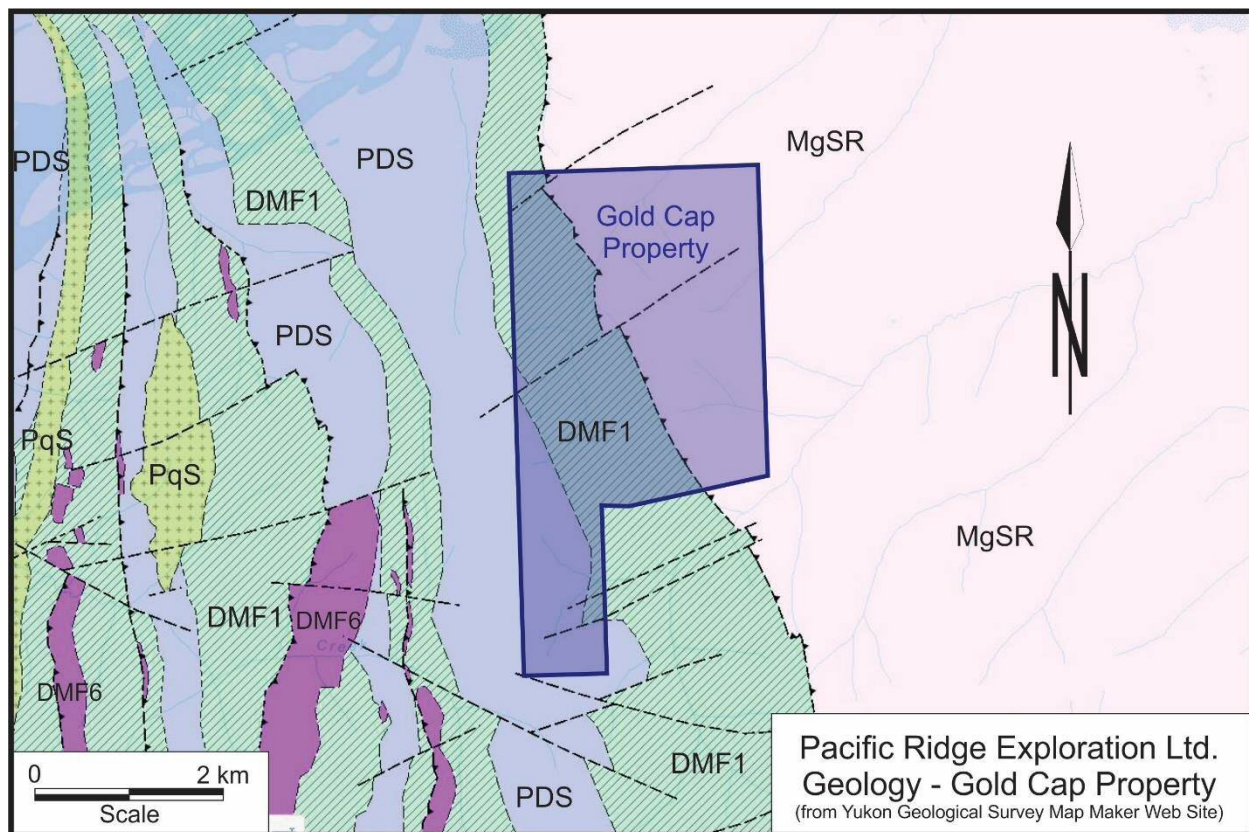


Figure 3. Gold Cap property geological setting (see text for lithology symbol explanations).

2018 FIELD PROGRAM

The 2018 field program focused on two areas of anomalous soil geochemistry identified in the 2009 and 2010 soil geochemical surveys carried out on the Property (see Figure 4).

Anomaly A lies in the south-central part of the Property along an interpreted ENE trending linear, approximately 7 km east of White Gold's Golden Saddle deposit (Carlson, 2018). It is defined by four gold values of 60, 127, 128 and 291 ppb, with a strong arsenic association that is much more widespread than the gold anomaly. The As values appear to cluster in an area of low magnetic field, surrounded by a weak magnetic high. The anomaly is also supported by anomalous Ba values, associated with the anomalous As mainly to the south of the gold values.

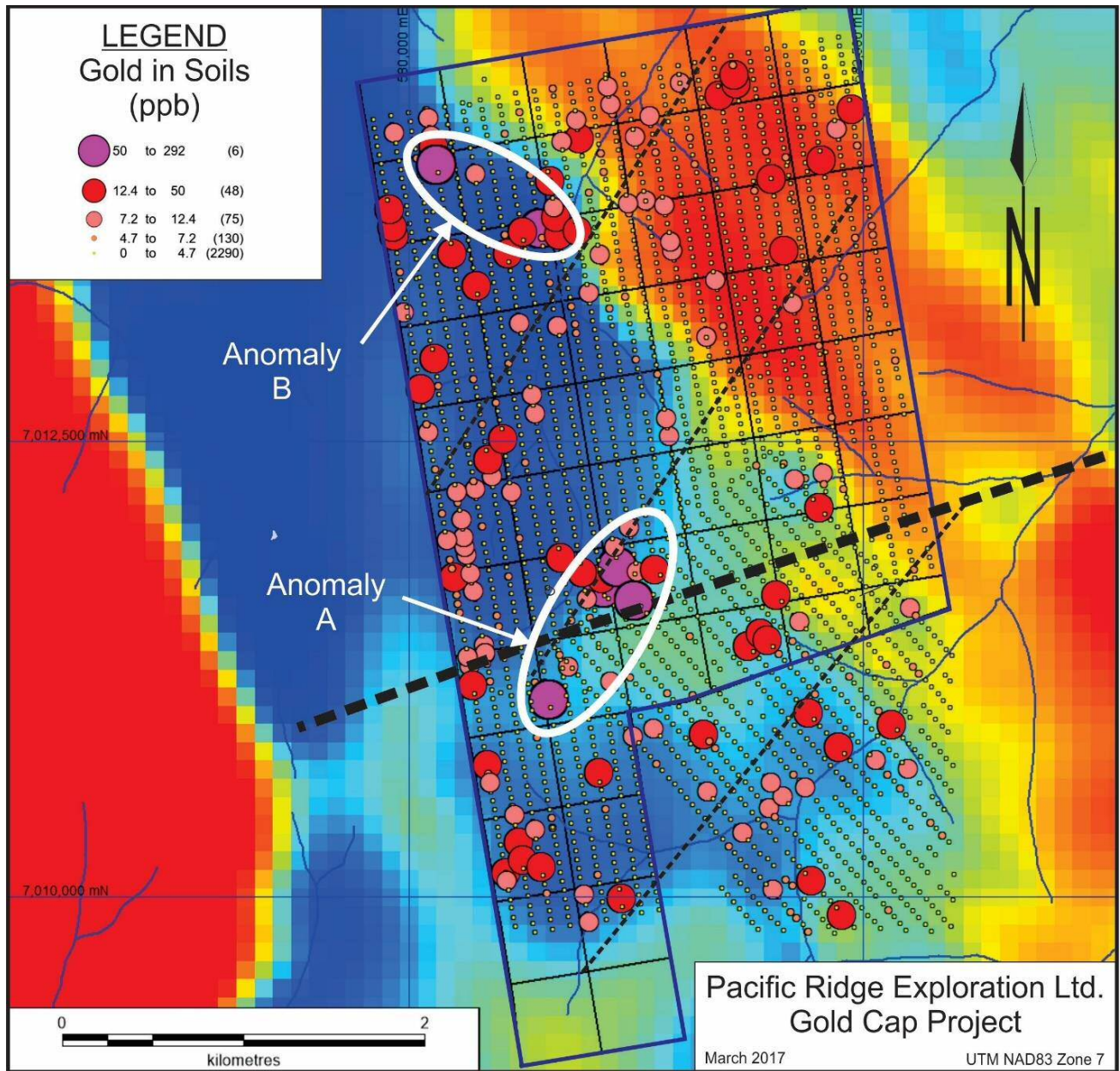


Figure 4. Gold Cap Property gold geochemistry and 2018 program target areas.

Anomaly B is defined by two strongly anomalous gold values of 66 and 217 ppb. However, there are no supporting anomalous arsenic values for this zone.

During the current program, prospecting and geologic mapping was carried out over both anomaly areas. In addition, Anomaly A was tested using Ground Truth's deep penetrating GT Probe soil sampler. Anomaly B was examined with a detailed infill soil grid. G. Carlson visited the Property to review the GT Probe sampling program on July 31, 2018.

Geological Mapping

Four man-days of mapping and prospecting were completed on the Property by Michael Cooley and Jean Pautler on July 17 and July 18, 2018. Cooley and Pautler's report is included here as Appendix II. Daily access to the Gold Cap property was from White Gold's Thistle camp, 18 km south of the

Property, utilizing an A-Star helicopter (FHQ) under contract to White Gold from Trans North Helicopters Ltd. Accommodation, meals and helicopter use were supplied by White Gold Corp.

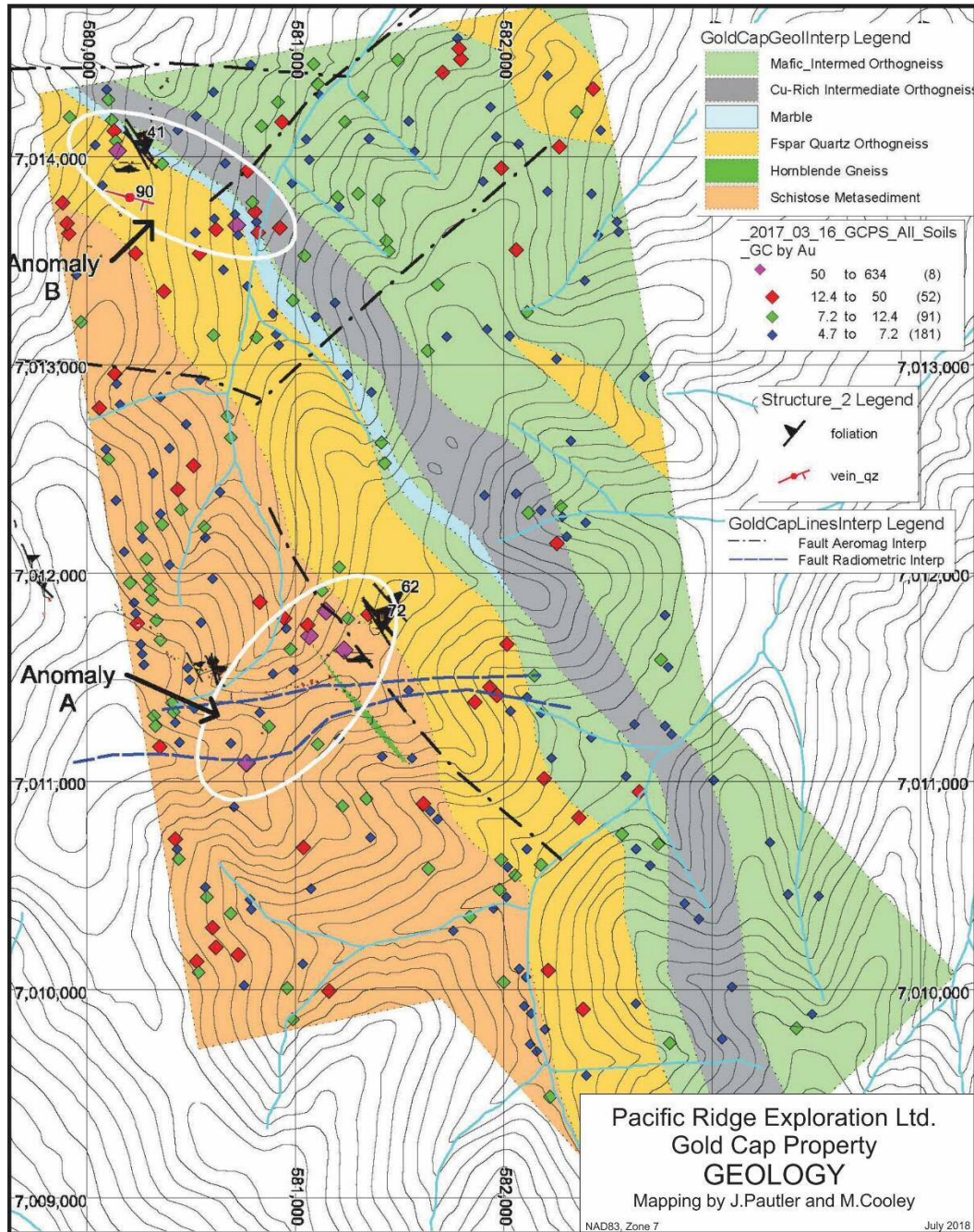


Figure 5. Gold Cap 2018 geologic mapping and interpretation.

The accompanying geologic map shown in Figure 5 was produced based on a combination of soil geochemistry, aeroradiometric data and minor ground-truthing around the Anomaly A and Anomaly B areas. Faults were interpreted using aeromagnetic 1VD data and radiometric data.

Property mapping in 2018 indicated that the western property area is underlain by northwest trending and moderately east dipping quartz mica \pm feldspar schist to gneiss, with a marble band in the central property area, of the Snowcap assemblage. A narrow band of hornblende gneiss, possibly a dyke related to the Finlayson assemblage occurs within soil anomaly A. The eastern property area is dominated by the Simpson Range intermediate to mafic metaplutonic suite with a more copper-

rich intermediate phase proximal to the central marble band. It is possible that this phase has intruded mafic metavolcanic rocks of the Finlayson assemblage. The probable contact area has been intruded by a 600m wide body of feldspar-quartz orthogneiss, with two small occurrences of the felsic orthogneiss further to the east.

The main host at the Golden Saddle deposit is the Sulphur Creek felsic orthogneiss, but the Simpson Range suite would also be a good competent host rock. The metasedimentary rocks of the Snowcap assemblage locally host mineralization at Golden Saddle. The common occurrence of quartz vein fragments in float and subcrop +/- pyrite near anomalous Au in soils implies that this is a narrow vein style target. A vein style target is also supported by a relative lack of alteration in adjacent bedrock subcrop and float.

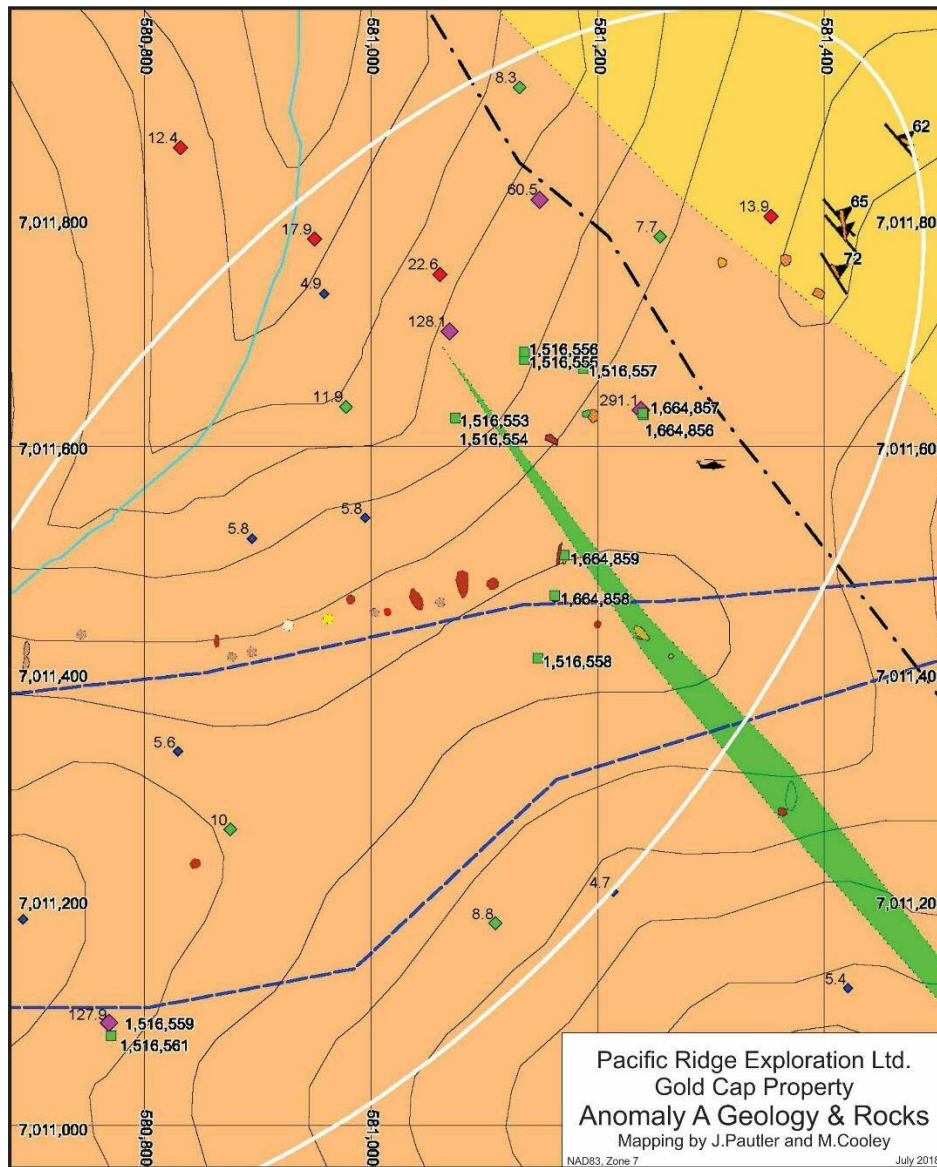


Figure 6. Anomaly A geology and rock samples (Figure 5 for legend).

The Anomaly A area mapping is shown in Figure 6. Soil sample numbers are shown as green squares. Twelve rock samples were dug from pits around soil anomalies (see Table 1). A lack of outcrop and subcrop at Anomaly A has made it difficult to determine the trend of mineralization. The apparent lack of widespread alteration in bedrock float samples suggests narrow gold vein style mineralization.

There is a high probability that the current soil data (50 x 100 metres spacing) has skipped over possible anomalies. Vein style mineralization is supported by the common occurrence of pyritic quartz vein float/subcrop observed while mapping and prospecting near most soil Au anomalies.

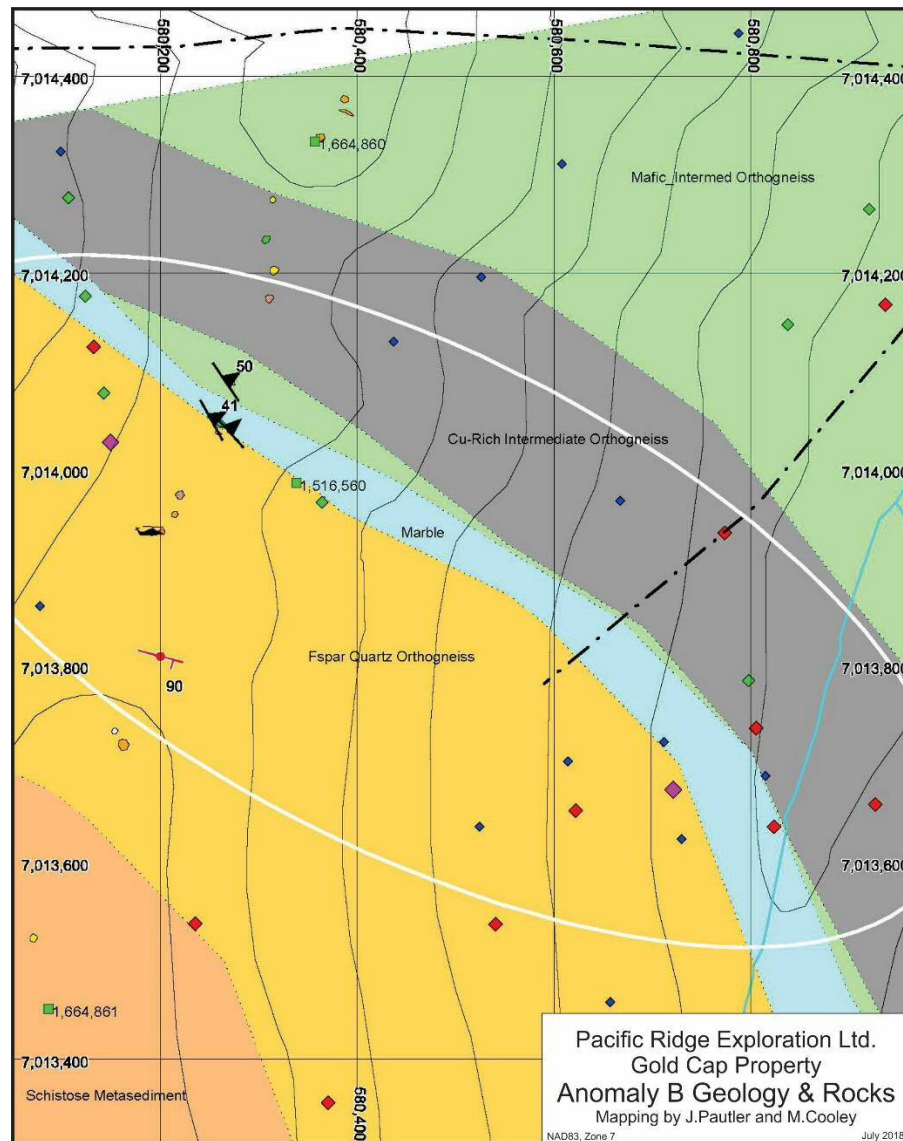


Figure 7. Anomaly B geology and rock samples (Figure 5 for legend).

Figure 7 shows the geologic map of Anomaly B area including three rock samples collected (see Table 1) relative to soil samples. Despite much digging around the high Au soil sites, no interesting rock samples were encountered because of deep overburden. Three samples were collected away from the soil sites during mapping.

Aside from two samples that are slightly anomalous in lead (1664856 – 223.6 ppm Pb – Anomaly A; 1516560 – 132.5 ppm Pb – Anomaly B), none of the collected rock samples were anomalous in precious or base metals or other gold pathfinder elements (see Appendix III for complete results).

Table 1. Rock sample locations and descriptions from Anomalies A and B.

SAMPLE	DATE	EASTING	NORTHING	TARGET	TYPE	GEOLOGY	ALTN	MINERALS	DESCRIPTION
1516553	17-Jul-18	581074	7011625	A	float	felsic orthogneiss	Kspar?	2% oxidized cubic pyrite	salmon coloured Kspar? altered possible felsic orthogneiss or felsic layer in gneiss cut by irregular almost drusy looking quartz veins, +/- carbonate weathered out, to 2 cm, minor jarosite, other fine clear quartz veinlets; above 128.1 ppb Au soil
1516554	17-Jul-18	581074	7011625	A	float	mafic orthogneiss			fine grained biotite (chlorite) more mafic orthogneiss - or more mafic layers- with 0.5-0.6 cm quartz veinlets with epidote, Kspar margins
1516555	17-Jul-18	581135	7011677	A	paleotalus	mafic orthogneiss	weak, patchy silicification	minor pyrite	mafic orthogneiss with strong thin crosscutting limonite fracture fillings and weak, patchy silicification, minor pyrite as cubes, some oxidized
1516556	17-Jul-18	581135	7011684	A	paleotalus	felsic orthogneiss layers	weak-moderate silicification	4% pyrite	felsic layers in orthogneiss with lots limonite fracture fillings and metallic silvery mineral (not spec), fine pyrite in host
1516557	17-Jul-18	581187	7011669	A	paleotalus	felsic orthogneiss	weak silicification	1% oxidized cubic pyrite	orthogneiss paleotalus with limonite-quartz fracture fillings with silicified margins, fine chlorite stringers
1516558	17-Jul-18	581147	7011413	A	subcrop	felsic orthogneiss	Kspar?	1% oxidized cubic pyrite	possible potassic (Kspar) altered felsic orthogneiss with 2 cm quartz vein with cubic and oxidized cubic pyrite along margins, limonite fracture fillings, some Mn
1516559	17-Jul-18	580771	7011080	A	subcrop	quartz vein			rusty well fractured to weakly brecciated quartz vein with minor limonite fractures and oxidized cubic pyrite near N-S break in slope and more easterly gully, under windfall near 127.9 ppb Au in soil
1516560	18-Jul-18	580338	7013986	B	subcrop	biotite-quartz-feldspar schist		1% oxidized cubic pyrite	biotite-quartz-feldspar schist or sheared? orthogneiss with quartz and quartz-limonite fracture fillings with adjoining silicification and 1% oxidized cubic pyrite
1516561	17-Jul-18	580771	7011080	A	subcrop	felsic orthogneiss	moderate silicification, sericite	3% oxidized cubic pyrite	moderately silicified and sericite altered felsic orthogneiss with 3% oxidized cubic pyrite, under winfall
1664856	17-Jul-18	581240.47	7011628.15	A	subcrop	qz_vein_hydrothermal	tremolite	Pyrite	bull quartz, wkly foliated late metamorphic, actinolite alt halo. Spots + clots of Fe oxides after pyrite?
1664857	17-Jul-18	581239.61	7011629.49	A	subcrop	qz_vein_hydrothermal		graphite	black veinlets cutting white quartz vein. Graphite? specular hematite? tourmaline?
1664858	17-Jul-18	581162.53	7011468.18	A	float	g_bt_qz_fspar_gneiss	sericite	Pyrite	limonite stained throughout gneiss w/ sericite altered mafics, 5 mm qz vein w/ rare pyrite along margin. Traces dissem cubic pyrite in host rock. Float boulder 30 cm in trail.
1664859	17-Jul-18	581170.94	7011503.56	A	float	g_bt_fspar_qz_orthogneiss	biotite	Pyrite	coarse pyrite on vein surface with quartz + biotite
1664860	18-Jul-18	580356.78	7014333.17	B	Subcrop	qz_vein_hydrothermal		Specularite	<1 metre boulder + pieces fractured white quartz vein w/ specular hematite veins, pyrite patches in quartz vein. limonite stained fractures
1664861	18-Jul-18	580085.68	7013451.42	B	Subcrop	g_bt_fspar_qz_orthogneiss	Sericite	Pyrite	Altered felsic gneiss, limonite stained fractures, oxide crusts after pyrite?

Soil Geochemistry

The soil sampling was completed in one day, September 3, by a five-sampler team under contract from Ground Truth, collecting 163 samples. The crew was mobilized from White Gold's nearby Black Fox property.

Sampling Method and Approach

Soil surveys are typically conducted by crews of 5 samplers, one of which is the Crew Boss who oversees the survey. The Crew Boss is responsible for coordinating safe and efficient operation of survey and ensuring survey is conducted as planned. All samplers run solo traverses proximal to each other so that radio contact with other crew members can be maintained.

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 the 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 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 device 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.

Sample Preparation and Analysis

Once received in the lab, soil samples are prepared using the SS80 method. Samples are dried at 60 degrees Celsius and sieved such that up to 100 grams of material passes 180 microns (80 mesh). The samples are then analyzed by the AQ201+U method which involves dissolving 15 grams of material in a hot Aqua Regia solution and determining the concentration of 37 elements of the resulting analyte by the ICP-MS technique. Summary geochemical results are included in Appendix IV and geochemical certificates in Appendix V.

Soil Sample Results

The sample locations are shown in Figure 8, below. Bubble plots for gold, arsenic, bismuth, antimony, copper and barium are shown in Figures 9 to 14, overlain on the Anomaly B geology. These plots include the 2018 soil grid plus soils within the grid area collected in 2009 and 2010. Threshold values used for the bubble plots include the 98th, 95th, 90th and 70th percentile levels as calculated from all soil data on the property.

Table 2. Threshold values for bubble plots.

	Au-ppb	As-ppm	Bi-ppm	Sb-ppm	Cu-ppm	Ba-ppm
Maximum	456.1	48.6	0.8	1.1	289.7	1344.0
98th Pctl	25.4	10.2	0.4	0.7	186.3	886.3
95th Pctl	9.9	9.1	0.3	0.6	110.6	735.6
90th Pctl	6.7	8.4	0.3	0.5	83.4	609.5
70th Pctl	3.9	6.9	0.2	0.4	44.8	432.9
Minimum	0.2	0.9	0.1	0.1	11.7	125.0

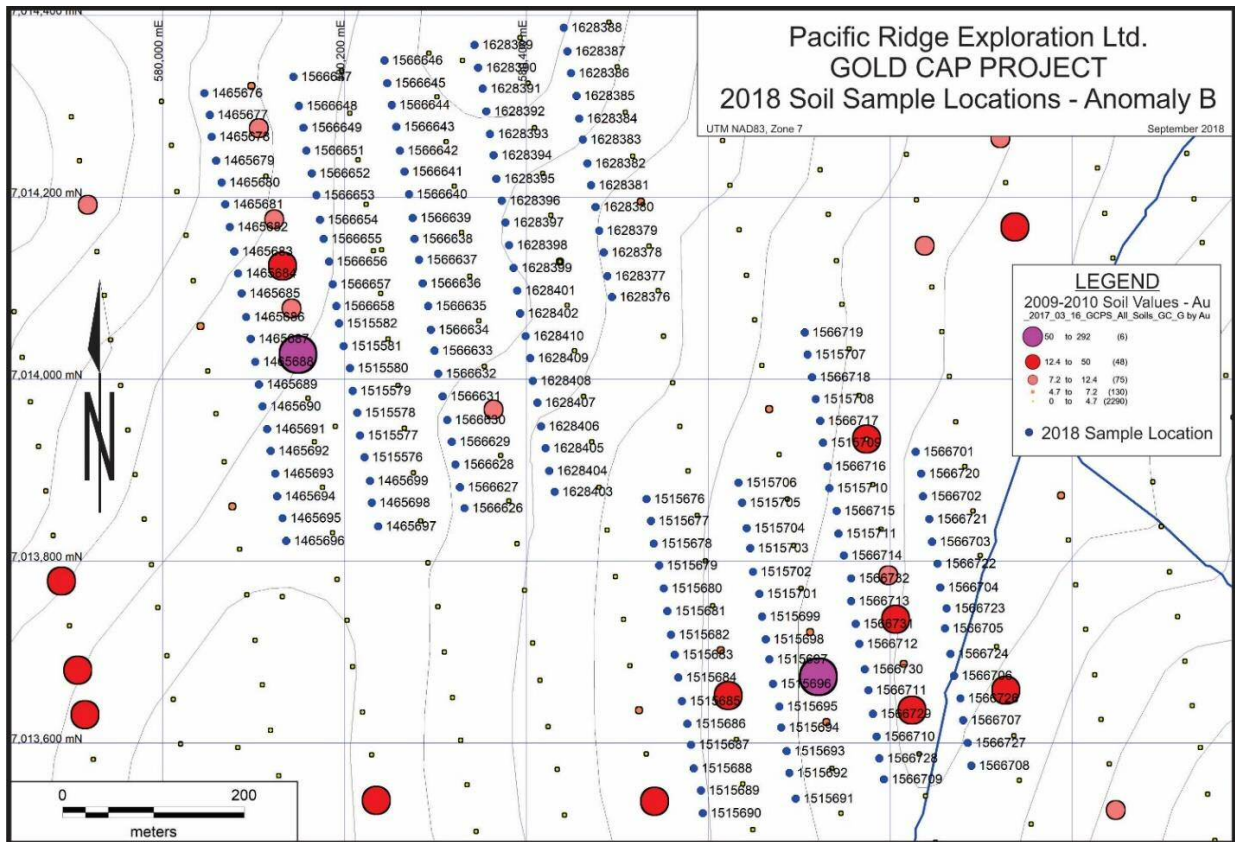


Figure 8. Anomaly B – Soils locations and numbers.

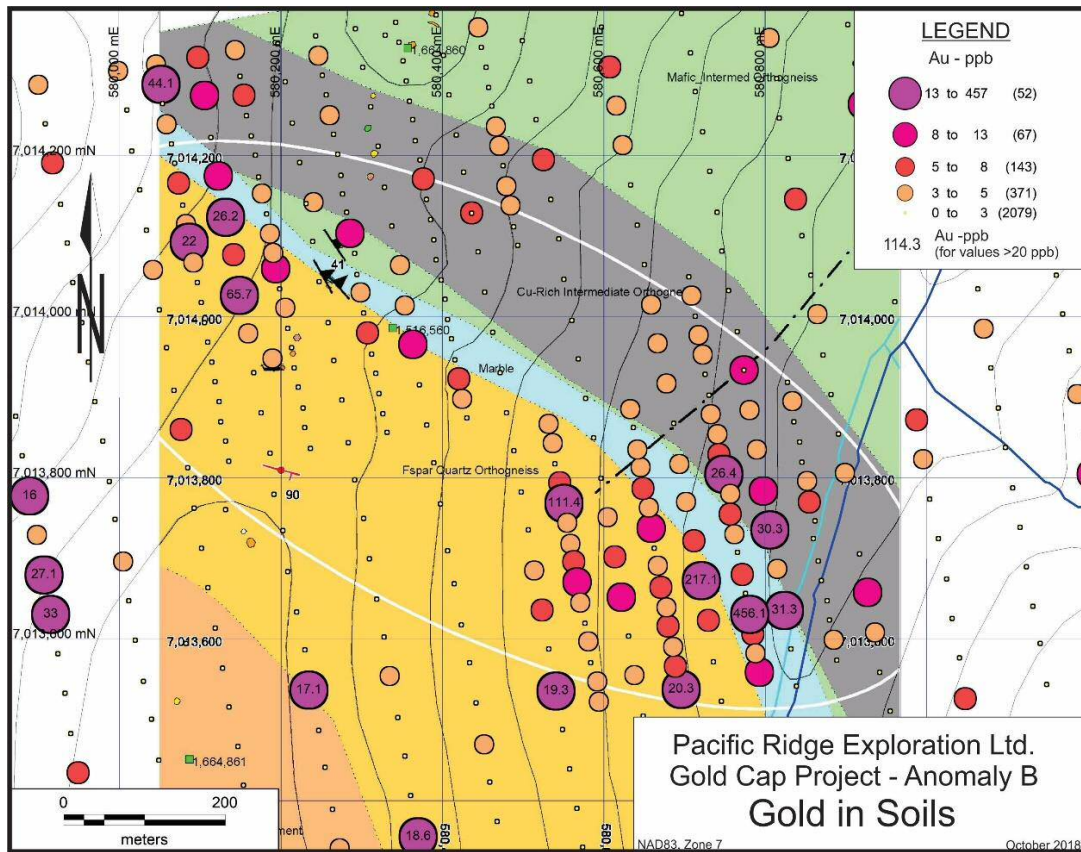


Figure 9. Anomaly B – Gold in soils.

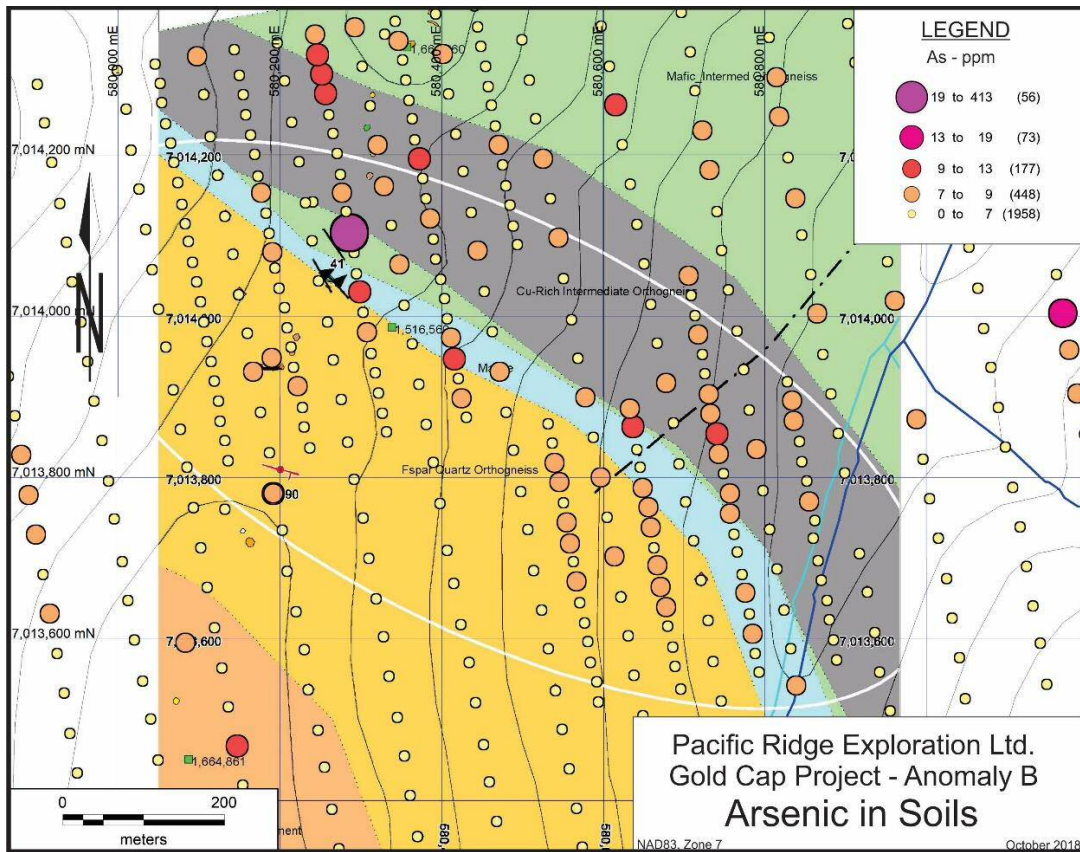


Figure 10. Anomaly B – Arsenic in soils.

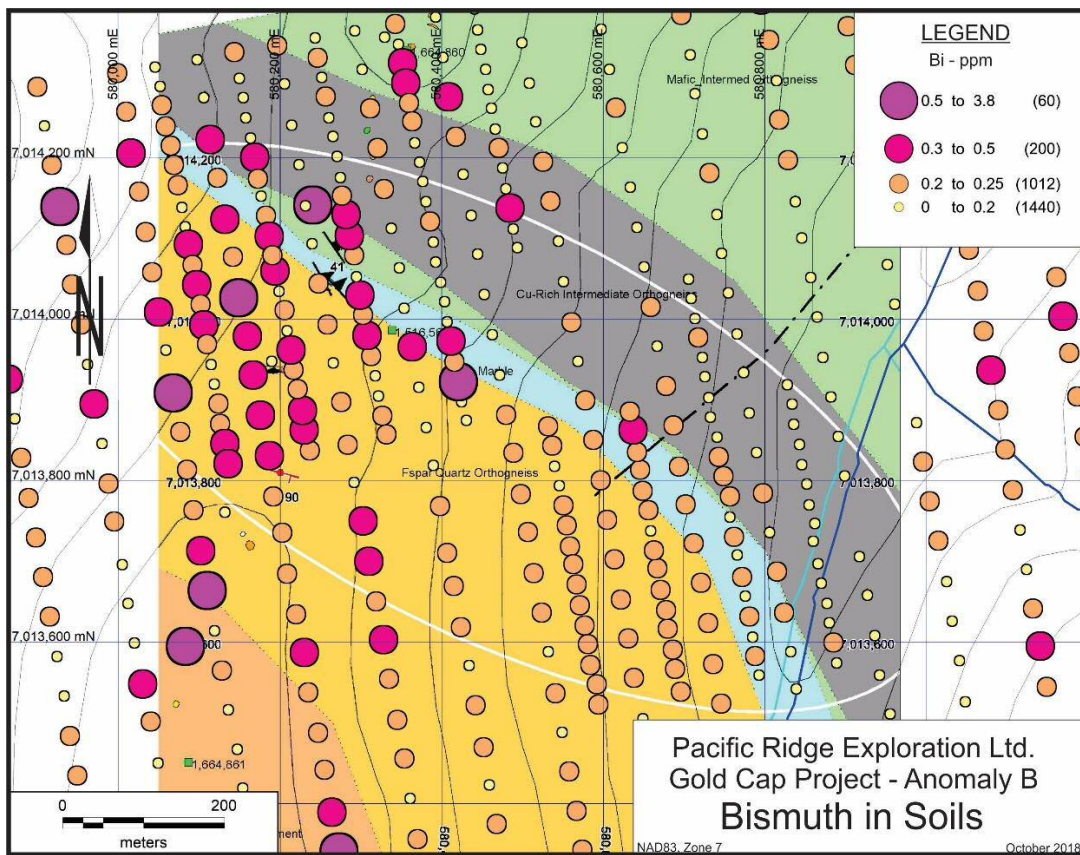


Figure 11. Anomaly B – Bismuth in soils.

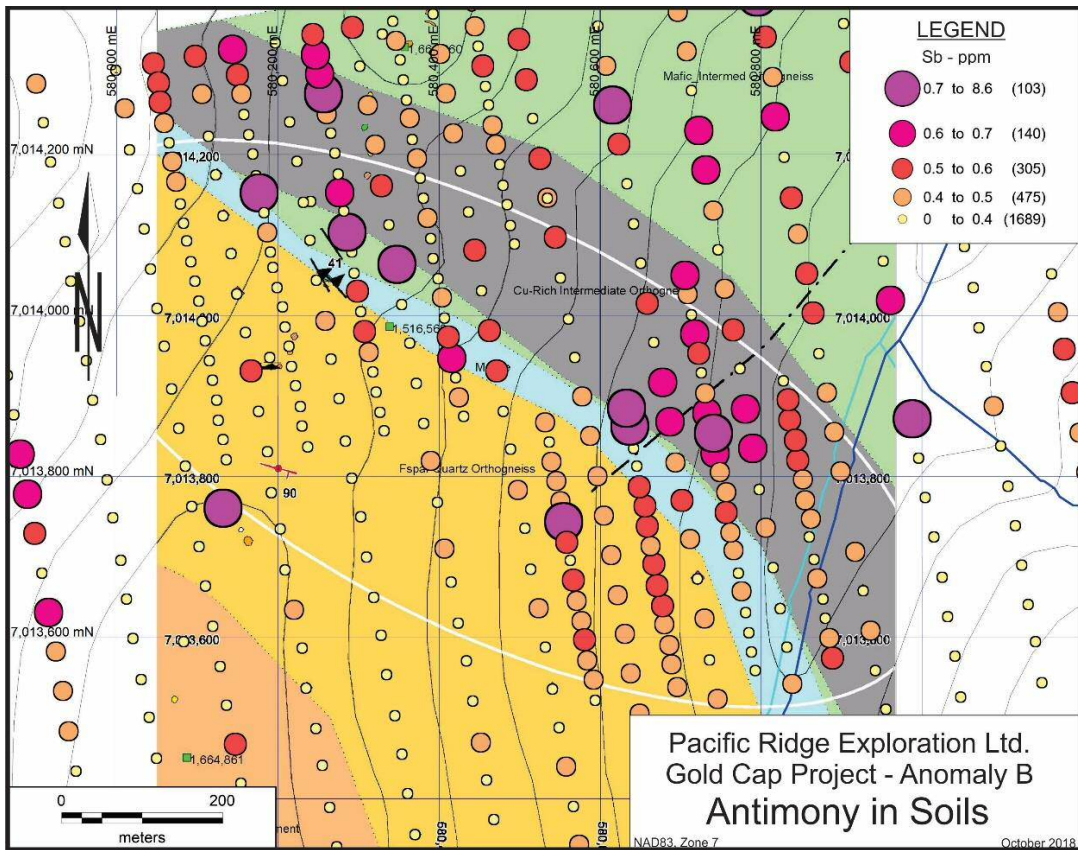


Figure 12. Anomaly B – Antimony in soils.

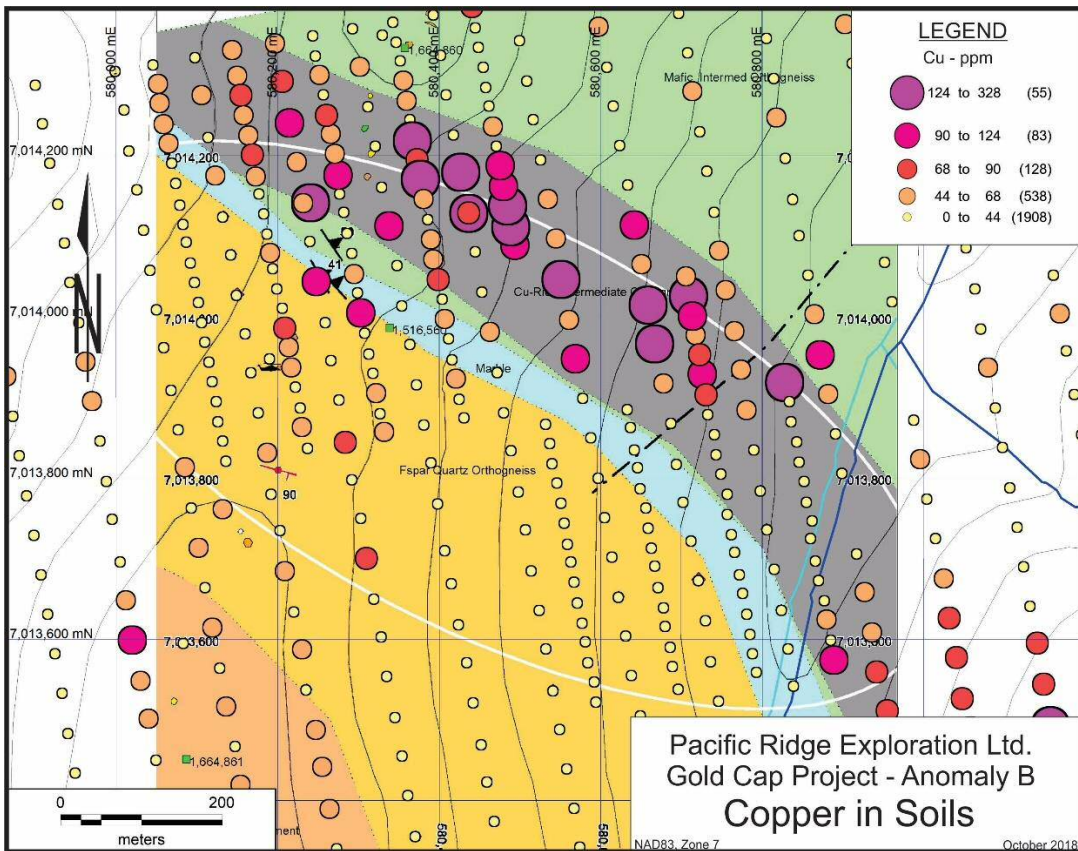


Figure 13. Anomaly B – Copper in soils.

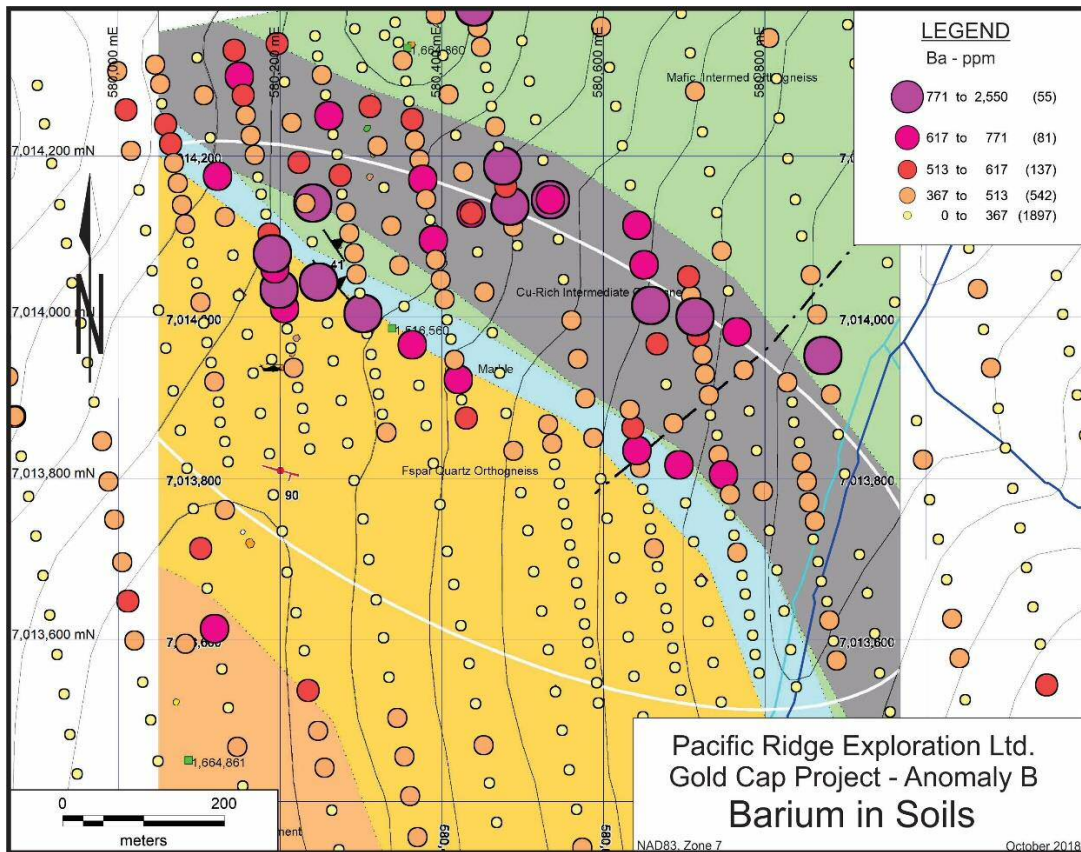


Figure 14. Anomaly B – Barium in soils.

Anomaly B shows a moderate to strong, northwest trending gold soil anomaly (Figure 8), with several 98th percentile samples to a maximum of 458.1 ppb. The anomaly appears to be within the feldspar-quartz orthogneiss (orange-yellow unit) near its contact with the marble unit. The anomaly is somewhat dispersed, likely due to downslope movement. The thickness of the overburden in this area is unknown, but there are no outcrops in the immediate vicinity of the anomaly. The gold anomaly is supported by a weak arsenic signature (Figure 10), a weak bismuth signature, in particular at the northwest end (Figure 11) and a very weak antimony signature (Figure 12). Anomalous barium values correlate partially with the northwest end of the gold anomaly (Figure 14).

The intermediate orthogneiss (grey unit) is anomalous in copper and barium (Figures 13 & 14), with locally anomalous antimony. These anomalous values form a trend parallel to the gold anomaly, offset 100 to 200 m to the northeast of the gold trend, with local overlap.

Structure is important for gold mineralization in the White Gold district. The only structure mapped by Cooley and Pautler (2018) in the Anomaly B area is a northeast trending fault. This fault appears to truncate the north or up-slope edge of the southeastern portion of the gold anomaly, suggesting a possible gold source associated with that structure.

GT Probe Survey

The sampling was carried out by Ground Truth Exploration of Dawson City. A three-person crew, GT Probe and fly camp was mobilized to the property on July 29 from White Gold's nearby Black Fox property. The crew completed 9 days of sampling, with one weather day, and was demobilized from the property on August 9 to White Gold's nearby JPR property, collecting 368 samples.

Sampling Method and Approach

The GeoProbe is a heliportable, track mounted, hydraulically powered hammer drill with capabilities of taking substrate samples from the lower C-horizon/bedrock interface. Lines were laid over areas of interest with samples collected every 5m along the line. Samples were taken as deeply as possible, with sample depths typically between 1 – 2m depth. The lower +/-20cm of C-horizon material was collected for analysis and representative rock chip samples were collected from each interval. Samples were analyzed by an XRF analyzer each evening to quickly identify path finder elements.

Samples were collected in 12 by 17 poly ore bags. Each bag was labelled with a unique 7-digit number and a tag bearing the same number was also inserted in the bag. Each sample site was marked with a similar tag tied by flagging tape to a nearby tree or bush. Samples were then collected in rice bags labelled with the hole number and sample sequence and each rice bag was sealed with uniquely numbered rice bag. The samples were then taken by GroundTruth personnel to the Ground Facility in Dawson City and then delivered to the Bureau Veritas Preparation facility in Whitehorse, Yukon. Pulp samples were prepared in Whitehorse and then sent the BV facility in Vancouver for analysis.

Sample Preparation and Analysis

Samples were prepared using the PRP70-250 method which involves crushing the material to 2 mm and then splitting off and pulverizing up to 250 grams to 75 microns. The resulting pulp was analyzed by the AQ200 method, which involves dissolving 0.5 of material in a hot Aqua Regia solution and determining the concentration of 36 elements of the resulting analyte by the ICP-MS technique.

Summary geochemical results are included in Appendix VI and geochemical certificates in Appendix VII.

GT Probe Results

The GT Probe survey results for gold are shown in Figure 15 (circle bubble plots) along with the previous gold soil results (square bubble plots), while results for arsenic, bismuth and antimony are shown in Figures 16 to 18. Sampling was carried out at 5 m spacings along an approximate 1,500 m line on the ridgeline through Anomaly A, with three shorter crosslines. The line orientation assumed that any gold mineralized structure would likely cross the ridgeline at some point, whether oriented east-west or northwesterly. Summary Probe results for Au and possible associated pathfinder elements are tabled in Appendix VI, with analytical certificates in Appendix VII.

The Probe survey identified two anomalous gold zones – A1 and A2. Anomaly A includes two adjacent samples of 54 and 268 ppb Au. Anomaly B includes values ranging from <50 ppb to 104 ppb over 100 m.

Two additional and adjacent zones A3 and A4, are defined by anomalous gold pathfinder metals As, Bi and Sb, but gold values here are not elevated.

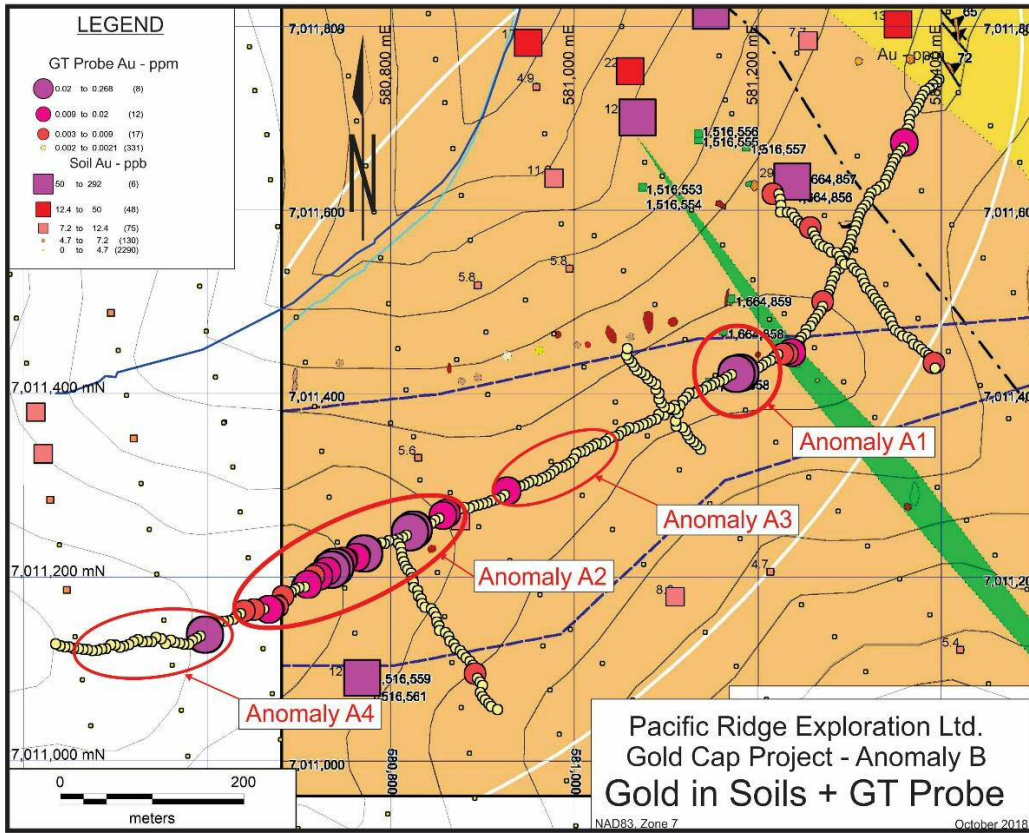


Figure 15. GT Probe survey results – gold, shown with gold soil results (squares).

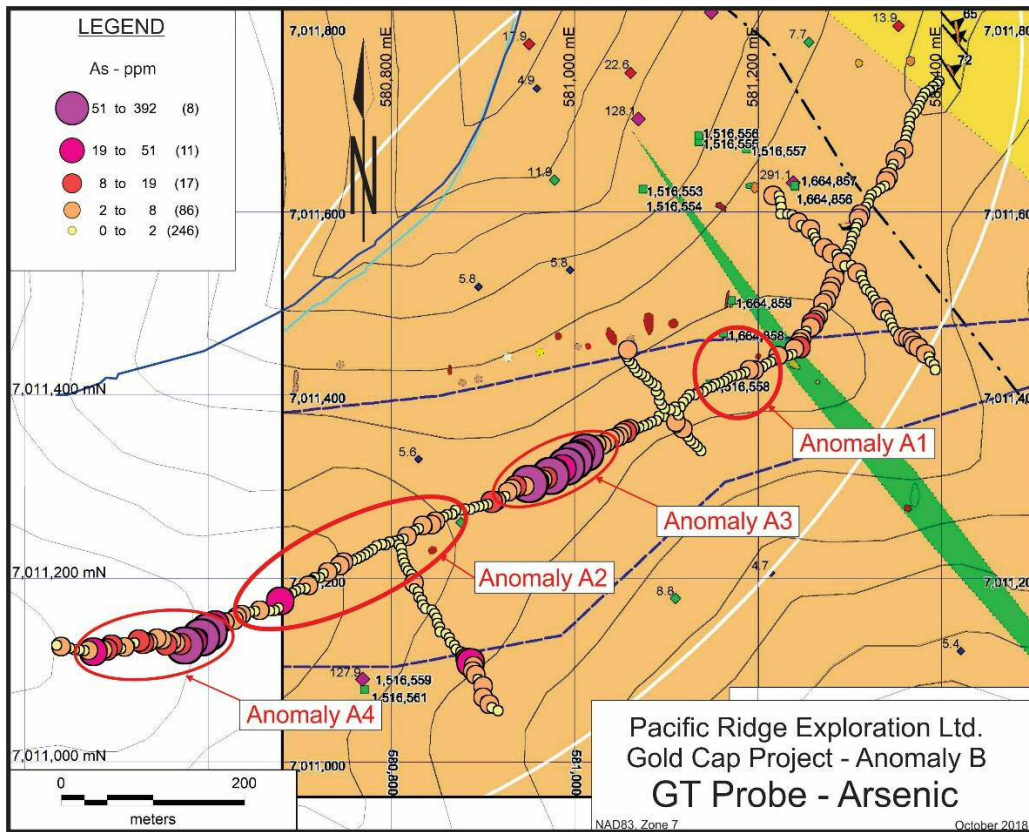


Figure 16. GT Probe results – arsenic.

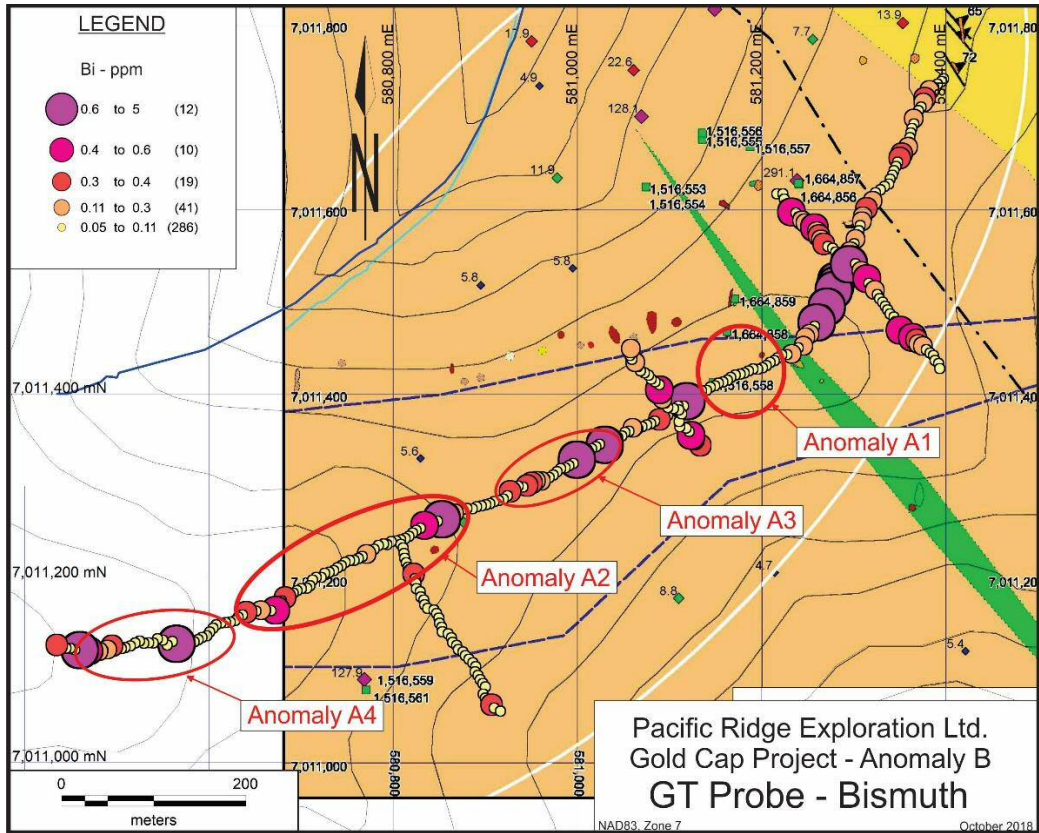


Figure 17. GT Probe results – bismuth.

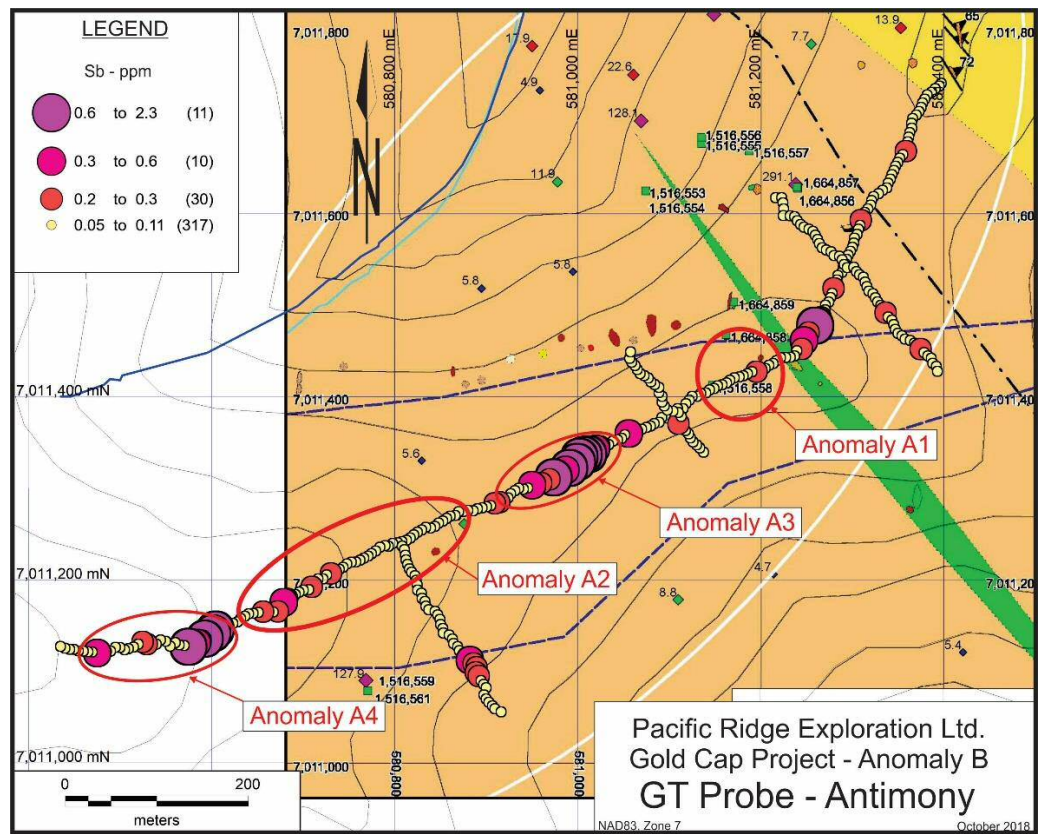


Figure 18. GT Probe results – antimony.

CONCLUSIONS

Pacific Ridge was attracted to the Gold Cap area in 2009 because of indications of a similar geological environment to Underworld's adjacent White Gold discovery. As well, the area was proximal to an anomalous Regional Geological Survey (RGS) silt sample that returned 49 ppb Au. Pacific Ridge staked the Gold Cap claims flanked to the west by Underworld Resources and to the east by Ryanwood's Polar Stewart claims. In 2009 and 2010 Pacific Ridge completed two soil surveys that covered most of the property on a 100 m by 50 m grid. No work was carried out on Gold Cap during the 2011 through 2017 exploration seasons.

The soil surveys defined two anomalies. Anomaly A is defined by four anomalous gold values of 60, 127, 128 and 291 ppb, with a strong arsenic association that is much more widespread than the gold anomaly. The anomaly is also supported by anomalous Ba. Anomaly B is defined by two strongly anomalous gold values of 66 and 217 ppb, but with no supporting pathfinder metals.

During the current program, prospecting and geologic mapping was carried out over both anomaly areas. In addition, Anomaly A was tested using Ground Truth's deep penetrating GT Probe soil sampler, with the collection of xx samples over xx days, while anomaly B was examined with a detailed infill soil grid including xx samples. Mapping was completed by geologists Mike Cooley and Jean Pautler, while GT Probe sampling and soil sampling was completed by Ground Truth Exploration.

The mapping program indicated that the area of the two gold anomalies is underlain by northwest trending and moderately east dipping quartz mica \pm feldspar schist to gneiss, with a marble band in the central property area, of the Snowcap assemblage, and a 600m wide body of feldspar-quartz orthogneiss. These are favourable hosts for gold mineralization. Prospecting encountered many samples of quartz vein float, some mineralized with pyrite and locally arsenopyrite and galena. However, none of the samples were anomalous in gold.

The Anomaly B shows a moderate to strong, northwest trending gold soil anomaly to a maximum of 458.1 ppb Au. The anomaly is underlain the feldspar-quartz orthogneiss near its contact with the marble unit. The gold anomaly is supported by a weak arsenic signature, a weak bismuth signature and a very weak antimony signature. The anomaly may be related to a mapped north-east trending structure.

The GT Probe survey over Anomaly A identified two anomalous zones. Anomaly A1 includes two adjacent samples of 54 and 268 ppb Au. Anomaly A2 includes values ranging from <50 ppb to 104 ppb over 100 m. Two adjacent zones A3 and A4, are defined by anomalous gold pathfinder metals As, Bi and Sb, but gold values here are not elevated.

RECOMMENDATIONS

Further detailed prospecting, sampling and hand trenching is required over the newly defined anomalies to detect any related gold mineralization in bedrock.

PROJECT EXPENDITURES

Table 3. Project Expenditures

Company	Description	Amount
Ground Truth Exploration	GT Probe sampling	\$39,516.95
Ground Truth Exploration	Soil sampling	\$12,499.83
G. Carlson - 1 day @ \$800/day	Field supervision	\$800.00
Trans North Helicopters	Helicopter support	\$3,294.27
Bureau Veritas	Analytical - Rocks	\$1,574.58
Bureau Veritas	Analytical - Probe samples	\$14,706.26
G. Carlson - 4 days @ \$800/day	Report Preparation	\$3,200.00
TOTAL		\$75,591.89

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Weiershäuser, Lars, Marek Nowak and Wayne Barnett, 2010, Technical Report on the White Gold Property, Dawson Range, Yukon, Canada.

Zuran, Rick J., 2005A, Geochemistry on the Steward 1-32 Claims, AR094558.

Appendix I

GOLD CAP PROPERTY CLAIMS LIST

Gold Cap Project Claims List

Grant No.	Name	No.	Owner	Expiry	NTS
YC94345	Gold Cap	1	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94346	Gold Cap	2	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94347	Gold Cap	3	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94348	Gold Cap	4	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94349	Gold Cap	5	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94350	Gold Cap	6	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94351	Gold Cap	7	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94352	Gold Cap	8	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94353	Gold Cap	9	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94354	Gold Cap	10	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94355	Gold Cap	11	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94356	Gold Cap	12	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94357	Gold Cap	13	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94358	Gold Cap	14	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94359	Gold Cap	15	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94360	Gold Cap	16	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94361	Gold Cap	17	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94362	Gold Cap	18	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94363	Gold Cap	19	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94364	Gold Cap	20	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94365	Gold Cap	21	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94366	Gold Cap	22	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94367	Gold Cap	23	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94368	Gold Cap	24	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94369	Gold Cap	25	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94370	Gold Cap	26	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94371	Gold Cap	27	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94372	Gold Cap	28	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94373	Gold Cap	29	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94374	Gold Cap	30	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94375	Gold Cap	31	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94376	Gold Cap	32	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94377	Gold Cap	33	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94378	Gold Cap	34	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94379	Gold Cap	35	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94380	Gold Cap	36	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94381	Gold Cap	37	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94382	Gold Cap	38	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94383	Gold Cap	39	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94384	Gold Cap	40	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
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YC94386	Gold Cap	42	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003

YC94387	Gold Cap	43	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94388	Gold Cap	44	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94389	Gold Cap	45	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94390	Gold Cap	46	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94391	Gold Cap	47	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94392	Gold Cap	48	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94393	Gold Cap	49	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94394	Gold Cap	50	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94395	Gold Cap	51	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94396	Gold Cap	52	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94397	Gold Cap	53	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94398	Gold Cap	54	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94399	Gold Cap	55	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003
YC94400	Gold Cap	56	Pacific Ridge Exploration Ltd. -	December 4, 2018	115003

Appendix II

GEOLOGY MEMO – COOLEY AND PAUTLER

Preliminary Geologic Map of the Gold Cap property and general observations made while mapping and prospecting Anomaly A and Anomaly B.

For

Pacific Ridge Exploration Ltd., White Gold Corp.

And Ground Truth Exploration

by

Mike Cooley and Jean Pautler

July 19, 2018

Summary

The common occurrence of quartz vein fragments in float and and subcrop +/- pyrite near anomalous Au in soils implies that this is a narrow vein style target. A vein style target is also supported by a relative lack of alteration in adjacent bedrock subcrop and float.

Limited exposures have prevented us from determining the orientation of mineralization, so additional follow-up work should include infill soils to resolve the orientation of mineralization at the Gold Cap project.

Introduction

The anomaly A and Anomaly B target areas of the Gold Cap property were visited briefly during the period July 17 and 18.

The following geologic map shown in Figure 1 was produced based on a combination of soil geochemistry, aeroradiometric data and minor ground-truthing around the Anomaly A and Anomaly B areas. Faults were interpreted using aeromagnetic 1VD data and radiometric data.

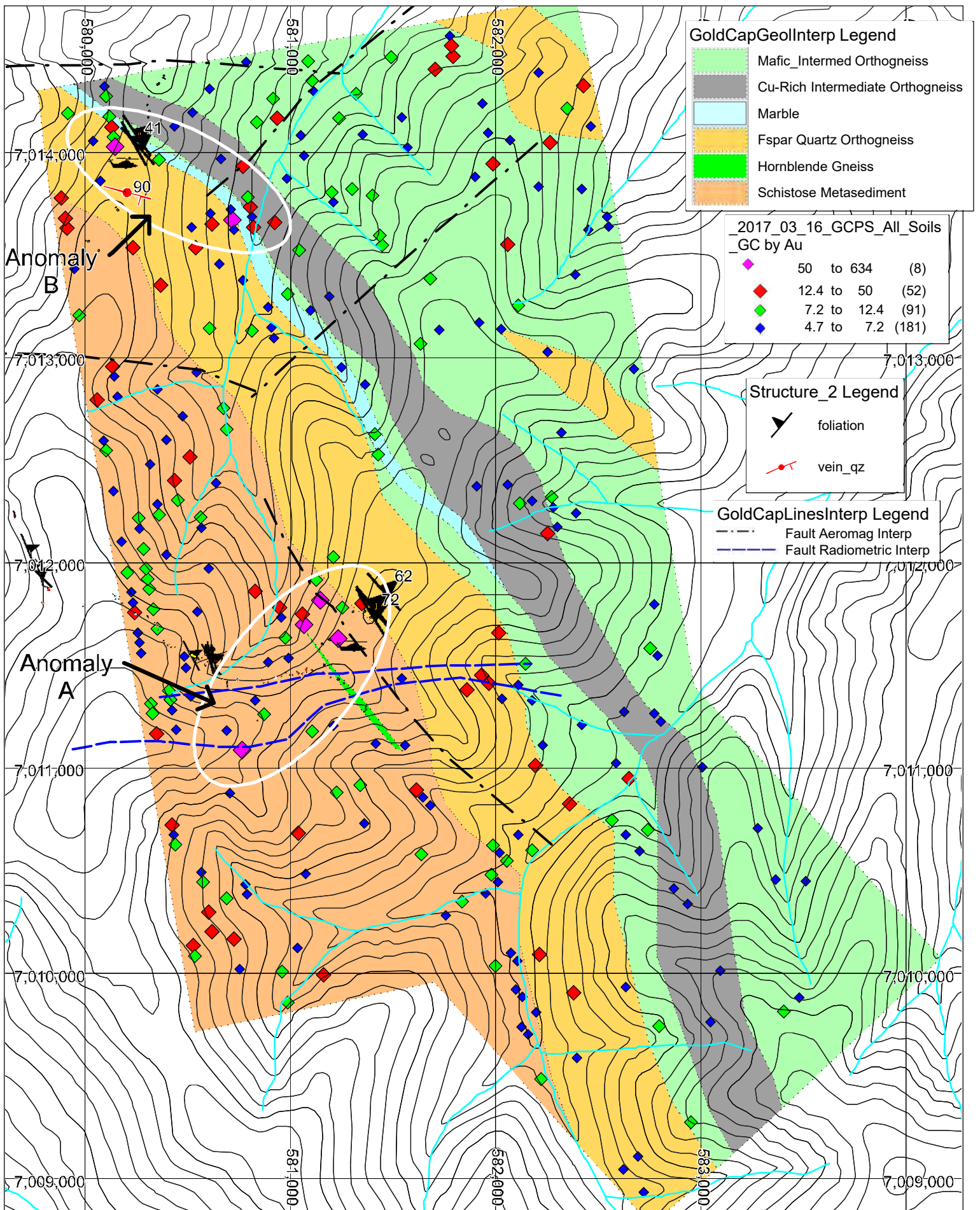


Figure 1. Geologic map of the Gold Cap project area based on soil geochemistry, aeroradiometric data and minor ground truthing around two Au soil anomaly areas. Faults were interpreted using aeromagnetic 1VD data and radiometric data.

Anomaly A area

The Anomaly A area was mapped and prospected on July 17. Soil sample numbers are shown as green squares on the map in Figure 2. Sample descriptions are summarized in Table 1 below. Rock samples were dug from pits around soil anomalies.

Table 1. Prospecting samples collected from the Gold Cap project. White rows are from the Anomaly A area and the grey rows are from Anomaly B.

SAMPLE	DATE	EASTING	NORTHING	Elev(m)	TYPE	GEOLOGY	ALTN	MINERALS	DESCRIPTION
1516553	17-Jul-18	581074	7011625	854	float	felsic orthogneiss	Kspar?	2% oxidized cubic pyrite	salmon coloured Kspar? altered possible felsic orthogneiss or felsic layer in gneiss cut by irregular almost drusy looking quartz veins, +/- carbonate weathered out, to 2 cm, minor jarosite, other fine clear quartz veinlets; above 128.1 ppb Au soil
1516554	17-Jul-18	581074	7011625	854	float	mafic orthogneiss			fine grained biotite (chlorite) more mafic orthogneiss - or more mafic layers - with 0.5-0.6 cm quartz veinlets with epidote, Kspar margins
1516555	17-Jul-18	581135	7011677	850	paleotalus	mafic orthogneiss	weak, patchy silicification	minor pyrite	mafic orthogneiss with strong thin crosscutting limonite fracture fillings and weak, patchy silicification, minor pyrite as cubes, some oxidized
1516556	17-Jul-18	581135	7011684	840	paleotalus	felsic orthogneiss layers	weak-moderate silicification	4% pyrite	felsic layers in orthogneiss with lots limonite fracture fillings and metallic silvery mineral (not spec), fine pyrite in host
1516557	17-Jul-18	581187	7011669	863	paleotalus	felsic orthogneiss	weak silicification	1% oxidized cubic pyrite	orthogneiss paleotalus with limonite-quartz fracture fillings with silicified margins, fine chlorite stringers
1516558	17-Jul-18	581147	7011413	926	subcrop	felsic orthogneiss	Kspar?	1% oxidized cubic pyrite	possible potassic (Kspar) altered felsic orthogneiss with 2 cm quartz vein with cubic and oxidized cubic pyrite along margins, limonite fracture fillings, some Mn
1516559	17-Jul-18	580771	7011080	956	subcrop	quartz vein			rusty well fractured to weakly brecciated quartz vein with minor limonite fractures and oxidized cubic pyrite near N-S break in slope and more easterly gully, under windfall near 127.9 ppb Au in soil
1516560	18-Jul-18	580338	7013986	738	subcrop	biotite-quartz-feldspar schist		1% oxidized cubic pyrite	biotite-quartz-feldspar schist or sheared? orthogneiss with quartz and quartz-limonite fracture fillings with adjoining silicification and 1% oxidized cubic pyrite
1516561	17-Jul-18	580771	7011080	956	subcrop	felsic orthogneiss	moderate silicification, sericite	3% oxidized cubic pyrite	moderately silicified and sericite altered felsic orthogneiss with 3% oxidized cubic pyrite, under winfall
1664856	20180717	581240.5	7011628.2		subcrop	qz_vein_hydrothermal	tremolite	Pyrite	bull quartz, wky foliated late metamorphic, actinolite alt halo. Spots + clots of Fe oxides after pyrite?
1664857	20180717	581239.6	7011629.5		subcrop	qz_vein_hydrothermal		graphite	black veinlets cutting white quartz vein. Graphite? specular hematite? tourmaline?
1664858					float	g_bt_qz_fspar_gneiss	sericite		limonite stained throughout gneiss w/ sericite altered mafics, 5 mm qz vein w/ rare pyrite along margin. Traces dissem cubic pyrite in host rock. Float boulder 30 cm in trail.
1664859	20180717	581170.9	7011503.6		float	g_bt_fspar_qz_orthogneiss	biotite	Pyrite	coarse pyrite on vein surface with quartz + biotite
1664860	20180718	580356.8	7014333.2		Subcrop	qz_vein_hydrothermal		Specularite	<1 metre boulder + pieces fractured white quartz vein w/ specular hematite veins, pyrite patches in quartz vein. limonite stained fractures
1664861	20180718	580085.7	7013451.4		Subcrop	g_bt_fspar_qz_orthogneiss	Sericite	Pyrite	Altered felsic gneiss, limonite stained fractures, oxide crusts after pyrite?

General Observations;

A lack of outcrop and subcrop at Anomaly A has made it difficult to determine the trend of mineralization. The apparent lack of widespread alteration in bedrock float samples suggests the Gold Cap project is a narrow gold system ie: vein style mineralization. There is a high probability that the current soil data (50 x 100 metres spacing) has skipped over possible anomalies therefore detailed follow-up soil grids are highly recommended.

Vein style mineralization is supported by the common occurrence of quartz veins with pyrite that were observed while mapping and prospecting near most soil Au anomalies.

The Radiometric low that occurs in the drainage down slope to the northwest of Anomaly A suggests deeply buried bedrock, so the soils may be transported here (Figure 3).

Photos of a few of the more interesting samples prospected from the Anomaly A area are included below;

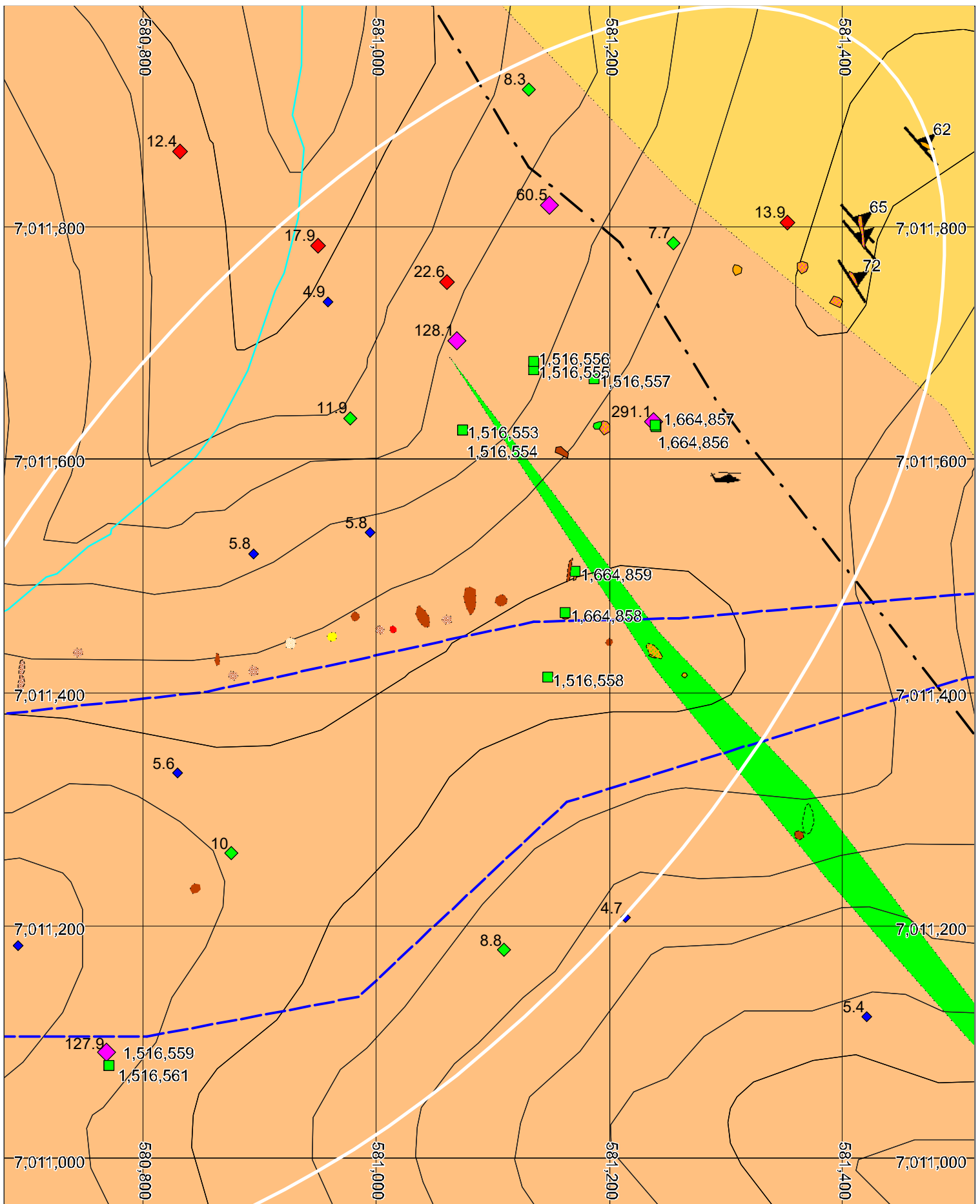


Figure 2. Geologic map of Anomaly A showing sample locations. Sample descriptions are in Table 1.

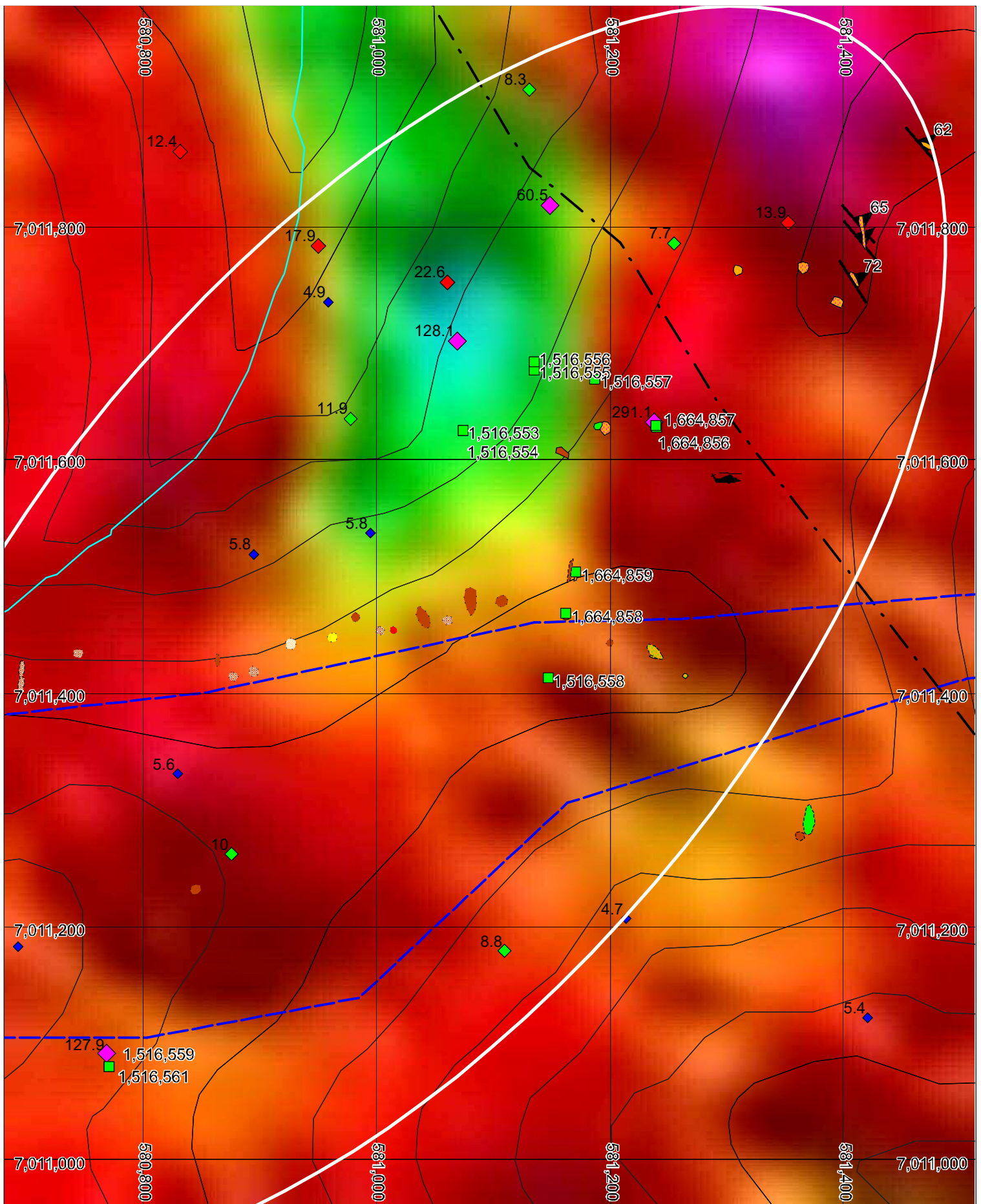


Figure 3. The green background colour is low Total Count radiometric data in the lower slopes of the drainage at Anomaly A which indicates bedrock is covered by transported overburden, hence there is a risk that the surface soil geochemistry may from transported material.



Figure 4. Prospecting Sample 1664856 collected from the soil sample site which graded 291.1 ppb Au at Anomaly A. Abundant quartz vein fragments containing Fe-oxides after relict pyrite, some fresh pyrite within the veins occur here. Pale green actinolite along vein margins suggests alteration was stable with actinolite.



Figure 5. Dark grey specular hematite veinlets cutting a second generation of quartz at the same site as sample 1664856 was collected. Very few pieces of this generation of quartz were observed.



Figure 6. Limonite stained fractures and relict pyrite disseminated within sericite altered hornblende gneiss at sample site 1664858.



Figure 7. Quartz and pyrite vein face cutting felsic gneiss. A 2 – 3 mm sericite alteration halo occurs adjacent to this vein.



Figure 8. Sample 1516557 showing oxidized cubic pyrite in altered felsic gneiss.



Figure 9. Sample 151659 quartz vein with coarse pyrite.



Figure 10. Sample 1516561: Alteration surrounding 1516559 vein.



Figure 11. Photo view looking southwest at Sample site 1516559 and 1516561.

Anomaly B.

Figure 12 is the geologic map of Anomaly B area showing sample collected there relative to soil samples. Despite much digging around the high Au soil sites, no interesting rock samples were encountered nearby as deep overburden occurs here. Three samples were collected away from the soil sites during mapping and photos of these samples are included below. Sample descriptions are also included in the gray rows in Table 1.

Recommendations

It is highly recommended that infill soils be collected at all identified anomalies in order to determine the orientation of mineralization. This should be done prior to additional methods of mineral exploration, before drilling and IP.

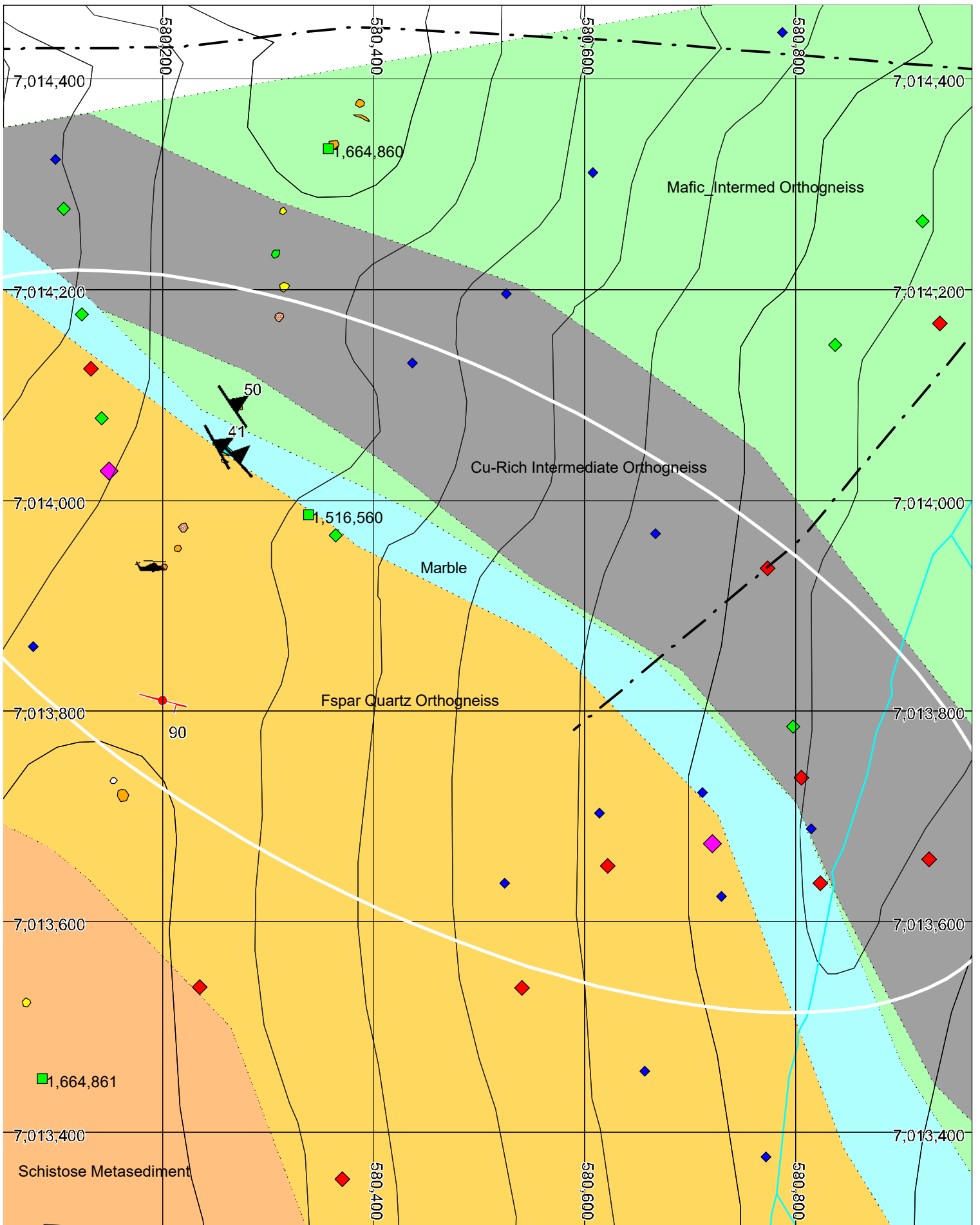


Figure 12. Geologic map of the Anomaly B area showing locations of prospecting samples collected from this area.



Figure 13. Quartz vein boulders exposed under a windfall tree. Intensely fractured vein quartz with specular hematite veinlets and coarse pyrite.



Figure 14. Abundant sericite and silica altered felsic gneiss found beneath a fallen tree roots. Pervasive limonite stain and traces of finely disseminated Fe-oxide specs likely after relict pyrite. Sample 1664861.

Appendix III

ROCK SAMPLES – ANALYTICAL CERTIFICATES



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: July 23, 2018
Report Date: August 28, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000430.1

CLIENT JOB INFORMATION

Project: Gold Cap - PEX
Shipment ID: PEX-180722-01Rock
P.O. Number
Number of Samples: 15

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	15	Crush, split and pulverize 250 g rock to 200 mesh			WHI
BAT01	15	Batch charge of <20 samples			WHI
FA430	15	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	15	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	15	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	15	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Josh Forrester
Jodie Gibson


JEFFREY CANNON
Geochemistry Department Supervisor

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. Bureau Veritas 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.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Pacific Ridge Exploration Ltd.

Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Project: Gold Cap - PEX

Report Date: August 28, 2018

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CERTIFICATE OF ANALYSIS

WHI18000430.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1664856	Rock	1.58	<0.005	0.4	20.9	223.6	35	0.5	2.8	2.6	173	1.29	1.4	0.7	0.9	72	0.1	<0.1	3.2	23	0.20
1664857	Rock	0.85	<0.005	0.4	2.4	5.5	18	<0.1	1.4	1.0	78	0.79	1.6	<0.5	0.7	2	<0.1	<0.1	0.2	9	0.01
1664858	Rock	1.28	<0.005	0.2	6.0	3.3	16	<0.1	1.0	2.1	120	0.84	0.9	0.5	11.3	12	<0.1	<0.1	<0.1	4	0.01
1664859	Rock	0.94	<0.005	0.2	5.0	3.6	24	<0.1	1.1	1.9	197	1.24	0.7	<0.5	11.7	9	<0.1	<0.1	<0.1	12	0.03
1664860	Rock	1.35	0.008	9.7	57.6	9.7	13	0.3	3.0	23.7	289	3.01	5.2	6.7	0.1	3	0.2	0.2	1.5	21	0.01
1664861	Rock	1.37	<0.005	0.7	3.9	5.1	71	<0.1	20.9	6.1	695	1.93	2.1	1.0	4.3	53	0.3	0.1	<0.1	28	0.13
1516553	Rock	0.70	<0.005	0.2	6.5	6.6	13	<0.1	0.7	0.8	58	0.54	0.9	<0.5	7.5	33	<0.1	<0.1	<0.1	3	0.05
1516554	Rock	0.65	<0.005	0.6	43.2	8.4	60	<0.1	2.4	5.8	340	2.26	0.9	<0.5	9.2	24	0.2	0.1	0.2	26	0.40
1516555	Rock	1.35	<0.005	0.6	27.7	2.2	46	<0.1	1.8	2.9	406	1.98	0.5	0.7	5.3	6	<0.1	<0.1	<0.1	7	0.02
1516556	Rock	1.13	<0.005	1.0	27.6	4.6	25	<0.1	3.0	2.9	197	1.60	7.6	2.0	5.7	8	<0.1	0.2	<0.1	6	0.04
1516557	Rock	0.60	<0.005	1.5	28.5	12.4	30	<0.1	22.4	11.3	302	2.40	7.1	<0.5	4.3	27	<0.1	0.2	0.2	35	0.41
1516558	Rock	1.44	<0.005	0.3	15.7	13.3	17	0.5	1.1	1.6	129	1.08	0.6	<0.5	3.8	23	<0.1	<0.1	1.4	9	0.03
1516559	Rock	1.15	<0.005	0.3	2.6	1.2	5	<0.1	1.3	0.9	77	0.44	<0.5	<0.5	0.6	4	<0.1	<0.1	<0.1	2	<0.01
1516560	Rock	1.26	<0.005	0.6	13.5	132.5	17	0.3	5.8	5.5	787	1.10	1.1	0.7	5.3	18	<0.1	<0.1	2.6	13	0.08
1516561	Rock	1.16	<0.005	0.2	19.0	12.0	8	<0.1	2.7	1.8	102	0.84	0.7	<0.5	5.7	15	<0.1	<0.1	0.3	7	0.04



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Project: Gold Cap - PEX

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CERTIFICATE OF ANALYSIS

WHI18000430.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1664856	Rock	0.063	5	7	0.08	692	0.028	<20	0.20	0.017	0.07	<0.1	0.02	2.1	<0.1	<0.05	1	<0.5	<0.2
1664857	Rock	0.003	2	6	0.02	18	0.013	<20	0.06	0.030	<0.01	<0.1	0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
1664858	Rock	0.005	17	3	0.02	158	0.003	<20	0.20	0.074	0.05	<0.1	0.02	2.1	<0.1	<0.05	<1	<0.5	<0.2
1664859	Rock	0.008	18	4	0.26	63	0.035	<20	0.50	0.102	0.19	<0.1	0.01	3.5	<0.1	<0.05	2	<0.5	<0.2
1664860	Rock	0.005	<1	6	0.01	48	0.009	<20	0.06	0.002	<0.01	0.5	0.04	1.2	<0.1	<0.05	<1	1.4	0.6
1664861	Rock	0.022	11	20	0.03	2097	0.016	<20	0.21	0.054	0.04	<0.1	0.15	4.9	<0.1	<0.05	<1	<0.5	<0.2
1516553	Rock	0.012	7	3	0.03	1029	0.002	<20	0.23	0.085	0.08	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2
1516554	Rock	0.045	18	6	0.39	123	0.136	<20	0.64	0.102	0.20	<0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
1516555	Rock	0.006	17	3	0.29	74	0.041	<20	0.66	0.075	0.31	<0.1	0.01	7.6	0.1	<0.05	4	<0.5	<0.2
1516556	Rock	0.014	12	5	0.12	114	0.012	<20	0.37	0.051	0.14	<0.1	<0.01	4.4	<0.1	<0.05	2	<0.5	<0.2
1516557	Rock	0.043	10	32	0.49	48	0.084	<20	0.94	0.052	0.12	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
1516558	Rock	0.013	12	5	0.13	170	0.009	<20	0.31	0.090	0.09	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
1516559	Rock	0.002	1	6	<0.01	14	0.003	<20	0.05	0.004	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
1516560	Rock	0.033	4	6	0.04	419	0.010	<20	0.23	0.080	0.06	0.2	<0.01	2.7	<0.1	<0.05	<1	<0.5	<0.2
1516561	Rock	0.009	8	9	0.02	214	0.024	<20	0.15	0.024	0.05	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI18000430.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1664858	Rock	1.28	<0.005	0.2	6.0	3.3	16	<0.1	1.0	2.1	120	0.84	0.9	0.5	11.3	12	<0.1	<0.1	<0.1	4	0.01
REP 1664858	QC		<0.005																		
Reference Materials																					
STD DS11	Standard			13.5	149.9	124.7	329	1.7	72.8	12.9	974	2.98	40.4	111.7	7.3	66	2.4	7.3	12.1	45	1.01
STD OREAS45EA	Standard			1.6	674.7	15.0	35	0.3	384.9	52.8	403	21.76	11.6	53.5	11.0	4	<0.1	0.3	0.3	314	0.03
STD OXC145	Standard		0.203																		
STD OXH139	Standard		1.318																		
STD OXN134	Standard		7.745																		
STD OXN134 Expected			7.667																		
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.1	6.6	4.2	60	<0.1	1.0	3.4	538	1.81	2.8	1.3	2.6	28	0.1	<0.1	0.2	21	0.84
ROCK-WHI	Prep Blank		<0.005	2.7	4.1	3.3	49	<0.1	0.6	3.2	504	1.75	2.2	<0.5	2.6	30	0.1	<0.1	0.2	21	0.67



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QUALITY CONTROL REPORT

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1664858	Rock	0.005	17	3	0.02	158	0.003	<20	0.20	0.074	0.05	<0.1	0.02	2.1	<0.1	<0.05	<1	<0.5	<0.2
REP 1664858	QC																		
Reference Materials																			
STD DS11	Standard	0.067	18	55	0.79	413	0.089	<20	1.08	0.068	0.38	2.5	0.25	3.1	4.4	0.26	4	1.8	4.0
STD OREAS45EA	Standard	0.028	8	811	0.09	151	0.099	<20	3.16	0.019	0.05	<0.1	<0.01	79.7	<0.1	<0.05	12	1.3	<0.2
STD OXC145	Standard																		
STD OXH139	Standard																		
STD OXN134	Standard																		
STD OXN134 Expected																			
STD OXC145 Expected																			
STD OXH139 Expected																			
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053			78	0.072	0.036	12.4	0.78	0.1
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
ROCK-WHI	Prep Blank	0.041	7	3	0.44	73	0.080	<20	0.99	0.097	0.11	<0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-WHI	Prep Blank	0.041	6	3	0.43	68	0.079	<20	0.86	0.065	0.08	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2

Appendix IV

SOIL GEOCHEMISTRY - SUMMARY RESULTS

Sample No.	Easting	Northing	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1465676	580046	7014314	4.5	5.8	0.5	0.1	415	41.6	7.1	57
1465677	580052	7014290	44.1	5.5	0.5	0.1	453	51.8	6.6	55
1465678	580054	7014266	2.9	5.7	0.5	0.2	351	44.3	12.6	67
1465679	580059	7014240	4.0	4.5	0.4	0.2	568	45.6	14.8	70
1465680	580065	7014216	2.4	3.8	0.3	0.2	610	57.0	17.3	82
1465681	580069	7014192	2.6	5.9	0.4	0.2	471	37.9	17.9	69
1465682	580074	7014167	6.4	5.8	0.4	0.2	511	27.1	16.6	63
1465683	580079	7014140	0.2	1.5	0.1	0.1	454	35.7	7.1	95
1465684	580083	7014116	3.9	3.9	0.2	0.1	452	21.7	8.1	79
1465685	580087	7014094	22.0	3.4	0.1	0.3	350	39.1	7.2	65
1465686	580092	7014068	3.9	2.4	0.2	0.2	305	34.7	7.6	83
1465687	580097	7014044	1.7	2.2	0.2	0.3	293	38.3	12.8	72
1465688	580102	7014019	1.4	2.8	0.2	0.2	420	31.3	14.8	88
1465689	580106	7013994	2.6	3.0	0.2	0.3	339	40.5	21.2	97
1465690	580110	7013970	2.5	5.1	0.3	0.2	344	31.8	16.1	90
1465691	580115	7013945	1.8	1.0	0.05	0.1	299	38.2	7.8	99
1465692	580119	7013921	1.9	0.9	0.05	0.1	409	25.5	7.5	110
1465693	580124	7013896	1.2	5.0	0.3	0.2	164	15.8	12.4	58
1465694	580126	7013871	0.8	4.7	0.3	0.2	267	34.2	12.6	82
1465695	580132	7013847	1.9	4.0	0.2	0.4	289	23.7	17.4	99
1465696	580136	7013822	0.2	3.0	0.2	0.3	203	29.3	17.0	82
1465697	580237	7013838	1.0	3.7	0.2	0.2	346	25.7	9.1	182
1465698	580230	7013864	2.3	5.2	0.3	0.4	170	46.9	18.2	120
1465699	580228	7013888	2.4	1.0	0.05	0.3	259	21.0	11.3	84
1515576	580222	7013914	1.7	7.0	0.2	0.2	217	18.0	9.7	100
1515577	580217	7013938	2.6	1.2	0.05	0.2	435	44.2	14.9	117
1515578	580214	7013963	0.7	2.3	0.1	0.3	125	47.7	5.1	49
1515579	580209	7013987	0.8	1.3	0.05	<0.1	240	85.4	2.8	41
1515580	580206	7014012	3.9	1.6	0.05	0.2	749	25.8	14.3	116
1515581	580199	7014036	2.2	1.0	0.05	<0.1	827	16.0	6.9	89
1515582	580194	7014061	9.9	3.0	0.2	0.4	649	34.4	45.1	100
1515676	580532	7013868	3.2	6.9	0.4	0.2	495	29.4	15.4	73
1515677	580537	7013844	4.5	4.9	0.3	0.2	416	31.3	12.0	71
1515678	580540	7013819	2.9	8.5	0.4	0.1	319	34.6	9.9	56
1515679	580546	7013795	6.9	7.6	0.4	0.1	275	26.2	6.9	51
1515680	580551	7013770	111.4	5.7	0.4	0.2	308	43.0	11.6	81
1515681	580555	7013745	4.3	7.5	0.7	0.2	271	33.3	8.8	67
1515682	580559	7013719	4.2	7.5	0.5	0.2	298	30.8	9.5	55
1515683	580563	7013697	5.1	2.3	0.2	0.2	351	39.6	16.5	125
1515684	580567	7013672	9.8	7.0	0.5	0.2	293	39.0	11.3	70
1515685	580571	7013646	3.1	6.8	0.4	0.2	301	34.5	14.0	71
1515686	580577	7013621	1.3	6.9	0.4	0.2	275	26.6	11.5	60
1515687	580581	7013598	4.5	6.0	0.5	0.2	341	42.5	12.5	65
1515688	580584	7013572	0.6	6.3	0.4	0.2	268	31.2	13.4	69
1515689	580592	7013548	3.0	5.2	0.4	0.2	330	32.0	11.5	71
1515690	580594	7013523	3.8	5.2	0.3	0.2	356	31.9	12.0	75
1515691	580696	7013539	20.3	6.9	0.4	0.2	265	28.3	9.5	64
1515692	580689	7013567	7.6	6.7	0.4	0.2	303	30.0	10.9	60

Sample No.	Easting	Northing	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1515693	580686	7013591	3.2	6.2	0.4	0.2	290	25.8	11.2	62
1515694	580680	7013617	6.0	6.9	0.4	0.2	318	30.6	10.0	58
1515695	580678	7013640	4.6	7.0	0.5	0.2	280	30.6	10.3	65
1515696	580671	7013665	6.3	7.0	0.5	0.2	330	37.2	10.0	61
1515697	580667	7013692	4.0	7.1	0.5	0.2	329	32.1	9.2	58
1515698	580663	7013714	1.9	5.9	0.4	0.2	391	38.8	8.9	52
1515699	580659	7013739	9.1	8.1	0.5	0.1	240	25.6	7.7	53
1515701	580656	7013764	3.1	8.1	0.5	0.2	329	41.9	9.2	62
1515702	580649	7013788	6.4	8.2	0.5	0.2	356	36.8	8.0	57
1515703	580646	7013814	3.8	5.6	0.3	0.2	437	25.7	11.1	74
1515704	580642	7013836	4.3	6.0	0.3	0.2	673	29.8	12.0	59
1515705	580637	7013864	2.5	9.3	0.7	0.3	539	34.1	20.4	61
1515706	580633	7013886	3.2	8.8	0.7	0.2	370	33.9	9.4	60
1515707	580709	7014027	3.5	4.1	0.4	<0.1	456	186.4	5.6	62
1515708	580718	7013978	4.4	8.4	0.6	0.2	594	56.6	9.1	64
1515709	580726	7013930	1.0	2.9	0.2	0.1	384	113.3	10.2	89
1515710	580733	7013880	3.3	7.5	0.6	0.1	349	35.8	8.3	72
1515711	580743	7013830	6.1	8.8	0.6	0.2	447	30.5	10.0	63
1566626	580332	7013858	1.0	5.0	0.3	0.2	395	53.6	11.9	113
1566627	580327	7013881	0.5	4.2	0.3	0.2	282	25.3	29.6	116
1566628	580322	7013906	0.2	3.7	0.2	<0.1	365	53.8	7.4	64
1566629	580318	7013931	0.6	4.7	0.3	0.1	341	22.8	6.0	75
1566630	580313	7013955	0.9	6.9	0.4	0.2	278	24.7	18.7	69
1566631	580308	7013981	6.3	8.9	0.5	0.3	175	13.2	8.8	60
1566632	580303	7014006	2.4	3.7	0.3	0.2	1127	110.8	8.5	110
1566633	580299	7014031	4.0	10.5	0.5	0.3	276	23.2	25.1	53
1566634	580295	7014054	0.2	2.0	0.1	<0.1	381	44.4	2.8	72
1566635	580292	7014080	0.2	4.0	0.3	0.2	399	17.3	13.9	107
1566636	580286	7014105	12.3	48.6	1.1	0.3	465	39.2	24.7	293
1566637	580282	7014131	0.7	3.0	0.3	0.4	507	43.6	10.1	125
1566638	580277	7014154	1.0	8.2	0.6	0.2	255	41.8	7.3	66
1566639	580275	7014177	0.2	3.9	0.1	<0.1	562	101.3	4.2	127
1566640	580271	7014203	0.5	3.2	0.2	0.1	320	63.9	2.6	45
1566641	580266	7014228	1.1	4.2	0.2	<0.1	334	62.2	7.0	37
1566642	580261	7014251	4.5	6.7	0.4	0.1	688	71.5	5.5	75
1566643	580257	7014277	0.6	9.1	0.7	0.2	352	36.0	8.1	57
1566644	580252	7014301	2.0	10.0	0.6	0.1	413	44.7	8.4	57
1566645	580247	7014325	3.4	9.2	0.6	0.2	335	28.7	10.1	65
1566646	580244	7014350	2.1	8.6	0.5	0.1	365	29.6	9.0	60
1566647	580144	7014332	3.3	6.6	0.6	0.2	551	62.4	8.2	70
1566648	580150	7014300	2.8	6.1	0.5	0.1	690	66.3	6.7	56
1566649	580155	7014276	6.7	6.8	0.4	0.1	568	77.3	6.1	64
1566651	580158	7014251	1.1	3.5	0.3	0.1	400	57.1	4.5	67
1566652	580164	7014226	1.4	4.0	0.2	0.1	488	60.0	11.0	113
1566653	580169	7014202	1.7	4.6	0.3	0.3	436	83.8	35.8	300
1566654	580173	7014175	1.6	6.4	0.3	0.2	239	44.9	11.0	74
1566655	580177	7014154	4.0	7.7	0.7	0.1	305	31.9	8.8	48
1566656	580183	7014129	0.9	4.5	0.3	0.2	338	25.8	22.9	48

Sample No.	Easting	Northing	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1566657	580187	7014104	3.5	6.7	0.4	0.3	551	26.3	27.0	58
1566658	580191	7014080	3.9	7.2	0.2	0.2	1344	61.8	18.8	92
1566701	580828	7013920	1.9	3.0	0.2	<0.1	396	187.2	6.2	48
1566702	580836	7013871	2.8	7.1	0.5	0.1	318	32.8	7.7	57
1566703	580846	7013821	2.0	5.9	0.5	0.1	389	27.1	9.1	50
1566704	580855	7013771	7.5	7.2	0.4	0.1	461	25.8	9.2	54
1566705	580860	7013726	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1566706	580870	7013674	2.1	6.0	0.4	0.1	285	20.2	8.5	60
1566707	580880	7013625	1.7	5.4	0.3	0.1	377	52.2	10.0	61
1566708	580889	7013575	2.6	4.4	0.5	0.1	473	101.9	6.4	49
1566709	580793	7013560	10.3	6.1	0.3	0.1	179	14.3	8.4	51
1566710	580785	7013607	7.9	7.2	0.3	0.1	225	17.2	8.5	54
1566711	580776	7013658	2.8	7.2	0.4	0.1	281	25.0	9.0	70
1566712	580766	7013709	2.2	6.9	0.4	0.1	369	24.3	8.5	51
1566713	580757	7013756	5.1	7.7	0.5	0.1	327	29.8	7.6	62
1566714	580749	7013806	26.4	6.2	0.4	0.2	623	28.3	10.2	61
1566715	580741	7013855	3.9	9.2	0.7	0.1	297	30.9	7.8	64
1566716	580731	7013904	1.3	7.6	0.4	0.1	377	77.1	9.2	113
1566717	580723	7013954	4.1	6.8	0.5	0.1	406	73.2	7.3	69
1566718	580714	7014002	1.0	4.5	0.3	<0.1	786	92.7	4.9	71
1566719	580706	7014051	2.5	8.5	0.6	0.1	564	61.2	9.3	57
1566720	580834	7013896	3.2	7.8	0.5	0.1	363	40.0	8.6	78
1566721	580843	7013846	0.9	6.6	0.5	0.1	301	27.3	7.3	50
1566722	580852	7013797	4.0	5.9	0.4	0.1	474	24.4	10.3	50
1566723	580862	7013748	2.8	6.1	0.4	0.1	428	29.6	7.6	53
1566724	580866	7013698	2.3	6.1	0.3	0.1	284	25.9	9.4	69
1566726	580877	7013649	1.3	5.4	0.3	0.1	282	29.2	9.5	66
1566727	580885	7013600	4.5	5.9	0.4	0.2	285	40.9	7.2	52
1566728	580788	7013583	3.0	6.3	0.3	0.2	301	28.4	10.0	58
1566729	580781	7013632	456.1	5.0	0.3	0.2	252	33.2	10.5	69
1566730	580772	7013681	5.8	6.2	0.3	0.2	284	27.3	8.3	62
1566731	580762	7013731	3.9	6.6	0.4	0.2	323	34.1	8.2	59
1566732	580757	7013781	3.2	7.6	0.4	0.2	371	30.8	8.6	52
1628376	580494	7014090	2.0	4.4	0.3	<0.1	342	106.7	7.2	69
1628377	580489	7014113	1.6	1.8	0.05	<0.1	410	139.8	2.6	53
1628378	580485	7014139	4.0	1.8	0.1	0.3	1119	185.8	7.4	99
1628379	580480	7014163	3.4	4.9	0.3	<0.1	605	110.9	6.0	64
1628380	580476	7014189	2.6	4.4	0.3	0.1	903	105.8	8.4	95
1628381	580471	7014213	3.8	7.2	0.4	0.2	300	29.6	16.5	64
1628382	580467	7014237	3.7	5.9	0.4	0.1	387	50.8	11.2	90
1628383	580462	7014263	0.9	6.7	0.3	0.1	361	21.9	9.8	73
1628384	580458	7014286	0.2	2.9	0.2	<0.1	266	30.3	3.4	105
1628385	580455	7014311	0.9	6.8	0.5	0.1	324	24.7	12.6	86
1628386	580449	7014336	2.5	2.9	0.2	0.1	399	11.7	6.1	83
1628387	580445	7014360	3.5	6.6	0.4	0.1	384	35.1	10.4	89
1628388	580441	7014386	1.1	3.3	0.2	<0.1	771	74.7	3.8	83
1628389	580343	7014367	0.6	3.7	0.3	0.2	360	13.3	7.1	94
1628390	580347	7014342	1.3	7.3	0.4	0.1	333	26.6	10.9	95

Sample No.	Easting	Northing	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1628391	580352	7014319	1.9	3.7	0.2	0.3	484	25.8	27.2	112
1628392	580356	7014294	0.7	3.4	0.2	0.3	338	55.3	30.5	97
1628393	580360	7014269	0.8	2.2	0.1	0.2	320	52.2	14.5	115
1628394	580364	7014246	1.8	5.9	0.4	0.2	585	31.7	9.2	64
1628395	580367	7014220	0.9	3.7	0.2	<0.1	370	289.7	5.5	39
1628396	580373	7014196	2.7	10.2	0.4	0.1	437	80.2	8.3	56
1628397	580377	7014172	6.8	1.6	0.1	<0.1	738	200.0	2.1	95
1628398	580381	7014147	1.2	3.2	0.1	<0.1	406	45.7	2.7	55
1628399	580386	7014122	1.5	7.8	0.4	0.2	318	35.4	8.4	59
1628401	580390	7014097	0.2	2.6	0.2	<0.1	654	64.2	4.3	101
1628402	580393	7014072	0.2	2.5	0.1	<0.1	487	64.1	8.6	103
1628403	580431	7013876	1.6	2.3	0.1	0.1	587	35.1	10.0	119
1628404	580425	7013899	4.5	7.8	0.4	0.1	266	24.2	9.2	65
1628405	580421	7013924	6.3	5.7	0.2	0.8	633	59.0	98.4	208
1628406	580416	7013948	2.7	10.5	0.6	0.2	390	29.9	11.0	51
1628407	580412	7013974	2.6	8.9	0.5	0.3	310	31.9	35.2	57
1628408	580407	7013998	2.0	3.6	0.2	<0.1	329	52.8	4.5	67
1628409	580404	7014023	1.7	4.8	0.4	0.1	427	42.7	7.0	113
1628410	580399	7014047	1.1	4.9	0.2	<0.1	471	85.7	7.4	90

Appendix V

SOIL GEOCHEMISTRY – ANALYTICAL CERTIFICATES



Bureau Veritas Commodities Canada Ltd.
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Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: September 10, 2018
Report Date: September 27, 2018
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CERTIFICATE OF ANALYSIS

WHI18000886.1

CLIENT JOB INFORMATION

Project: GCP
Shipment ID: GCP-20180906-001-SOIL
P.O. Number
Number of Samples: 168

SAMPLE DISPOSAL

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	168	Dry at 60C			WHI
SS80	168	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201-U	167	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISPL	168	Disposal of pulps			VAN
SHP01	168	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Gerry Carlson
Ben McGrath
Isaac Fage



KERRY JAY
Geochem Project Specialist



Bureau Veritas Commodities Canada Ltd.

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Client: **Pacific Ridge Exploration Ltd.**

Suite 1100, 1111 Melville St,
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Project: GCP

Report Date: September 27, 2018

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CERTIFICATE OF ANALYSIS

WHI18000886.1

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	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	2	0.01	0.001	
1628394	Soil		1.3	31.7	9.2	64	0.2	26.7	13.1	809	2.95	5.9	0.5	1.8	2.9	24	0.2	0.4	0.2	73	0.42	0.049
1465697	Soil		0.9	25.7	9.1	182	<0.1	64.7	28.2	978	6.74	3.7	4.4	1.0	23.3	13	<0.1	0.2	0.2	66	0.12	0.041
1628406	Soil		0.6	29.9	11.0	51	0.1	25.2	9.7	416	2.31	10.5	0.6	2.7	2.2	77	0.2	0.6	0.2	53	3.91	0.061
1628409	Soil		1.0	42.7	7.0	113	<0.1	27.6	21.0	940	4.72	4.8	0.9	1.7	5.5	36	<0.1	0.4	0.1	127	0.96	0.052
1628387	Soil		1.4	35.1	10.4	89	<0.1	38.7	12.5	739	4.26	6.6	1.2	3.5	4.8	30	<0.1	0.4	0.1	68	0.47	0.032
1515576	Soil		1.0	18.0	9.7	100	<0.1	47.8	22.5	258	4.94	7.0	1.1	1.7	10.4	12	<0.1	0.2	0.2	76	0.12	0.029
1628404	Soil		1.0	24.2	9.2	65	<0.1	22.3	10.9	586	3.30	7.8	0.7	4.5	5.2	24	<0.1	0.4	0.1	67	0.30	0.023
1628408	Soil		0.8	52.8	4.5	67	<0.1	25.2	19.4	522	3.70	3.6	0.5	2.0	3.1	42	<0.1	0.2	<0.1	93	0.72	0.033
1628386	Soil		0.9	11.7	6.1	83	<0.1	10.4	7.8	680	3.43	2.9	0.4	2.5	2.0	19	0.1	0.2	0.1	39	0.29	0.038
1465699	Soil		0.2	21.0	11.3	84	<0.1	37.4	15.8	249	4.24	1.0	1.4	2.4	31.8	17	<0.1	<0.1	0.3	43	0.33	0.057
1628405	Soil		1.5	59.0	98.4	208	<0.1	29.7	12.6	1024	5.59	5.7	1.2	6.3	6.0	19	0.1	0.2	0.8	153	0.69	0.220
1628410	Soil		0.8	85.7	7.4	90	<0.1	53.1	19.7	884	3.96	4.9	0.7	1.1	4.2	24	<0.1	0.2	<0.1	111	0.56	0.043
1628385	Soil		2.5	24.7	12.6	86	<0.1	29.3	9.5	594	3.69	6.8	0.8	0.9	4.2	24	<0.1	0.5	0.1	51	0.39	0.032
1465698	Soil		0.7	46.9	18.2	120	<0.1	31.7	11.2	405	2.64	5.2	2.4	2.3	12.2	31	<0.1	0.3	0.4	36	0.56	0.045
1628403	Soil		0.6	35.1	10.0	119	<0.1	11.1	15.4	770	6.12	2.3	1.1	1.6	7.2	20	<0.1	0.1	0.1	73	0.33	0.045
1628407	Soil		0.6	31.9	35.2	57	0.1	29.0	10.8	410	2.79	8.9	0.7	2.6	2.7	66	0.1	0.5	0.3	69	2.70	0.047
1465700	Soil		0.3	36.2	11.1	73	<0.1	31.9	14.8	259	4.03	1.0	1.7	2.9	35.2	16	<0.1	<0.1	0.4	37	0.35	0.067
1515582	Soil		1.6	34.4	45.1	100	<0.1	15.5	7.0	923	4.27	3.0	1.7	9.9	9.3	18	<0.1	0.2	0.4	50	0.41	0.102
1628396	Soil		0.7	80.2	8.3	56	0.2	29.4	13.0	457	2.94	10.2	0.6	2.7	3.2	35	<0.1	0.4	0.1	79	0.69	0.074
1628402	Soil		0.4	64.1	8.6	103	<0.1	22.2	20.2	800	4.99	2.5	0.5	<0.5	1.6	31	0.2	0.1	<0.1	145	1.01	0.218
1465696	Soil		0.5	29.3	17.0	82	<0.1	34.6	14.1	434	3.54	3.0	0.7	<0.5	15.2	15	<0.1	0.2	0.3	46	0.26	0.047
1515577	Soil		0.4	44.2	14.9	117	<0.1	46.8	21.5	508	4.97	1.2	1.5	2.6	28.1	17	<0.1	<0.1	0.2	60	0.23	0.033
1628398	Soil		0.2	45.7	2.7	55	<0.1	44.2	29.3	606	3.85	3.2	0.2	1.2	1.1	24	<0.1	0.1	<0.1	141	0.96	0.082
1628401	Soil		1.1	64.2	4.3	101	<0.1	67.7	29.0	761	5.51	2.6	0.4	<0.5	2.1	27	<0.1	0.2	<0.1	138	0.52	0.078
1515578	Soil		0.6	47.7	5.1	49	<0.1	21.1	9.9	169	3.60	2.3	2.4	0.7	23.2	16	<0.1	0.1	0.3	24	0.09	0.038
1515579	Soil		0.2	85.4	2.8	41	<0.1	65.7	21.0	497	2.91	1.3	0.6	0.8	2.2	23	<0.1	<0.1	<0.1	97	0.45	0.032
1628397	Soil		0.4	200.0	2.1	95	<0.1	34.8	22.0	765	4.74	1.6	0.7	6.8	1.6	21	<0.1	0.1	<0.1	156	0.64	0.124
1628400	Soil		1.4	22.5	8.8	52	<0.1	20.5	12.7	1756	2.86	6.6	0.4	1.0	2.8	20	<0.1	0.3	0.2	75	0.34	0.029
1515581	Soil		0.9	16.0	6.9	89	<0.1	17.9	20.3	1129	4.46	1.0	0.6	2.2	9.1	18	0.1	<0.1	<0.1	100	0.44	0.090
1515580	Soil		0.6	25.8	14.3	116	<0.1	11.4	20.0	1099	6.56	1.6	1.3	3.9	8.7	28	<0.1	<0.1	0.2	133	0.55	0.127



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Project: GCP

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Method Analyte	Unit	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
MDL		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	0.05	1	0.5	0.2	
1628394	Soil	12	31	0.52	585	0.077	2	1.65	0.013	0.19	0.1	0.01	4.8	0.1	<0.05	6	<0.5	<0.2
1465697	Soil	17	63	1.28	346	0.401	2	3.29	0.014	1.76	<0.1	0.01	7.5	1.0	<0.05	12	<0.5	<0.2
1628406	Soil	13	27	0.62	390	0.066	3	1.19	0.028	0.07	0.1	0.05	4.1	<0.1	<0.05	3	<0.5	<0.2
1628409	Soil	12	64	1.51	427	0.132	2	2.33	0.015	0.60	0.1	0.06	13.2	0.3	<0.05	9	<0.5	<0.2
1628387	Soil	37	54	0.97	384	0.081	2	2.50	0.015	0.20	<0.1	0.03	15.2	<0.1	<0.05	10	<0.5	<0.2
1515576	Soil	13	61	1.25	217	0.215	1	3.16	0.010	0.83	<0.1	0.02	5.8	0.7	<0.05	10	<0.5	<0.2
1628404	Soil	11	35	0.76	266	0.167	2	1.85	0.015	0.46	0.2	0.02	5.9	0.2	<0.05	7	<0.5	<0.2
1628408	Soil	13	46	1.54	329	0.186	1	2.35	0.035	0.23	<0.1	0.04	6.3	0.2	<0.05	6	<0.5	<0.2
1628386	Soil	8	19	0.48	399	0.102	<1	1.74	0.012	0.27	<0.1	0.01	5.3	0.1	<0.05	7	<0.5	<0.2
1465699	Soil	64	42	1.08	259	0.199	<1	2.62	0.016	1.17	<0.1	<0.01	6.7	0.7	<0.05	8	<0.5	<0.2
1628405	Soil	16	52	1.34	633	0.219	1	2.83	0.010	1.32	0.3	0.02	10.1	0.5	<0.05	10	<0.5	<0.2
1628410	Soil	18	72	1.44	471	0.218	1	2.31	0.013	0.57	0.1	<0.01	8.0	0.3	<0.05	9	<0.5	<0.2
1628385	Soil	14	49	0.59	324	0.078	2	1.90	0.013	0.26	0.1	0.01	10.3	<0.1	<0.05	7	<0.5	<0.2
1465698	Soil	31	38	0.50	170	0.077	<1	1.87	0.009	0.09	0.7	0.01	5.4	0.1	<0.05	5	<0.5	<0.2
1628403	Soil	36	24	1.87	587	0.363	<1	3.36	0.016	1.65	0.1	0.02	12.7	0.5	<0.05	13	<0.5	<0.2
1628407	Soil	16	35	0.86	310	0.067	2	1.64	0.024	0.07	0.1	0.07	6.4	<0.1	<0.05	5	<0.5	<0.2
1465700	Soil	67	35	1.02	249	0.189	<1	2.47	0.013	1.03	<0.1	<0.01	5.6	0.6	<0.05	7	<0.5	<0.2
1515582	Soil	33	24	0.79	649	0.137	1	1.96	0.008	0.76	0.7	0.02	10.1	0.4	<0.05	7	<0.5	<0.2
1628396	Soil	15	39	0.72	437	0.085	2	1.44	0.033	0.08	0.2	0.05	6.7	<0.1	<0.05	4	<0.5	<0.2
1628402	Soil	12	25	1.83	487	0.283	<1	2.55	0.021	1.03	<0.1	0.01	7.8	0.4	<0.05	9	<0.5	<0.2
1465696	Soil	23	46	0.73	203	0.166	<1	1.88	0.008	0.71	<0.1	<0.01	5.1	0.5	<0.05	7	<0.5	<0.2
1515577	Soil	67	58	1.35	435	0.254	<1	2.81	0.010	1.43	<0.1	<0.01	8.5	0.7	<0.05	9	<0.5	<0.2
1628398	Soil	5	100	2.55	406	0.172	<1	2.59	0.058	0.69	<0.1	0.01	13.8	0.3	<0.05	5	<0.5	<0.2
1628401	Soil	9	103	2.82	654	0.278	<1	3.58	0.013	1.08	<0.1	<0.01	6.5	0.4	<0.05	9	<0.5	<0.2
1515578	Soil	31	26	0.90	125	0.033	<1	1.88	0.008	0.14	<0.1	<0.01	2.3	0.1	0.08	5	<0.5	<0.2
1515579	Soil	11	185	1.73	240	0.199	<1	1.94	0.020	0.33	<0.1	<0.01	7.3	0.1	<0.05	6	<0.5	<0.2
1628397	Soil	15	54	1.87	738	0.290	<1	2.98	0.019	1.06	<0.1	0.01	9.9	0.2	<0.05	10	<0.5	<0.2
1628400	Soil	11	35	0.54	415	0.088	<1	1.83	0.015	0.11	0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1515581	Soil	23	67	1.82	827	0.197	<1	2.51	0.012	1.56	<0.1	0.02	22.9	0.4	<0.05	9	<0.5	<0.2
1515580	Soil	42	23	2.21	749	0.212	<1	3.55	0.012	1.53	<0.1	0.01	21.4	0.4	<0.05	13	<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	
			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	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	2	0.01	0.001	
1628395	Soil		0.4	289.7	5.5	39	<0.1	82.3	34.7	498	3.33	3.7	0.4	0.9	2.2	22	<0.1	0.2	<0.1	115	0.65	0.030
1628399	Soil		1.6	35.4	8.4	59	<0.1	18.6	12.1	1118	3.26	7.8	0.4	1.5	2.3	19	0.1	0.4	0.2	89	0.31	0.055
1628382	Soil		1.2	50.8	11.2	90	0.2	32.6	13.0	509	3.54	5.9	1.1	3.7	7.9	41	0.1	0.4	0.1	82	2.35	0.082
1628383	Soil		1.4	21.9	9.8	73	<0.1	20.4	10.7	639	3.32	6.7	0.5	0.9	3.0	31	<0.1	0.3	0.1	70	0.74	0.027
1628384	Soil		1.0	30.3	3.4	105	<0.1	17.3	13.7	705	4.80	2.9	0.8	<0.5	5.8	14	<0.1	0.2	<0.1	69	0.40	0.061
1628390	Soil		1.3	26.6	10.9	95	<0.1	21.5	9.7	693	3.59	7.3	0.6	1.3	3.7	24	0.1	0.4	0.1	55	0.44	0.034
1465692	Soil		0.2	25.5	7.5	110	<0.1	74.5	22.9	684	4.10	0.9	0.7	1.9	9.9	24	<0.1	<0.1	0.1	85	0.50	0.065
1465689	Soil		0.7	40.5	21.2	97	<0.1	38.8	16.4	462	4.23	3.0	1.6	2.6	19.5	18	<0.1	0.2	0.3	56	0.34	0.043
1465687	Soil		0.8	38.3	12.8	72	<0.1	35.3	16.4	397	4.51	2.2	1.1	1.7	14.3	15	<0.1	0.2	0.3	69	0.17	0.024
1628389	Soil		1.4	13.3	7.1	94	<0.1	12.8	7.9	752	3.49	3.7	0.5	0.6	1.6	22	0.2	0.3	0.2	47	0.35	0.057
1465693	Soil		0.7	15.8	12.4	58	<0.1	26.4	15.5	559	3.28	5.0	0.5	1.2	9.9	14	<0.1	0.3	0.2	53	0.15	0.036
1465690	Soil		0.7	31.8	16.1	90	<0.1	30.2	12.4	352	3.32	5.1	1.3	2.5	10.6	24	<0.1	0.3	0.2	61	0.40	0.036
1465686	Soil		0.8	34.7	7.6	83	<0.1	28.4	15.2	406	4.21	2.4	1.3	3.9	9.5	22	<0.1	0.2	0.2	75	0.33	0.061
1628388	Soil		0.4	74.7	3.8	83	<0.1	12.9	24.5	540	6.12	3.3	0.4	1.1	1.5	25	<0.1	0.2	<0.1	187	0.84	0.122
1465694	Soil		0.7	34.2	12.6	82	<0.1	37.9	14.7	432	4.63	4.7	1.0	0.8	16.6	16	<0.1	0.3	0.2	68	0.15	0.024
1465691	Soil		0.3	38.2	7.8	99	<0.1	63.7	25.2	945	4.65	1.0	0.8	1.8	14.1	27	<0.1	<0.1	0.1	89	0.42	0.076
1465688	Soil		0.5	31.3	14.8	88	<0.1	33.3	17.3	416	3.74	2.8	1.0	1.4	14.9	16	<0.1	0.2	0.2	54	0.24	0.040
1628393	Soil		1.7	52.2	14.5	115	<0.1	37.3	15.3	369	4.56	2.2	1.3	0.8	11.3	14	<0.1	0.1	0.2	88	0.25	0.045
1465679	Soil		0.7	45.6	14.8	70	0.1	27.3	14.3	542	2.85	4.5	1.3	4.0	2.8	58	0.4	0.4	0.2	78	1.54	0.094
1465678	Soil		0.6	44.3	12.6	67	<0.1	25.9	13.4	479	2.58	5.7	0.9	2.9	2.4	54	0.4	0.5	0.2	72	1.82	0.100
1465695	Soil		0.4	23.7	17.4	99	<0.1	30.3	15.6	456	4.61	4.0	1.4	1.9	38.9	19	<0.1	0.2	0.4	56	0.24	0.039
1628391	Soil		1.2	25.8	27.2	112	<0.1	8.6	19.7	664	5.83	3.7	0.4	1.9	2.1	20	0.1	0.2	0.3	123	0.47	0.053
1465681	Soil		0.7	37.9	17.9	69	0.1	25.5	12.5	524	3.24	5.9	1.0	2.6	4.5	38	0.2	0.4	0.2	61	1.19	0.076
1465677	Soil		0.6	51.8	6.6	55	<0.1	27.1	12.6	440	2.57	5.5	1.2	44.1	2.5	44	0.2	0.5	0.1	71	1.19	0.076
1465676	Soil		0.5	41.6	7.1	57	<0.1	26.7	10.7	390	2.24	5.8	1.0	4.5	3.0	45	0.2	0.5	0.1	63	0.98	0.069
1628392	Soil		1.1	55.3	30.5	97	<0.1	14.6	15.6	623	5.54	3.4	0.5	0.7	2.9	17	<0.1	0.2	0.3	105	0.41	0.052
1465682	Soil		0.6	27.1	16.6	63	0.1	19.9	9.8	745	2.68	5.8	1.1	6.4	3.1	51	0.3	0.4	0.2	50	1.69	0.069
1465685	Soil		0.7	39.1	7.2	65	<0.1	30.1	17.1	453	4.33	3.4	0.9	22.0	7.6	22	<0.1	0.1	0.3	88	0.33	0.057
1465680	Soil		0.8	57.0	17.3	82	0.1	24.0	15.3	668	3.54	3.8	1.4	2.4	3.3	52	0.2	0.3	0.2	87	1.60	0.072
1628376	Soil		1.1	106.7	7.2	69	<0.1	26.0	19.3	494	3.90	4.4	0.4	2.0	1.9	30	<0.1	0.3	<0.1	108	0.56	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	AQ201	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1628395	Soil	10	113	1.75	370	0.100	<1	1.57	0.018	0.06	<0.1	0.02	8.9	0.1	<0.05	4	<0.5	<0.2
1628399	Soil	9	33	0.72	318	0.136	<1	1.67	0.011	0.28	0.2	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
1628382	Soil	33	45	0.89	387	0.123	1	1.77	0.020	0.39	0.2	0.07	8.0	0.2	<0.05	7	<0.5	<0.2
1628383	Soil	11	36	0.48	361	0.085	2	1.89	0.016	0.21	0.1	0.01	8.5	<0.1	<0.05	6	<0.5	<0.2
1628384	Soil	21	29	1.17	266	0.174	<1	2.44	0.018	0.81	<0.1	<0.01	15.2	0.2	<0.05	11	<0.5	<0.2
1628390	Soil	13	33	0.59	333	0.076	<1	1.95	0.012	0.23	0.1	0.02	8.3	<0.1	<0.05	8	<0.5	<0.2
1465692	Soil	32	79	2.07	409	0.241	<1	2.78	0.011	1.34	0.2	<0.01	5.1	0.7	<0.05	8	<0.5	<0.2
1465689	Soil	48	51	1.12	339	0.194	1	2.51	0.009	0.91	0.7	0.01	5.5	0.8	<0.05	8	<0.5	<0.2
1465687	Soil	41	54	1.19	293	0.172	1	2.64	0.009	0.97	<0.1	<0.01	6.9	0.5	<0.05	10	<0.5	<0.2
1628389	Soil	8	19	0.50	360	0.043	1	1.77	0.011	0.13	0.1	0.02	6.9	<0.1	<0.05	8	<0.5	<0.2
1465693	Soil	21	44	0.61	164	0.133	1	1.74	0.007	0.44	0.1	0.01	3.5	0.4	<0.05	6	<0.5	<0.2
1465690	Soil	45	49	0.92	344	0.126	<1	2.09	0.011	0.42	0.1	0.01	4.8	0.4	<0.05	7	<0.5	<0.2
1465686	Soil	33	60	1.40	305	0.172	<1	2.42	0.014	0.72	<0.1	0.01	8.1	0.4	<0.05	8	<0.5	<0.2
1628388	Soil	10	14	1.39	771	0.117	<1	2.46	0.060	0.32	<0.1	<0.01	12.3	0.1	<0.05	8	<0.5	<0.2
1465694	Soil	35	56	0.92	267	0.216	<1	2.33	0.009	0.79	<0.1	<0.01	6.4	0.6	<0.05	8	<0.5	<0.2
1465691	Soil	39	82	1.95	299	0.263	<1	2.51	0.008	1.22	0.2	<0.01	6.6	1.0	<0.05	11	<0.5	<0.2
1465688	Soil	53	44	0.94	420	0.198	<1	2.30	0.009	0.98	<0.1	0.01	4.9	0.5	<0.05	8	<0.5	<0.2
1628393	Soil	27	63	1.03	320	0.148	<1	2.46	0.010	0.86	<0.1	<0.01	8.1	0.5	<0.05	8	<0.5	<0.2
1465679	Soil	15	33	0.67	568	0.081	2	1.70	0.019	0.20	0.1	0.05	7.7	0.1	0.06	5	0.8	<0.2
1465678	Soil	14	30	0.67	351	0.069	2	1.29	0.025	0.12	0.2	0.04	5.9	<0.1	<0.05	4	0.9	<0.2
1465695	Soil	51	45	1.01	289	0.279	<1	2.53	0.010	0.94	<0.1	<0.01	6.1	0.6	<0.05	8	<0.5	<0.2
1628391	Soil	9	13	0.98	484	0.104	<1	2.40	0.010	0.55	<0.1	0.01	17.8	0.2	<0.05	11	<0.5	<0.2
1465681	Soil	17	29	0.53	471	0.054	2	1.37	0.017	0.14	0.1	0.05	7.0	0.1	<0.05	4	0.5	<0.2
1465677	Soil	12	33	0.65	453	0.070	2	1.16	0.026	0.11	0.2	0.03	5.9	<0.1	<0.05	4	0.6	<0.2
1465676	Soil	13	31	0.64	415	0.071	2	1.25	0.026	0.09	0.2	0.03	5.8	<0.1	<0.05	4	<0.5	<0.2
1628392	Soil	15	18	0.88	338	0.121	<1	2.27	0.017	0.40	<0.1	0.01	15.4	0.2	<0.05	10	<0.5	<0.2
1465682	Soil	16	24	0.47	511	0.059	2	1.19	0.019	0.16	0.2	0.04	5.2	0.1	<0.05	5	0.6	<0.2
1465685	Soil	21	64	1.52	350	0.201	<1	2.29	0.015	0.73	<0.1	0.01	6.8	0.4	<0.05	9	<0.5	<0.2
1465680	Soil	16	34	0.79	610	0.103	2	1.59	0.015	0.39	0.1	0.04	9.1	0.2	<0.05	6	<0.5	<0.2
1628376	Soil	12	42	1.26	342	0.179	<1	2.27	0.022	0.25	<0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2



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Method Analyte	Unit	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
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
1515685	Soil	0.9	34.5	14.0	71	<0.1	35.2	12.4	400	3.06	6.8	1.1	3.1	7.3	34	<0.1	0.4	0.2	57	0.55	0.061
1465684	Soil	0.8	21.7	8.1	79	<0.1	15.5	15.6	546	4.83	3.9	0.9	3.9	5.1	22	<0.1	0.2	0.1	94	0.43	0.091
1465683	Soil	1.0	35.7	7.1	95	<0.1	18.5	21.1	613	6.28	1.5	1.2	<0.5	5.9	20	<0.1	0.1	0.1	131	0.52	0.131
1628377	Soil	0.2	139.8	2.6	53	<0.1	57.3	30.0	508	4.16	1.8	0.2	1.6	1.0	34	<0.1	<0.1	<0.1	153	0.95	0.128
1515700	Soil	0.6	47.6	8.8	52	<0.1	24.6	11.1	279	2.88	8.5	2.2	4.0	6.1	38	0.1	0.5	0.2	61	0.59	0.083
1515678	Soil	0.9	34.6	9.9	56	<0.1	25.5	10.2	375	3.08	8.5	1.3	2.9	6.1	31	0.1	0.4	0.1	65	0.50	0.070
1515681	Soil	0.7	33.3	8.8	67	<0.1	29.3	12.8	341	2.78	7.5	2.2	4.3	5.7	33	0.3	0.7	0.2	57	0.68	0.095
1628378	Soil	0.9	185.8	7.4	99	<0.1	44.3	29.3	1123	5.08	1.8	0.6	4.0	5.6	21	<0.1	0.1	0.3	131	0.67	0.174
1515687	Soil	1.1	42.5	12.5	65	<0.1	32.1	12.9	818	2.85	6.0	1.7	4.5	7.4	37	0.3	0.5	0.2	55	0.53	0.056
1515680	Soil	1.2	43.0	11.6	81	<0.1	34.9	15.4	406	3.68	5.7	0.9	111.4	10.1	29	<0.1	0.4	0.2	70	0.48	0.059
1515684	Soil	0.9	39.0	11.3	70	<0.1	34.6	12.7	375	3.27	7.0	1.1	9.8	9.0	34	0.1	0.5	0.2	61	0.61	0.057
1628379	Soil	0.5	110.9	6.0	64	0.2	35.8	17.6	451	3.04	4.9	1.0	3.4	2.4	38	0.2	0.3	<0.1	94	1.04	0.107
1515686	Soil	1.1	26.6	11.5	60	<0.1	26.4	10.0	288	2.73	6.9	1.2	1.3	6.5	33	<0.1	0.4	0.2	58	0.52	0.054
1515677	Soil	1.2	31.3	12.0	71	<0.1	20.3	10.1	501	3.80	4.9	1.4	4.5	10.1	21	<0.1	0.3	0.2	67	0.33	0.050
1515682	Soil	0.8	30.8	9.5	55	<0.1	29.2	11.4	437	2.95	7.5	1.5	4.2	7.0	37	<0.1	0.5	0.2	62	0.59	0.048
1628381	Soil	1.5	29.6	16.5	64	<0.1	31.0	12.0	367	3.23	7.2	1.0	3.8	7.4	25	<0.1	0.4	0.2	79	0.44	0.020
1515676	Soil	1.3	29.4	15.4	73	<0.1	24.2	9.9	484	3.48	6.9	1.4	3.2	7.6	29	<0.1	0.4	0.2	71	0.51	0.060
1515679	Soil	0.6	26.2	6.9	51	<0.1	24.6	10.5	396	2.96	7.6	1.0	6.9	6.0	36	<0.1	0.4	0.1	66	0.58	0.090
1515683	Soil	0.7	39.6	16.5	125	<0.1	48.5	18.6	509	4.72	2.3	1.5	5.1	22.4	22	<0.1	0.2	0.2	61	0.37	0.068
1628380	Soil	0.6	105.8	8.4	95	0.1	25.4	21.8	1011	4.91	4.4	0.5	2.6	2.5	38	0.1	0.3	0.1	138	0.95	0.144
1515696	Soil	0.7	37.2	10.0	61	0.1	30.2	12.3	422	2.86	7.0	1.5	6.3	7.0	42	0.1	0.5	0.2	58	0.75	0.053
1515709	Soil	1.1	113.3	10.2	89	<0.1	28.4	22.4	554	4.86	2.9	0.5	1.0	1.9	42	0.3	0.2	0.1	147	1.12	0.257
1515702	Soil	0.6	36.8	8.0	57	0.1	27.5	10.9	424	2.82	8.2	2.6	6.4	5.2	42	0.1	0.5	0.2	67	0.70	0.061
1515704	Soil	0.7	29.8	12.0	59	0.1	19.2	9.2	422	2.92	6.0	1.5	4.3	5.2	36	<0.1	0.3	0.2	59	0.70	0.070
1515691	Soil	0.7	28.3	9.5	64	<0.1	24.7	10.3	346	2.99	6.9	1.6	20.3	6.9	38	0.1	0.4	0.2	65	0.55	0.063
1515695	Soil	0.6	30.6	10.3	65	<0.1	27.5	10.8	370	2.93	7.0	1.2	4.6	8.1	35	0.1	0.5	0.2	58	0.58	0.061
1515707	Soil	0.4	186.4	5.6	62	0.2	36.6	36.3	1134	4.53	4.1	0.4	3.5	2.0	34	0.1	0.4	<0.1	140	0.80	0.095
1515711	Soil	0.5	30.5	10.0	63	<0.1	23.7	10.7	526	2.59	8.8	1.0	6.1	3.6	53	0.2	0.6	0.2	57	1.40	0.079
1515699	Soil	0.6	25.6	7.7	53	<0.1	23.2	10.9	376	2.82	8.1	1.1	9.1	5.8	38	0.1	0.5	0.1	62	0.60	0.079
1515697	Soil	0.6	32.1	9.2	58	0.1	28.4	10.7	422	2.70	7.1	1.7	4.0	6.0	46	0.1	0.5	0.2	57	0.70	0.063



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Method	Analyte	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
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1515685	Soil	25	45	0.66	301	0.102	1	1.75	0.021	0.12	0.2	0.03	5.0	0.2	<0.05	6	<0.5	<0.2
1465684	Soil	18	33	1.51	452	0.200	<1	2.56	0.013	0.82	0.1	<0.01	8.9	0.4	<0.05	9	<0.5	<0.2
1465683	Soil	21	54	2.37	454	0.237	<1	3.41	0.016	1.24	<0.1	0.01	16.5	0.4	<0.05	14	<0.5	<0.2
1628377	Soil	6	102	2.42	410	0.177	<1	2.48	0.081	0.40	<0.1	<0.01	14.0	0.4	<0.05	8	<0.5	<0.2
1515700	Soil	22	35	0.59	312	0.078	1	1.50	0.023	0.07	0.2	0.04	5.3	<0.1	<0.05	4	0.5	<0.2
1515678	Soil	27	40	0.67	319	0.099	<1	1.55	0.024	0.18	0.2	0.03	6.9	0.1	<0.05	5	<0.5	<0.2
1515681	Soil	17	33	0.61	271	0.087	1	1.27	0.027	0.09	0.2	0.04	4.8	0.1	<0.05	4	0.6	<0.2
1628378	Soil	13	47	2.16	1119	0.189	1	3.25	0.017	1.11	<0.1	<0.01	12.9	0.4	<0.05	14	<0.5	<0.2
1515687	Soil	32	41	0.62	341	0.097	<1	1.70	0.018	0.11	0.2	0.03	5.9	0.1	<0.05	6	<0.5	<0.2
1515680	Soil	28	51	1.04	308	0.158	<1	2.08	0.023	0.52	0.1	0.02	7.1	0.3	<0.05	7	<0.5	<0.2
1515684	Soil	31	45	0.63	293	0.115	<1	1.77	0.019	0.22	0.2	0.03	6.5	0.2	<0.05	6	<0.5	<0.2
1628379	Soil	13	42	0.99	605	0.081	1	1.59	0.028	0.18	0.2	0.04	10.9	0.1	<0.05	6	<0.5	<0.2
1515686	Soil	23	38	0.59	275	0.111	3	1.53	0.021	0.12	0.2	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
1515677	Soil	25	30	0.71	416	0.151	<1	1.83	0.015	0.59	0.2	0.04	7.9	0.3	<0.05	7	<0.5	<0.2
1515682	Soil	29	39	0.61	298	0.116	1	1.67	0.025	0.13	0.2	0.03	5.3	0.1	<0.05	5	<0.5	<0.2
1628381	Soil	22	48	0.65	300	0.106	2	2.05	0.018	0.20	0.1	0.02	8.4	0.2	<0.05	6	<0.5	<0.2
1515676	Soil	31	42	0.75	495	0.129	2	2.09	0.019	0.27	0.2	0.02	8.4	0.2	<0.05	7	0.8	<0.2
1515679	Soil	21	38	0.70	275	0.111	2	1.43	0.028	0.19	0.2	0.02	6.3	0.1	<0.05	5	<0.5	<0.2
1515683	Soil	63	56	1.13	351	0.241	1	2.60	0.014	1.23	<0.1	<0.01	6.9	0.7	<0.05	9	<0.5	<0.2
1628380	Soil	11	31	1.46	903	0.180	<1	2.36	0.036	0.66	0.1	0.04	8.8	0.2	<0.05	8	<0.5	<0.2
1515696	Soil	34	36	0.56	330	0.107	2	1.64	0.024	0.14	0.2	0.05	5.9	0.1	<0.05	5	<0.5	<0.2
1515709	Soil	6	49	1.44	384	0.214	1	2.68	0.045	0.84	<0.1	<0.01	8.2	0.2	<0.05	9	<0.5	<0.2
1515702	Soil	21	34	0.62	356	0.097	2	1.59	0.028	0.08	0.2	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
1515704	Soil	26	27	0.57	673	0.090	1	1.57	0.019	0.22	0.2	0.04	7.2	0.1	<0.05	5	0.7	<0.2
1515691	Soil	22	35	0.63	265	0.125	1	1.71	0.025	0.18	0.2	0.04	5.9	0.1	<0.05	5	0.5	<0.2
1515695	Soil	31	39	0.60	280	0.119	<1	1.72	0.023	0.18	0.1	0.04	5.6	0.2	<0.05	6	<0.5	<0.2
1515707	Soil	7	24	1.66	456	0.104	2	2.35	0.044	0.14	<0.1	0.05	14.5	0.1	<0.05	7	<0.5	<0.2
1515711	Soil	15	26	0.53	447	0.082	3	1.26	0.027	0.10	0.2	0.04	4.9	<0.1	<0.05	4	<0.5	<0.2
1515699	Soil	22	33	0.58	240	0.102	1	1.48	0.027	0.11	0.2	0.03	4.4	<0.1	<0.05	5	0.6	<0.2
1515697	Soil	23	33	0.57	329	0.101	2	1.61	0.028	0.10	0.2	0.04	5.4	0.1	<0.05	5	0.6	<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	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
1515705	Soil	0.5	34.1	20.4	61	0.1	29.1	11.0	542	2.65	9.3	0.8	2.5	2.5	62	0.3	0.7	0.3	62	1.83	0.062
1515710	Soil	0.6	35.8	8.3	72	<0.1	29.5	11.7	366	2.70	7.5	1.5	3.3	4.5	52	0.3	0.6	0.1	65	0.92	0.088
1515692	Soil	0.6	30.0	10.9	60	<0.1	27.2	11.4	406	3.02	6.7	1.8	7.6	7.6	39	0.1	0.4	0.2	61	0.61	0.051
1515689	Soil	0.6	32.0	11.5	71	<0.1	25.7	12.5	414	3.55	5.2	1.4	3.0	9.2	31	<0.1	0.4	0.2	67	0.51	0.056
1515706	Soil	0.7	33.9	9.4	60	<0.1	27.3	11.8	442	3.03	8.8	0.7	3.2	4.0	46	<0.1	0.7	0.2	76	0.87	0.042
1515701	Soil	0.8	41.9	9.2	62	<0.1	30.1	11.6	388	3.01	8.1	1.8	3.1	7.8	39	0.1	0.5	0.2	62	0.57	0.051
1566642	Soil	0.6	71.5	5.5	75	<0.1	40.4	16.2	1128	3.81	6.7	0.9	4.5	3.9	44	<0.1	0.4	0.1	102	0.71	0.085
1566639	Soil	0.4	101.3	4.2	127	<0.1	23.6	25.9	1161	7.68	3.9	0.5	<0.5	3.4	48	<0.1	0.1	<0.1	227	0.93	0.244
1515698	Soil	0.7	38.8	8.9	52	0.1	31.7	10.1	499	2.75	5.9	2.1	1.9	7.1	43	0.2	0.4	0.2	61	0.61	0.069
1515708	Soil	0.8	56.6	9.1	64	<0.1	37.1	13.4	557	3.23	8.4	1.1	4.4	6.2	34	<0.1	0.6	0.2	77	0.46	0.029
1566626	Soil	0.5	53.6	11.9	113	<0.1	38.8	16.3	385	4.16	5.0	1.2	1.0	16.3	25	<0.1	0.3	0.2	73	0.36	0.045
1566641	Soil	0.3	62.2	7.0	37	<0.1	66.4	23.0	527	3.41	4.2	0.4	1.1	1.9	29	<0.1	0.2	<0.1	88	0.74	0.034
1515690	Soil	0.7	31.9	12.0	75	<0.1	23.3	11.9	418	3.56	5.2	1.4	3.8	7.7	33	<0.1	0.3	0.2	68	0.49	0.054
1515703	Soil	0.8	25.7	11.1	74	<0.1	18.5	11.5	482	3.59	5.6	1.3	3.8	6.8	30	0.1	0.3	0.2	69	0.49	0.058
1566627	Soil	0.7	25.3	29.6	116	<0.1	25.8	11.3	411	3.47	4.2	1.1	0.5	10.3	17	<0.1	0.3	0.2	52	0.21	0.036
1566643	Soil	1.0	36.0	8.1	57	<0.1	25.8	12.4	684	3.12	9.1	1.0	0.6	4.4	32	0.2	0.7	0.2	77	0.51	0.040
1515693	Soil	0.8	25.8	11.2	62	<0.1	24.9	9.9	373	2.83	6.2	1.3	3.2	7.0	35	<0.1	0.4	0.2	59	0.51	0.064
1515688	Soil	0.7	31.2	13.4	69	<0.1	30.2	12.5	388	3.63	6.3	1.4	0.6	12.8	29	<0.1	0.4	0.2	56	0.40	0.052
1566631	Soil	1.8	13.2	8.8	60	<0.1	13.5	7.8	308	3.30	8.9	0.6	6.3	3.8	14	<0.1	0.5	0.3	72	0.16	0.032
1566640	Soil	0.3	63.9	2.6	45	<0.1	36.1	25.7	438	3.76	3.2	0.2	0.5	1.2	27	<0.1	0.2	0.1	152	0.83	0.051
1566638	Soil	0.9	41.8	7.3	66	<0.1	23.3	12.0	435	3.24	8.2	0.5	1.0	2.7	20	<0.1	0.6	0.2	83	0.26	0.033
1515694	Soil	0.7	30.6	10.0	58	<0.1	24.1	10.8	397	2.57	6.9	1.4	6.0	6.5	42	0.2	0.4	0.2	58	0.65	0.074
1566635	Soil	1.1	17.3	13.9	107	0.1	14.4	11.9	998	3.33	4.0	0.3	<0.5	1.2	31	0.6	0.3	0.2	97	0.47	0.053
1566630	Soil	1.0	24.7	18.7	69	<0.1	18.9	10.0	519	3.17	6.9	1.1	0.9	5.4	22	0.1	0.4	0.2	71	0.35	0.057
1566649	Soil	0.5	77.3	6.1	64	0.1	29.5	13.8	546	3.26	6.8	1.0	6.7	3.7	39	0.1	0.4	0.1	92	0.76	0.084
1566644	Soil	0.6	44.7	8.4	57	<0.1	26.6	12.3	393	3.29	10.0	1.7	2.0	4.7	37	<0.1	0.6	0.1	82	0.55	0.046
1566634	Soil	0.3	44.4	2.8	72	<0.1	15.2	18.8	532	4.54	2.0	0.5	<0.5	2.6	22	<0.1	0.1	<0.1	123	0.82	0.115
1566633	Soil	0.8	23.2	25.1	53	<0.1	26.9	10.2	370	2.87	10.5	0.6	4.0	4.2	45	0.1	0.5	0.3	73	1.45	0.024
1566648	Soil	0.6	66.3	6.7	56	0.1	27.9	11.8	708	2.95	6.1	0.9	2.8	3.0	47	0.1	0.5	0.1	82	1.21	0.081
1566645	Soil	1.1	28.7	10.1	65	<0.1	26.0	12.1	382	3.08	9.2	1.4	3.4	6.5	25	<0.1	0.6	0.2	72	0.36	0.034



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Method Analyte	Unit	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
MDL		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	0.01	0.01	0.01	0.05	1	0.5	0.2	
1515705	Soil	15	31	0.60	539	0.071	2	1.59	0.034	0.07	0.2	0.06	5.3	<0.1	<0.05	5	<0.5	<0.2
1515710	Soil	17	31	0.68	349	0.105	2	1.44	0.042	0.09	0.3	0.05	4.8	<0.1	<0.05	4	<0.5	<0.2
1515692	Soil	27	36	0.60	303	0.120	2	1.79	0.022	0.14	0.1	0.03	5.4	0.1	<0.05	5	0.5	<0.2
1515689	Soil	30	38	0.78	330	0.166	1	2.07	0.021	0.42	0.1	0.04	7.0	0.2	<0.05	6	0.5	<0.2
1515706	Soil	16	36	0.71	370	0.099	3	1.82	0.032	0.07	0.2	0.05	6.4	<0.1	<0.05	5	0.6	<0.2
1515701	Soil	27	37	0.66	329	0.119	2	1.76	0.026	0.18	0.2	0.03	6.1	0.2	<0.05	6	0.5	<0.2
1566642	Soil	21	40	1.55	688	0.151	1	2.52	0.022	0.25	0.1	0.02	8.8	0.1	<0.05	7	<0.5	<0.2
1566639	Soil	11	41	2.79	562	0.297	<1	3.46	0.031	1.60	<0.1	<0.01	15.3	0.9	<0.05	13	0.6	<0.2
1515698	Soil	39	36	0.57	391	0.108	<1	1.68	0.024	0.10	0.2	0.04	6.1	0.1	<0.05	5	<0.5	<0.2
1515708	Soil	21	40	0.78	594	0.109	<1	2.36	0.025	0.12	0.1	0.06	9.2	<0.1	<0.05	7	<0.5	<0.2
1566626	Soil	47	57	1.11	395	0.163	<1	2.40	0.024	0.68	<0.1	0.02	8.1	0.4	<0.05	9	0.6	<0.2
1566641	Soil	10	380	2.12	334	0.156	<1	2.07	0.022	0.29	<0.1	0.02	12.8	0.2	<0.05	6	<0.5	<0.2
1515690	Soil	27	35	0.84	356	0.163	1	1.96	0.021	0.37	0.1	0.04	7.3	0.2	<0.05	7	<0.5	<0.2
1515703	Soil	19	32	0.72	437	0.148	1	1.96	0.021	0.40	0.2	0.02	7.8	0.2	<0.05	7	<0.5	<0.2
1566627	Soil	24	30	0.89	282	0.169	<1	2.11	0.012	0.57	0.1	0.02	4.4	0.4	<0.05	6	<0.5	<0.2
1566643	Soil	13	37	0.65	352	0.103	<1	1.72	0.021	0.14	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1515693	Soil	24	33	0.62	290	0.112	<1	1.80	0.021	0.12	0.2	0.03	5.2	0.1	<0.05	5	<0.5	<0.2
1515688	Soil	35	36	0.67	268	0.127	<1	1.82	0.023	0.35	0.1	0.03	5.8	0.2	<0.05	6	0.5	<0.2
1566631	Soil	11	27	0.43	175	0.085	2	1.55	0.007	0.23	0.1	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
1566640	Soil	11	73	2.14	320	0.153	1	2.44	0.065	0.38	<0.1	<0.01	11.5	0.2	<0.05	5	<0.5	<0.2
1566638	Soil	8	35	0.73	255	0.099	2	2.10	0.010	0.17	0.1	0.01	4.7	0.1	<0.05	6	<0.5	<0.2
1515694	Soil	27	33	0.57	318	0.088	2	1.80	0.026	0.10	0.2	0.04	5.2	<0.1	<0.05	4	<0.5	<0.2
1566635	Soil	7	27	0.59	399	0.073	2	1.87	0.022	0.10	<0.1	0.02	5.9	<0.1	<0.05	8	<0.5	<0.2
1566630	Soil	16	31	0.74	278	0.133	1	1.95	0.012	0.41	0.1	0.02	5.4	0.2	<0.05	7	<0.5	<0.2
1566649	Soil	15	38	0.97	568	0.120	2	1.76	0.026	0.26	0.2	0.04	8.0	0.1	<0.05	6	<0.5	<0.2
1566644	Soil	23	38	0.91	413	0.114	2	1.74	0.038	0.11	0.1	0.05	10.0	<0.1	<0.05	5	<0.5	<0.2
1566634	Soil	12	38	1.68	381	0.151	<1	2.51	0.047	0.47	<0.1	<0.01	13.7	0.2	<0.05	9	<0.5	<0.2
1566633	Soil	18	39	0.55	276	0.068	1	2.06	0.021	0.05	0.1	0.03	7.6	<0.1	<0.05	5	<0.5	<0.2
1566648	Soil	15	41	0.88	690	0.092	2	1.79	0.038	0.17	0.1	0.04	8.6	0.1	<0.05	6	<0.5	<0.2
1566645	Soil	20	42	0.64	335	0.095	2	2.00	0.016	0.17	0.1	0.02	9.0	0.1	<0.05	6	<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	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	
1566637	Soil	0.6	43.6	10.1	125	<0.1	80.1	22.1	719	5.26	3.0	1.0	0.7	6.6	61	0.8	0.3	0.4	130	3.71	0.240
1566632	Soil	0.7	110.8	8.5	110	<0.1	37.4	20.5	1496	4.64	3.7	0.9	2.4	4.9	19	<0.1	0.3	0.2	113	0.48	0.054
1566629	Soil	0.8	22.8	6.0	75	<0.1	13.8	13.9	517	4.40	4.7	0.6	0.6	5.2	19	<0.1	0.3	0.1	93	0.23	0.048
1566647	Soil	0.6	62.4	8.2	70	0.1	36.4	13.4	906	2.71	6.6	1.2	3.3	4.1	45	0.2	0.6	0.2	78	1.00	0.081
1566636	Soil	7.1	39.2	24.7	293	0.4	81.4	20.7	2271	3.62	48.6	1.0	12.3	1.0	155	2.3	1.1	0.3	313	17.32	0.130
1566651	Soil	0.7	57.1	4.5	67	<0.1	26.1	12.9	460	3.49	3.5	0.5	1.1	2.8	30	0.2	0.3	0.1	99	0.74	0.092
1566628	Soil	0.5	53.8	7.4	64	<0.1	42.7	19.9	513	3.57	3.7	0.7	<0.5	5.0	41	<0.1	0.2	<0.1	90	0.39	0.038
1566646	Soil	0.6	29.6	9.0	60	<0.1	22.9	10.4	493	3.15	8.6	0.9	2.1	4.4	30	<0.1	0.5	0.1	61	0.59	0.038
1566718	Soil	0.4	92.7	4.9	71	<0.1	29.0	17.1	562	4.08	4.5	0.9	1.0	9.0	33	<0.1	0.3	<0.1	112	0.88	0.177
1566720	Soil	0.7	40.0	8.6	78	<0.1	31.0	12.0	452	2.76	7.8	0.9	3.2	3.6	44	0.5	0.5	0.1	80	0.86	0.092
1566719	Soil	0.6	61.2	9.3	57	<0.1	30.7	12.8	527	2.92	8.5	0.7	2.5	4.2	36	0.1	0.6	0.1	73	0.54	0.053
1566656	Soil	0.3	25.8	22.9	48	0.1	18.0	7.6	617	1.79	4.5	1.0	0.9	0.7	74	0.3	0.3	0.2	46	2.49	0.076
1566713	Soil	0.8	29.8	7.6	62	<0.1	20.9	9.8	323	2.63	7.7	1.4	5.1	5.6	36	0.1	0.5	0.1	57	0.53	0.068
1566714	Soil	0.7	28.3	10.2	61	0.1	19.5	9.4	389	2.61	6.2	1.5	26.4	5.1	38	0.2	0.4	0.2	56	0.65	0.063
1566717	Soil	0.6	73.2	7.3	69	<0.1	26.9	14.7	461	3.54	6.8	0.6	4.1	3.0	37	<0.1	0.5	0.1	86	0.66	0.056
1566652	Soil	0.8	60.0	11.0	113	<0.1	30.6	18.8	635	5.16	4.0	0.6	1.4	2.1	56	0.6	0.2	0.1	150	1.43	0.205
1566710	Soil	0.6	17.2	8.5	54	<0.1	19.4	10.0	325	2.49	7.2	1.4	7.9	4.9	34	<0.1	0.3	0.1	53	0.47	0.062
1566715	Soil	0.8	30.9	7.8	64	<0.1	23.6	9.8	411	2.47	9.2	0.7	3.9	4.0	65	0.3	0.7	0.1	60	2.06	0.091
1566716	Soil	1.2	77.1	9.2	113	0.2	51.2	17.0	459	3.14	7.6	1.0	1.3	2.6	60	1.5	0.4	0.1	115	1.52	0.248
1566653	Soil	4.4	83.8	35.8	300	0.5	75.0	21.1	870	4.23	4.6	1.1	1.7	2.7	87	4.5	0.3	0.3	314	2.34	0.547
1566712	Soil	0.7	24.3	8.5	51	<0.1	21.1	9.9	320	2.62	6.9	1.6	2.2	5.9	35	<0.1	0.4	0.1	56	0.56	0.054
1566706	Soil	0.6	20.2	8.5	60	<0.1	22.2	10.2	378	2.45	6.0	1.0	2.1	3.8	52	<0.1	0.4	0.1	55	0.63	0.070
1566711	Soil	0.7	25.0	9.0	70	<0.1	20.8	11.9	278	3.06	7.2	0.8	2.8	6.8	31	<0.1	0.4	0.1	65	0.49	0.063
1566650	Soil	0.5	79.3	6.8	62	0.1	27.4	14.6	448	3.21	6.9	1.0	2.6	3.8	39	<0.1	0.4	0.1	86	0.69	0.076
1566727	Soil	0.7	40.9	7.2	52	<0.1	23.8	9.9	262	2.15	5.9	0.6	4.5	2.1	41	0.2	0.4	0.2	57	0.80	0.071
1566731	Soil	0.8	34.1	8.2	59	0.1	25.7	11.1	477	2.47	6.6	2.2	3.9	4.3	44	0.2	0.4	0.2	58	0.65	0.059
1566732	Soil	0.8	30.8	8.6	52	<0.1	22.8	11.5	369	2.80	7.6	2.2	3.2	4.8	33	<0.1	0.4	0.2	64	0.56	0.057
1566654	Soil	1.8	44.9	11.0	74	<0.1	27.7	14.3	474	3.82	6.4	0.3	1.6	2.7	25	0.1	0.3	0.2	104	0.44	0.054
1566728	Soil	1.0	28.4	10.0	58	0.1	23.0	11.5	544	2.61	6.3	1.9	3.0	5.2	37	0.2	0.3	0.2	56	0.50	0.063
1566721	Soil	0.5	27.3	7.3	50	<0.1	23.1	10.6	412	2.37	6.6	1.0	0.9	2.9	46	0.1	0.5	0.1	59	1.02	0.055



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	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1566637	Soil	22	32	1.28	507	0.318	<1	2.72	0.011	1.13	<0.1	0.05	7.5	0.3	<0.05	11	<0.5	<0.2
1566632	Soil	14	27	0.82	1127	0.133	3	1.94	0.010	0.74	<0.1	0.02	19.3	0.4	<0.05	8	<0.5	<0.2
1566629	Soil	13	27	1.26	341	0.180	1	2.32	0.015	0.73	<0.1	0.01	8.8	0.3	<0.05	9	<0.5	<0.2
1566647	Soil	20	39	0.72	551	0.090	3	1.71	0.028	0.14	0.1	0.04	9.4	0.1	<0.05	6	<0.5	<0.2
1566636	Soil	13	39	0.59	465	0.020	2	1.09	0.010	0.06	0.2	0.09	10.7	0.4	0.06	4	1.4	<0.2
1566651	Soil	12	46	1.14	400	0.130	1	1.95	0.022	0.41	0.1	0.02	7.7	0.2	<0.05	7	<0.5	<0.2
1566628	Soil	10	89	1.57	365	0.230	1	2.34	0.016	0.69	<0.1	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
1566646	Soil	17	31	0.60	365	0.078	1	1.71	0.023	0.11	0.1	0.03	9.0	<0.1	<0.05	5	<0.5	<0.2
1566718	Soil	27	43	1.87	786	0.142	<1	3.30	0.034	0.36	<0.1	<0.01	11.1	0.2	<0.05	12	<0.5	<0.2
1566720	Soil	14	39	0.75	363	0.106	2	1.65	0.028	0.10	0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2
1566719	Soil	15	36	0.67	564	0.100	1	1.88	0.028	0.07	0.1	0.06	7.1	<0.1	<0.05	6	<0.5	<0.2
1566656	Soil	11	24	0.57	338	0.033	3	1.29	0.018	0.06	<0.1	0.06	3.4	<0.1	<0.05	4	<0.5	<0.2
1566713	Soil	18	33	0.56	327	0.097	2	1.42	0.023	0.15	0.2	0.02	5.1	0.1	<0.05	5	<0.5	<0.2
1566714	Soil	20	28	0.57	623	0.091	1	1.69	0.020	0.17	0.2	0.05	7.5	0.1	<0.05	6	<0.5	<0.2
1566717	Soil	12	35	0.94	406	0.157	1	2.05	0.028	0.21	0.1	0.03	7.5	0.1	<0.05	7	<0.5	<0.2
1566652	Soil	8	37	1.85	488	0.151	1	2.79	0.026	0.48	<0.1	0.02	11.1	0.3	<0.05	9	<0.5	<0.2
1566710	Soil	16	30	0.50	225	0.088	1	1.45	0.020	0.07	0.2	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
1566715	Soil	14	27	0.77	297	0.081	2	1.28	0.033	0.11	0.2	0.03	4.1	0.1	<0.05	4	<0.5	<0.2
1566716	Soil	13	44	0.72	377	0.069	2	1.68	0.026	0.10	0.1	0.04	8.4	<0.1	<0.05	5	0.8	<0.2
1566653	Soil	14	74	0.98	436	0.070	2	1.92	0.038	0.11	0.2	0.04	14.8	0.3	<0.05	6	3.7	<0.2
1566712	Soil	30	33	0.49	369	0.093	1	1.53	0.019	0.09	0.2	0.04	4.9	0.1	<0.05	5	<0.5	<0.2
1566706	Soil	17	33	0.62	285	0.107	2	1.30	0.026	0.14	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
1566711	Soil	21	38	0.67	281	0.121	1	1.64	0.019	0.21	0.2	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
1566650	Soil	14	41	0.90	664	0.105	1	1.84	0.030	0.17	0.2	0.04	9.3	0.1	<0.05	5	<0.5	<0.2
1566727	Soil	9	41	0.62	285	0.079	3	1.16	0.026	0.07	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
1566731	Soil	20	32	0.51	323	0.079	2	1.42	0.024	0.06	0.2	0.04	4.8	<0.1	<0.05	4	<0.5	<0.2
1566732	Soil	18	33	0.58	371	0.093	2	1.54	0.021	0.07	0.2	0.03	5.5	0.1	<0.05	5	<0.5	<0.2
1566654	Soil	8	45	0.97	239	0.135	1	2.01	0.013	0.49	0.1	0.02	5.6	0.2	<0.05	8	<0.5	<0.2
1566728	Soil	24	34	0.54	301	0.086	2	1.53	0.016	0.07	0.2	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
1566721	Soil	13	29	0.55	301	0.076	3	1.29	0.030	0.05	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	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	2	0.01	0.001	
1566726	Soil	0.6	29.2	9.5	66	<0.1	22.9	10.5	308	2.50	5.4	1.0	1.3	3.6	47	<0.1	0.3	0.1	61	0.62	0.071
1566658	Soil	0.9	61.8	18.8	92	<0.1	32.5	15.7	1218	3.93	7.2	1.0	3.9	5.6	20	0.1	0.2	0.2	81	0.50	0.069
1566730	Soil	0.6	27.3	8.3	62	<0.1	22.1	11.6	333	3.05	6.2	1.2	5.8	6.2	32	<0.1	0.3	0.2	65	0.52	0.062
1566725	Soil	0.7	27.1	9.5	67	<0.1	22.2	12.7	276	2.64	5.6	1.9	5.2	4.1	65	0.1	0.3	0.1	62	0.62	0.071
1566729	Soil	0.6	33.2	10.5	69	0.2	29.9	12.4	321	3.15	5.0	1.2	456.1	9.2	33	0.2	0.3	0.2	63	0.52	0.064
1566655	Soil	1.0	31.9	8.8	48	<0.1	26.2	12.0	271	2.86	7.7	1.7	4.0	5.3	22	<0.1	0.7	0.1	70	0.36	0.024
1566722	Soil	0.4	24.4	10.3	50	<0.1	19.6	9.3	488	2.27	5.9	0.8	4.0	2.6	46	0.1	0.4	0.1	52	1.46	0.060
1566723	Soil	0.8	29.6	7.6	53	<0.1	22.4	9.7	454	2.48	6.1	1.7	2.8	3.2	48	0.2	0.4	0.1	60	0.74	0.055
1566724	Soil	0.7	25.9	9.4	69	<0.1	23.8	13.0	288	2.72	6.1	1.6	2.3	4.1	67	0.1	0.3	0.1	61	0.68	0.072
1566657	Soil	0.5	26.3	27.0	58	0.2	25.4	10.8	775	2.53	6.7	0.7	3.5	1.3	64	0.3	0.4	0.3	63	2.21	0.057
1566703	Soil	0.4	27.1	9.1	50	<0.1	20.7	8.8	418	2.00	5.9	1.0	2.0	1.7	61	0.2	0.5	0.1	48	1.70	0.058
1566707	Soil	0.6	52.2	10.0	61	0.1	30.9	15.6	382	2.69	5.4	1.1	1.7	2.8	52	0.1	0.3	0.1	73	0.73	0.071
1566705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1566704	Soil	0.8	25.8	9.2	54	<0.1	17.9	10.5	395	2.68	7.2	1.2	7.5	4.3	31	0.2	0.4	0.1	60	0.59	0.054
1566709	Soil	0.8	14.3	8.4	51	<0.1	15.2	8.7	263	2.37	6.1	0.7	10.3	4.1	31	0.2	0.3	0.1	58	0.47	0.045
1566708	Soil	0.4	101.9	6.4	49	0.1	45.7	14.2	444	2.41	4.4	1.0	2.6	1.9	48	0.2	0.5	0.1	65	1.00	0.081
1566702	Soil	0.6	32.8	7.7	57	<0.1	26.4	10.4	405	2.50	7.1	1.1	2.8	3.0	47	0.3	0.5	0.1	64	0.96	0.075
1566701	Soil	0.5	187.2	6.2	48	<0.1	108.6	26.0	472	3.56	3.0	0.7	1.9	2.3	40	0.2	0.2	<0.1	99	0.80	0.066



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CERTIFICATE OF ANALYSIS

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Method	Analyte	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	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1566726	Soil	17	33	0.71	282	0.115	2	1.37	0.024	0.18	0.2	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
1566658	Soil	17	25	0.63	1344	0.078	2	1.55	0.009	0.38	0.1	0.01	11.4	0.2	<0.05	5	<0.5	<0.2
1566730	Soil	24	38	0.70	284	0.129	1	1.71	0.019	0.26	0.1	0.02	5.1	0.1	<0.05	6	<0.5	<0.2
1566725	Soil	17	33	0.71	258	0.115	2	1.34	0.020	0.21	0.2	0.03	4.7	0.1	0.06	5	<0.5	<0.2
1566729	Soil	25	44	0.71	252	0.137	1	1.75	0.016	0.31	0.1	0.03	5.4	0.2	<0.05	6	<0.5	<0.2
1566655	Soil	25	43	0.57	305	0.085	1	1.66	0.016	0.11	0.1	0.04	8.3	<0.1	<0.05	5	0.6	<0.2
1566722	Soil	14	24	0.46	474	0.067	2	1.19	0.022	0.06	0.2	0.03	4.3	<0.1	0.06	3	<0.5	<0.2
1566723	Soil	17	31	0.54	428	0.083	2	1.53	0.023	0.07	0.2	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
1566724	Soil	19	36	0.72	284	0.114	2	1.43	0.024	0.18	0.2	0.03	5.1	0.1	0.11	5	<0.5	<0.2
1566657	Soil	16	31	0.56	551	0.039	2	1.43	0.019	0.05	0.1	0.05	5.0	<0.1	0.06	4	0.6	<0.2
1566703	Soil	12	23	0.43	389	0.057	3	1.08	0.023	0.05	0.2	0.03	3.7	<0.1	0.05	3	0.5	<0.2
1566707	Soil	14	49	0.78	377	0.105	1	1.44	0.024	0.14	0.1	0.04	5.3	0.1	<0.05	5	<0.5	<0.2
1566705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1566704	Soil	17	27	0.47	461	0.084	<1	1.31	0.018	0.09	0.2	0.04	5.4	<0.1	<0.05	4	<0.5	<0.2
1566709	Soil	14	29	0.50	179	0.096	<1	1.36	0.017	0.08	0.3	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
1566708	Soil	11	57	0.73	473	0.078	1	1.33	0.026	0.06	0.1	0.03	5.5	0.1	0.05	4	<0.5	<0.2
1566702	Soil	14	30	0.56	318	0.080	2	1.32	0.028	0.05	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
1566701	Soil	10	221	1.57	396	0.123	<1	1.92	0.026	0.17	<0.1	0.02	9.7	0.1	<0.05	6	<0.5	<0.2



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QUALITY CONTROL REPORT

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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	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	
Pulp Duplicates																					
1628383	Soil	1.4	21.9	9.8	73	<0.1	20.4	10.7	639	3.32	6.7	0.5	0.9	3.0	31	<0.1	0.3	0.1	70	0.74	0.027
REP 1628383	QC	1.5	22.4	10.2	73	<0.1	21.1	10.9	612	3.28	7.4	0.5	1.2	3.2	31	<0.1	0.3	0.1	77	0.72	0.028
1515680	Soil	1.2	43.0	11.6	81	<0.1	34.9	15.4	406	3.68	5.7	0.9	111.4	10.1	29	<0.1	0.4	0.2	70	0.48	0.059
REP 1515680	QC	1.3	43.4	11.7	81	<0.1	33.7	14.0	445	3.66	5.9	0.9	1.3	10.4	28	<0.1	0.4	0.2	61	0.46	0.064
1566643	Soil	1.0	36.0	8.1	57	<0.1	25.8	12.4	684	3.12	9.1	1.0	0.6	4.4	32	0.2	0.7	0.2	77	0.51	0.040
REP 1566643	QC	1.0	36.5	7.8	57	<0.1	27.1	11.7	683	3.26	9.3	1.0	2.1	4.6	33	0.1	0.7	0.2	77	0.48	0.042
1566636	Soil	7.1	39.2	24.7	293	0.4	81.4	20.7	2271	3.62	48.6	1.0	12.3	1.0	155	2.3	1.1	0.3	313	17.32	0.130
REP 1566636	QC	6.7	39.2	25.4	316	0.4	80.1	19.9	2557	3.80	48.8	1.0	4.3	1.0	148	2.5	1.0	0.2	293	17.93	0.121
1566706	Soil	0.6	20.2	8.5	60	<0.1	22.2	10.2	378	2.45	6.0	1.0	2.1	3.8	52	<0.1	0.4	0.1	55	0.63	0.070
REP 1566706	QC	0.7	20.6	8.5	68	<0.1	21.8	10.5	381	2.57	6.1	1.0	1.5	3.9	52	<0.1	0.3	0.1	58	0.65	0.074
1566702	Soil	0.6	32.8	7.7	57	<0.1	26.4	10.4	405	2.50	7.1	1.1	2.8	3.0	47	0.3	0.5	0.1	64	0.96	0.075
REP 1566702	QC	0.5	33.3	7.9	60	<0.1	26.4	10.8	418	2.53	7.0	1.1	4.5	3.0	48	0.3	0.5	0.1	65	1.01	0.076
Reference Materials																					
STD DS11	Standard	14.7	143.7	142.3	326	1.7	82.5	14.1	1020	2.99	43.8	2.7	79.2	8.2	63	2.5	8.8	11.5	52	1.11	0.070
STD DS11	Standard	14.4	157.1	142.9	339	1.8	83.8	13.7	1076	3.22	46.1	2.8	96.1	8.5	68	2.2	8.5	12.2	53	1.07	0.072
STD DS11	Standard	15.3	162.6	146.5	353	1.7	84.8	14.5	1081	3.18	43.6	2.8	58.7	8.0	68	2.5	8.4	11.9	57	1.07	0.073
STD DS11	Standard	13.8	160.6	143.9	349	1.6	81.7	14.3	1019	3.11	42.6	2.7	70.7	7.8	63	2.2	8.4	11.8	51	1.00	0.066
STD DS11	Standard	13.2	145.6	135.6	358	1.7	77.3	12.9	1021	3.09	45.4	2.8	63.7	7.9	76	2.4	8.8	11.1	51	1.07	0.066
STD DS11	Standard	13.5	155.3	136.4	342	1.7	78.9	13.5	957	2.96	44.0	2.7	73.6	7.7	63	2.5	8.6	11.6	47	1.01	0.081
STD OXC129	Standard	1.3	27.5	6.5	41	<0.1	86.4	21.3	421	3.01	0.7	0.7	214.6	1.9	184	<0.1	<0.1	<0.1	58	0.71	0.119
STD OXC129	Standard	1.2	28.7	6.7	42	<0.1	89.3	22.3	433	3.32	0.5	0.8	221.1	2.0	206	<0.1	<0.1	<0.1	58	0.77	0.110
STD OXC129	Standard	1.4	29.9	6.6	45	<0.1	89.2	22.7	463	3.31	1.0	0.7	200.4	1.8	197	<0.1	<0.1	<0.1	61	0.74	0.110
STD OXC129	Standard	1.4	28.7	6.4	43	<0.1	86.7	22.2	436	3.18	0.8	0.7	206.6	1.8	180	<0.1	<0.1	<0.1	58	0.66	0.106
STD OXC129	Standard	1.3	29.5	6.6	39	<0.1	79.2	21.3	421	3.07	0.5	0.7	202.7	1.8	206	<0.1	<0.1	<0.1	55	0.75	0.114
STD OXC129	Standard	1.1	28.6	6.1	40	<0.1	82.9	20.4	390	2.98	0.5	0.7	205.2	1.8	191	<0.1	<0.1	0.3	50	0.60	0.099
STD OXC129 Expected		1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	0.69	195	1.9					51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
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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Method	Analyte	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	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1628383	Soil	11	36	0.48	361	0.085	2	1.89	0.016	0.21	0.1	0.01	8.5	<0.1	<0.05	6	<0.5	<0.2
REP 1628383	QC	12	37	0.52	370	0.098	2	1.87	0.017	0.22	0.2	0.02	8.4	0.1	<0.05	6	<0.5	<0.2
1515680	Soil	28	51	1.04	308	0.158	<1	2.08	0.023	0.52	0.1	0.02	7.1	0.3	<0.05	7	<0.5	<0.2
REP 1515680	QC	28	47	0.93	309	0.144	<1	1.99	0.020	0.52	0.1	0.03	6.9	0.3	<0.05	7	<0.5	<0.2
1566643	Soil	13	37	0.65	352	0.103	<1	1.72	0.021	0.14	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
REP 1566643	QC	14	38	0.63	350	0.103	<1	1.66	0.021	0.14	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1566636	Soil	13	39	0.59	465	0.020	2	1.09	0.010	0.06	0.2	0.09	10.7	0.4	0.06	4	1.4	<0.2
REP 1566636	QC	13	37	0.66	483	0.019	2	1.11	0.012	0.06	0.1	0.08	11.2	0.4	0.06	3	1.3	<0.2
1566706	Soil	17	33	0.62	285	0.107	2	1.30	0.026	0.14	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
REP 1566706	QC	17	33	0.63	265	0.104	1	1.29	0.026	0.14	0.2	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
1566702	Soil	14	30	0.56	318	0.080	2	1.32	0.028	0.05	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
REP 1566702	QC	14	31	0.58	326	0.079	1	1.33	0.029	0.06	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	19	60	0.90	377	0.089	8	1.15	0.072	0.39	3.4	0.28	3.1	5.1	0.27	5	2.2	4.6
STD DS11	Standard	21	63	0.83	374	0.100	7	1.16	0.073	0.40	3.2	0.28	3.3	4.8	0.25	5	2.4	4.7
STD DS11	Standard	20	65	0.87	368	0.102	7	1.17	0.075	0.42	2.9	0.29	3.3	4.8	0.32	5	2.2	4.6
STD DS11	Standard	18	61	0.80	342	0.091	10	1.05	0.065	0.37	2.9	0.24	3.1	4.6	0.27	5	1.9	4.4
STD DS11	Standard	20	61	0.84	379	0.098	8	1.07	0.070	0.45	2.8	0.26	3.6	5.1	0.27	5	1.9	4.8
STD DS11	Standard	18	60	0.89	360	0.087	7	1.20	0.076	0.44	3.3	0.26	3.4	4.7	0.28	5	2.2	4.7
STD OXC129	Standard	12	58	1.59	52	0.419	<1	1.66	0.534	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	56	1.63	53	0.443	<1	1.70	0.648	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	60	1.66	52	0.464	<1	1.68	0.617	0.37	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	57	1.59	49	0.437	1	1.57	0.587	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	52	1.63	53	0.406	2	1.63	0.593	0.38	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	49	1.55	48	0.368	<1	1.51	0.652	0.38	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
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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QUALITY CONTROL REPORT

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		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
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	0.6	<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	4	<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	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	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
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 VI

GT PROBE SURVEY - SUMMARY RESULTS

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596501	581398	7011743		0.002	0.9	0.1	0.05	49	6.2	9.6	7
1596502	581396	7011740		0.002	0.6	0.1	0.05	43	6.5	6.7	27
1596503	581391	7011738		0.002	1.1	0.1	0.10	73	21.5	5.0	72
1596504	581387	7011734		0.002	1.7	0.1	0.10	71	11.4	9.8	30
1596505	581382	7011731		0.002	0.6	0.1	0.20	122	29.5	11.8	60
1596506	581380	7011726		0.002	0.2	0.1	0.05	855	26.9	3.3	96
1596507	581377	7011722		0.002	0.2	0.1	0.30	367	34.3	42.3	254
1596508	581376	7011717		0.002	0.6	0.1	0.20	483	52.3	33.3	102
1596509	581373	7011713		0.002	0.2	0.1	0.05	341	30.4	5.9	95
1596510	581370	7011709		0.002	0.2	0.1	0.05	408	20.2	5.5	109
1596511	581367	7011705		0.002	0.2	0.1	0.05	310	29.1	2.6	104
1596512	581365	7011700		0.002	1.3	0.1	0.20	465	21.8	15.5	167
1596513	581365	7011694		0.002	0.2	0.1	0.05	528	11.9	3.5	107
1596514	581363	7011689		0.002	0.2	0.1	0.05	300	29.4	5.3	89
1596515	581362	7011685		0.002	0.7	0.1	0.05	346	20.4	3.4	69
1596516	581361	7011680		0.002	1.3	0.1	0.05	619	35.2	7.0	130
1596517	581360	7011675		0.009	0.2	0.1	0.05	476	19.1	8.0	96
1596518	581359	7011669		0.002	3.8	0.2	0.20	223	25.5	12.6	50
1596519	581356	7011666		0.002	0.9	0.1	0.05	398	14.4	6.4	91
1596520	581352	7011662		0.002	0.2	0.1	0.30	260	13.3	7.8	122
1596521	581350	7011657		0.002	3.0	0.1	0.30	242	8.3	5.6	111
1596522	581348	7011653		0.002	0.2	0.1	0.05	388	21.7	3.5	77
1596523	581346	7011648		0.002	0.6	0.1	0.05	212	11.5	6.8	93
1596524	581344	7011644		0.002	1.4	0.1	0.05	287	15.9	22.7	126
1596525	581342	7011639		0.002	2.0	0.1	0.10	435	24.0	26.6	103
1596527	581340	7011634		0.002	5.9	0.1	0.05	471	44.4	9.5	147
1596528	581338	7011629		0.002	0.2	0.1	0.05	131	15.8	5.5	61
1596529	581334	7011627		0.002	0.2	0.1	0.05	207	26.3	4.6	72
1596530	581329	7011623		0.002	0.2	0.1	0.05	365	24.5	6.4	91
1596531	581324	7011620		0.002	1.0	0.1	0.05	316	90.9	2.2	95
1596532	581322	7011615		0.002	0.9	0.1	0.05	681	21.8	11.1	126
1596533	581321	7011610		0.002	1.6	0.1	0.20	259	34.2	29.5	87
1596534	581317	7011606		0.002	0.2	0.1	0.10	139	20.1	5.4	74
1596535	581314	7011602		0.002	0.2	0.1	0.30	106	10.4	11.7	61
1596536	581312	7011598		0.002	5.5	0.1	0.10	228	27.1	12.4	97
1596537	581310	7011594		0.002	3.2	0.2	0.20	239	107.4	6.9	64
1596538	581309	7011588		0.002	0.8	0.1	0.20	474	59.1	5.6	63
1596539	581307	7011584		0.002	1.3	0.1	0.05	392	40.8	5.3	69
1596540	581306	7011578		0.002	0.6	0.1	0.05	601	49.8	4.7	55
1596541	581303	7011574		0.002	0.2	0.1	0.10	776	45.5	18.6	96
1596542	581302	7011569		0.002	0.2	0.1	0.20	585	98.3	5.8	114
1596543	581301	7011564		0.002	0.2	0.1	0.05	390	28.5	12.2	61
1596544	581298	7011560		0.002	1.5	0.1	0.05	173	29.3	11.7	168
1596545	581296	7011556		0.002	0.6	0.1	0.20	183	47.1	45.1	108
1596546	581294	7011551		0.002	0.2	0.1	0.05	421	44.4	16.8	80
1596547	581293	7011546		0.002	0.2	0.1	0.05	874	64.1	7.1	110

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596548	581290	7011542		0.002	0.6	0.1	0.05	443	24.1	3.7	68
1596549	581289	7011537		0.002	0.2	0.1	0.05	331	45.6	10.9	120
1596550	581285	7011534		0.002	1.0	0.1	0.10	272	30.5	15.3	111
1596551	581284	7011529		0.002	2.2	0.1	0.20	329	26.6	26.1	90
1596552	581281	7011524		0.002	1.5	0.1	1.10	2827	60.0	122.5	109
1596553	581280	7011519		0.002	5.3	0.2	0.60	210	99.8	19.3	139
1596554	581278	7011514		0.002	4.8	0.1	3.10	160	286.1	157.1	129
1596555	581277	7011509		0.002	1.1	0.1	0.05	269	10.7	7.8	54
1596556	581275	7011505		0.002	2.0	0.1	0.20	196	57.7	14.0	54
1596557	581271	7011501		0.006	7.8	0.1	0.05	311	60.8	9.0	95
1596558	581271	7011496		0.002	1.4	0.1	5.00	137	45.3	179.7	72
1596559	581269	7011491		0.002	0.9	0.1	0.05	268	6.9	3.9	63
1596560	581266	7011487		0.002	6.6	0.2	0.20	182	40.5	29.1	110
1596561	581263	7011483		0.002	4.8	0.1	0.10	162	36.4	7.6	78
1596562	581260	7011479		0.002	8.0	0.6	0.60	180	46.6	36.2	61
1596563	581258	7011475		0.002	2.1	0.1	0.05	180	23.0	9.3	60
1596564	581253	7011471		0.002	1.0	0.2	0.05	236	23.8	10.7	51
1596565	581252	7011466		0.002	1.1	0.1	0.20	214	12.2	17.8	46
1596566	581248	7011462		0.002	7.7	0.3	0.20	216	38.3	14.8	53
1596567	581245	7011458		0.002	5.3	0.1	0.10	224	48.6	15.8	89
1596568	581245	7011453		0.002	8.4	0.2	0.20	396	58.9	19.6	149
1596569	581240	7011451		0.002	5.5	0.1	0.10	251	37.6	9.8	73
1596570	581237	7011446		0.019	1.3	0.1	0.05	284	12.7	4.4	42
1596571	581233	7011444		0.005	1.3	0.1	0.20	285	18.8	17.7	43
1596572	581228	7011444		0.007	0.7	0.1	0.05	625	14.5	5.9	36
1596573	581222	7011444		0.002	2.5	0.1	0.05	314	18.2	6.3	26
1596574	581217	7011440		0.002	1.4	0.1	0.05	298	21.2	3.8	30
1596575	581214	7011437		0.002	0.2	0.1	0.05	209	11.9	2.5	34
1596577	581209	7011435		0.002	0.2	0.1	0.05	280	34.9	1.6	36
1596578	581205	7011432		0.002	0.6	0.1	0.05	143	15.0	4.2	26
1596579	581201	7011430		0.002	0.7	0.1	0.05	117	7.5	1.9	17
1596580	581196	7011428		0.002	3.9	0.2	0.05	159	14.5	7.9	24
1596581	581191	7011428		0.002	2.3	0.1	0.10	112	7.0	5.4	21
1596582	581186	7011426		0.002	0.9	0.1	0.10	356	32.9	7.4	109
1596583	581181	7011424	A1	0.054	0.6	0.1	0.05	77	4.8	9.2	15
1596584	581177	7011423	A1	0.268	0.8	0.1	0.05	109	7.5	13.5	17
1596585	581171	7011422		0.002	0.2	0.1	0.05	1128	4.1	5.4	16
1596586	581167	7011419		0.002	0.2	0.1	0.05	155	3.9	6.1	16
1596587	581163	7011416		0.002	0.2	0.1	0.05	193	3.6	2.8	12
1596588	581158	7011414		0.002	0.6	0.1	0.05	420	10.7	5.6	71
1596589	581153	7011413		0.002	0.6	0.1	0.05	341	10.7	2.9	34
1596590	581149	7011410		0.002	0.7	0.1	0.05	132	6.7	2.4	19
1596591	581144	7011409		0.002	0.2	0.1	0.05	303	24.0	1.6	42
1596592	581140	7011405		0.002	1.7	0.1	0.05	259	10.1	3.9	49
1596593	581135	7011405		0.002	0.2	0.1	0.05	225	26.0	1.1	41
1596594	581131	7011401		0.002	0.2	0.1	0.05	239	30.1	10.6	39

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596595	581125	7011401		0.002	0.6	0.1	0.05	191	40.5	3.0	28
1596596	581122	7011397		0.002	1.1	0.1	0.05	96	21.4	3.9	48
1596597	581118	7011393		0.002	0.2	0.1	0.60	417	23.4	59.6	63
1596598	581116	7011388		0.002	0.2	0.1	0.05	271	17.5	4.7	37
1596599	581110	7011388		0.002	0.2	0.1	0.05	328	10.2	3.5	40
1596600	581106	7011384		0.002	0.9	0.1	0.05	804	42.2	4.0	130
1596601	581101	7011383		0.002	1.7	0.1	0.05	3970	76.2	8.0	94
1596602	581098	7011378		0.002	1.3	0.1	0.10	1731	27.2	7.5	123
1596603	581092	7011378		0.002	0.5	0.1	0.10	1392	59.0	7.7	119
1596604	581089	7011373		0.002	0.8	0.1	0.30	1143	36.6	7.2	81
1596605	581084	7011372		0.002	0.8	0.1	0.05	1076	24.8	6.3	87
1596606	581080	7011369		0.002	1.2	0.1	0.05	244	21.6	2.3	53
1596607	581075	7011367		0.002	0.8	0.1	0.05	1067	104.6	13.0	270
1596608	581070	7011366		0.002	1.3	0.1	0.10	489	35.9	13.4	76
1596609	581066	7011363		0.002	0.9	0.1	0.05	440	32.8	7.2	89
1596610	581060	7011364		0.002	3.0	0.1	0.20	364	70.7	13.0	124
1596611	581056	7011361		0.002	8.3	0.3	0.05	371	44.5	20.6	150
1596612	581052	7011359		0.002	2.3	0.1	0.10	455	52.2	12.9	119
1596613	581048	7011356		0.002	2.5	0.1	0.05	414	52.2	6.4	86
1596614	581044	7011354		0.002	2.3	0.1	0.05	418	46.4	7.9	88
1596615	581039	7011352		0.002	3.0	0.1	0.05	582	47.5	7.4	86
1596616	581034	7011349		0.002	2.6	0.1	0.05	613	44.5	5.7	89
1596617	581030	7011346		0.002	6.4	0.1	0.70	567	39.4	80.3	83
1596618	581024	7011347		0.002	6.6	0.2	0.05	712	43.2	17.7	102
1596619	581020	7011344		0.002	7.4	0.3	0.05	289	33.7	17.4	59
1596620	581016	7011342	A3	0.002	2.3	0.1	0.05	1168	35.6	9.7	91
1596621	581012	7011339	A3	0.002	100.9	0.9	0.05	5203	41.6	7.2	70
1596622	581007	7011338	A3	0.002	48.6	0.7	0.20	3357	34.1	35.9	77
1596623	581002	7011335	A3	0.002	45.5	0.6	0.20	183	37.4	25.1	51
1596624	581000	7011330	A3	0.002	78.1	1.2	1.40	742	85.3	84.6	91
1596625	580996	7011326	A3	0.002	24.4	0.5	0.05	679	41.6	12.9	41
1596627	580991	7011323	A3	0.002	91.7	1.1	0.05	175	38.4	9.6	45
1596628	580987	7011321	A3	0.002	35.6	0.5	0.05	162	30.5	10.0	48
1596629	580982	7011320	A3	0.002	2.6	0.1	0.05	1075	59.6	10.2	177
1596630	580978	7011317	A3	0.002	9.3	0.2	0.05	409	64.5	19.3	100
1596631	580974	7011313	A3	0.002	391.8	1.1	0.10	1411	102.9	17.0	145
1596632	580970	7011310	A3	0.002	10.7	0.2	0.05	389	18.7	10.4	95
1596633	580965	7011309	A3	0.002	4.3	0.1	0.05	298	22.5	5.8	115
1596634	580960	7011306	A3	0.002	17.8	0.2	0.20	324	45.9	20.1	77
1596635	580955	7011306	A3	0.002	4.8	0.1	0.20	236	52.3	13.8	115
1596636	580951	7011304	A3	0.002	52.4	0.3	0.30	649	27.4	20.5	78
1596637	580946	7011301		0.002	4.4	0.1	0.30	107	20.0	15.9	58
1596638	580941	7011300		0.002	1.6	0.1	0.05	316	9.1	8.8	62
1596639	580936	7011301		0.002	10.8	0.1	0.05	406	11.5	11.3	60
1596640	580932	7011298		0.002	3.1	0.1	0.05	184	11.4	12.2	53
1596641	580927	7011295		0.014	2.4	0.1	0.30	607	16.1	7.6	59

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596642	580924	7011291		0.002	1.9	0.1	0.05	313	26.6	7.1	65
1596643	580920	7011287		0.002	0.9	0.1	0.05	213	36.5	4.9	62
1596644	580915	7011285		0.002	6.2	0.2	0.10	294	56.8	9.0	55
1596645	580910	7011284		0.002	12.2	0.2	0.05	319	32.5	10.5	61
1596646	580905	7011282		0.002	1.3	0.1	0.10	478	34.6	10.9	170
1596647	580901	7011281		0.002	1.8	0.1	0.10	282	41.9	14.2	76
1596648	580896	7011280		0.002	1.1	0.1	0.10	253	35.8	11.9	69
1596649	580891	7011279		0.002	0.6	0.1	0.05	334	37.7	7.7	71
1596650	580886	7011277		0.002	1.7	0.1	0.05	225	31.8	11.0	76
1596651	580880	7011277		0.002	0.2	0.1	0.10	477	41.9	13.6	86
1596652	580875	7011276		0.002	1.0	0.1	0.10	244	28.1	12.5	53
1596653	580870	7011275		0.002	0.2	0.1	0.10	268	44.5	17.1	90
1596654	580866	7011271		0.002	1.0	0.1	0.20	737	67.6	27.5	136
1596655	580861	7011270		0.010	1.3	0.1	0.05	358	31.3	4.4	54
1596656	580857	7011268		0.009	1.0	0.1	0.05	369	28.3	8.1	63
1596657	580853	7011265		0.002	1.4	0.1	0.60	138	24.3	8.0	31
1596658	580848	7011263		0.002	2.6	0.1	0.05	205	19.0	4.5	54
1596659	580844	7011259		0.002	3.7	0.1	0.05	380	37.6	6.2	63
1596660	580839	7011258		0.002	0.6	0.1	0.05	535	46.3	5.1	74
1596661	580834	7011258		0.002	3.5	0.1	0.40	274	51.7	50.1	85
1596662	580830	7011255		0.006	0.2	0.1	0.10	329	30.4	34.8	71
1596663	580825	7011253	A2	0.026	1.2	0.1	0.05	282	48.2	8.4	71
1596664	580821	7011250	A2	0.104	0.6	0.1	0.05	206	29.6	9.8	54
1596665	580817	7011247	A2	0.002	2.2	0.1	0.05	173	23.6	7.7	27
1596666	580813	7011244	A2	0.002	0.7	0.1	0.05	358	25.6	5.0	50
1596667	580808	7011243	A2	0.002	0.2	0.1	0.05	309	35.8	8.9	98
1596668	580803	7011241	A2	0.002	0.6	0.1	0.10	334	37.2	21.5	79
1596669	580798	7011241	A2	0.002	1.5	0.1	0.10	422	34.3	17.3	80
1596670	580793	7011238	A2	0.002	0.2	0.1	0.05	562	56.6	7.1	104
1596671	580790	7011238	A2	0.002	0.2	0.1	0.05	383	29.7	8.9	75
1596672	580784	7011237	A2	0.002	1.4	0.1	0.05	287	31.9	5.3	51
1596673	580779	7011233	A2	0.002	0.6	0.1	0.05	284	27.9	6.3	68
1596674	580775	7011229	A2	0.015	1.2	0.1	0.05	620	46.7	12.3	130
1596675	580771	7011227	A2	0.059	1.5	0.1	0.20	654	61.0	11.0	111
1596677	580766	7011225	A2	0.006	0.2	0.1	0.05	353	49.4	10.0	112
1596678	580762	7011222	A2	0.016	1.8	0.1	0.10	629	50.0	13.2	119
1596679	580758	7011221	A2	0.002	0.7	0.1	0.10	240	25.7	12.2	62
1596680	580753	7011220	A2	0.008	1.4	0.1	0.05	227	48.2	8.6	59
1596681	580748	7011218	A2	0.010	3.8	0.1	0.05	220	45.8	10.1	59
1596682	580744	7011215	A2	0.008	2.3	0.1	0.05	380	65.9	15.1	99
1596683	580740	7011212	A2	0.066	1.1	0.1	0.05	698	33.6	10.9	257
1596684	580735	7011209	A2	0.050	1.2	0.1	0.05	417	30.0	6.6	53
1596685	580731	7011208		0.009	4.1	0.2	0.05	465	25.9	9.1	41
1596686	580726	7011206		0.002	0.6	0.1	0.05	398	45.7	4.4	54
1596687	580722	7011202		0.013	1.0	0.1	0.05	227	79.4	4.5	45
1596688	580717	7011202		0.005	0.9	0.1	0.05	537	62.1	7.3	160

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596689	580712	7011199		0.002	0.2	0.1	0.05	688	33.0	8.0	97
1596690	580710	7011193		0.012	4.0	0.2	0.05	332	19.7	7.5	35
1596691	580706	7011190		0.002	1.3	0.1	0.05	1698	26.3	6.8	42
1596692	580700	7011190		0.002	0.8	0.1	0.05	1384	22.4	8.3	60
1596693	580696	7011188		0.002	0.8	0.1	0.05	2049	41.9	15.1	90
1596694	580692	7011185		0.002	0.6	0.1	0.05	4769	55.4	14.2	149
1596695	580686	7011183		0.002	0.9	0.1	0.10	1621	42.5	29.4	36
1596696	580683	7011180		0.007	4.4	0.2	0.30	222	56.7	54.4	42
1596697	580679	7011176		0.002	39.5	0.3	0.05	303	54.0	14.1	101
1596698	580677	7011169		0.006	1.4	0.1	0.05	180	40.0	12.2	49
1596699	580672	7011166		0.007	1.5	0.2	0.40	174	78.1	30.5	57
1596700	580667	7011166		0.011	1.2	0.1	0.10	163	43.7	17.2	42
1596701	580662	7011166		0.002	0.2	0.1	0.05	154	45.4	14.4	40
1596702	580656	7011166		0.002	2.4	0.2	0.20	495	74.4	69.1	60
1596703	580651	7011165		0.005	1.3	0.1	0.10	97	14.2	14.7	14
1596704	580646	7011164		0.002	0.2	0.1	0.05	110	7.5	3.2	13
1596705	580640	7011164		0.006	0.8	0.1	0.30	135	8.3	24.4	24
1596706	580636	7011161		0.002	4.7	0.1	0.05	44	13.6	4.8	19
1596707	580632	7011159		0.002	2.3	0.1	0.05	55	16.5	4.2	19
1596708	580628	7011155		0.002	2.6	0.1	0.05	103	33.2	7.0	36
1596709	580623	7011153		0.002	1.1	0.1	0.05	200	28.9	2.7	49
1596710	580618	7011153		0.002	2.2	0.1	0.05	146	24.5	6.0	53
1596711	580613	7011152		0.002	1.6	0.1	0.10	204	37.1	18.5	66
1596712	580608	7011151		0.002	46.3	0.2	0.10	323	41.2	28.5	58
1596713	580604	7011147		0.002	41.7	0.6	0.10	196	35.7	16.5	52
1596714	580601	7011143		0.002	66.4	0.6	0.05	220	12.7	9.6	38
1596715	580598	7011138		0.021	20.3	0.2	0.05	322	35.6	12.5	48
1596716	580592	7011137		0.002	244.7	2.3	0.10	169	61.9	8.6	54
1596717	580588	7011134		0.002	9.4	0.2	0.05	281	41.3	17.1	57
1596718	580584	7011132		0.002	46.3	0.5	0.05	270	29.7	6.8	48
1596719	580580	7011128		0.002	10.5	0.1	0.05	372	23.4	6.9	73
1596720	580575	7011128		0.002	106.6	0.8	0.20	249	28.9	13.9	52
1596721	580570	7011129		0.002	8.0	0.1	0.05	162	41.7	8.2	38
1596722	580565	7011130		0.002	2.4	0.1	3.00	437	24.5	62.7	90
1596723	580560	7011132		0.002	2.7	0.1	0.05	385	20.8	13.6	58
1596724	580555	7011128		0.002	9.3	0.1	0.05	591	27.8	16.1	59
1596725	580550	7011134		0.002	2.9	0.1	0.05	194	20.5	14.3	50
1596727	580544	7011135		0.002	2.7	0.1	0.05	160	23.0	15.5	72
1596728	580540	7011131		0.002	1.1	0.1	0.05	294	27.9	10.4	50
1596729	580535	7011131		0.002	2.3	0.1	0.05	1477	33.1	12.7	69
1596730	580529	7011130		0.002	16.6	0.2	0.10	201	30.0	15.9	29
1596731	580524	7011133		0.002	16.6	0.2	0.05	184	21.3	7.6	26
1596732	580520	7011131		0.002	1.3	0.1	0.05	120	8.2	2.9	15
1596733	580515	7011127		0.002	1.1	0.1	0.05	181	17.9	6.5	28
1596734	580509	7011126		0.002	6.3	0.1	0.05	154	28.0	8.6	44
1596735	580505	7011125		0.002	1.8	0.1	0.05	205	60.4	3.3	52

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1596736	580500	7011127		0.002	1.6	0.1	0.10	235	47.6	13.6	64
1596737	580495	7011127		0.002	14.8	0.1	0.30	167	49.4	9.7	67
1596738	580489	7011123		0.002	8.9	0.1	0.20	220	34.6	15.5	91
1596739	580485	7011122		0.002	5.0	0.1	0.05	593	22.3	16.9	149
1596740	580480	7011121		0.002	2.2	0.1	0.20	112	33.6	21.9	33
1596741	580475	7011121		0.002	49.0	0.5	0.20	334	67.0	36.8	256
1596742	580470	7011122		0.002	2.1	0.1	0.40	119	22.8	52.7	59
1596743	580465	7011122		0.002	1.9	0.1	0.05	169	25.4	4.4	52
1596744	580460	7011123		0.002	1.1	0.1	0.60	155	24.6	52.4	47
1596745	580454	7011123		0.002	1.7	0.1	0.05	206	16.6	13.5	56
1596746	580449	7011125		0.002	0.8	0.1	0.05	145	18.9	14.4	52
1596747	580445	7011125		0.002	0.9	0.1	0.05	200	19.7	8.2	61
1596748	580440	7011126		0.002	2.6	0.1	0.10	216	25.1	19.1	78
1596749	580435	7011128		0.002	0.7	0.1	0.30	239	14.7	41.1	70
1599501	581217	7011618		0.007	2.6	0.1	0.10	204	25.8	5.9	85
1599502	581223	7011618		0.002	1.6	0.1	0.10	264	57.1	12.6	116
1599503	581225	7011613		0.002	1.0	0.1	0.05	211	36.4	7.7	69
1599504	581225	7011606		0.002	1.3	0.1	0.05	262	38.2	11.8	78
1599505	581225	7011599		0.002	1.3	0.1	0.10	159	22.2	8.9	61
1599506	581233	7011599		0.002	0.8	0.1	0.50	171	25.5	29.9	80
1599507	581237	7011598		0.002	1.0	0.1	0.10	259	48.5	13.4	99
1599508	581240	7011593		0.002	0.7	0.1	0.05	208	45.1	12.4	90
1599509	581244	7011589		0.002	2.1	0.1	0.20	210	65.8	10.5	87
1599510	581248	7011586		0.002	1.2	0.1	0.20	139	92.0	6.9	65
1599511	581253	7011584		0.002	0.8	0.1	0.20	311	60.9	67.6	237
1599512	581257	7011582		0.005	2.3	0.1	0.50	86	111.7	24.8	69
1599513	581260	7011578		0.002	1.2	0.1	0.20	110	167.7	22.0	223
1599514	581263	7011573		0.002	0.7	0.1	0.30	158	78.3	15.9	111
1599515	581264	7011568		0.002	0.6	0.1	0.20	194	64.4	13.1	105
1599516	581268	7011564		0.002	0.9	0.1	0.30	168	48.9	38.1	94
1599517	581272	7011561		0.002	2.2	0.1	0.10	151	36.9	10.1	76
1599518	581277	7011559		0.002	0.5	0.1	0.05	576	29.1	7.1	81
1599519	581281	7011555		0.002	3.1	0.1	0.10	260	30.8	22.4	69
1599520	581287	7011554		0.002	0.2	0.1	0.05	406	27.8	5.8	75
1599521	581289	7011551		0.002	0.2	0.1	0.05	677	8.3	5.2	76
1599522	581292	7011546		0.002	2.8	0.1	0.20	551	17.2	51.2	65
1599523	581295	7011542		0.002	1.2	0.1	1.80	632	31.4	16.6	83
1599524	581302	7011543		0.002	0.6	0.1	0.10	836	21.7	10.6	153
1599525	581305	7011538		0.002	1.1	0.1	0.10	390	42.5	38.4	77
1599527	581309	7011534		0.002	2.4	0.1	0.20	289	40.2	22.8	56
1599528	581313	7011532		0.002	0.5	0.1	0.05	1127	70.2	6.6	99
1599529	581314	7011526		0.002	0.2	0.1	0.40	921	68.6	77.0	92
1599530	581317	7011521		0.002	0.2	0.1	0.05	542	35.3	2.2	57
1599531	581319	7011516		0.002	0.2	0.1	0.05	425	40.4	4.7	57
1599532	581323	7011514		0.002	0.2	0.1	0.20	431	33.0	12.4	55
1599533	581326	7011509		0.002	0.6	0.1	0.05	258	30.2	4.4	58

Sample No.	Easting	Northing		Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1599534	581328	7011505		0.002	1.0	0.1	0.05	302	27.4	4.9	63
1599535	581332	7011501		0.002	1.0	0.1	0.05	315	15.0	4.6	79
1599536	581335	7011496		0.002	3.6	0.1	0.05	331	26.1	7.4	68
1599537	581337	7011492		0.002	2.6	0.2	0.10	1147	19.3	13.7	63
1599538	581340	7011488		0.002	1.3	0.1	0.10	482	25.3	10.5	59
1599539	581344	7011485		0.002	1.6	0.1	0.10	445	41.1	29.3	72
1599540	581346	7011480		0.002	1.1	0.1	0.10	286	34.1	23.9	76
1599541	581348	7011475		0.002	1.4	0.1	0.05	361	37.7	13.2	93
1599542	581350	7011470		0.002	0.8	0.1	0.40	305	33.9	12.1	73
1599543	581355	7011468		0.002	1.2	0.1	0.05	250	36.1	10.9	58
1599544	581358	7011464		0.002	4.1	0.1	0.10	299	52.8	24.1	110
1599545	581364	7011463		0.002	2.2	0.1	0.50	185	41.9	34.9	101
1599546	581369	7011460		0.002	3.8	0.1	0.30	149	57.2	34.9	159
1599547	581370	7011455		0.002	6.3	0.1	0.20	97	60.1	69.3	149
1599548	581375	7011453		0.002	6.0	0.2	0.20	102	45.9	54.4	144
1599549	581379	7011449		0.002	0.8	0.1	0.05	170	41.6	8.5	80
1599550	581383	7011446		0.002	2.0	0.1	0.05	346	34.6	6.1	71
1599551	581387	7011443		0.002	0.2	0.1	0.05	495	21.0	3.3	84
1599552	581388	7011438		0.002	0.2	0.1	0.05	362	43.5	2.6	62
1599553	581392	7011434		0.005	0.2	0.1	0.05	171	23.1	2.5	44
1599554	581394	7011429		0.002	0.2	0.1	0.05	366	29.1	2.9	60
1599555	581138	7011340		0.002	0.8	0.1	0.05	615	31.1	7.7	48
1599556	581134	7011345		0.002	0.2	0.1	0.30	565	38.5	21.9	76
1599557	581130	7011349		0.002	0.2	0.1	0.05	742	15.7	6.1	71
1599558	581126	7011352		0.002	0.2	0.1	0.30	548	13.6	18.5	40
1599559	581123	7011356		0.002	0.6	0.1	0.40	334	38.3	28.1	32
1599560	581121	7011360		0.002	1.6	0.1	0.05	205	13.4	2.8	28
1599561	581118	7011364		0.002	2.3	0.1	0.05	280	32.1	3.5	42
1599562	581111	7011366		0.002	0.2	0.1	0.05	623	31.9	9.2	116
1599563	581111	7011371		0.002	3.9	0.2	0.10	283	14.4	8.5	40
1599564	581113	7011379		0.002	0.5	0.1	0.05	550	7.0	1.9	31
1599565	581110	7011384		0.002	0.2	0.1	0.05	255	4.9	1.5	48
1599566	581104	7011385		0.002	0.2	0.1	0.10	738	51.9	8.9	69
1599567	581098	7011386		0.002	0.2	0.1	0.10	453	21.7	8.3	140
1599568	581095	7011391		0.002	0.9	0.1	0.10	292	33.4	4.5	47
1599569	581093	7011395		0.002	0.5	0.1	0.20	314	29.6	24.7	70
1599570	581092	7011401		0.002	0.2	0.1	0.05	328	39.1	8.1	56
1599571	581089	7011405		0.002	0.9	0.1	0.50	942	101.4	25.1	69
1599572	581089	7011411		0.002	0.6	0.1	0.05	536	28.9	4.5	77
1599573	581084	7011414		0.002	0.2	0.1	0.05	535	25.7	4.2	104
1599574	581080	7011417		0.002	0.5	0.1	0.05	366	21.0	7.7	61
1599575	581077	7011421		0.002	0.2	0.1	0.05	430	27.2	4.0	69
1599577	581073	7011424		0.002	0.2	0.1	0.05	2806	38.5	7.7	102
1599578	581068	7011426		0.002	0.2	0.1	0.10	1161	86.5	26.6	140
1599579	581065	7011431		0.002	0.2	0.1	0.05	1530	111.3	10.1	184
1599580	581063	7011435		0.002	1.1	0.1	0.20	885	86.9	21.2	206

Sample No.	Easting	Northing	Au-ppm	As-ppm	Sb-ppm	Bi-ppm	Ba-ppm	Cu-ppm	Pb-ppm	Zn-ppm
1599581	581059	7011439	0.002	0.6	0.1	0.05	719	43.1	14.1	194
1599582	581057	7011443	0.002	1.0	0.1	0.05	406	41.6	10.1	176
1599583	581058	7011450	0.002	3.1	0.1	0.20	530	71.0	31.8	240
1599601	580808	7011238	0.002	0.2	0.1	0.05	273	26.9	9.6	66
1599602	580811	7011234	0.002	0.6	0.1	0.05	414	26.7	8.1	76
1599603	580812	7011228	0.002	0.8	0.1	0.05	209	23.2	8.2	46
1599604	580813	7011223	0.002	1.6	0.1	0.05	140	25.4	6.9	36
1599605	580814	7011218	0.002	0.2	0.1	0.05	168	25.0	12.0	49
1599606	580816	7011213	0.002	0.2	0.1	0.05	177	21.7	9.4	43
1599607	580819	7011209	0.002	0.8	0.1	0.05	259	27.2	16.3	48
1599608	580822	7011205	0.002	0.6	0.1	0.30	190	16.2	24.6	50
1599609	580824	7011200	0.002	0.2	0.1	0.05	184	20.5	7.9	50
1599610	580825	7011196	0.002	2.1	0.1	0.05	118	23.9	7.6	49
1599611	580825	7011190	0.002	0.8	0.1	0.05	201	38.1	9.4	72
1599612	580830	7011186	0.002	0.7	0.1	0.05	113	11.4	5.7	39
1599613	580830	7011181	0.002	0.2	0.1	0.05	212	40.5	8.4	68
1599614	580833	7011177	0.002	0.5	0.1	0.05	184	29.8	7.7	57
1599615	580834	7011172	0.002	0.2	0.1	0.05	212	30.4	7.5	54
1599616	580838	7011168	0.002	0.9	0.1	0.05	171	23.3	7.2	42
1599617	580844	7011166	0.002	0.8	0.1	0.05	210	29.5	10.9	73
1599618	580847	7011163	0.002	0.2	0.1	0.05	214	28.9	14.4	80
1599619	580850	7011158	0.002	0.6	0.1	0.05	276	28.9	10.2	85
1599620	580850	7011152	0.002	0.2	0.1	0.05	327	41.0	10.1	104
1599621	580853	7011148	0.002	0.2	0.1	0.05	295	34.9	9.4	75
1599622	580853	7011143	0.002	1.0	0.1	0.10	176	39.6	18.5	62
1599623	580860	7011141	0.002	0.6	0.1	0.05	227	26.6	7.0	61
1599624	580863	7011136	0.002	0.2	0.1	0.10	202	26.9	8.9	52
1599625	580864	7011131	0.002	0.2	0.1	0.05	247	18.0	3.9	44
1599627	580869	7011128	0.002	0.2	0.1	0.05	332	31.4	6.0	64
1599628	580871	7011124	0.002	0.2	0.1	0.05	290	32.9	5.4	58
1599629	580876	7011121	0.002	0.5	0.1	0.05	365	22.9	5.5	59
1599630	580878	7011117	0.002	0.2	0.1	0.05	174	18.6	2.8	25
1599631	580882	7011113	0.002	14.6	0.4	0.05	2146	84.7	15.4	59
1599632	580886	7011109	0.002	28.0	0.2	0.10	2032	41.3	9.5	60
1599633	580890	7011105	0.002	7.2	0.2	0.05	1884	23.4	7.2	29
1599634	580889	7011099	0.002	3.6	0.2	0.05	1909	38.6	11.1	45
1599635	580892	7011096	0.008	3.4	0.2	0.05	1320	50.4	10.6	82
1599636	580894	7011091	0.002	1.1	0.1	0.05	827	48.7	6.9	71
1599637	580897	7011087	0.002	0.2	0.1	0.05	717	38.0	5.5	42
1599638	580900	7011083	0.002	2.1	0.1	0.05	607	29.5	5.5	44
1599639	580898	7011075	0.002	1.1	0.1	0.05	643	29.7	5.3	60
1599640	580900	7011071	0.002	2.7	0.1	0.05	522	28.3	5.6	54
1599641	580903	7011067	0.002	0.8	0.1	0.10	1129	53.3	6.2	94
1599642	580907	7011063	0.002	3.7	0.1	0.30	528	51.9	17.7	48
1599643	580910	7011060	0.002	1.0	0.1	0.05	949	50.9	12.6	37
1599644	580917	7011057	0.002	0.2	0.1	0.05	602	34.0	6.1	44

Appendix VII

GT PROBE SURVEY – ANALYTICAL CERTIFICATES



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

Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 14, 2018
Report Date: September 29, 2018
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CERTIFICATE OF ANALYSIS

WHI18000644.1

CLIENT JOB INFORMATION

Project: GCP
Shipment ID: GCP-20180810-001-PROBE
P.O. Number
Number of Samples: 137

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	137	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	137	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	137	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	137	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	137	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI18000644.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1596501	Rock	0.82	<0.005	0.4	6.2	9.6	7	<0.1	1.4	0.8	277	0.52	0.9	1.3	6.8	7	<0.1	0.1	<0.1	2	0.05
1596502	Rock	0.97	<0.005	0.4	6.5	6.7	27	<0.1	9.6	4.6	296	1.33	0.6	<0.5	8.0	17	<0.1	0.1	<0.1	11	0.25
1596503	Rock	0.70	<0.005	0.6	21.5	5.0	72	<0.1	24.9	12.1	469	3.38	1.1	<0.5	10.4	29	<0.1	0.1	0.1	32	0.51
1596504	Rock	1.20	<0.005	0.8	11.4	9.8	30	<0.1	16.1	6.6	290	1.60	1.7	0.5	7.8	10	<0.1	0.1	0.1	16	0.11
1596505	Rock	0.74	<0.005	0.6	29.5	11.8	60	<0.1	21.9	11.6	312	2.67	0.6	<0.5	10.6	16	<0.1	<0.1	0.2	26	0.15
1596506	Rock	0.81	<0.005	0.4	26.9	3.3	96	<0.1	4.1	21.4	816	5.53	<0.5	<0.5	6.9	21	<0.1	<0.1	<0.1	96	0.43
1596507	Rock	0.81	<0.005	0.7	34.3	42.3	254	<0.1	5.6	16.4	924	4.19	<0.5	<0.5	6.1	25	0.5	<0.1	0.3	65	0.39
1596508	Rock	0.97	<0.005	0.8	52.3	33.3	102	<0.1	7.2	16.0	1063	4.60	0.6	<0.5	7.0	16	0.1	<0.1	0.2	97	0.30
1596509	Rock	0.85	<0.005	0.6	30.4	5.9	95	<0.1	4.0	13.5	769	3.96	<0.5	0.8	4.8	35	<0.1	<0.1	<0.1	66	0.40
1596510	Rock	0.81	<0.005	0.8	20.2	5.5	109	<0.1	7.2	18.2	904	5.63	<0.5	<0.5	5.8	36	<0.1	<0.1	<0.1	116	0.47
1596511	Rock	0.96	<0.005	0.4	29.1	2.6	104	<0.1	6.6	21.0	866	5.22	<0.5	<0.5	4.3	19	<0.1	<0.1	<0.1	135	0.81
1596512	Rock	1.21	<0.005	0.8	21.8	15.5	167	<0.1	5.0	14.7	930	5.11	1.3	<0.5	8.3	13	0.1	<0.1	0.2	93	0.27
1596513	Rock	0.77	<0.005	0.5	11.9	3.5	107	<0.1	4.2	14.8	656	5.11	<0.5	<0.5	7.7	16	<0.1	<0.1	<0.1	94	0.32
1596514	Rock	0.88	<0.005	0.4	29.4	5.3	89	<0.1	2.6	23.3	808	5.21	<0.5	0.6	3.7	18	<0.1	<0.1	<0.1	183	1.05
1596515	Rock	0.76	<0.005	0.4	20.4	3.4	69	<0.1	5.9	19.0	785	4.34	0.7	<0.5	2.8	26	<0.1	<0.1	<0.1	97	0.93
1596516	Rock	1.09	<0.005	0.8	35.2	7.0	130	0.2	7.8	16.1	1114	5.52	1.3	1.7	5.1	31	0.1	<0.1	<0.1	101	0.60
1596517	Rock	0.76	0.009	0.5	19.1	8.0	96	<0.1	7.3	19.3	934	4.56	<0.5	<0.5	3.7	34	0.2	<0.1	<0.1	103	0.81
1596518	Rock	0.71	<0.005	0.6	25.5	12.6	50	<0.1	4.3	8.2	584	3.00	3.8	<0.5	7.8	10	<0.1	0.2	0.2	40	0.15
1596519	Rock	0.79	<0.005	0.4	14.4	6.4	91	<0.1	6.9	13.3	748	3.81	0.9	<0.5	8.1	35	<0.1	<0.1	<0.1	61	0.46
1596520	Rock	0.80	<0.005	0.3	13.3	7.8	122	<0.1	4.6	14.6	1270	5.12	<0.5	<0.5	30.2	7	<0.1	<0.1	0.3	98	0.06
1596521	Rock	0.88	<0.005	0.3	8.3	5.6	111	<0.1	6.4	21.2	814	4.82	3.0	<0.5	12.3	10	<0.1	<0.1	0.3	119	0.11
1596522	Rock	0.80	<0.005	0.7	21.7	3.5	77	<0.1	5.4	15.8	949	4.61	<0.5	<0.5	6.4	18	<0.1	<0.1	<0.1	99	0.35
1596523	Rock	0.71	<0.005	0.8	11.5	6.8	93	<0.1	5.3	10.2	849	4.08	0.6	<0.5	9.6	15	<0.1	<0.1	<0.1	59	0.19
1596524	Rock	1.46	<0.005	0.8	15.9	22.7	126	<0.1	3.7	10.0	924	4.63	1.4	<0.5	9.1	13	<0.1	<0.1	<0.1	61	0.24
1596525	Rock	0.81	<0.005	1.3	24.0	26.6	103	<0.1	6.2	13.4	898	4.82	2.0	<0.5	7.1	16	<0.1	<0.1	0.1	57	0.24
1596526	Rock	0.89	<0.005	<0.1	1.2	0.4	1	<0.1	0.7	0.1	108	0.08	<0.5	<0.5	<0.1	76	<0.1	<0.1	<0.1	<1	33.73
1596527	Rock	0.72	<0.005	0.8	44.4	9.5	147	<0.1	3.9	11.9	1311	5.03	5.9	<0.5	6.8	16	0.2	<0.1	<0.1	75	0.47
1596528	Rock	0.83	<0.005	0.3	15.8	5.5	61	<0.1	10.1	9.1	493	2.87	<0.5	<0.5	7.0	9	<0.1	<0.1	<0.1	36	0.11
1596529	Rock	0.83	<0.005	0.4	26.3	4.6	72	<0.1	7.0	8.1	551	3.04	<0.5	0.8	6.7	12	<0.1	<0.1	<0.1	45	0.15
1596530	Rock	0.76	<0.005	0.6	24.5	6.4	91	<0.1	16.5	17.5	1048	4.66	<0.5	<0.5	5.9	15	<0.1	0.1	<0.1	102	0.23



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CERTIFICATE OF ANALYSIS

WHI18000644.1

Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1596501	Rock	0.007	6	4	0.03	49	0.002	<20	0.31	0.040	0.10	<0.1	<0.01	2.3	<0.1	<0.05	<1	<0.5	<0.2	
1596502	Rock	0.018	11	14	0.32	43	0.018	<20	0.76	0.013	0.13	<0.1	0.01	1.7	<0.1	<0.05	2	<0.5	<0.2	
1596503	Rock	0.054	21	37	0.92	73	0.116	<20	1.98	0.018	0.51	<0.1	0.01	4.6	0.3	<0.05	8	<0.5	<0.2	
1596504	Rock	0.022	11	19	0.29	71	0.035	<20	0.87	0.031	0.23	<0.1	<0.01	2.5	0.1	<0.05	3	<0.5	<0.2	
1596505	Rock	0.022	18	29	0.61	122	0.108	<20	1.48	0.023	0.55	<0.1	<0.01	3.2	0.3	<0.05	5	<0.5	<0.2	
1596506	Rock	0.115	22	11	2.05	855	0.417	<20	2.72	0.070	1.79	<0.1	<0.01	14.4	0.4	<0.05	11	<0.5	<0.2	
1596507	Rock	0.056	26	11	1.25	367	0.227	<20	1.94	0.067	1.05	<0.1	<0.01	7.9	0.3	<0.05	8	<0.5	<0.2	
1596508	Rock	0.062	29	12	1.27	483	0.162	<20	1.93	0.045	0.88	<0.1	<0.01	16.8	0.2	<0.05	9	<0.5	<0.2	
1596509	Rock	0.080	16	4	1.06	341	0.168	<20	1.93	0.039	0.83	<0.1	<0.01	5.9	0.2	<0.05	7	<0.5	<0.2	
1596510	Rock	0.082	17	18	1.50	408	0.291	<20	2.69	0.037	1.39	<0.1	<0.01	10.6	0.6	<0.05	10	<0.5	<0.2	
1596511	Rock	0.128	21	10	2.06	310	0.377	<20	2.87	0.090	1.69	0.1	<0.01	11.6	0.4	<0.05	9	<0.5	<0.2	
1596512	Rock	0.095	26	13	1.11	465	0.291	<20	2.40	0.036	1.21	0.1	<0.01	13.5	0.6	<0.05	11	<0.5	<0.2	
1596513	Rock	0.087	17	8	1.59	528	0.411	<20	2.56	0.088	1.79	<0.1	<0.01	13.0	0.6	<0.05	11	<0.5	<0.2	
1596514	Rock	0.088	13	4	1.33	300	0.348	<20	1.99	0.157	0.65	<0.1	<0.01	13.7	0.2	<0.05	9	0.6	<0.2	
1596515	Rock	0.086	8	18	1.35	346	0.296	<20	2.16	0.104	0.87	0.1	<0.01	10.6	0.3	<0.05	7	<0.5	<0.2	
1596516	Rock	0.162	23	7	1.32	619	0.184	<20	2.55	0.039	0.79	<0.1	0.02	15.0	0.3	<0.05	10	<0.5	<0.2	
1596517	Rock	0.091	19	13	1.46	476	0.228	<20	2.20	0.080	0.81	<0.1	0.01	11.4	0.3	<0.05	9	<0.5	<0.2	
1596518	Rock	0.039	14	8	0.59	223	0.163	<20	1.60	0.037	0.66	<0.1	0.01	6.7	0.3	<0.05	7	<0.5	<0.2	
1596519	Rock	0.075	27	30	1.38	398	0.228	<20	2.27	0.047	1.16	<0.1	<0.01	6.0	0.5	<0.05	8	<0.5	<0.2	
1596520	Rock	0.018	40	7	1.40	260	0.427	<20	2.61	0.040	2.08	<0.1	<0.01	20.1	0.9	<0.05	15	<0.5	<0.2	
1596521	Rock	0.046	7	13	1.42	242	0.287	<20	2.62	0.045	1.39	<0.1	<0.01	15.7	0.6	<0.05	12	<0.5	<0.2	
1596522	Rock	0.097	20	14	1.79	388	0.331	<20	2.60	0.045	1.79	<0.1	0.01	6.4	0.6	<0.05	10	<0.5	<0.2	
1596523	Rock	0.045	22	40	1.52	212	0.264	<20	2.04	0.039	1.39	<0.1	<0.01	12.9	0.7	<0.05	10	<0.5	<0.2	
1596524	Rock	0.088	29	9	1.44	287	0.343	<20	2.55	0.050	1.54	0.1	<0.01	12.5	0.5	<0.05	12	<0.5	<0.2	
1596525	Rock	0.057	18	10	1.47	435	0.216	<20	2.25	0.050	0.89	<0.1	<0.01	11.1	0.4	<0.05	11	<0.5	<0.2	
1596526	Rock	0.007	1	<1	0.46	14	0.006	<20	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1596527	Rock	0.106	22	8	1.89	471	0.333	<20	2.69	0.050	1.78	0.2	<0.01	12.8	0.4	<0.05	11	<0.5	<0.2	
1596528	Rock	0.024	15	53	0.88	131	0.063	<20	1.31	0.042	0.39	0.1	<0.01	8.6	0.2	<0.05	7	<0.5	<0.2	
1596529	Rock	0.032	12	20	0.94	207	0.137	<20	1.54	0.046	0.72	<0.1	0.01	7.4	0.4	<0.05	7	<0.5	<0.2	
1596530	Rock	0.040	21	36	1.00	365	0.112	<20	1.72	0.051	0.54	<0.1	0.01	19.6	0.3	<0.05	8	<0.5	<0.2	



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Method Analyte Unit MDL	WGHT	FA430 Au	AQ200 Mo	AQ200 Cu	AQ200 Pb	AQ200 Zn	AQ200 Ag	AQ200 Ni	AQ200 Co	AQ200 Mn	AQ200 Fe	AQ200 As	AQ200 Au	AQ200 Th	AQ200 Sr	AQ200 Cd	AQ200 Sb	AQ200 Bi	AQ200 V	AQ200 Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1596531	Rock	0.93	<0.005	0.3	90.9	2.2	95	<0.1	8.9	22.0	630	6.03	1.0	1.6	5.5	19	<0.1	<0.1	<0.1	166	0.61
1596532	Rock	0.82	<0.005	0.3	21.8	11.1	126	<0.1	30.9	18.1	820	4.72	0.9	2.4	8.3	17	<0.1	<0.1	<0.1	112	0.42
1596533	Rock	0.73	<0.005	0.8	34.2	29.5	87	<0.1	28.7	10.5	334	3.32	1.6	1.1	12.5	12	<0.1	<0.1	0.2	47	0.18
1596534	Rock	0.94	<0.005	0.3	20.1	5.4	74	<0.1	6.1	5.4	688	3.22	<0.5	2.1	8.2	10	<0.1	<0.1	0.1	28	0.14
1596535	Rock	0.77	<0.005	0.5	10.4	11.7	61	<0.1	3.6	3.2	539	2.76	<0.5	2.2	9.6	9	<0.1	<0.1	0.3	14	0.11
1596536	Rock	0.93	<0.005	1.6	27.1	12.4	97	<0.1	35.7	11.6	370	3.51	5.5	2.5	12.5	13	0.1	0.1	0.1	61	0.16
1596537	Rock	0.65	<0.005	0.7	107.4	6.9	64	0.1	24.2	17.1	763	3.82	3.2	2.3	8.9	24	0.2	0.2	0.2	52	0.59
1596538	Rock	0.83	<0.005	1.1	59.1	5.6	63	<0.1	16.7	11.3	573	3.35	0.8	0.9	5.5	14	<0.1	<0.1	0.2	76	0.26
1596539	Rock	0.56	<0.005	0.6	40.8	5.3	69	<0.1	20.0	15.6	772	3.89	1.3	0.7	5.2	21	0.1	<0.1	<0.1	93	0.35
1596540	Rock	0.84	<0.005	0.5	49.8	4.7	55	<0.1	11.4	12.5	531	3.46	0.6	1.1	6.5	19	<0.1	<0.1	<0.1	74	0.36
1596541	Rock	0.81	<0.005	1.1	45.5	18.6	96	<0.1	42.4	22.2	867	4.32	<0.5	1.9	6.0	20	0.1	<0.1	0.1	126	0.39
1596542	Rock	0.83	<0.005	1.0	98.3	5.8	114	<0.1	55.9	18.0	767	3.80	<0.5	<0.5	6.4	15	<0.1	<0.1	0.2	114	0.14
1596543	Rock	0.91	<0.005	0.7	28.5	12.2	61	<0.1	26.0	13.4	753	3.13	<0.5	1.3	5.0	20	<0.1	<0.1	<0.1	66	0.31
1596544	Rock	1.05	<0.005	0.7	29.3	11.7	168	<0.1	24.0	16.3	691	3.84	1.5	<0.5	7.3	24	<0.1	<0.1	<0.1	70	0.36
1596545	Rock	0.85	<0.005	0.6	47.1	45.1	108	<0.1	17.3	11.6	510	3.47	0.6	1.0	12.6	20	<0.1	<0.1	0.2	74	0.21
1596546	Rock	0.66	<0.005	0.4	44.4	16.8	80	<0.1	27.2	17.9	892	4.31	<0.5	0.6	6.3	27	<0.1	<0.1	<0.1	98	0.43
1596547	Rock	0.92	<0.005	1.0	64.1	7.1	110	<0.1	25.0	20.7	1013	5.36	<0.5	0.8	5.3	18	<0.1	<0.1	<0.1	129	0.45
1596548	Rock	0.85	<0.005	0.4	24.1	3.7	68	<0.1	19.0	13.8	685	3.50	0.6	<0.5	5.3	23	<0.1	<0.1	<0.1	78	0.45
1596549	Rock	0.82	<0.005	0.8	45.6	10.9	120	<0.1	23.1	18.4	762	4.10	<0.5	0.7	5.8	25	0.1	<0.1	<0.1	88	0.48
1596550	Rock	0.93	<0.005	0.5	30.5	15.3	111	<0.1	14.4	9.3	547	3.34	1.0	0.9	9.8	17	0.1	<0.1	0.1	47	0.18
1596551	Rock	0.90	<0.005	0.5	26.6	26.1	90	<0.1	23.4	4.8	633	2.85	2.2	<0.5	5.0	13	0.2	<0.1	0.2	13	0.13
1596552	Rock	1.49	<0.005	0.4	60.0	122.5	109	<0.1	25.8	7.3	515	2.02	1.5	<0.5	10.8	74	0.6	<0.1	1.1	51	0.32
1596553	Rock	0.93	<0.005	1.0	99.8	19.3	139	0.1	16.2	10.6	413	3.11	5.3	0.9	6.9	28	0.3	0.2	0.6	56	0.22
1596554	Rock	0.88	<0.005	1.2	286.1	157.1	129	0.2	18.9	29.5	647	3.62	4.8	3.6	5.5	22	0.4	0.1	3.1	42	0.18
1596555	Rock	0.74	<0.005	0.3	10.7	7.8	54	<0.1	17.9	13.2	465	3.11	1.1	0.8	4.5	21	<0.1	<0.1	<0.1	71	0.57
1596556	Rock	1.39	<0.005	0.7	57.7	14.0	54	<0.1	15.2	11.9	483	2.78	2.0	0.9	7.4	15	<0.1	<0.1	0.2	66	0.22
1596557	Rock	0.74	0.006	0.6	60.8	9.0	95	<0.1	23.6	16.2	961	4.30	7.8	1.9	5.4	20	<0.1	<0.1	<0.1	75	0.35
1596558	Rock	0.81	<0.005	0.9	45.3	179.7	72	0.2	9.2	9.8	670	3.26	1.4	0.7	6.3	49	0.1	<0.1	5.0	59	0.53
1596559	Rock	0.88	<0.005	0.4	6.9	3.9	63	<0.1	5.4	8.0	431	3.03	0.9	<0.5	4.7	22	<0.1	<0.1	<0.1	35	0.34
1596560	Rock	0.89	<0.005	0.7	40.5	29.1	110	<0.1	5.5	8.9	699	3.54	6.6	0.7	8.2	14	0.2	0.2	0.2	39	0.23



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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1596531	Rock	0.112	19	16	2.47	316	0.246	<20	3.25	0.056	1.41	<0.1	0.01	16.6	0.3	<0.05	11	<0.5	<0.2	
1596532	Rock	0.057	22	89	1.58	681	0.321	<20	2.70	0.037	1.60	<0.1	<0.01	13.6	0.6	<0.05	10	0.5	<0.2	
1596533	Rock	0.054	29	40	0.64	259	0.169	<20	1.61	0.019	0.83	<0.1	<0.01	4.6	0.4	<0.05	5	0.6	<0.2	
1596534	Rock	0.026	11	12	0.64	139	0.174	<20	1.31	0.052	0.73	<0.1	<0.01	8.8	0.4	<0.05	7	<0.5	<0.2	
1596535	Rock	0.022	17	7	0.44	106	0.097	<20	0.94	0.050	0.54	<0.1	0.01	7.1	0.3	<0.05	6	0.5	<0.2	
1596536	Rock	0.046	45	49	0.63	228	0.073	<20	1.61	0.023	0.52	<0.1	<0.01	7.4	0.2	<0.05	7	0.5	<0.2	
1596537	Rock	0.091	40	22	0.66	239	0.052	<20	2.07	0.017	0.22	0.2	0.01	7.9	0.1	<0.05	6	0.5	<0.2	
1596538	Rock	0.047	14	25	1.52	474	0.174	<20	2.17	0.026	0.87	<0.1	<0.01	11.1	0.3	<0.05	8	<0.5	<0.2	
1596539	Rock	0.057	13	56	1.75	392	0.277	<20	2.40	0.047	0.83	0.1	<0.01	11.1	0.3	<0.05	9	<0.5	<0.2	
1596540	Rock	0.044	16	33	1.63	601	0.277	<20	2.21	0.071	1.25	<0.1	0.01	8.1	0.2	<0.05	8	<0.5	<0.2	
1596541	Rock	0.058	22	98	2.38	776	0.341	<20	2.79	0.038	1.91	<0.1	<0.01	11.3	0.5	<0.05	10	<0.5	<0.2	
1596542	Rock	0.022	23	68	1.90	585	0.208	<20	2.41	0.028	1.43	<0.1	<0.01	13.2	0.4	<0.05	11	0.9	<0.2	
1596543	Rock	0.045	25	38	1.16	390	0.242	<20	1.84	0.031	1.04	0.1	<0.01	4.5	0.3	<0.05	6	<0.5	<0.2	
1596544	Rock	0.060	11	33	1.14	173	0.289	<20	2.17	0.033	1.04	0.1	<0.01	3.6	0.4	<0.05	7	<0.5	<0.2	
1596545	Rock	0.038	27	44	0.80	183	0.245	<20	1.60	0.037	0.92	<0.1	<0.01	8.0	0.4	<0.05	8	<0.5	<0.2	
1596546	Rock	0.053	18	62	1.67	421	0.302	<20	2.37	0.042	1.40	<0.1	<0.01	8.6	0.5	<0.05	9	<0.5	<0.2	
1596547	Rock	0.100	18	38	2.43	874	0.419	<20	3.30	0.053	2.33	<0.1	0.02	12.9	0.5	<0.05	11	<0.5	<0.2	
1596548	Rock	0.051	11	54	1.75	443	0.304	<20	2.51	0.061	1.40	0.1	<0.01	5.7	0.3	<0.05	8	<0.5	<0.2	
1596549	Rock	0.068	17	42	1.51	331	0.314	<20	2.44	0.037	1.64	<0.1	0.01	5.0	0.5	<0.05	8	<0.5	<0.2	
1596550	Rock	0.039	20	18	0.94	272	0.219	<20	1.75	0.057	1.15	<0.1	<0.01	8.5	0.4	<0.05	8	<0.5	<0.2	
1596551	Rock	0.031	12	7	0.52	329	0.101	<20	1.18	0.049	0.59	<0.1	<0.01	7.2	0.2	<0.05	7	<0.5	<0.2	
1596552	Rock	0.047	34	31	0.54	2827	0.123	<20	0.66	0.078	0.23	<0.1	<0.01	5.9	0.2	0.06	4	<0.5	<0.2	
1596553	Rock	0.024	20	43	0.73	210	0.127	<20	1.59	0.033	0.39	<0.1	0.02	6.4	0.2	<0.05	5	0.5	<0.2	
1596554	Rock	0.031	21	37	0.54	160	0.090	<20	1.03	0.028	0.29	<0.1	<0.01	6.0	0.2	<0.05	4	0.9	<0.2	
1596555	Rock	0.045	15	41	1.37	269	0.233	<20	2.01	0.064	0.96	<0.1	<0.01	7.1	0.2	<0.05	7	<0.5	<0.2	
1596556	Rock	0.050	22	63	0.84	196	0.195	<20	1.53	0.045	0.73	<0.1	<0.01	5.7	0.3	<0.05	6	<0.5	<0.2	
1596557	Rock	0.047	25	86	1.52	311	0.244	<20	2.54	0.029	1.43	<0.1	0.03	11.1	0.4	<0.05	8	<0.5	<0.2	
1596558	Rock	0.039	23	41	0.92	137	0.169	<20	1.43	0.052	0.59	<0.1	<0.01	7.9	0.3	<0.05	6	<0.5	<0.2	
1596559	Rock	0.035	16	32	1.16	268	0.193	<20	1.97	0.048	1.05	0.1	<0.01	6.0	0.2	<0.05	6	<0.5	<0.2	
1596560	Rock	0.048	19	11	0.66	182	0.098	<20	1.49	0.036	0.54	<0.1	0.01	9.4	0.3	<0.05	8	<0.5	<0.2	



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CERTIFICATE OF ANALYSIS

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1596561	Rock	0.83	<0.005	1.0	36.4	7.6	78	<0.1	25.9	13.8	767	2.92	4.8	<0.5	10.2	26	0.3	0.1	0.1	47	0.54
1596562	Rock	1.00	<0.005	0.9	46.6	36.2	61	<0.1	30.4	22.2	577	3.95	8.0	0.9	3.9	25	0.2	0.6	0.6	71	0.42
1596563	Rock	0.89	<0.005	0.7	23.0	9.3	60	<0.1	27.0	11.6	555	2.96	2.1	0.9	12.9	10	<0.1	<0.1	<0.1	39	0.13
1596564	Rock	0.84	<0.005	0.4	23.8	10.7	51	<0.1	9.3	10.1	759	3.03	1.0	0.6	6.1	34	<0.1	0.2	<0.1	51	0.49
1596565	Rock	0.90	<0.005	0.4	12.2	17.8	46	<0.1	25.4	9.4	537	2.77	1.1	<0.5	8.4	17	<0.1	<0.1	0.2	34	0.23
1596566	Rock	0.94	<0.005	1.0	38.3	14.8	53	<0.1	30.3	15.3	446	3.22	7.7	1.1	13.7	18	<0.1	0.3	0.2	37	0.25
1596567	Rock	0.92	<0.005	0.9	48.6	15.8	89	<0.1	19.1	13.5	708	3.48	5.3	0.5	8.8	18	<0.1	0.1	0.1	47	0.28
1596568	Rock	0.64	<0.005	0.5	58.9	19.6	149	<0.1	15.3	11.6	780	3.77	8.4	<0.5	7.4	20	0.3	0.2	0.2	68	0.26
1596569	Rock	0.85	<0.005	0.8	37.6	9.8	73	<0.1	23.7	14.2	733	3.23	5.5	1.7	8.6	19	<0.1	<0.1	0.1	60	0.27
1596570	Rock	0.72	0.019	0.7	12.7	4.4	42	<0.1	8.4	9.8	428	3.15	1.3	1.3	5.1	23	<0.1	<0.1	<0.1	54	0.41
1596571	Rock	1.10	0.005	0.4	18.8	17.7	43	<0.1	13.7	11.6	561	3.42	1.3	2.4	5.1	30	<0.1	<0.1	0.2	60	0.49
1596572	Rock	0.82	0.007	0.4	14.5	5.9	36	<0.1	8.8	9.4	485	3.02	0.7	<0.5	4.2	52	<0.1	<0.1	<0.1	57	0.44
1596573	Rock	0.65	<0.005	0.7	18.2	6.3	26	<0.1	7.0	7.1	255	2.05	2.5	0.9	3.6	25	<0.1	0.1	<0.1	35	0.21
1596574	Rock	0.86	<0.005	0.4	21.2	3.8	30	<0.1	6.2	8.6	338	2.48	1.4	1.3	5.4	54	<0.1	<0.1	<0.1	39	0.51
1596575	Rock	1.25	<0.005	0.4	11.9	2.5	34	<0.1	10.0	12.2	446	2.76	<0.5	0.8	2.6	49	<0.1	<0.1	<0.1	70	0.83
1596576	Rock	1.04	<0.005	<0.1	1.0	0.4	<1	<0.1	0.6	0.2	95	0.08	<0.5	1.3	<0.1	77	<0.1	<0.1	<0.1	<1	33.37
1596577	Rock	0.93	<0.005	0.3	34.9	1.6	36	<0.1	11.0	16.3	461	3.38	<0.5	<0.5	3.4	32	<0.1	<0.1	<0.1	84	0.88
1596578	Rock	0.93	<0.005	0.3	15.0	4.2	26	<0.1	15.6	10.4	348	2.27	0.6	1.8	3.4	30	<0.1	<0.1	<0.1	57	1.02
1596579	Rock	0.88	<0.005	0.3	7.5	1.9	17	<0.1	1.8	2.8	158	1.42	0.7	<0.5	5.7	6	<0.1	<0.1	<0.1	17	0.08
1596580	Rock	0.87	<0.005	1.2	14.5	7.9	24	<0.1	9.0	5.5	188	1.90	3.9	1.1	6.1	18	<0.1	0.2	<0.1	33	0.15
1596581	Rock	0.72	<0.005	0.4	7.0	5.4	21	<0.1	5.5	4.0	178	1.68	2.3	<0.5	9.1	11	<0.1	0.1	0.1	22	0.08
1596582	Rock	0.90	<0.005	0.6	32.9	7.4	109	<0.1	17.6	20.6	1187	5.52	0.9	<0.5	7.5	28	0.1	<0.1	0.1	117	0.49
1596583	Rock	0.83	0.054	0.4	4.8	9.2	15	<0.1	2.1	2.4	189	1.22	0.6	0.6	13.8	8	<0.1	<0.1	<0.1	13	0.06
1596584	Rock	0.86	0.268	0.9	7.5	13.5	17	<0.1	1.9	2.7	207	1.52	0.8	37.8	11.8	8	<0.1	<0.1	<0.1	12	0.06
1596585	Rock	0.85	<0.005	0.3	4.1	5.4	16	<0.1	1.6	2.1	185	1.31	<0.5	<0.5	10.5	19	<0.1	<0.1	<0.1	11	0.04
1596586	Rock	0.79	<0.005	0.4	3.9	6.1	16	<0.1	1.7	2.2	225	1.44	<0.5	<0.5	11.2	8	<0.1	<0.1	<0.1	10	0.04
1596587	Rock	0.82	<0.005	0.6	3.6	2.8	12	<0.1	1.3	1.7	125	1.13	<0.5	<0.5	12.2	10	<0.1	<0.1	<0.1	8	0.03
1596588	Rock	0.76	<0.005	0.3	10.7	5.6	71	<0.1	13.9	7.1	457	2.85	0.6	<0.5	9.0	19	<0.1	<0.1	<0.1	44	0.16
1596589	Rock	0.77	<0.005	0.5	10.7	2.9	34	<0.1	3.4	5.4	398	2.40	0.6	<0.5	8.3	13	<0.1	<0.1	<0.1	28	0.12
1596590	Rock	0.77	<0.005	0.4	6.7	2.4	19	<0.1	2.5	4.0	277	1.69	0.7	<0.5	1.6	18	<0.1	<0.1	<0.1	17	0.06



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Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1596561	Rock	0.067	45	39	1.02	162	0.124	<20	1.79	0.017	0.64	0.1	0.01	5.3	0.4	<0.05	7	<0.5	<0.2
1596562	Rock	0.059	25	76	1.15	180	0.159	<20	2.35	0.026	0.91	<0.1	<0.01	6.5	0.5	<0.05	7	<0.5	<0.2
1596563	Rock	0.035	20	38	0.69	180	0.109	<20	1.49	0.029	0.66	<0.1	0.01	5.3	0.3	<0.05	6	<0.5	<0.2
1596564	Rock	0.044	17	19	1.05	236	0.199	<20	1.99	0.034	0.78	0.2	<0.01	3.8	0.4	<0.05	5	<0.5	<0.2
1596565	Rock	0.039	20	40	0.74	214	0.157	<20	1.62	0.044	0.89	<0.1	0.01	2.7	0.4	<0.05	6	<0.5	<0.2
1596566	Rock	0.035	30	43	0.87	216	0.141	<20	1.85	0.023	0.90	<0.1	0.01	4.8	0.5	<0.05	7	<0.5	<0.2
1596567	Rock	0.041	19	31	0.96	224	0.142	<20	1.59	0.034	0.65	<0.1	<0.01	8.0	0.3	<0.05	7	<0.5	<0.2
1596568	Rock	0.050	22	40	1.16	396	0.126	<20	1.66	0.040	0.49	<0.1	0.01	12.2	0.2	<0.05	9	<0.5	<0.2
1596569	Rock	0.048	22	46	1.16	251	0.146	<20	1.74	0.023	0.80	<0.1	<0.01	7.1	0.3	<0.05	7	<0.5	<0.2
1596570	Rock	0.042	16	26	0.95	284	0.154	<20	1.47	0.066	0.47	<0.1	<0.01	7.6	0.2	<0.05	7	<0.5	<0.2
1596571	Rock	0.066	17	76	1.20	285	0.149	<20	1.58	0.056	0.47	<0.1	<0.01	10.7	0.2	<0.05	8	<0.5	<0.2
1596572	Rock	0.049	15	29	0.97	625	0.156	<20	1.29	0.082	0.29	<0.1	<0.01	8.1	0.1	<0.05	6	<0.5	<0.2
1596573	Rock	0.016	11	17	0.62	314	0.116	<20	1.10	0.042	0.33	<0.1	<0.01	3.6	0.1	<0.05	4	<0.5	<0.2
1596574	Rock	0.048	14	13	0.73	298	0.167	<20	1.16	0.082	0.35	<0.1	<0.01	4.5	0.1	<0.05	5	<0.5	<0.2
1596575	Rock	0.087	8	26	1.02	209	0.174	<20	1.37	0.098	0.39	<0.1	<0.01	6.7	0.1	<0.05	5	<0.5	<0.2
1596576	Rock	0.005	1	<1	0.41	13	0.002	<20	0.03	0.001	0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1596577	Rock	0.097	15	26	1.15	280	0.160	<20	1.57	0.090	0.28	<0.1	<0.01	9.2	0.1	<0.05	6	<0.5	<0.2
1596578	Rock	0.076	7	62	0.92	143	0.159	<20	1.09	0.144	0.27	<0.1	<0.01	7.2	<0.1	<0.05	4	<0.5	<0.2
1596579	Rock	0.008	19	5	0.59	117	0.095	<20	0.70	0.055	0.26	<0.1	<0.01	4.7	0.1	<0.05	4	<0.5	<0.2
1596580	Rock	0.009	19	20	0.36	159	0.073	<20	0.94	0.043	0.09	<0.1	<0.01	5.2	<0.1	<0.05	3	<0.5	<0.2
1596581	Rock	0.008	16	10	0.30	112	0.069	<20	0.79	0.039	0.22	<0.1	<0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
1596582	Rock	0.087	37	50	1.36	356	0.167	<20	2.06	0.039	0.75	<0.1	0.01	19.1	0.2	<0.05	9	<0.5	<0.2
1596583	Rock	0.007	17	6	0.20	77	0.030	<20	0.40	0.043	0.18	<0.1	<0.01	4.6	0.1	<0.05	3	<0.5	<0.2
1596584	Rock	0.008	12	6	0.22	109	0.052	<20	0.50	0.050	0.24	<0.1	<0.01	4.5	<0.1	<0.05	3	<0.5	<0.2
1596585	Rock	0.006	23	4	0.23	1128	0.043	<20	0.43	0.047	0.21	<0.1	<0.01	4.8	<0.1	<0.05	3	<0.5	<0.2
1596586	Rock	0.005	19	4	0.24	155	0.042	<20	0.50	0.046	0.22	<0.1	<0.01	4.8	<0.1	<0.05	3	<0.5	<0.2
1596587	Rock	0.006	20	3	0.13	193	0.023	<20	0.34	0.057	0.14	<0.1	<0.01	3.5	<0.1	<0.05	2	<0.5	<0.2
1596588	Rock	0.022	36	79	1.00	420	0.090	<20	1.17	0.051	0.46	<0.1	<0.01	11.5	0.2	<0.05	6	<0.5	<0.2
1596589	Rock	0.025	22	6	0.32	341	0.037	<20	0.66	0.033	0.23	<0.1	<0.01	8.3	0.1	<0.05	4	<0.5	<0.2
1596590	Rock	0.007	3	5	0.27	132	0.028	<20	0.68	0.039	0.17	<0.1	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2



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Method Analyte	Unit	MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
			Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
1596591	Rock		0.87	<0.005	<0.1	24.0	1.6	42	<0.1	10.8	16.3	540	3.31	<0.5	<0.5	2.3	36	<0.1	<0.1	<0.1	74	0.98
1596592	Rock		0.87	<0.005	0.2	10.1	3.9	49	<0.1	3.2	6.4	343	3.46	1.7	<0.5	5.1	22	<0.1	<0.1	<0.1	26	0.27
1596593	Rock		0.89	<0.005	<0.1	26.0	1.1	41	<0.1	7.6	12.6	458	2.74	<0.5	<0.5	2.6	29	<0.1	<0.1	<0.1	54	0.80
1596594	Rock		0.81	<0.005	0.2	30.1	10.6	39	<0.1	4.8	11.2	599	2.61	<0.5	<0.5	6.0	43	<0.1	<0.1	<0.1	47	0.37
1596595	Rock		0.82	<0.005	0.2	40.5	3.0	28	<0.1	3.8	9.8	428	2.47	0.6	<0.5	4.5	32	<0.1	<0.1	<0.1	47	0.68
1596596	Rock		1.00	<0.005	0.4	21.4	3.9	48	<0.1	10.9	12.4	633	3.30	1.1	<0.5	2.2	48	<0.1	<0.1	<0.1	72	1.72
1596597	Rock		0.75	<0.005	0.1	23.4	59.6	63	<0.1	13.6	17.0	838	3.66	<0.5	<0.5	4.9	57	0.1	<0.1	0.6	90	0.87
1596598	Rock		0.88	<0.005	0.2	17.5	4.7	37	<0.1	10.6	12.6	553	2.92	<0.5	<0.5	3.5	29	<0.1	<0.1	<0.1	65	0.90
1596599	Rock		0.79	<0.005	0.2	10.2	3.5	40	<0.1	2.4	4.6	329	2.44	<0.5	<0.5	6.3	25	<0.1	<0.1	<0.1	36	0.23
1596600	Rock		0.85	<0.005	0.2	42.2	4.0	130	<0.1	5.6	14.2	919	4.29	0.9	<0.5	4.4	27	0.2	<0.1	<0.1	116	0.63
1596601	Rock		0.85	<0.005	0.2	76.2	8.0	94	<0.1	4.4	16.2	763	4.83	1.7	<0.5	6.6	57	<0.1	<0.1	<0.1	105	0.90
1596602	Rock		0.84	<0.005	0.2	27.2	7.5	123	<0.1	8.1	18.0	1132	4.77	1.3	<0.5	4.1	29	0.2	<0.1	0.1	113	0.43
1596603	Rock		0.82	<0.005	0.2	59.0	7.7	119	<0.1	7.9	19.2	1212	5.03	0.5	0.7	4.9	37	0.2	<0.1	0.1	107	0.50
1596604	Rock		0.83	<0.005	0.2	36.6	7.2	81	<0.1	13.6	13.6	1187	4.40	0.8	1.9	4.3	26	0.2	<0.1	0.3	91	0.34
1596605	Rock		0.79	<0.005	0.2	24.8	6.3	87	<0.1	9.4	18.4	1096	4.88	0.8	<0.5	5.0	39	0.1	<0.1	<0.1	103	0.47
1596606	Rock		0.83	<0.005	0.4	21.6	2.3	53	<0.1	5.9	4.9	387	2.46	1.2	0.6	4.7	13	<0.1	<0.1	<0.1	32	0.15
1596607	Rock		0.81	<0.005	0.8	104.6	13.0	270	<0.1	4.0	7.3	1429	5.46	0.8	<0.5	4.2	27	0.3	<0.1	<0.1	30	0.18
1596608	Rock		1.19	<0.005	1.8	35.9	13.4	76	<0.1	17.1	10.6	574	2.86	1.3	<0.5	8.4	17	0.1	<0.1	0.1	45	0.14
1596609	Rock		0.76	<0.005	0.6	32.8	7.2	89	<0.1	19.5	12.8	884	3.99	0.9	<0.5	8.1	16	<0.1	<0.1	<0.1	73	0.25
1596610	Rock		0.80	<0.005	1.6	70.7	13.0	124	<0.1	36.4	12.9	710	3.20	3.0	<0.5	9.3	26	0.3	0.1	0.2	110	0.26
1596611	Rock		0.73	<0.005	1.4	44.5	20.6	150	<0.1	21.6	8.7	601	2.49	8.3	<0.5	12.1	19	0.2	0.3	<0.1	49	0.18
1596612	Rock		0.84	<0.005	1.7	52.2	12.9	119	<0.1	49.7	19.0	801	4.17	2.3	<0.5	12.9	20	0.2	<0.1	0.1	100	0.28
1596613	Rock		0.65	<0.005	1.3	52.2	6.4	86	<0.1	39.8	17.4	501	3.89	2.5	<0.5	11.2	15	<0.1	<0.1	<0.1	97	0.12
1596614	Rock		0.77	<0.005	2.8	46.4	7.9	88	<0.1	33.4	8.6	448	2.26	2.3	<0.5	5.0	48	0.2	<0.1	<0.1	85	0.20
1596615	Rock		0.82	<0.005	1.5	47.5	7.4	86	<0.1	49.6	8.4	456	2.42	3.0	<0.5	4.8	39	0.3	<0.1	<0.1	83	0.15
1596616	Rock		0.54	<0.005	0.9	44.5	5.7	89	<0.1	38.3	16.5	745	4.28	2.6	<0.5	11.3	19	<0.1	<0.1	<0.1	134	0.28
1596617	Rock		0.67	<0.005	1.1	39.4	80.3	83	<0.1	34.2	11.4	467	3.35	6.4	<0.5	7.2	17	<0.1	0.1	0.7	115	0.19
1596618	Rock		0.76	<0.005	1.3	43.2	17.7	102	<0.1	30.5	14.1	1236	3.76	6.6	<0.5	12.9	23	0.2	0.2	<0.1	78	0.20
1596619	Rock		0.74	<0.005	1.0	33.7	17.4	59	<0.1	20.4	9.3	550	2.86	7.4	1.1	9.6	30	<0.1	0.3	<0.1	71	0.21
1596620	Rock		0.79	<0.005	1.0	35.6	9.7	91	<0.1	34.9	12.2	571	3.42	2.3	<0.5	16.7	23	<0.1	<0.1	<0.1	93	0.24



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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1596591	Rock	0.112	11	26	1.30	303	0.193	<20	1.76	0.099	0.45	<0.1	<0.01	7.8	0.2	<0.05	6	<0.5	<0.2	
1596592	Rock	0.042	26	4	0.24	259	0.013	<20	0.88	0.024	0.25	<0.1	0.07	9.2	0.1	<0.05	3	<0.5	<0.2	
1596593	Rock	0.054	10	30	0.97	225	0.132	<20	1.40	0.073	0.31	<0.1	<0.01	7.2	<0.1	<0.05	4	<0.5	<0.2	
1596594	Rock	0.024	21	23	0.55	239	0.069	<20	1.09	0.059	0.13	<0.1	0.01	10.6	<0.1	<0.05	5	<0.5	<0.2	
1596595	Rock	0.050	13	12	0.52	191	0.134	<20	1.00	0.077	0.14	<0.1	0.01	6.7	<0.1	<0.05	4	<0.5	<0.2	
1596596	Rock	0.105	6	50	1.16	96	0.190	<20	1.74	0.260	0.21	<0.1	<0.01	11.6	<0.1	<0.05	5	<0.5	<0.2	
1596597	Rock	0.082	16	47	1.31	417	0.196	<20	1.62	0.094	0.29	0.1	<0.01	14.1	0.1	<0.05	7	<0.5	<0.2	
1596598	Rock	0.093	11	27	0.98	271	0.159	<20	1.26	0.122	0.30	<0.1	<0.01	9.6	0.1	<0.05	5	<0.5	<0.2	
1596599	Rock	0.010	23	4	1.26	328	0.148	<20	1.10	0.048	0.37	<0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2	
1596600	Rock	0.085	15	11	1.30	804	0.248	<20	1.78	0.051	0.74	0.1	0.01	12.9	0.2	<0.05	8	<0.5	<0.2	
1596601	Rock	0.195	20	8	1.26	3970	0.280	<20	2.08	0.080	0.88	0.1	0.01	11.7	0.7	0.09	8	<0.5	<0.2	
1596602	Rock	0.071	21	13	1.12	1731	0.121	<20	1.79	0.025	0.42	<0.1	0.05	18.3	0.2	<0.05	10	<0.5	<0.2	
1596603	Rock	0.093	30	20	1.39	1392	0.126	<20	2.15	0.020	0.55	<0.1	0.02	17.7	0.2	<0.05	10	<0.5	<0.2	
1596604	Rock	0.049	23	54	0.87	1143	0.054	<20	1.61	0.024	0.32	0.1	0.02	18.7	<0.1	<0.05	9	<0.5	<0.2	
1596605	Rock	0.054	19	26	1.56	1076	0.160	<20	2.42	0.016	0.74	<0.1	0.05	18.1	0.2	<0.05	10	<0.5	<0.2	
1596606	Rock	0.022	13	26	0.40	244	0.076	<20	0.84	0.064	0.28	<0.1	0.02	7.7	0.1	<0.05	5	<0.5	<0.2	
1596607	Rock	0.022	15	4	1.30	1067	0.211	<20	1.97	0.045	0.92	<0.1	<0.01	20.5	0.3	<0.05	9	0.6	<0.2	
1596608	Rock	0.031	19	33	0.52	489	0.076	<20	1.38	0.025	0.45	<0.1	<0.01	6.8	0.2	<0.05	6	0.5	<0.2	
1596609	Rock	0.048	34	41	1.35	440	0.278	<20	2.52	0.039	1.43	<0.1	<0.01	11.3	0.5	<0.05	10	<0.5	<0.2	
1596610	Rock	0.056	51	61	0.68	364	0.092	<20	1.52	0.025	0.38	<0.1	<0.01	7.9	0.3	<0.05	8	0.8	<0.2	
1596611	Rock	0.038	40	42	0.38	371	0.054	<20	1.11	0.027	0.27	<0.1	0.01	6.4	0.3	<0.05	5	0.6	<0.2	
1596612	Rock	0.074	38	70	1.25	455	0.236	<20	2.35	0.034	1.17	<0.1	<0.01	8.1	0.5	<0.05	10	0.8	<0.2	
1596613	Rock	0.010	32	72	1.05	414	0.239	<20	2.13	0.023	0.92	<0.1	<0.01	8.2	0.4	<0.05	9	0.5	<0.2	
1596614	Rock	0.038	14	55	0.51	418	0.102	<20	0.93	0.050	0.33	<0.1	<0.01	6.5	0.2	<0.05	5	0.5	<0.2	
1596615	Rock	0.037	17	62	0.59	582	0.094	<20	0.95	0.026	0.43	<0.1	<0.01	5.1	0.2	<0.05	5	<0.5	<0.2	
1596616	Rock	0.054	25	90	1.23	613	0.333	<20	2.44	0.035	1.27	<0.1	<0.01	12.4	0.4	<0.05	10	<0.5	<0.2	
1596617	Rock	0.056	22	64	0.76	567	0.216	<20	1.78	0.021	0.88	<0.1	<0.01	10.1	0.4	<0.05	8	<0.5	<0.2	
1596618	Rock	0.042	66	43	0.73	712	0.166	<20	1.73	0.022	0.65	<0.1	0.04	8.1	0.4	<0.05	8	<0.5	<0.2	
1596619	Rock	0.017	39	35	0.35	289	0.090	<20	1.30	0.037	0.09	<0.1	0.03	6.6	0.1	<0.05	4	<0.5	<0.2	
1596620	Rock	0.057	34	64	0.95	1168	0.231	<20	2.09	0.030	1.13	<0.1	<0.01	9.2	0.5	<0.05	10	<0.5	<0.2	



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Method	Analyte	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
1596621	Rock	0.80	<0.005	1.5	41.6	7.2	70	<0.1	38.9	9.0	864	2.41	100.9	<0.5	6.3	55	<0.1	0.9	<0.1	35	0.08	
1596622	Rock	0.78	<0.005	1.4	34.1	35.9	77	<0.1	35.0	8.9	543	2.68	48.6	<0.5	5.9	69	0.1	0.7	0.2	57	0.07	
1596623	Rock	0.82	<0.005	1.6	37.4	25.1	51	<0.1	29.9	7.2	214	2.14	45.5	<0.5	5.3	19	<0.1	0.6	0.2	30	0.05	
1596624	Rock	0.84	<0.005	1.5	85.3	84.6	91	0.1	72.3	15.4	372	4.39	78.1	<0.5	11.4	42	<0.1	1.2	1.4	93	0.12	
1596625	Rock	0.75	<0.005	1.8	41.6	12.9	41	<0.1	22.3	7.7	268	2.07	24.4	<0.5	5.2	22	<0.1	0.5	<0.1	41	0.05	
1596626	Rock	1.18	<0.005	<0.1	0.8	0.7	4	<0.1	1.2	<0.1	123	0.10	1.2	<0.5	<0.1	78	<0.1	<0.1	<0.1	<1	34.67	
1596627	Rock	0.72	<0.005	1.8	38.4	9.6	45	<0.1	23.3	6.4	160	1.85	91.7	<0.5	3.9	17	<0.1	1.1	<0.1	22	0.10	
1596628	Rock	0.86	<0.005	1.4	30.5	10.0	48	<0.1	23.0	7.0	330	2.04	35.6	<0.5	5.6	9	0.1	0.5	<0.1	31	0.06	
1596629	Rock	0.79	<0.005	2.6	59.6	10.2	177	<0.1	61.3	20.8	913	4.92	2.6	<0.5	11.3	17	0.3	<0.1	<0.1	134	0.28	
1596630	Rock	0.68	<0.005	3.9	64.5	19.3	100	<0.1	50.7	12.8	805	3.32	9.3	<0.5	17.5	27	0.4	0.2	<0.1	35	0.14	
1596631	Rock	0.77	<0.005	5.0	102.9	17.0	145	0.2	52.4	5.5	254	2.95	391.8	<0.5	4.0	60	0.9	1.1	0.1	88	0.18	
1596632	Rock	0.78	<0.005	1.0	18.7	10.4	95	<0.1	47.4	24.4	1390	4.52	10.7	<0.5	17.1	13	<0.1	0.2	<0.1	58	0.14	
1596633	Rock	0.72	<0.005	0.5	22.5	5.8	115	<0.1	51.9	29.9	1105	5.52	4.3	<0.5	16.6	11	<0.1	<0.1	<0.1	57	0.13	
1596634	Rock	0.79	<0.005	1.0	45.9	20.1	77	0.1	41.9	16.4	779	3.97	17.8	<0.5	18.3	19	0.1	0.2	0.2	58	0.27	
1596635	Rock	0.61	<0.005	0.7	52.3	13.8	115	<0.1	33.8	15.9	397	3.18	4.8	1.7	6.6	19	0.1	<0.1	0.2	45	0.47	
1596636	Rock	0.77	<0.005	1.1	27.4	20.5	78	<0.1	17.8	8.2	497	2.43	52.4	<0.5	12.6	21	0.2	0.3	0.3	23	0.13	
1596637	Rock	0.78	<0.005	0.5	20.0	15.9	58	<0.1	15.5	7.3	363	2.10	4.4	<0.5	8.2	9	<0.1	0.1	0.3	26	0.07	



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Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1596621	Rock	0.031	14	19	0.08	5203	0.005	<20	0.49	0.004	0.16	<0.1	0.20	6.0	0.2	0.11	2	0.5	<0.2	
1596622	Rock	0.044	15	34	0.16	3357	0.029	<20	0.57	0.021	0.16	<0.1	0.05	6.3	0.2	0.08	3	<0.5	<0.2	
1596623	Rock	0.018	13	21	0.11	183	0.016	<20	0.45	0.017	0.11	<0.1	0.09	4.5	0.1	<0.05	2	<0.5	<0.2	
1596624	Rock	0.060	24	65	0.94	742	0.174	<20	1.70	0.009	0.97	<0.1	0.11	9.2	0.7	<0.05	7	1.1	<0.2	
1596625	Rock	0.020	11	26	0.12	679	0.028	<20	0.49	0.022	0.09	<0.1	0.03	5.5	0.2	<0.05	2	<0.5	<0.2	
1596626	Rock	0.007	1	<1	0.78	15	0.001	<20	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1596627	Rock	0.015	8	14	0.05	175	0.006	<20	0.33	0.013	0.09	<0.1	0.18	3.8	0.2	<0.05	1	0.7	<0.2	
1596628	Rock	0.026	12	23	0.18	162	0.034	<20	0.55	0.013	0.24	<0.1	0.11	3.9	0.3	<0.05	2	<0.5	<0.2	
1596629	Rock	0.090	24	82	1.28	1075	0.288	<20	2.29	0.016	1.42	0.1	0.03	14.2	0.7	<0.05	10	1.0	<0.2	
1596630	Rock	0.071	42	23	0.13	409	0.017	<20	0.62	0.020	0.18	<0.1	0.03	8.0	0.1	<0.05	3	0.8	<0.2	
1596631	Rock	0.104	15	30	0.07	1411	0.002	<20	0.43	0.004	0.13	<0.1	0.06	6.4	0.1	0.08	2	2.1	<0.2	
1596632	Rock	0.041	56	54	0.95	389	0.325	<20	2.28	0.020	1.43	<0.1	<0.01	9.6	0.6	<0.05	9	<0.5	<0.2	
1596633	Rock	0.019	44	50	1.28	298	0.382	<20	3.02	0.014	1.94	<0.1	<0.01	8.1	0.6	<0.05	9	<0.5	<0.2	
1596634	Rock	0.035	45	54	0.77	324	0.137	<20	2.14	0.027	0.87	<0.1	0.04	7.6	0.4	<0.05	8	0.6	<0.2	
1596635	Rock	0.153	30	45	0.81	236	0.135	<20	1.79	0.027	0.77	<0.1	<0.01	5.4	0.6	<0.05	9	0.5	<0.2	
1596636	Rock	0.044	18	21	0.15	649	0.028	<20	0.62	0.024	0.20	0.1	0.09	6.1	0.2	<0.05	3	0.6	<0.2	
1596637	Rock	0.020	10	28	0.36	107	0.079	<20	1.09	0.029	0.39	0.1	0.02	4.5	0.2	<0.05	5	<0.5	<0.2	



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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1596504	Rock	1.20	<0.005	0.8	11.4	9.8	30	<0.1	16.1	6.6	290	1.60	1.7	0.5	7.8	10	<0.1	0.1	0.1	16	0.11
REP 1596504	QC	<0.005																			
1596511	Rock	0.96	<0.005	0.4	29.1	2.6	104	<0.1	6.6	21.0	866	5.22	<0.5	<0.5	4.3	19	<0.1	<0.1	<0.1	135	0.81
REP 1596511	QC	0.4 29.3 2.6 102 <0.1 6.3 20.0 862 5.19 <0.5 0.7 4.2 19 0.1 <0.1 <0.1 134 0.80																			
1596538	Rock	0.83	<0.005	1.1	59.1	5.6	63	<0.1	16.7	11.3	573	3.35	0.8	0.9	5.5	14	<0.1	<0.1	0.2	76	0.26
REP 1596538	QC	<0.005																			
1596544	Rock	1.05	<0.005	0.7	29.3	11.7	168	<0.1	24.0	16.3	691	3.84	1.5	<0.5	7.3	24	<0.1	<0.1	<0.1	70	0.36
REP 1596544	QC	0.9 28.6 11.4 161 <0.1 23.8 16.0 696 3.74 1.3 1.2 6.9 23 0.1 <0.1 <0.1 69 0.34																			
1596577	Rock	0.93	<0.005	0.3	34.9	1.6	36	<0.1	11.0	16.3	461	3.38	<0.5	<0.5	3.4	32	<0.1	<0.1	<0.1	84	0.88
REP 1596577	QC	<0.005																			
1596579	Rock	0.88	<0.005	0.3	7.5	1.9	17	<0.1	1.8	2.8	158	1.42	0.7	<0.5	5.7	6	<0.1	<0.1	<0.1	17	0.08
REP 1596579	QC	0.3 7.2 1.8 17 <0.1 1.7 2.8 158 1.42 0.8 <0.5 5.4 6 <0.1 <0.1 <0.1 17 0.07																			
1596611	Rock	0.73	<0.005	1.4	44.5	20.6	150	<0.1	21.6	8.7	601	2.49	8.3	<0.5	12.1	19	0.2	0.3	<0.1	49	0.18
REP 1596611	QC	<0.005																			
1596614	Rock	0.77	<0.005	2.8	46.4	7.9	88	<0.1	33.4	8.6	448	2.26	2.3	<0.5	5.0	48	0.2	<0.1	<0.1	85	0.20
REP 1596614	QC	2.9 46.3 8.1 92 <0.1 31.9 8.9 457 2.32 2.1 <0.5 5.3 50 0.2 <0.1 <0.1 88 0.21																			
Core Reject Duplicates																					
1596513	Rock	0.77	<0.005	0.5	11.9	3.5	107	<0.1	4.2	14.8	656	5.11	<0.5	<0.5	7.7	16	<0.1	<0.1	<0.1	94	0.32
DUP 1596513	QC	<0.005 0.4 11.7 3.2 103 <0.1 3.9 14.5 633 4.89 <0.5 <0.5 7.0 12 <0.1 <0.1 <0.1 92 0.28																			
1596547	Rock	0.92	<0.005	1.0	64.1	7.1	110	<0.1	25.0	20.7	1013	5.36	<0.5	0.8	5.3	18	<0.1	<0.1	<0.1	129	0.45
DUP 1596547	QC	<0.005 1.0 68.0 7.8 121 <0.1 28.4 24.1 1119 5.91 <0.5 1.0 5.8 19 <0.1 <0.1 <0.1 145 0.47																			
1596581	Rock	0.72	<0.005	0.4	7.0	5.4	21	<0.1	5.5	4.0	178	1.68	2.3	<0.5	9.1	11	<0.1	0.1	0.1	22	0.08
DUP 1596581	QC	<0.005 0.4 6.9 5.7 21 <0.1 5.3 4.0 168 1.64 2.4 0.9 9.1 10 <0.1 0.1 0.1 21 0.08																			
1596615	Rock	0.82	<0.005	1.5	47.5	7.4	86	<0.1	49.6	8.4	456	2.42	3.0	<0.5	4.8	39	0.3	<0.1	<0.1	83	0.15
DUP 1596615	QC	<0.005 1.3 47.5 7.6 89 <0.1 51.9 9.0 466 2.47 3.1 <0.5 5.0 43 0.3 <0.1 <0.1 88 0.15																			
Reference Materials																					
STD DS11	Standard	15.5 148.5 144.0 348 1.6 80.2 13.7 1030 3.17 43.6 66.3 8.0 71 2.4 7.5 12.2 49 1.05																			
STD DS11	Standard	14.8 152.3 143.7 343 1.9 79.0 13.9 1057 3.18 44.3 80.7 8.3 74 2.4 7.9 12.8 48 1.07																			



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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1596504	Rock	0.022	11	19	0.29	71	0.035	<20	0.87	0.031	0.23	<0.1	<0.01	2.5	0.1	<0.05	3	<0.5	<0.2
REP 1596504	QC																		
1596511	Rock	0.128	21	10	2.06	310	0.377	<20	2.87	0.090	1.69	0.1	<0.01	11.6	0.4	<0.05	9	<0.5	<0.2
REP 1596511	QC	0.129	21	10	2.03	301	0.372	<20	2.84	0.088	1.70	0.1	0.01	11.5	0.4	<0.05	9	<0.5	<0.2
1596538	Rock	0.047	14	25	1.52	474	0.174	<20	2.17	0.026	0.87	<0.1	<0.01	11.1	0.3	<0.05	8	<0.5	<0.2
REP 1596538	QC																		
1596544	Rock	0.060	11	33	1.14	173	0.289	<20	2.17	0.033	1.04	0.1	<0.01	3.6	0.4	<0.05	7	<0.5	<0.2
REP 1596544	QC	0.061	11	33	1.12	180	0.281	<20	2.20	0.032	1.03	0.1	<0.01	3.5	0.4	<0.05	7	<0.5	<0.2
1596577	Rock	0.097	15	26	1.15	280	0.160	<20	1.57	0.090	0.28	<0.1	<0.01	9.2	0.1	<0.05	6	<0.5	<0.2
REP 1596577	QC																		
1596579	Rock	0.008	19	5	0.59	117	0.095	<20	0.70	0.055	0.26	<0.1	<0.01	4.7	0.1	<0.05	4	<0.5	<0.2
REP 1596579	QC	0.008	18	5	0.59	117	0.094	<20	0.68	0.054	0.26	<0.1	0.01	4.5	<0.1	<0.05	4	<0.5	<0.2
1596611	Rock	0.038	40	42	0.38	371	0.054	<20	1.11	0.027	0.27	<0.1	0.01	6.4	0.3	<0.05	5	0.6	<0.2
REP 1596611	QC																		
1596614	Rock	0.038	14	55	0.51	418	0.102	<20	0.93	0.050	0.33	<0.1	<0.01	6.5	0.2	<0.05	5	0.5	<0.2
REP 1596614	QC	0.041	15	59	0.52	442	0.107	<20	0.96	0.053	0.34	<0.1	<0.01	6.1	0.2	<0.05	5	0.6	<0.2
Core Reject Duplicates																			
1596513	Rock	0.087	17	8	1.59	528	0.411	<20	2.56	0.088	1.79	<0.1	<0.01	13.0	0.6	<0.05	11	<0.5	<0.2
DUP 1596513	QC	0.081	16	7	1.55	505	0.393	<20	2.41	0.056	1.71	0.1	0.01	12.2	0.6	<0.05	10	<0.5	<0.2
1596547	Rock	0.100	18	38	2.43	874	0.419	<20	3.30	0.053	2.33	<0.1	0.02	12.9	0.5	<0.05	11	<0.5	<0.2
DUP 1596547	QC	0.109	21	41	2.73	972	0.460	<20	3.67	0.051	2.65	<0.1	<0.01	14.3	0.5	<0.05	12	<0.5	<0.2
1596581	Rock	0.008	16	10	0.30	112	0.069	<20	0.79	0.039	0.22	<0.1	<0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
DUP 1596581	QC	0.008	16	10	0.29	114	0.067	<20	0.77	0.038	0.22	<0.1	<0.01	4.5	<0.1	<0.05	3	<0.5	<0.2
1596615	Rock	0.037	17	62	0.59	582	0.094	<20	0.95	0.026	0.43	<0.1	<0.01	5.1	0.2	<0.05	5	<0.5	<0.2
DUP 1596615	QC	0.041	17	64	0.60	591	0.097	<20	0.99	0.029	0.45	<0.1	<0.01	5.3	0.2	<0.05	5	<0.5	<0.2
Reference Materials																			
STD DS11	Standard	0.074	20	60	0.84	433	0.095	<20	1.11	0.075	0.40	2.6	0.25	3.5	5.0	0.27	5	1.8	4.6
STD DS11	Standard	0.075	20	60	0.85	442	0.099	<20	1.15	0.074	0.41	2.9	0.25	3.4	5.0	0.28	5	3.1	4.9



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		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
STD DS11	Standard			12.6	147.8	134.1	323	1.6	75.8	13.2	990	2.99	42.9	81.6	7.4	68	2.4	6.7	11.6	48	1.00
STD DS11	Standard			15.4	155.0	147.9	341	1.9	79.0	14.3	1086	3.18	43.4	159.9	8.6	70	2.2	6.7	12.9	50	1.07
STD OREAS45EA	Standard			1.6	693.9	14.2	33	0.2	388.6	50.8	412	23.14	11.5	56.8	10.7	4	<0.1	0.3	0.2	322	0.03
STD OREAS45EA	Standard			1.6	724.2	15.2	36	0.3	406.2	55.5	433	24.71	11.8	52.7	11.4	4	<0.1	0.3	0.3	339	0.03
STD OREAS45EA	Standard			1.4	652.9	13.0	29	0.2	349.5	47.8	369	20.99	9.8	46.6	9.9	4	<0.1	0.2	0.3	275	0.03
STD OREAS45EA	Standard			1.7	705.8	14.8	31	0.3	390.3	50.2	399	20.52	11.6	45.6	10.9	4	<0.1	0.3	0.2	294	0.03
STD OXC145	Standard		0.214																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.314																		
STD OXH139	Standard		1.285																		
STD OXN134	Standard		7.870																		
STD OXN134	Standard		7.611																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OXN134 Expected			7.667																		
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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																		
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.5	3.5	1.6	42	<0.1	0.9	3.7	528	1.84	1.0	0.6	2.0	30	<0.1	<0.1	<0.1	21	0.66
ROCK-WHI	Prep Blank		<0.005	1.6	5.3	1.7	41	<0.1	1.0	3.6	537	1.81	1.0	<0.5	2.1	25	<0.1	<0.1	<0.1	21	0.65



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		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS11	Standard	0.075	18	56	0.79	409	0.092	<20	1.08	0.070	0.39	2.7	0.25	3.2	4.6	0.28	5	2.3	4.0
STD DS11	Standard	0.073	20	61	0.86	423	0.099	<20	1.18	0.073	0.41	2.6	0.26	3.4	5.2	0.28	5	1.8	4.7
STD OREAS45EA	Standard	0.031	7	821	0.10	143	0.100	<20	3.22	0.021	0.05	<0.1	0.01	83.2	<0.1	<0.05	13	1.8	<0.2
STD OREAS45EA	Standard	0.034	8	897	0.11	151	0.112	<20	3.46	0.020	0.06	<0.1	0.03	86.7	<0.1	<0.05	13	1.3	<0.2
STD OREAS45EA	Standard	0.029	6	779	0.09	133	0.094	<20	2.90	0.019	0.05	<0.1	<0.01	74.8	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA	Standard	0.030	7	847	0.10	135	0.105	<20	3.25	0.015	0.05	<0.1	<0.01	79.0	<0.1	<0.05	12	0.7	<0.2
STD OXC145	Standard																		
STD OXC145	Standard																		
STD OXH139	Standard																		
STD OXH139	Standard																		
STD OXN134	Standard																		
STD OXN134	Standard																		
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053			78	0.072	0.036	12.4	0.78	0.1
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD OXN134 Expected																			
STD OXC145 Expected																			
STD OXH139 Expected																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
ROCK-WHI	Prep Blank	0.039	6	3	0.48	63	0.079	<20	0.94	0.078	0.09	<0.1	<0.01	2.7	<0.1	0.06	4	<0.5	<0.2
ROCK-WHI	Prep Blank	0.041	6	3	0.50	53	0.084	<20	0.94	0.077	0.09	<0.1	<0.01	2.7	<0.1	0.05	4	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
Canada

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

Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 14, 2018
Report Date: September 29, 2018
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CERTIFICATE OF ANALYSIS

WHI18000645.1

CLIENT JOB INFORMATION

Project: GCP
Shipment ID: GCP-20180810-001-PROBE
P.O. Number
Number of Samples: 138

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	138	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	138	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	138	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	138	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	138	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: GCP

Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
			Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
MDL		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
1596638	Rock	0.81	<0.005	0.5	9.1	8.8	62	<0.1	28.8	10.0	398	3.16	1.6	<0.5	20.5	10	<0.1	<0.1	<0.1	32	0.11
1596639	Rock	0.76	<0.005	0.7	11.5	11.3	60	<0.1	35.3	14.0	389	3.60	10.8	<0.5	18.6	13	<0.1	<0.1	<0.1	38	0.19
1596640	Rock	0.56	<0.005	0.9	11.4	12.2	53	<0.1	27.7	12.1	445	3.32	3.1	<0.5	14.7	8	<0.1	<0.1	<0.1	34	0.12
1596641	Rock	0.79	0.014	0.6	16.1	7.6	59	<0.1	23.6	13.2	627	3.19	2.4	7.1	11.8	20	<0.1	<0.1	0.3	54	0.11
1596642	Rock	0.84	<0.005	0.8	26.6	7.1	65	<0.1	24.3	12.0	461	3.63	1.9	2.0	12.6	19	<0.1	<0.1	<0.1	73	0.16
1596643	Rock	0.54	<0.005	1.0	36.5	4.9	62	<0.1	32.6	16.5	587	3.40	0.9	0.6	11.9	11	<0.1	<0.1	<0.1	39	0.14
1596644	Rock	0.76	<0.005	2.3	56.8	9.0	55	<0.1	44.2	16.0	873	3.22	6.2	<0.5	10.0	15	<0.1	0.2	0.1	59	0.19
1596645	Rock	0.78	<0.005	1.2	32.5	10.5	61	<0.1	33.9	13.2	547	3.38	12.2	1.1	14.0	13	0.1	0.2	<0.1	43	0.13
1596646	Rock	0.81	<0.005	0.5	34.6	10.9	170	<0.1	31.0	16.8	781	4.62	1.3	<0.5	19.6	20	0.2	<0.1	0.1	79	0.24
1596647	Rock	0.84	<0.005	1.5	41.9	14.2	76	<0.1	39.5	16.7	610	3.57	1.8	<0.5	12.2	19	0.1	0.1	0.1	59	0.19
1596648	Rock	0.63	<0.005	1.0	35.8	11.9	69	<0.1	22.3	11.4	578	3.57	1.1	<0.5	15.3	26	<0.1	<0.1	0.1	55	0.17
1596649	Rock	0.78	<0.005	1.5	37.7	7.7	71	<0.1	29.1	16.7	629	3.65	0.6	<0.5	13.4	27	<0.1	<0.1	<0.1	92	0.21
1596650	Rock	1.13	<0.005	1.2	31.8	11.0	76	<0.1	26.8	11.9	587	3.32	1.7	1.0	14.1	19	0.1	<0.1	<0.1	76	0.16
1596651	Rock	0.77	<0.005	1.8	41.9	13.6	86	<0.1	43.3	13.5	582	4.12	<0.5	<0.5	9.3	28	<0.1	<0.1	0.1	149	0.33
1596652	Rock	0.57	<0.005	0.9	28.1	12.5	53	<0.1	21.8	13.5	603	3.59	1.0	<0.5	12.2	21	<0.1	<0.1	0.1	51	0.17
1596653	Rock	0.79	<0.005	1.1	44.5	17.1	90	<0.1	38.8	11.4	561	2.79	<0.5	0.6	11.1	23	0.1	<0.1	0.1	70	0.36
1596654	Rock	0.76	<0.005	1.8	67.6	27.5	136	<0.1	44.1	19.2	947	5.20	1.0	<0.5	25.6	34	0.2	<0.1	0.2	121	0.34
1596655	Rock	0.87	0.010	1.0	31.3	4.4	54	<0.1	29.8	14.8	644	3.66	1.3	<0.5	13.1	15	<0.1	<0.1	<0.1	45	0.17
1596656	Rock	0.72	0.009	0.8	28.3	8.1	63	<0.1	51.9	16.9	677	3.79	1.0	<0.5	11.8	19	<0.1	<0.1	<0.1	68	0.26
1596657	Rock	0.72	<0.005	8.5	24.3	8.0	31	<0.1	16.0	9.5	320	2.40	1.4	0.6	8.9	11	<0.1	<0.1	0.6	26	0.07
1596658	Rock	0.90	<0.005	1.8	19.0	4.5	54	<0.1	25.9	13.7	375	3.39	2.6	<0.5	15.7	18	<0.1	<0.1	<0.1	41	0.10
1596659	Rock	0.71	<0.005	0.9	37.6	6.2	63	<0.1	44.0	17.5	628	3.33	3.7	2.3	13.2	20	<0.1	0.1	<0.1	47	0.21
1596660	Rock	0.75	<0.005	0.6	46.3	5.1	74	<0.1	32.6	36.5	724	4.37	0.6	<0.5	17.1	18	<0.1	<0.1	<0.1	63	0.09
1596661	Rock	0.79	<0.005	1.4	51.7	50.1	85	<0.1	29.1	19.1	773	3.76	3.5	<0.5	13.8	22	<0.1	<0.1	0.4	65	0.14
1596662	Rock	0.81	0.006	0.9	30.4	34.8	71	<0.1	23.9	13.9	635	3.63	<0.5	<0.5	15.0	32	<0.1	<0.1	0.1	66	0.17
1596663	Rock	0.79	0.026	1.3	48.2	8.4	71	<0.1	29.9	17.3	551	3.75	1.2	0.8	17.1	47	0.1	<0.1	<0.1	63	0.19
1596664	Rock	0.74	0.104	0.9	29.6	9.8	54	<0.1	18.3	11.2	506	3.11	0.6	<0.5	14.9	28	<0.1	<0.1	<0.1	45	0.11
1596665	Rock	0.80	<0.005	0.6	23.6	7.7	27	<0.1	14.9	7.8	268	2.07	2.2	<0.5	8.6	21	<0.1	<0.1	<0.1	30	0.13
1596666	Rock	0.92	<0.005	0.3	25.6	5.0	50	<0.1	151.0	26.5	536	3.21	0.7	<0.5	6.5	56	0.1	<0.1	<0.1	73	0.79
1596667	Rock	0.82	<0.005	0.7	35.8	8.9	98	<0.1	52.2	27.4	684	4.25	<0.5	<0.5	14.4	40	0.1	<0.1	<0.1	78	0.36



Bureau Veritas Commodities Canada Ltd.

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Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1596638	Rock	0.024	43	34	0.74	316	0.169	<20	1.66	0.016	1.01	<0.1	<0.01	4.8	0.5	<0.05	6	<0.5	<0.2
1596639	Rock	0.054	55	34	0.93	406	0.156	<20	2.12	0.009	1.01	<0.1	<0.01	4.7	0.4	<0.05	7	<0.5	<0.2
1596640	Rock	0.049	20	38	0.88	184	0.162	<20	1.98	0.021	0.96	<0.1	<0.01	4.8	0.4	<0.05	7	<0.5	<0.2
1596641	Rock	0.046	16	40	0.77	607	0.197	<20	1.67	0.039	0.85	<0.1	<0.01	6.7	0.4	<0.05	8	<0.5	<0.2
1596642	Rock	0.054	25	44	1.03	313	0.242	<20	2.14	0.046	1.26	<0.1	<0.01	8.2	0.5	<0.05	9	<0.5	<0.2
1596643	Rock	0.040	51	38	0.84	213	0.135	<20	1.85	0.016	0.83	<0.1	<0.01	5.1	0.4	<0.05	6	<0.5	<0.2
1596644	Rock	0.044	31	43	0.87	294	0.133	<20	1.66	0.014	0.78	<0.1	0.01	5.5	0.4	<0.05	7	<0.5	<0.2
1596645	Rock	0.028	30	41	0.78	319	0.168	<20	1.81	0.009	0.99	<0.1	0.01	5.6	0.5	<0.05	6	<0.5	<0.2
1596646	Rock	0.035	32	72	1.22	478	0.354	<20	2.84	0.070	1.82	0.1	<0.01	10.1	0.6	<0.05	11	<0.5	<0.2
1596647	Rock	0.043	28	53	0.90	282	0.175	<20	2.01	0.033	0.94	<0.1	<0.01	5.7	0.4	<0.05	8	<0.5	<0.2
1596648	Rock	0.038	35	50	0.78	253	0.237	<20	1.88	0.056	1.01	<0.1	<0.01	6.5	0.5	<0.05	8	<0.5	<0.2
1596649	Rock	0.053	29	60	0.87	334	0.242	<20	1.99	0.061	1.08	<0.1	<0.01	7.7	0.5	<0.05	9	<0.5	<0.2
1596650	Rock	0.039	27	55	0.76	225	0.191	<20	1.67	0.039	0.72	<0.1	0.01	8.7	0.4	<0.05	8	<0.5	<0.2
1596651	Rock	0.075	26	102	1.30	477	0.297	<20	2.64	0.053	1.42	<0.1	<0.01	9.4	0.7	<0.05	10	<0.5	<0.2
1596652	Rock	0.031	31	51	0.71	244	0.244	<20	1.80	0.062	1.03	<0.1	<0.01	5.3	0.5	<0.05	7	<0.5	<0.2
1596653	Rock	0.075	31	114	1.03	268	0.194	<20	1.48	0.057	0.80	<0.1	<0.01	6.5	0.5	<0.05	7	0.7	<0.2
1596654	Rock	0.087	47	130	1.24	737	0.194	<20	2.62	0.035	1.11	<0.1	<0.01	13.0	0.5	<0.05	14	<0.5	<0.2
1596655	Rock	0.044	25	47	0.83	358	0.241	<20	1.77	0.030	1.11	<0.1	<0.01	6.0	0.4	<0.05	7	<0.5	<0.2
1596656	Rock	0.071	29	75	1.16	369	0.247	<20	2.74	0.037	1.47	<0.1	<0.01	7.9	0.5	<0.05	10	<0.5	<0.2
1596657	Rock	0.021	23	47	0.52	138	0.118	<20	1.19	0.024	0.54	<0.1	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
1596658	Rock	0.032	29	46	0.82	205	0.150	<20	1.99	0.030	0.85	<0.1	<0.01	4.3	0.4	<0.05	6	<0.5	<0.2
1596659	Rock	0.050	40	63	0.81	380	0.177	<20	1.88	0.023	0.79	<0.1	0.02	7.4	0.4	<0.05	6	0.8	<0.2
1596660	Rock	0.031	31	57	0.96	535	0.251	<20	2.06	0.039	1.25	<0.1	0.01	9.2	0.5	0.08	9	<0.5	<0.2
1596661	Rock	0.033	38	57	0.91	274	0.192	<20	1.73	0.036	1.03	<0.1	<0.01	8.3	0.4	<0.05	8	<0.5	<0.2
1596662	Rock	0.042	33	59	0.94	329	0.279	<20	2.01	0.067	1.28	<0.1	<0.01	7.8	0.5	<0.05	8	<0.5	<0.2
1596663	Rock	0.041	40	59	0.89	282	0.231	<20	1.87	0.058	0.92	<0.1	<0.01	7.3	0.4	<0.05	8	<0.5	<0.2
1596664	Rock	0.030	32	47	0.72	206	0.211	<20	1.60	0.050	0.89	<0.1	<0.01	6.3	0.4	<0.05	7	0.5	<0.2
1596665	Rock	0.018	19	30	0.41	173	0.102	<20	0.95	0.027	0.32	<0.1	<0.01	3.3	0.2	<0.05	3	<0.5	<0.2
1596666	Rock	0.083	24	509	2.29	358	0.266	<20	2.63	0.042	1.29	<0.1	<0.01	6.7	0.6	<0.05	7	0.7	<0.2
1596667	Rock	0.053	27	86	1.32	309	0.329	<20	2.95	0.090	1.76	<0.1	<0.01	8.2	0.8	<0.05	10	<0.5	<0.2



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Project: GCP

Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

WHI18000645.1

Method Analyte	Unit	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
			Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
MDL		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
1596668	Rock	0.83	<0.005	0.8	37.2	21.5	79	<0.1	38.5	26.2	695	3.47	0.6	0.7	14.3	55	0.1	<0.1	0.1	64	0.44
1596669	Rock	0.67	<0.005	1.3	34.3	17.3	80	<0.1	18.3	11.0	602	3.74	1.5	<0.5	11.4	41	<0.1	<0.1	0.1	86	0.14
1596670	Rock	0.74	<0.005	1.3	56.6	7.1	104	<0.1	36.2	15.7	577	3.85	<0.5	<0.5	9.5	18	<0.1	<0.1	<0.1	104	0.32
1596671	Rock	0.83	<0.005	1.0	29.7	8.9	75	<0.1	19.7	8.7	559	3.34	<0.5	1.2	14.8	36	0.1	<0.1	<0.1	61	0.25
1596672	Rock	1.43	<0.005	1.7	31.9	5.3	51	<0.1	21.0	11.5	499	2.72	1.4	<0.5	8.9	21	<0.1	<0.1	<0.1	55	0.18
1596673	Rock	0.75	<0.005	0.7	27.9	6.3	68	<0.1	24.0	10.7	507	3.02	0.6	<0.5	11.2	29	<0.1	<0.1	<0.1	59	0.22
1596674	Rock	0.90	0.015	0.8	46.7	12.3	130	<0.1	85.1	17.4	882	4.54	1.2	12.7	16.9	32	0.3	<0.1	<0.1	68	0.34
1596675	Rock	0.80	0.059	1.1	61.0	11.0	111	0.2	47.9	12.5	538	3.18	1.5	44.6	11.8	25	0.3	<0.1	0.2	105	0.31
1596676	Rock	1.38	<0.005	<0.1	0.5	0.4	1	<0.1	0.9	0.1	98	0.07	0.6	0.6	<0.1	76	<0.1	<0.1	<0.1	<1	33.55
1596677	Rock	0.89	0.006	1.0	49.4	10.0	112	<0.1	48.0	16.9	631	3.46	<0.5	3.0	13.1	65	0.4	<0.1	<0.1	63	0.65
1596678	Rock	0.85	0.016	1.8	50.0	13.2	119	<0.1	39.0	12.3	586	3.15	1.8	13.9	8.8	38	0.2	<0.1	0.1	104	0.28
1596679	Rock	0.85	<0.005	0.6	25.7	12.2	62	<0.1	35.9	10.8	344	2.80	0.7	1.3	9.0	21	<0.1	<0.1	0.1	44	0.22
1596680	Rock	0.84	0.008	1.8	48.2	8.6	59	<0.1	23.2	12.2	415	3.65	1.4	<0.5	11.9	34	<0.1	<0.1	<0.1	37	0.12
1596681	Rock	0.83	0.010	1.4	45.8	10.1	59	<0.1	20.0	9.5	290	3.33	3.8	3.2	13.1	22	<0.1	<0.1	<0.1	31	0.10
1596682	Rock	0.88	0.008	1.5	65.9	15.1	99	0.2	43.5	68.2	793	3.62	2.3	3.1	10.7	15	<0.1	<0.1	<0.1	55	0.14
1596683	Rock	0.87	0.066	0.4	33.6	10.9	257	<0.1	43.8	17.4	537	4.30	1.1	51.0	14.5	20	0.2	<0.1	<0.1	63	0.19
1596684	Rock	0.80	0.050	0.4	30.0	6.6	53	<0.1	26.5	14.1	410	2.95	1.2	77.8	13.4	16	<0.1	<0.1	<0.1	41	0.12
1596685	Rock	0.85	0.009	0.7	25.9	9.1	41	<0.1	36.1	11.3	1118	3.23	4.1	5.6	11.2	12	<0.1	0.2	<0.1	46	0.09
1596686	Rock	0.85	<0.005	0.4	45.7	4.4	54	<0.1	91.7	20.3	641	3.65	0.6	1.5	8.3	53	<0.1	<0.1	<0.1	65	0.80
1596687	Rock	0.80	0.013	0.6	79.4	4.5	45	<0.1	169.0	28.3	765	3.37	1.0	1.2	5.7	61	<0.1	<0.1	<0.1	68	1.00
1596688	Rock	0.75	0.005	0.6	62.1	7.3	160	<0.1	98.4	24.0	915	4.40	0.9	0.7	5.4	36	0.2	<0.1	<0.1	80	0.83
1596689	Rock	0.86	<0.005	0.4	33.0	8.0	97	<0.1	54.0	22.0	1391	5.35	<0.5	<0.5	15.1	23	<0.1	<0.1	<0.1	84	0.30
1596690	Rock	0.58	0.012	0.6	19.7	7.5	35	<0.1	18.7	7.8	570	2.15	4.0	<0.5	7.2	31	<0.1	0.2	<0.1	41	0.20
1596691	Rock	0.71	<0.005	0.6	26.3	6.8	42	<0.1	18.7	8.5	372	2.41	1.3	<0.5	8.3	98	<0.1	0.1	<0.1	60	0.22
1596692	Rock	1.19	<0.005	2.7	22.4	8.3	60	<0.1	21.5	9.4	654	2.70	0.8	0.7	6.4	126	<0.1	<0.1	<0.1	64	0.42
1596693	Rock	0.80	<0.005	0.3	41.9	15.1	90	<0.1	48.4	12.3	476	3.12	0.8	0.9	20.5	164	0.1	<0.1	<0.1	116	0.28
1596694	Rock	0.87	<0.005	0.4	55.4	14.2	149	0.1	23.3	16.6	779	3.77	0.6	0.9	6.8	66	0.2	<0.1	<0.1	94	0.62
1596695	Rock	1.21	<0.005	1.0	42.5	29.4	36	<0.1	12.8	7.0	418	2.43	0.9	<0.5	11.3	56	<0.1	<0.1	0.1	41	0.22
1596696	Rock	0.62	0.007	0.6	56.7	54.4	42	<0.1	23.7	6.0	849	2.42	4.4	3.6	11.7	87	<0.1	0.2	0.3	47	0.28
1596697	Rock	0.77	<0.005	1.2	54.0	14.1	101	<0.1	30.0	18.4	468	2.74	39.5	<0.5	11.9	17	0.1	0.3	<0.1	39	0.18



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Project: GCP
Report Date: September 29, 2018

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WHI18000645.1

Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
1596668	Rock	0.039	36	75	0.93	334	0.238	<20	2.09	0.066	1.01	<0.1	<0.01	6.4	0.5	<0.05	8	<0.5	<0.2	
1596669	Rock	0.051	31	58	0.94	422	0.249	<20	2.05	0.044	1.13	<0.1	<0.01	7.1	0.5	0.08	8	0.6	<0.2	
1596670	Rock	0.099	21	71	1.12	562	0.273	<20	2.16	0.036	1.38	<0.1	<0.01	7.2	0.6	<0.05	9	0.6	<0.2	
1596671	Rock	0.048	36	54	0.89	383	0.278	<20	2.26	0.095	1.36	<0.1	<0.01	6.5	0.5	0.07	9	<0.5	<0.2	
1596672	Rock	0.045	25	42	0.60	287	0.176	<20	1.49	0.048	0.74	<0.1	<0.01	5.1	0.4	<0.05	6	0.6	<0.2	
1596673	Rock	0.047	28	53	0.83	284	0.230	<20	1.79	0.064	1.03	<0.1	<0.01	6.7	0.4	<0.05	7	<0.5	<0.2	
1596674	Rock	0.051	63	88	1.22	620	0.173	<20	2.39	0.017	1.12	<0.1	<0.01	10.3	0.4	<0.05	11	<0.5	<0.2	
1596675	Rock	0.082	41	83	1.00	654	0.192	<20	1.72	0.037	0.96	0.9	<0.01	8.3	0.4	<0.05	8	0.6	0.5	
1596676	Rock	0.007	1	<1	0.49	13	0.001	<20	0.02	0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	
1596677	Rock	0.076	60	55	0.84	353	0.195	<20	1.80	0.045	0.81	0.2	<0.01	5.1	0.4	<0.05	7	<0.5	<0.2	
1596678	Rock	0.092	26	75	0.83	629	0.161	<20	1.31	0.036	0.76	0.2	<0.01	8.6	0.4	<0.05	7	1.3	0.2	
1596679	Rock	0.032	25	59	1.01	240	0.185	<20	1.56	0.035	0.83	<0.1	<0.01	4.9	0.4	<0.05	6	<0.5	<0.2	
1596680	Rock	0.030	35	40	0.57	227	0.073	<20	1.52	0.027	0.55	<0.1	<0.01	5.1	0.3	0.06	6	0.7	<0.2	
1596681	Rock	0.030	37	40	0.60	220	0.078	<20	1.44	0.016	0.55	<0.1	<0.01	4.5	0.4	<0.05	5	0.8	<0.2	
1596682	Rock	0.024	32	72	0.91	380	0.094	<20	1.83	0.027	0.72	<0.1	<0.01	7.8	0.4	<0.05	7	<0.5	<0.2	
1596683	Rock	0.042	36	69	1.21	698	0.244	<20	2.49	0.037	1.66	<0.1	0.03	8.6	0.5	<0.05	9	<0.5	<0.2	
1596684	Rock	0.020	34	42	0.84	417	0.158	<20	1.49	0.033	0.90	<0.1	<0.01	5.8	0.3	<0.05	7	<0.5	<0.2	
1596685	Rock	0.019	26	31	0.64	465	0.113	<20	1.34	0.020	0.75	<0.1	0.02	6.4	0.2	<0.05	5	<0.5	<0.2	
1596686	Rock	0.165	29	109	1.12	398	0.282	<20	1.65	0.061	0.96	0.1	<0.01	5.5	0.3	<0.05	7	<0.5	<0.2	
1596687	Rock	0.272	17	167	1.32	227	0.239	<20	1.72	0.041	0.85	0.2	<0.01	4.6	0.5	<0.05	7	<0.5	<0.2	
1596688	Rock	0.258	26	117	1.67	537	0.309	<20	2.42	0.024	1.55	0.2	<0.01	5.1	0.7	<0.05	9	<0.5	<0.2	
1596689	Rock	0.048	31	69	1.46	688	0.404	<20	2.80	0.036	1.94	<0.1	<0.01	14.2	0.7	<0.05	12	<0.5	<0.2	
1596690	Rock	0.036	17	30	0.41	332	0.084	<20	1.01	0.028	0.11	<0.1	<0.01	3.3	0.1	<0.05	4	<0.5	<0.2	
1596691	Rock	0.054	27	37	0.36	1698	0.117	<20	0.81	0.033	0.27	<0.1	0.01	4.4	0.1	<0.05	4	0.7	<0.2	
1596692	Rock	0.070	23	41	0.54	1384	0.153	<20	0.82	0.043	0.29	0.1	<0.01	5.2	0.2	<0.05	4	<0.5	<0.2	
1596693	Rock	0.051	36	78	0.67	2049	0.184	<20	1.14	0.024	0.65	<0.1	0.02	10.1	0.3	<0.05	7	<0.5	<0.2	
1596694	Rock	0.054	18	59	1.37	4769	0.198	<20	1.73	0.028	0.73	0.1	0.01	8.0	0.6	0.09	6	<0.5	<0.2	
1596695	Rock	0.025	24	31	0.40	1621	0.136	<20	0.92	0.033	0.29	<0.1	<0.01	4.6	0.2	0.06	4	<0.5	<0.2	
1596696	Rock	0.081	33	22	0.17	222	0.084	<20	1.12	0.008	0.11	<0.1	0.07	8.8	0.1	<0.05	4	<0.5	<0.2	
1596697	Rock	0.040	32	28	0.36	303	0.053	<20	1.13	0.008	0.48	<0.1	0.02	4.3	0.3	<0.05	4	<0.5	<0.2	



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CERTIFICATE OF ANALYSIS

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1596698	Rock	0.82	0.006	0.6	40.0	12.2	49	<0.1	22.0	12.0	576	1.99	1.4	<0.5	10.3	87	<0.1	<0.1	<0.1	34	0.54
1596699	Rock	0.75	0.007	0.6	78.1	30.5	57	<0.1	27.3	13.1	568	3.16	1.5	<0.5	7.7	44	<0.1	0.2	0.4	49	0.20
1596700	Rock	0.83	0.011	0.4	43.7	17.2	42	<0.1	16.6	7.6	330	2.02	1.2	<0.5	8.3	17	<0.1	0.1	0.1	29	0.13
1596701	Rock	0.80	<0.005	0.4	45.4	14.4	40	<0.1	8.3	8.0	343	1.83	<0.5	<0.5	5.4	108	<0.1	<0.1	<0.1	33	0.40
1596702	Rock	0.74	<0.005	0.5	74.4	69.1	60	<0.1	39.6	13.9	1290	3.12	2.4	1.0	14.2	25	<0.1	0.2	0.2	52	0.22
1596703	Rock	0.75	0.005	0.4	14.2	14.7	14	<0.1	7.5	3.8	264	1.31	1.3	<0.5	6.1	8	<0.1	<0.1	0.1	11	0.05
1596704	Rock	0.73	<0.005	0.3	7.5	3.2	13	<0.1	6.0	2.9	191	1.40	<0.5	<0.5	6.6	7	<0.1	<0.1	<0.1	14	0.08
1596705	Rock	0.80	0.006	0.4	8.3	24.4	24	<0.1	11.4	3.7	254	1.45	0.8	<0.5	6.9	14	<0.1	<0.1	0.3	18	0.08
1596706	Rock	0.66	<0.005	0.5	13.6	4.8	19	<0.1	7.8	6.7	498	1.38	4.7	3.3	5.5	15	<0.1	0.1	<0.1	28	0.16
1596707	Rock	0.53	<0.005	0.4	16.5	4.2	19	<0.1	8.2	5.0	237	1.37	2.3	2.0	5.2	21	<0.1	<0.1	<0.1	24	0.15
1596708	Rock	0.73	<0.005	0.4	33.2	7.0	36	<0.1	19.1	10.9	693	1.95	2.6	0.7	4.1	58	<0.1	<0.1	<0.1	41	0.37
1596709	Rock	0.81	<0.005	0.4	28.9	2.7	49	<0.1	15.6	13.9	532	2.75	1.1	2.1	3.7	27	<0.1	<0.1	<0.1	67	0.52
1596710	Rock	0.94	<0.005	0.5	24.5	6.0	53	<0.1	11.5	12.8	502	2.65	2.2	1.0	4.9	27	0.1	<0.1	<0.1	60	0.52
1596711	Rock	0.75	<0.005	0.4	37.1	18.5	66	<0.1	13.8	7.9	538	1.90	1.6	2.6	7.4	45	<0.1	<0.1	0.1	35	0.39
1596712	Rock	0.91	<0.005	0.6	41.2	28.5	58	<0.1	24.5	9.5	433	2.16	46.3	2.2	5.7	21	0.1	0.2	0.1	32	0.17
1596713	Rock	0.65	<0.005	0.5	35.7	16.5	52	<0.1	18.4	8.2	292	1.86	41.7	1.5	6.6	24	0.1	0.6	0.1	36	0.11
1596714	Rock	0.82	<0.005	0.4	12.7	9.6	38	<0.1	11.0	2.6	380	1.85	66.4	2.3	5.7	24	0.1	0.6	<0.1	18	0.06
1596715	Rock	0.83	0.021	1.0	35.6	12.5	48	<0.1	21.5	11.0	887	2.87	20.3	1.8	7.8	15	<0.1	0.2	<0.1	28	0.09
1596716	Rock	0.89	<0.005	1.4	61.9	8.6	54	<0.1	32.0	15.3	258	3.14	244.7	0.7	11.1	11	0.1	2.3	0.1	16	0.06
1596717	Rock	0.92	<0.005	0.9	41.3	17.1	57	<0.1	21.0	15.7	764	2.79	9.4	1.5	10.7	16	<0.1	0.2	<0.1	30	0.12
1596718	Rock	0.65	<0.005	0.9	29.7	6.8	48	<0.1	24.5	9.8	439	2.86	46.3	1.0	10.4	21	<0.1	0.5	<0.1	49	0.20
1596719	Rock	0.80	<0.005	0.6	23.4	6.9	73	<0.1	26.4	15.9	546	3.67	10.5	<0.5	11.4	29	<0.1	<0.1	<0.1	61	0.16
1596720	Rock	0.85	<0.005	1.5	28.9	13.9	52	<0.1	19.2	6.9	333	2.54	106.6	1.1	9.9	30	<0.1	0.8	0.2	38	0.15
1596721	Rock	0.87	<0.005	2.0	41.7	8.2	38	<0.1	13.3	5.9	215	3.04	8.0	1.2	10.4	17	<0.1	<0.1	<0.1	24	0.09
1596722	Rock	0.79	<0.005	0.4	24.5	62.7	90	0.2	27.1	12.5	437	3.40	2.4	2.2	11.7	25	<0.1	<0.1	3.0	58	0.26
1596723	Rock	0.84	<0.005	0.5	20.8	13.6	58	<0.1	27.1	12.6	404	3.29	2.7	2.0	15.0	17	<0.1	<0.1	<0.1	52	0.12
1596724	Rock	0.81	<0.005	0.5	27.8	16.1	59	<0.1	25.0	11.2	468	2.62	9.3	1.0	8.8	28	<0.1	<0.1	<0.1	38	0.27
1596725	Rock	1.00	<0.005	0.4	20.5	14.3	50	<0.1	12.9	6.8	327	1.78	2.9	1.2	8.2	35	<0.1	<0.1	<0.1	33	0.32
1596726	Rock	1.47	<0.005	<0.1	1.6	0.4	18	<0.1	0.4	0.2	85	0.09	<0.5	0.8	0.2	68	<0.1	<0.1	<0.1	<1	32.67
1596727	Rock	0.78	<0.005	0.5	23.0	15.5	72	<0.1	14.4	9.1	499	1.98	2.7	1.0	8.5	29	<0.1	<0.1	<0.1	36	0.38



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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1596698	Rock	0.052	24	32	0.46	180	0.121	<20	0.91	0.027	0.22	0.1	<0.01	4.5	0.2	<0.05	4	<0.5	<0.2	
1596699	Rock	0.031	16	40	0.48	174	0.089	<20	0.94	0.038	0.23	<0.1	<0.01	5.6	0.2	<0.05	4	<0.5	<0.2	
1596700	Rock	0.018	21	31	0.33	163	0.077	<20	0.77	0.027	0.27	<0.1	0.01	4.3	0.2	<0.05	4	<0.5	<0.2	
1596701	Rock	0.023	12	23	0.58	154	0.141	<20	0.82	0.050	0.26	<0.1	<0.01	4.0	0.2	<0.05	4	<0.5	<0.2	
1596702	Rock	0.033	43	42	0.57	495	0.008	<20	1.09	0.022	0.14	<0.1	0.07	9.4	<0.1	<0.05	6	<0.5	<0.2	
1596703	Rock	0.011	10	10	0.09	97	0.006	<20	0.43	0.010	0.10	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5	<0.2	
1596704	Rock	0.010	14	16	0.31	110	0.056	<20	0.69	0.005	0.32	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2	
1596705	Rock	0.008	14	22	0.40	135	0.080	<20	0.86	0.018	0.41	<0.1	<0.01	1.8	0.2	<0.05	3	<0.5	<0.2	
1596706	Rock	0.019	7	26	0.37	44	0.100	<20	0.72	0.028	0.17	<0.1	<0.01	2.3	0.1	<0.05	3	<0.5	<0.2	
1596707	Rock	0.015	9	19	0.33	55	0.106	<20	0.73	0.032	0.25	<0.1	<0.01	2.2	0.1	<0.05	3	<0.5	<0.2	
1596708	Rock	0.044	8	32	0.31	103	0.117	<20	0.61	0.036	0.09	0.3	<0.01	4.2	<0.1	<0.05	3	<0.5	<0.2	
1596709	Rock	0.061	11	44	1.17	200	0.226	<20	1.82	0.050	0.84	0.1	<0.01	3.8	0.3	<0.05	6	<0.5	<0.2	
1596710	Rock	0.052	15	37	0.82	146	0.185	<20	1.35	0.060	0.50	<0.1	<0.01	5.1	0.2	<0.05	5	<0.5	<0.2	
1596711	Rock	0.034	33	25	0.63	204	0.105	<20	0.84	0.023	0.16	<0.1	<0.01	3.6	0.1	<0.05	4	<0.5	<0.2	
1596712	Rock	0.022	13	22	0.22	323	0.009	<20	0.95	0.004	0.23	<0.1	0.15	5.1	0.2	<0.05	3	<0.5	<0.2	
1596713	Rock	0.031	17	23	0.25	196	0.037	<20	0.68	0.015	0.20	<0.1	<0.01	4.3	0.2	<0.05	3	<0.5	<0.2	
1596714	Rock	0.015	16	4	0.05	220	0.003	<20	0.41	0.040	0.09	<0.1	0.02	2.0	<0.1	<0.05	1	<0.5	<0.2	
1596715	Rock	0.024	19	19	0.18	322	0.024	<20	0.62	0.017	0.20	<0.1	<0.01	6.9	0.1	<0.05	2	<0.5	<0.2	
1596716	Rock	0.008	21	19	0.33	169	0.049	<20	0.77	0.005	0.44	<0.1	0.01	1.6	0.6	<0.05	2	<0.5	<0.2	
1596717	Rock	0.020	31	33	0.36	281	0.045	<20	1.04	0.006	0.40	<0.1	<0.01	6.0	0.3	<0.05	4	<0.5	<0.2	
1596718	Rock	0.042	31	47	0.74	270	0.155	<20	1.58	0.036	0.82	<0.1	<0.01	5.7	0.4	<0.05	6	<0.5	<0.2	
1596719	Rock	0.038	32	43	1.01	372	0.249	<20	2.16	0.033	1.31	<0.1	<0.01	7.3	0.4	<0.05	7	<0.5	<0.2	
1596720	Rock	0.023	25	51	0.67	249	0.125	<20	1.12	0.021	0.60	<0.1	<0.01	4.1	0.4	0.07	4	0.7	<0.2	
1596721	Rock	0.017	24	28	0.39	162	0.077	<20	0.77	0.021	0.40	<0.1	<0.01	3.0	0.2	0.09	3	0.6	<0.2	
1596722	Rock	0.042	26	59	0.96	437	0.270	<20	2.07	0.040	1.24	<0.1	<0.01	5.6	0.5	<0.05	7	<0.5	<0.2	
1596723	Rock	0.021	34	51	1.01	385	0.245	<20	1.85	0.030	1.20	<0.1	<0.01	5.7	0.4	<0.05	8	<0.5	<0.2	
1596724	Rock	0.031	24	34	0.58	591	0.117	<20	1.17	0.023	0.40	<0.1	0.02	4.6	0.2	<0.05	4	<0.5	<0.2	
1596725	Rock	0.043	18	27	0.46	194	0.116	<20	0.88	0.029	0.26	0.1	<0.01	2.5	0.3	<0.05	4	<0.5	<0.2	
1596726	Rock	0.006	1	<1	0.48	13	0.002	<20	0.03	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1596727	Rock	0.026	14	40	0.59	160	0.156	<20	1.10	0.028	0.45	<0.1	<0.01	3.0	0.3	<0.05	4	<0.5	<0.2	



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Project: GCP

Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

WHI18000645.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1596728	Rock	0.90	<0.005	0.3	27.9	10.4	50	<0.1	22.9	13.9	325	2.28	1.1	1.4	7.2	67	<0.1	<0.1	<0.1	44	0.38
1596729	Rock	0.58	<0.005	0.4	33.1	12.7	69	<0.1	14.4	8.9	322	2.06	2.3	1.1	10.1	35	<0.1	<0.1	<0.1	37	0.28
1596730	Rock	0.77	<0.005	0.5	30.0	15.9	29	<0.1	13.6	7.9	326	1.91	16.6	<0.5	10.8	26	<0.1	0.2	0.1	22	0.21
1596731	Rock	0.67	<0.005	0.4	21.3	7.6	26	<0.1	12.4	7.5	292	1.90	16.6	1.0	7.1	17	<0.1	0.2	<0.1	26	0.14
1596732	Rock	0.53	<0.005	0.7	8.2	2.9	15	<0.1	6.1	3.6	324	1.32	1.3	0.8	4.6	12	<0.1	<0.1	<0.1	17	0.15
1596733	Rock	0.86	<0.005	0.6	17.9	6.5	28	<0.1	6.0	3.8	265	1.69	1.1	0.8	8.5	62	<0.1	<0.1	<0.1	35	0.27
1596734	Rock	0.68	<0.005	0.6	28.0	8.6	44	<0.1	19.5	11.2	383	2.52	6.3	0.6	6.6	29	<0.1	<0.1	<0.1	43	0.26
1596735	Rock	0.87	<0.005	0.3	60.4	3.3	52	<0.1	27.9	18.5	484	2.89	1.8	<0.5	3.7	20	<0.1	<0.1	<0.1	69	0.60
1596736	Rock	0.85	<0.005	0.5	47.6	13.6	64	<0.1	13.5	12.8	515	2.87	1.6	0.7	5.0	22	<0.1	<0.1	0.1	66	0.51
1596737	Rock	0.81	<0.005	0.6	49.4	9.7	67	<0.1	19.1	10.4	428	3.18	14.8	1.2	14.1	16	<0.1	<0.1	0.3	32	0.13
1596738	Rock	0.78	<0.005	0.4	34.6	15.5	91	<0.1	59.2	20.5	678	3.76	8.9	<0.5	9.9	25	0.1	<0.1	0.2	59	0.74
1596739	Rock	0.73	<0.005	0.4	22.3	16.9	149	<0.1	17.3	10.5	439	3.20	5.0	<0.5	14.5	15	0.2	<0.1	<0.1	46	0.19
1596740	Rock	0.50	<0.005	0.4	33.6	21.9	33	<0.1	2.9	5.8	179	2.17	2.2	0.8	8.2	14	<0.1	<0.1	0.2	16	0.05
1596741	Rock	0.74	<0.005	0.6	67.0	36.8	256	<0.1	37.2	20.9	1615	4.36	49.0	1.8	10.0	15	0.6	0.5	0.2	49	0.27
1596742	Rock	0.62	<0.005	0.5	22.8	52.7	59	<0.1	20.1	11.3	926	2.29	2.1	<0.5	12.4	94	0.1	0.1	0.4	51	0.45
1596743	Rock	0.86	<0.005	0.4	25.4	4.4	52	<0.1	22.2	10.7	273	2.84	1.9	<0.5	13.0	8	<0.1	<0.1	<0.1	28	0.09
1596744	Rock	0.87	<0.005	0.3	24.6	52.4	47	<0.1	21.2	10.5	319	2.68	1.1	0.6	13.4	15	<0.1	<0.1	0.6	39	0.10
1596745	Rock	0.74	<0.005	0.6	16.6	13.5	56	<0.1	24.8	10.7	333	2.71	1.7	<0.5	10.7	15	<0.1	<0.1	<0.1	44	0.13
1596746	Rock	0.87	<0.005	0.3	18.9	14.4	52	<0.1	17.7	9.1	389	2.37	0.8	<0.5	12.1	20	<0.1	<0.1	<0.1	39	0.24
1596747	Rock	0.82	<0.005	0.4	19.7	8.2	61	<0.1	24.1	11.9	460	2.99	0.9	0.7	13.8	22	<0.1	<0.1	<0.1	54	0.22
1596748	Rock	0.89	<0.005	0.5	25.1	19.1	78	<0.1	28.3	12.0	474	3.12	2.6	<0.5	13.2	23	<0.1	<0.1	0.1	44	0.21
1596749	Rock	0.70	<0.005	0.3	14.7	41.1	70	<0.1	25.7	13.2	533	2.98	0.7	0.9	9.4	39	<0.1	<0.1	0.3	56	0.42
1599501	Rock	0.90	0.007	0.5	25.8	5.9	85	<0.1	9.9	12.4	877	3.96	2.6	<0.5	4.6	25	<0.1	0.1	0.1	70	0.35
1599502	Rock	0.76	<0.005	0.8	57.1	12.6	116	<0.1	21.9	16.6	595	4.05	1.6	<0.5	5.6	24	<0.1	<0.1	0.1	81	0.35
1599503	Rock	0.81	<0.005	1.4	36.4	7.7	69	<0.1	16.7	16.0	613	3.47	1.0	<0.5	4.2	22	<0.1	<0.1	<0.1	76	0.48
1599504	Rock	0.63	<0.005	0.9	38.2	11.8	78	<0.1	14.0	13.1	550	3.66	1.3	<0.5	4.0	28	<0.1	<0.1	<0.1	63	0.62
1599505	Rock	1.17	<0.005	0.8	22.2	8.9	61	<0.1	12.2	10.8	595	2.89	1.3	<0.5	6.0	27	<0.1	<0.1	0.1	45	0.44
1599506	Rock	0.76	<0.005	0.7	25.5	29.9	80	<0.1	21.8	17.7	626	3.30	0.8	<0.5	6.1	42	<0.1	<0.1	0.5	73	0.34
1599507	Rock	1.04	<0.005	0.8	48.5	13.4	99	<0.1	11.4	16.0	1109	4.02	1.0	<0.5	4.5	26	0.1	<0.1	0.1	73	0.47
1599508	Rock	0.77	<0.005	0.7	45.1	12.4	90	<0.1	11.5	14.4	626	3.67	0.7	<0.5	4.3	17	0.1	<0.1	<0.1	72	0.58



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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1596728	Rock	0.030	19	41	0.74	294	0.167	<20	1.12	0.026	0.55	0.2	<0.01	3.3	0.4	<0.05	5	<0.5	<0.2	
1596729	Rock	0.018	26	40	0.49	1477	0.135	<20	0.80	0.039	0.22	0.1	<0.01	5.3	0.2	<0.05	4	<0.5	<0.2	
1596730	Rock	0.035	25	18	0.28	201	0.029	<20	0.72	0.024	0.15	<0.1	<0.01	4.0	0.1	<0.05	3	<0.5	<0.2	
1596731	Rock	0.027	20	20	0.29	184	0.058	<20	0.75	0.020	0.18	<0.1	<0.01	3.3	0.1	<0.05	3	<0.5	<0.2	
1596732	Rock	0.016	9	14	0.31	120	0.057	<20	0.64	0.019	0.21	<0.1	<0.01	1.7	<0.1	<0.05	2	<0.5	<0.2	
1596733	Rock	0.027	17	15	0.25	181	0.082	<20	0.45	0.052	0.15	<0.1	<0.01	3.2	<0.1	<0.05	2	<0.5	<0.2	
1596734	Rock	0.028	17	31	0.56	154	0.108	<20	1.31	0.026	0.28	<0.1	<0.01	4.6	0.2	<0.05	5	<0.5	<0.2	
1596735	Rock	0.052	11	49	1.15	205	0.226	<20	1.59	0.056	0.61	<0.1	<0.01	5.3	0.2	<0.05	5	<0.5	<0.2	
1596736	Rock	0.061	16	29	0.96	235	0.224	<20	1.43	0.055	0.66	<0.1	<0.01	4.2	0.3	<0.05	6	<0.5	<0.2	
1596737	Rock	0.043	30	31	0.46	167	0.126	<20	1.24	0.016	0.61	<0.1	<0.01	4.2	0.3	<0.05	5	<0.5	<0.2	
1596738	Rock	0.231	32	93	1.23	220	0.172	<20	2.02	0.035	0.76	<0.1	<0.01	6.6	0.4	<0.05	9	<0.5	<0.2	
1596739	Rock	0.024	44	30	0.88	593	0.163	<20	1.31	0.036	0.59	<0.1	0.03	9.6	0.2	<0.05	7	<0.5	<0.2	
1596740	Rock	0.012	8	6	0.11	112	0.017	<20	0.59	0.049	0.09	<0.1	0.01	5.0	<0.1	<0.05	2	<0.5	<0.2	
1596741	Rock	0.086	42	19	0.42	334	0.045	<20	1.25	0.009	0.45	<0.1	0.05	8.3	0.3	<0.05	5	<0.5	<0.2	
1596742	Rock	0.043	22	36	0.47	119	0.061	<20	0.93	0.024	0.12	0.2	<0.01	7.2	<0.1	<0.05	4	<0.5	<0.2	
1596743	Rock	0.021	26	30	0.83	169	0.178	<20	1.68	0.014	1.08	<0.1	<0.01	2.8	0.3	<0.05	5	<0.5	<0.2	
1596744	Rock	0.022	31	41	0.66	155	0.140	<20	1.28	0.032	0.72	<0.1	<0.01	4.8	0.2	<0.05	6	<0.5	<0.2	
1596745	Rock	0.018	39	55	0.84	206	0.145	<20	1.87	0.026	0.76	<0.1	<0.01	5.7	0.4	<0.05	6	<0.5	<0.2	
1596746	Rock	0.038	23	37	0.61	145	0.169	<20	1.32	0.037	0.74	<0.1	<0.01	4.3	0.3	<0.05	5	<0.5	<0.2	
1596747	Rock	0.022	25	49	0.90	200	0.241	<20	1.76	0.051	1.09	<0.1	<0.01	5.6	0.4	<0.05	7	<0.5	<0.2	
1596748	Rock	0.032	40	45	0.76	216	0.177	<20	1.67	0.030	0.91	<0.1	0.01	5.4	0.4	<0.05	7	<0.5	<0.2	
1596749	Rock	0.092	23	47	1.05	239	0.233	<20	1.75	0.036	1.04	0.1	<0.01	4.8	0.4	<0.05	6	<0.5	<0.2	
1599501	Rock	0.067	20	13	0.91	204	0.097	<20	1.83	0.040	0.58	<0.1	0.01	10.7	0.2	<0.05	7	<0.5	<0.2	
1599502	Rock	0.064	20	51	1.45	264	0.258	<20	2.32	0.041	1.02	<0.1	<0.01	8.4	0.3	<0.05	8	<0.5	<0.2	
1599503	Rock	0.053	13	42	1.42	211	0.215	<20	2.02	0.053	0.77	<0.1	<0.01	6.8	0.3	<0.05	6	<0.5	<0.2	
1599504	Rock	0.152	18	31	0.98	262	0.230	<20	1.92	0.056	0.90	0.1	<0.01	6.6	0.3	<0.05	7	<0.5	<0.2	
1599505	Rock	0.047	15	27	0.77	159	0.184	<20	1.52	0.055	0.63	0.1	<0.01	4.7	0.3	<0.05	5	<0.5	<0.2	
1599506	Rock	0.057	19	55	1.11	171	0.229	<20	1.59	0.046	0.91	<0.1	<0.01	6.0	0.4	<0.05	7	<0.5	<0.2	
1599507	Rock	0.107	14	27	1.14	259	0.270	<20	2.06	0.066	1.08	<0.1	<0.01	8.9	0.4	0.05	7	<0.5	<0.2	
1599508	Rock	0.115	13	27	1.10	208	0.255	<20	1.83	0.075	0.87	<0.1	<0.01	7.3	0.3	<0.05	7	<0.5	<0.2	



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CERTIFICATE OF ANALYSIS

WHI18000645.1

Method	Analyte	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1
1599509	Rock	0.72	<0.005	1.0	65.8	10.5	87	<0.1	16.0	11.8	431	3.24	2.1	<0.5	4.6	29	0.1	<0.1	0.2	58	0.26
1599510	Rock	1.02	<0.005	1.5	92.0	6.9	65	<0.1	13.5	10.6	311	2.70	1.2	<0.5	3.8	30	<0.1	<0.1	0.2	44	0.20
1599511	Rock	0.77	<0.005	0.9	60.9	67.6	237	0.1	24.9	11.4	508	4.15	0.8	<0.5	12.1	40	0.7	<0.1	0.2	101	0.29
1599512	Rock	0.84	0.005	1.1	111.7	24.8	69	0.4	9.5	4.5	182	4.69	2.3	1.0	9.6	51	<0.1	<0.1	0.5	48	0.09
1599513	Rock	0.83	<0.005	1.5	167.7	22.0	223	<0.1	29.8	10.3	329	5.45	1.2	1.5	9.5	30	0.1	<0.1	0.2	63	0.16
1599514	Rock	0.84	<0.005	1.0	78.3	15.9	111	<0.1	22.6	15.4	457	4.20	0.7	<0.5	16.6	31	<0.1	<0.1	0.3	48	0.17
1599515	Rock	0.85	<0.005	0.8	64.4	13.1	105	<0.1	35.5	20.2	548	3.91	0.6	<0.5	14.6	19	<0.1	<0.1	0.2	53	0.14
1599516	Rock	0.86	<0.005	0.8	48.9	38.1	94	<0.1	34.3	16.6	561	3.30	0.9	<0.5	17.3	17	0.2	<0.1	0.3	52	0.16
1599517	Rock	0.67	<0.005	0.8	36.9	10.1	76	<0.1	24.3	13.6	453	3.22	2.2	<0.5	14.0	17	<0.1	<0.1	0.1	44	0.13
1599518	Rock	0.80	<0.005	0.8	29.1	7.1	81	<0.1	13.3	18.7	809	4.75	0.5	<0.5	4.7	24	<0.1	<0.1	<0.1	93	0.55
1599519	Rock	1.06	<0.005	0.9	30.8	22.4	69	<0.1	17.1	10.8	462	3.01	3.1	<0.5	6.3	21	<0.1	0.1	0.1	46	0.30
1599520	Rock	0.85	<0.005	0.5	27.8	5.8	75	<0.1	18.6	16.8	647	3.61	<0.5	<0.5	3.2	26	<0.1	<0.1	<0.1	88	0.59
1599521	Rock	0.83	<0.005	0.4	8.3	5.2	76	<0.1	30.6	20.3	628	4.54	<0.5	<0.5	3.5	20	<0.1	<0.1	<0.1	131	0.37
1599522	Rock	0.92	<0.005	0.6	17.2	51.2	65	<0.1	10.7	12.2	550	3.70	2.8	<0.5	6.4	20	<0.1	0.1	0.2	80	0.26
1599523	Rock	0.65	<0.005	0.5	31.4	16.6	83	0.4	19.8	15.2	626	3.90	1.2	<0.5	5.5	27	<0.1	<0.1	1.8	98	0.29
1599524	Rock	0.78	<0.005	0.5	21.7	10.6	153	<0.1	27.4	22.9	963	5.91	0.6	1.0	5.9	24	<0.1	<0.1	0.1	173	0.49
1599525	Rock	0.75	<0.005	0.9	42.5	38.4	77	<0.1	25.9	15.2	660	3.50	1.1	<0.5	5.4	24	<0.1	<0.1	0.1	95	0.38
1599526	Rock	1.15	<0.005	<0.1	1.4	0.4	<1	<0.1	0.4	<0.1	91	0.08	0.6	<0.5	<0.1	75	<0.1	<0.1	<0.1	<1	33.50



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CERTIFICATE OF ANALYSIS

WHI18000645.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1599509	Rock	0.037	13	44	1.00	210	0.172	<20	1.95	0.046	0.58	<0.1	<0.01	5.2	0.2	<0.05	6	<0.5	<0.2	
1599510	Rock	0.033	10	50	0.64	139	0.117	<20	1.26	0.033	0.45	<0.1	<0.01	3.5	0.1	0.07	4	<0.5	<0.2	
1599511	Rock	0.048	24	116	1.46	311	0.227	<20	2.44	0.053	1.03	<0.1	<0.01	8.6	0.4	0.15	8	0.6	<0.2	
1599512	Rock	0.070	35	24	0.28	86	0.048	<20	1.04	0.079	0.46	<0.1	<0.01	3.5	0.2	0.45	4	<0.5	<0.2	
1599513	Rock	0.059	38	71	0.91	110	0.098	<20	1.99	0.016	0.82	<0.1	<0.01	6.6	0.5	0.18	6	0.6	<0.2	
1599514	Rock	0.044	48	43	0.78	158	0.202	<20	1.94	0.031	1.04	<0.1	<0.01	5.3	0.5	0.16	6	0.9	<0.2	
1599515	Rock	0.041	43	42	0.70	194	0.193	<20	1.85	0.033	0.95	<0.1	<0.01	6.2	0.4	<0.05	7	<0.5	<0.2	
1599516	Rock	0.036	35	45	0.61	168	0.168	<20	1.49	0.035	0.73	<0.1	<0.01	6.5	0.3	<0.05	7	<0.5	<0.2	
1599517	Rock	0.031	20	40	0.67	151	0.179	<20	1.85	0.032	0.66	<0.1	<0.01	4.3	0.4	<0.05	6	<0.5	<0.2	
1599518	Rock	0.117	13	16	1.42	576	0.376	<20	2.74	0.036	1.57	0.2	<0.01	4.1	0.4	<0.05	7	0.6	<0.2	
1599519	Rock	0.024	21	39	0.82	260	0.172	<20	1.76	0.036	0.54	<0.1	<0.01	7.5	0.3	<0.05	6	0.7	<0.2	
1599520	Rock	0.059	9	58	1.92	406	0.316	<20	2.61	0.076	1.23	<0.1	<0.01	5.8	0.3	<0.05	7	<0.5	<0.2	
1599521	Rock	0.035	18	82	3.22	677	0.341	<20	3.55	0.046	2.13	<0.1	<0.01	13.0	0.5	<0.05	11	<0.5	<0.2	
1599522	Rock	0.038	18	20	1.46	551	0.260	<20	2.44	0.044	0.86	<0.1	<0.01	9.4	0.3	<0.05	9	<0.5	<0.2	
1599523	Rock	0.034	21	45	2.05	632	0.309	<20	2.86	0.047	1.46	0.1	<0.01	9.0	0.4	<0.05	9	<0.5	<0.2	
1599524	Rock	0.130	21	49	3.45	836	0.467	<20	4.21	0.031	2.91	0.1	<0.01	14.9	0.8	<0.05	15	<0.5	<0.2	
1599525	Rock	0.062	18	56	1.43	390	0.243	<20	2.16	0.045	1.02	<0.1	<0.01	7.9	0.4	<0.05	8	0.8	<0.2	
1599526	Rock	0.008	1	<1	0.50	13	0.001	<20	0.02	0.001	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	



QUALITY CONTROL REPORT

WHI18000645.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1596651	Rock	0.77	<0.005	1.8	41.9	13.6	86	<0.1	43.3	13.5	582	4.12	<0.5	<0.5	9.3	28	<0.1	<0.1	0.1	149	0.33
REP 1596651	QC	<0.005																			
1596662	Rock	0.81	0.006	0.9	30.4	34.8	71	<0.1	23.9	13.9	635	3.63	<0.5	<0.5	15.0	32	<0.1	<0.1	0.1	66	0.17
REP 1596662	QC	0.8 31.8 35.6 72 <0.1 23.5 13.9 656 3.72 <0.5 <0.5 15.2 34 <0.1 <0.1 0.2 67 0.18																			
1596685	Rock	0.85	0.009	0.7	25.9	9.1	41	<0.1	36.1	11.3	1118	3.23	4.1	5.6	11.2	12	<0.1	0.2	<0.1	46	0.09
REP 1596685	QC	0.009																			
1596696	Rock	0.62	0.007	0.6	56.7	54.4	42	<0.1	23.7	6.0	849	2.42	4.4	3.6	11.7	87	<0.1	0.2	0.3	47	0.28
REP 1596696	QC	0.4 55.5 56.7 43 <0.1 23.7 6.0 849 2.44 4.6 2.9 12.2 96 <0.1 0.3 0.3 47 0.29																			
1596731	Rock	0.67	<0.005	0.4	21.3	7.6	26	<0.1	12.4	7.5	292	1.90	16.6	1.0	7.1	17	<0.1	0.2	<0.1	26	0.14
REP 1596731	QC	0.5 21.6 7.8 26 <0.1 12.6 7.8 284 1.87 17.0 <0.5 7.2 17 <0.1 0.2 <0.1 26 0.13																			
1599517	Rock	0.67	<0.005	0.8	36.9	10.1	76	<0.1	24.3	13.6	453	3.22	2.2	<0.5	14.0	17	<0.1	<0.1	0.1	44	0.13
REP 1599517	QC	0.7 36.0 10.0 75 <0.1 24.5 13.2 443 3.30 2.3 0.7 13.9 16 <0.1 <0.1 0.1 44 0.13																			
Core Reject Duplicates																					
1596656	Rock	0.72	0.009	0.8	28.3	8.1	63	<0.1	51.9	16.9	677	3.79	1.0	<0.5	11.8	19	<0.1	<0.1	<0.1	68	0.26
DUP 1596656	QC	<0.005																			
1596690	Rock	0.58	0.012	0.6	19.7	7.5	35	<0.1	18.7	7.8	570	2.15	4.0	<0.5	7.2	31	<0.1	0.2	<0.1	41	0.20
DUP 1596690	QC	<0.005																			
1596724	Rock	0.81	<0.005	0.5	27.8	16.1	59	<0.1	25.0	11.2	468	2.62	9.3	1.0	8.8	28	<0.1	<0.1	<0.1	38	0.27
DUP 1596724	QC	<0.005																			
1599509	Rock	0.72	<0.005	1.0	65.8	10.5	87	<0.1	16.0	11.8	431	3.24	2.1	<0.5	4.6	29	0.1	<0.1	0.2	58	0.26
DUP 1599509	QC	0.005 1.1 67.5 10.3 87 <0.1 17.0 12.0 440 3.26 2.0 <0.5 4.6 30 <0.1 <0.1 0.2 60 0.27																			
Reference Materials																					
STD DS11	Standard	13.7 146.1 134.5 335 1.7 77.4 14.0 1009 3.06 44.9 89.1 8.0 68 2.4 6.7 11.8 47 1.03																			
STD DS11	Standard	13.4 153.7 140.8 341 1.7 74.9 12.9 1047 3.07 43.3 71.6 8.1 66 2.6 6.8 12.2 49 1.06																			
STD DS11	Standard	13.6 150.0 136.9 336 1.6 77.1 13.5 976 3.06 42.3 53.8 7.2 68 2.4 7.3 12.3 47 1.00																			
STD DS11	Standard	14.5 150.3 138.7 329 2.2 78.6 14.2 1055 3.13 41.4 55.2 7.7 68 2.4 7.0 12.2 48 1.05																			
STD OREAS45EA	Standard	1.7 694.6 14.8 34 0.3 389.0 53.1 418 23.89 11.7 52.2 11.2 4 <0.1 0.4 0.3 328 0.03																			
STD OREAS45EA	Standard	1.4 654.9 14.3 30 0.2 372.8 50.4 365 19.81 10.9 49.1 10.2 4 <0.1 0.3 0.3 284 0.03																			



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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1596651	Rock	0.075	26	102	1.30	477	0.297	<20	2.64	0.053	1.42	<0.1	<0.01	9.4	0.7	<0.05	10	<0.5	<0.2
REP 1596651	QC																		
1596662	Rock	0.042	33	59	0.94	329	0.279	<20	2.01	0.067	1.28	<0.1	<0.01	7.8	0.5	<0.05	8	<0.5	<0.2
REP 1596662	QC	0.043	33	61	0.97	331	0.279	<20	1.98	0.070	1.32	<0.1	<0.01	7.8	0.5	<0.05	9	<0.5	<0.2
1596685	Rock	0.019	26	31	0.64	465	0.113	<20	1.34	0.020	0.75	<0.1	0.02	6.4	0.2	<0.05	5	<0.5	<0.2
REP 1596685	QC																		
1596696	Rock	0.081	33	22	0.17	222	0.084	<20	1.12	0.008	0.11	<0.1	0.07	8.8	0.1	<0.05	4	<0.5	<0.2
REP 1596696	QC	0.079	33	22	0.18	225	0.091	<20	1.20	0.008	0.11	<0.1	0.07	9.4	0.1	<0.05	4	<0.5	<0.2
1596731	Rock	0.027	20	20	0.29	184	0.058	<20	0.75	0.020	0.18	<0.1	<0.01	3.3	0.1	<0.05	3	<0.5	<0.2
REP 1596731	QC	0.028	20	22	0.29	192	0.057	<20	0.75	0.019	0.18	<0.1	<0.01	3.3	0.1	<0.05	3	<0.5	<0.2
1599517	Rock	0.031	20	40	0.67	151	0.179	<20	1.85	0.032	0.66	<0.1	<0.01	4.3	0.4	<0.05	6	<0.5	<0.2
REP 1599517	QC	0.031	19	40	0.68	144	0.179	<20	1.86	0.031	0.66	<0.1	<0.01	4.4	0.4	<0.05	6	<0.5	<0.2
Core Reject Duplicates																			
1596656	Rock	0.071	29	75	1.16	369	0.247	<20	2.74	0.037	1.47	<0.1	<0.01	7.9	0.5	<0.05	10	<0.5	<0.2
DUP 1596656	QC	0.069	29	76	1.20	369	0.251	<20	2.71	0.034	1.49	<0.1	<0.01	7.8	0.5	<0.05	10	<0.5	<0.2
1596690	Rock	0.036	17	30	0.41	332	0.084	<20	1.01	0.028	0.11	<0.1	<0.01	3.3	0.1	<0.05	4	<0.5	<0.2
DUP 1596690	QC	0.036	16	31	0.40	311	0.082	<20	1.00	0.029	0.11	<0.1	0.02	3.2	0.1	<0.05	3	<0.5	<0.2
1596724	Rock	0.031	24	34	0.58	591	0.117	<20	1.17	0.023	0.40	<0.1	0.02	4.6	0.2	<0.05	4	<0.5	<0.2
DUP 1596724	QC	0.030	24	34	0.56	576	0.118	<20	1.15	0.025	0.39	<0.1	<0.01	4.6	0.3	<0.05	4	<0.5	<0.2
1599509	Rock	0.037	13	44	1.00	210	0.172	<20	1.95	0.046	0.58	<0.1	<0.01	5.2	0.2	<0.05	6	<0.5	<0.2
DUP 1599509	QC	0.038	14	43	1.04	218	0.170	<20	2.01	0.045	0.58	<0.1	<0.01	5.1	0.2	<0.05	6	0.6	<0.2
Reference Materials																			
STD DS11	Standard	0.069	18	55	0.81	417	0.089	<20	1.05	0.070	0.38	3.1	0.27	3.2	4.8	0.27	5	1.7	4.4
STD DS11	Standard	0.077	19	59	0.82	411	0.093	<20	1.14	0.069	0.40	2.4	0.25	3.1	5.2	0.27	5	2.9	4.9
STD DS11	Standard	0.077	17	59	0.82	410	0.090	<20	1.07	0.069	0.39	2.8	0.28	3.0	5.0	0.27	5	2.5	4.8
STD DS11	Standard	0.076	19	55	0.83	442	0.094	<20	1.15	0.072	0.40	2.7	0.24	3.1	4.7	0.27	5	2.1	4.7
STD OREAS45EA	Standard	0.033	7	851	0.10	154	0.104	<20	3.32	0.019	0.05	<0.1	0.02	84.1	<0.1	<0.05	13	0.8	<0.2
STD OREAS45EA	Standard	0.031	7	800	0.11	135	0.095	<20	3.04	0.015	0.05	<0.1	0.01	79.2	<0.1	<0.05	11	1.3	<0.2



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QUALITY CONTROL REPORT

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		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS45EA	Standard			1.6	697.8	14.9	33	0.3	386.9	52.3	398	21.98	11.4	53.3	11.2	4	<0.1	0.4	0.3	325	0.03
STD OREAS45EA	Standard			1.6	671.8	13.9	30	0.2	383.8	48.6	388	19.93	11.2	45.0	10.0	3	<0.1	0.3	0.3	289	0.03
STD OXC145	Standard		0.204																		
STD OXC145	Standard		0.213																		
STD OXC145	Standard		0.214																		
STD OXH139	Standard		1.314																		
STD OXH139	Standard		1.342																		
STD OXH139	Standard		1.314																		
STD OXN134	Standard		7.623																		
STD OXN134	Standard		8.035																		
STD OXN134	Standard		7.870																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OXN134 Expected			7.667																		
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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																		
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.1	3.6	1.0	35	<0.1	1.2	3.6	533	1.82	1.3	<0.5	2.0	28	<0.1	<0.1	<0.1	21	0.78
ROCK-WHI	Prep Blank		<0.005	1.5	3.7	1.1	35	<0.1	1.2	3.6	540	1.81	0.9	<0.5	2.0	28	<0.1	<0.1	<0.1	21	0.73



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QUALITY CONTROL REPORT

WHI18000645.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OREAS45EA	Standard	0.034	7	862	0.11	147	0.099	<20	3.03	0.019	0.05	<0.1	<0.01	78.7	<0.1	<0.05	12	1.5	<0.2	
STD OREAS45EA	Standard	0.030	7	791	0.10	135	0.096	<20	3.15	0.015	0.05	<0.1	0.01	75.3	<0.1	<0.05	11	0.7	<0.2	
STD OXC145	Standard																			
STD OXC145	Standard																			
STD OXC145	Standard																			
STD OXH139	Standard																			
STD OXH139	Standard																			
STD OXH139	Standard																			
STD OXN134	Standard																			
STD OXN134	Standard																			
STD OXN134	Standard																			
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053			78	0.072	0.036	12.4	0.78	0.1	
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56	
STD OXN134 Expected																				
STD OXC145 Expected																				
STD OXH139 Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	0.038	6	5	0.50	60	0.079	<20	0.95	0.086	0.09	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.040	5	4	0.51	59	0.078	<20	0.97	0.081	0.09	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2	



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 14, 2018
Report Date: September 29, 2018
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI18000646.1

CLIENT JOB INFORMATION

Project: GCP
Shipment ID: GCP-20180810-001-PROBE
P.O. Number
Number of Samples: 101

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	101	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	101	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	101	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	101	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	101	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: GCP

Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

WHI18000646.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1599527	Rock	0.81	<0.005	1.1	40.2	22.8	56	<0.1	24.4	11.8	451	2.71	2.4	<0.5	4.8	19	<0.1	<0.1	0.2	72	0.22
1599528	Rock	0.85	<0.005	0.8	70.2	6.6	99	<0.1	24.7	16.0	917	4.44	0.5	<0.5	5.4	13	<0.1	<0.1	<0.1	134	0.22
1599529	Rock	0.79	<0.005	0.4	68.6	77.0	92	<0.1	44.2	15.7	658	3.99	<0.5	<0.5	5.4	16	<0.1	<0.1	0.4	118	0.31
1599530	Rock	0.81	<0.005	0.5	35.3	2.2	57	<0.1	21.0	13.5	550	3.26	<0.5	<0.5	5.4	14	<0.1	<0.1	<0.1	80	0.33
1599531	Rock	0.81	<0.005	0.6	40.4	4.7	57	<0.1	18.1	14.8	531	3.11	<0.5	<0.5	4.6	25	<0.1	<0.1	<0.1	82	0.47
1599532	Rock	0.84	<0.005	0.6	33.0	12.4	55	<0.1	14.0	15.6	545	3.45	<0.5	<0.5	4.3	24	<0.1	<0.1	0.2	83	0.42
1599533	Rock	0.83	<0.005	0.6	30.2	4.4	58	<0.1	6.7	14.4	620	3.66	0.6	<0.5	5.5	23	<0.1	<0.1	<0.1	77	0.56
1599534	Rock	0.71	<0.005	0.6	27.4	4.9	63	<0.1	10.6	12.4	630	3.17	1.0	<0.5	5.7	18	<0.1	<0.1	<0.1	76	0.27
1599535	Rock	0.63	<0.005	0.6	15.0	4.6	79	<0.1	8.8	11.3	839	3.35	1.0	<0.5	6.3	16	<0.1	<0.1	<0.1	66	0.24
1599536	Rock	0.67	<0.005	0.7	26.1	7.4	68	<0.1	18.6	17.9	721	4.03	3.6	1.3	4.2	20	<0.1	0.1	<0.1	101	0.28
1599537	Rock	0.76	<0.005	0.8	19.3	13.7	63	<0.1	9.5	9.1	676	3.18	2.6	<0.5	7.0	28	<0.1	0.2	0.1	44	0.20
1599538	Rock	0.80	<0.005	0.6	25.3	10.5	59	<0.1	6.4	10.1	683	3.07	1.3	<0.5	7.0	13	<0.1	<0.1	0.1	57	0.21
1599539	Rock	0.80	<0.005	0.5	41.1	29.3	72	<0.1	10.4	15.7	894	3.97	1.6	<0.5	6.5	22	<0.1	<0.1	0.1	93	0.36
1599540	Rock	0.90	<0.005	0.4	34.1	23.9	76	<0.1	16.5	16.5	649	3.94	1.1	<0.5	4.1	29	<0.1	<0.1	0.1	102	0.55
1599541	Rock	0.85	<0.005	0.6	37.7	13.2	93	<0.1	16.1	13.6	733	3.68	1.4	<0.5	8.1	21	0.1	<0.1	<0.1	86	0.32
1599542	Rock	0.81	<0.005	0.3	33.9	12.1	73	<0.1	15.4	16.4	678	3.74	0.8	<0.5	3.3	28	<0.1	<0.1	0.4	100	0.47
1599543	Rock	0.98	<0.005	0.5	36.1	10.9	58	<0.1	15.0	12.6	815	3.10	1.2	<0.5	5.5	26	<0.1	<0.1	<0.1	74	0.32
1599544	Rock	0.99	<0.005	0.6	52.8	24.1	110	<0.1	28.0	15.4	813	3.90	4.1	<0.5	8.2	36	0.2	0.1	0.1	84	0.41
1599545	Rock	0.85	<0.005	0.6	41.9	34.9	101	<0.1	19.5	14.1	547	3.44	2.2	<0.5	8.3	20	0.1	<0.1	0.5	65	0.25
1599546	Rock	0.87	<0.005	1.7	57.2	34.9	159	<0.1	28.7	15.2	514	3.39	3.8	<0.5	14.0	15	0.1	0.1	0.3	48	0.19
1599547	Rock	0.87	<0.005	1.1	60.1	69.3	149	0.1	16.5	9.0	260	3.88	6.3	<0.5	9.3	41	0.2	<0.1	0.2	44	0.10
1599548	Rock	0.83	<0.005	0.7	45.9	54.4	144	<0.1	32.7	16.9	552	3.61	6.0	<0.5	13.4	17	0.2	0.2	0.2	51	0.25
1599549	Rock	0.85	<0.005	0.4	41.6	8.5	80	<0.1	16.2	22.9	678	4.91	0.8	0.9	2.8	40	<0.1	<0.1	<0.1	117	0.59
1599550	Rock	0.87	<0.005	0.5	34.6	6.1	71	<0.1	12.9	17.6	733	4.08	2.0	<0.5	4.2	32	<0.1	<0.1	<0.1	109	0.42
1599551	Rock	0.82	<0.005	0.3	21.0	3.3	84	<0.1	8.8	14.5	903	4.34	<0.5	<0.5	6.4	17	<0.1	<0.1	<0.1	112	0.27
1599552	Rock	0.89	<0.005	0.6	43.5	2.6	62	<0.1	17.3	16.8	802	3.70	<0.5	<0.5	5.4	23	<0.1	<0.1	<0.1	99	0.41
1599553	Rock	0.78	0.005	0.3	23.1	2.5	44	<0.1	16.5	14.1	485	2.75	<0.5	<0.5	3.6	24	<0.1	<0.1	<0.1	73	0.67
1599554	Rock	0.91	<0.005	0.3	29.1	2.9	60	<0.1	19.9	17.4	753	3.76	<0.5	<0.5	4.8	32	<0.1	<0.1	<0.1	96	0.49
1599555	Rock	0.86	<0.005	0.3	31.1	7.7	48	<0.1	5.0	13.4	600	3.25	0.8	<0.5	7.1	28	0.1	<0.1	<0.1	87	0.80
1599556	Rock	0.90	<0.005	0.5	38.5	21.9	76	<0.1	6.2	18.4	753	4.12	<0.5	<0.5	2.9	20	0.1	<0.1	0.3	107	1.04



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Project: GCP
Report Date: September 29, 2018

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CERTIFICATE OF ANALYSIS

WHI18000646.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1599527	Rock	0.042	14	49	0.79	289	0.155	<20	1.60	0.027	0.52	<0.1	<0.01	5.7	0.2	<0.05	6	<0.5	<0.2
1599528	Rock	0.053	14	44	2.04	1127	0.342	<20	2.73	0.041	1.85	<0.1	<0.01	15.0	0.4	<0.05	11	<0.5	<0.2
1599529	Rock	0.058	14	55	1.72	921	0.311	<20	2.14	0.036	1.42	<0.1	<0.01	11.4	0.4	<0.05	10	0.5	<0.2
1599530	Rock	0.047	13	86	1.55	542	0.271	<20	1.89	0.052	1.17	<0.1	<0.01	8.6	0.2	<0.05	7	<0.5	<0.2
1599531	Rock	0.052	15	66	1.50	425	0.255	<20	1.96	0.061	1.05	<0.1	<0.01	7.2	0.3	<0.05	7	<0.5	<0.2
1599532	Rock	0.057	14	41	1.65	431	0.273	<20	2.11	0.051	1.29	<0.1	<0.01	6.2	0.4	<0.05	7	<0.5	<0.2
1599533	Rock	0.058	12	22	1.24	258	0.263	<20	1.88	0.073	0.95	<0.1	<0.01	5.9	0.4	<0.05	6	<0.5	<0.2
1599534	Rock	0.036	13	33	1.36	302	0.247	<20	1.94	0.046	1.10	<0.1	<0.01	5.8	0.4	<0.05	7	<0.5	<0.2
1599535	Rock	0.051	12	29	1.32	315	0.252	<20	1.97	0.045	1.04	0.1	<0.01	7.3	0.4	<0.05	8	<0.5	<0.2
1599536	Rock	0.043	10	50	1.77	331	0.285	<20	2.72	0.032	1.10	0.1	<0.01	5.3	0.4	<0.05	8	<0.5	<0.2
1599537	Rock	0.037	19	20	0.63	1147	0.126	<20	1.39	0.052	0.46	0.2	<0.01	7.5	0.2	<0.05	5	<0.5	<0.2
1599538	Rock	0.045	15	13	1.02	482	0.169	<20	1.72	0.031	0.93	0.1	<0.01	9.5	0.2	<0.05	7	<0.5	<0.2
1599539	Rock	0.067	17	29	1.81	445	0.287	<20	2.51	0.034	1.41	0.1	<0.01	9.3	0.3	<0.05	9	<0.5	<0.2
1599540	Rock	0.096	15	40	1.92	286	0.268	<20	2.44	0.045	1.12	<0.1	<0.01	9.5	0.3	<0.05	9	<0.5	<0.2
1599541	Rock	0.046	17	28	1.35	361	0.272	<20	2.19	0.043	1.17	<0.1	<0.01	10.4	0.3	<0.05	9	<0.5	<0.2
1599542	Rock	0.055	12	36	1.71	305	0.284	<20	2.42	0.049	1.26	<0.1	<0.01	7.2	0.3	<0.05	8	<0.5	<0.2
1599543	Rock	0.036	17	45	1.39	250	0.164	<20	1.85	0.031	0.72	<0.1	0.01	8.4	0.2	<0.05	8	<0.5	<0.2
1599544	Rock	0.048	21	39	1.25	299	0.158	<20	2.32	0.027	0.78	<0.1	<0.01	10.0	0.3	<0.05	9	<0.5	<0.2
1599545	Rock	0.044	16	40	1.04	185	0.187	<20	2.19	0.029	0.85	<0.1	<0.01	5.8	0.3	<0.05	7	<0.5	<0.2
1599546	Rock	0.049	32	35	0.65	149	0.138	<20	1.56	0.022	0.71	0.1	<0.01	5.0	0.3	<0.05	6	<0.5	<0.2
1599547	Rock	0.046	28	25	0.47	97	0.100	<20	1.47	0.012	0.67	<0.1	<0.01	3.8	0.3	0.10	4	<0.5	<0.2
1599548	Rock	0.046	29	43	0.76	102	0.146	<20	1.84	0.019	0.78	<0.1	<0.01	5.9	0.3	<0.05	6	<0.5	<0.2
1599549	Rock	0.081	17	15	1.73	170	0.377	<20	3.30	0.019	1.74	<0.1	<0.01	4.5	0.4	<0.05	6	<0.5	<0.2
1599550	Rock	0.047	13	30	1.90	346	0.343	<20	2.58	0.039	1.52	0.1	<0.01	6.0	0.3	<0.05	8	<0.5	<0.2
1599551	Rock	0.050	12	26	2.06	495	0.388	<20	2.98	0.035	2.10	0.2	<0.01	9.4	0.5	<0.05	10	<0.5	<0.2
1599552	Rock	0.045	19	63	2.20	362	0.307	<20	2.71	0.030	1.48	0.1	<0.01	6.0	0.4	<0.05	8	<0.5	<0.2
1599553	Rock	0.073	9	57	1.43	171	0.220	<20	1.73	0.062	0.88	<0.1	<0.01	5.8	0.3	<0.05	5	<0.5	<0.2
1599554	Rock	0.051	14	65	2.27	366	0.308	<20	2.76	0.039	1.58	<0.1	<0.01	5.7	0.4	<0.05	7	<0.5	<0.2
1599555	Rock	0.066	16	11	0.81	615	0.174	<20	1.19	0.134	0.32	<0.1	0.02	10.7	0.1	<0.05	5	<0.5	<0.2
1599556	Rock	0.101	12	12	1.42	565	0.250	<20	1.77	0.154	0.68	0.1	0.01	11.6	0.3	<0.05	7	<0.5	<0.2



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Project: GCP

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CERTIFICATE OF ANALYSIS

WHI18000646.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1599557	Rock	0.89	<0.005	0.3	15.7	6.1	71	<0.1	10.9	12.1	704	3.36	<0.5	<0.5	3.7	34	<0.1	<0.1	<0.1	76	0.39
1599558	Rock	0.75	<0.005	0.3	13.6	18.5	40	<0.1	10.8	9.8	503	2.58	<0.5	<0.5	4.5	35	<0.1	<0.1	0.3	58	0.60
1599559	Rock	0.79	<0.005	0.2	38.3	28.1	32	<0.1	12.5	14.8	454	2.64	0.6	<0.5	3.0	45	<0.1	<0.1	0.4	65	0.90
1599560	Rock	0.74	<0.005	0.4	13.4	2.8	28	<0.1	12.9	10.4	363	2.34	1.6	2.3	3.7	30	<0.1	<0.1	<0.1	59	0.83
1599561	Rock	0.64	<0.005	0.5	32.1	3.5	42	<0.1	9.9	11.9	510	3.21	2.3	1.0	3.5	35	<0.1	<0.1	<0.1	68	0.95
1599562	Rock	0.86	<0.005	0.9	31.9	9.2	116	<0.1	4.0	9.6	804	4.49	<0.5	1.0	8.3	23	<0.1	<0.1	<0.1	72	0.28
1599563	Rock	0.65	<0.005	0.5	14.4	8.5	40	<0.1	11.7	7.6	297	2.52	3.9	<0.5	4.1	21	<0.1	0.2	0.1	49	0.18
1599564	Rock	0.80	<0.005	0.2	7.0	1.9	31	<0.1	2.4	6.3	571	3.04	0.5	0.8	7.0	15	<0.1	<0.1	<0.1	34	0.24
1599565	Rock	0.80	<0.005	0.2	4.9	1.5	48	<0.1	1.7	3.9	266	2.04	<0.5	0.9	3.9	14	<0.1	<0.1	<0.1	23	0.14
1599566	Rock	0.81	<0.005	0.3	51.9	8.9	69	<0.1	10.0	14.3	842	4.10	<0.5	1.6	4.5	21	<0.1	<0.1	0.1	100	0.57
1599567	Rock	0.99	<0.005	0.2	21.7	8.3	140	<0.1	14.3	17.2	884	3.75	<0.5	<0.5	3.8	30	<0.1	<0.1	0.1	100	1.14
1599568	Rock	0.80	<0.005	0.3	33.4	4.5	47	<0.1	2.0	6.2	471	3.41	0.9	0.8	4.4	14	0.1	<0.1	0.1	22	0.58
1599569	Rock	0.81	<0.005	0.2	29.6	24.7	70	<0.1	2.0	9.1	596	3.61	0.5	<0.5	7.5	13	<0.1	<0.1	0.2	56	0.26
1599570	Rock	0.85	<0.005	0.2	39.1	8.1	56	<0.1	7.2	14.9	736	3.95	<0.5	<0.5	3.7	21	<0.1	<0.1	<0.1	97	0.84
1599571	Rock	0.89	<0.005	0.3	101.4	25.1	69	<0.1	5.1	16.9	804	4.94	0.9	<0.5	4.9	32	<0.1	<0.1	0.5	110	0.41
1599572	Rock	0.80	<0.005	0.1	28.9	4.5	77	<0.1	6.7	17.5	728	3.96	0.6	<0.5	3.2	23	<0.1	<0.1	<0.1	107	0.99
1599573	Rock	0.85	<0.005	0.3	25.7	4.2	104	<0.1	4.8	12.3	696	3.86	<0.5	1.8	5.3	35	<0.1	<0.1	<0.1	73	0.55
1599574	Rock	0.75	<0.005	0.3	21.0	7.7	61	<0.1	5.8	13.2	541	3.20	0.5	<0.5	5.4	23	<0.1	<0.1	<0.1	73	0.49
1599575	Rock	0.76	<0.005	0.3	27.2	4.0	69	<0.1	6.0	16.2	661	3.78	<0.5	<0.5	5.1	26	<0.1	<0.1	<0.1	90	0.64
1599576	Rock	1.19	<0.005	<0.1	1.1	0.6	1	<0.1	0.1	0.2	126	0.06	<0.5	0.6	<0.1	81	<0.1	<0.1	<0.1	<1	32.01
1599577	Rock	0.80	<0.005	0.7	38.5	7.7	102	<0.1	5.7	13.3	832	4.07	<0.5	<0.5	6.8	47	<0.1	<0.1	<0.1	76	0.51
1599578	Rock	0.91	<0.005	0.5	86.5	26.6	140	<0.1	13.0	10.6	631	4.17	<0.5	0.9	6.6	61	0.2	<0.1	0.1	75	0.25
1599579	Rock	0.82	<0.005	0.6	111.3	10.1	184	0.1	4.6	11.7	990	5.46	<0.5	0.5	4.4	61	0.2	<0.1	<0.1	30	0.12
1599580	Rock	0.83	<0.005	0.9	86.9	21.2	206	<0.1	10.3	17.1	901	4.99	1.1	<0.5	6.8	47	0.2	<0.1	0.2	61	0.14
1599581	Rock	0.84	<0.005	0.8	43.1	14.1	194	<0.1	37.6	17.0	815	3.80	0.6	<0.5	11.8	47	0.3	<0.1	<0.1	69	0.52
1599582	Rock	0.61	<0.005	0.7	41.6	10.1	176	<0.1	31.6	19.5	839	3.83	1.0	<0.5	9.4	25	0.2	<0.1	<0.1	66	0.31
1599583	Rock	0.73	<0.005	1.4	71.0	31.8	240	<0.1	16.0	20.8	557	4.59	3.1	<0.5	6.0	47	0.3	<0.1	0.2	104	0.20
1599601	Rock	0.69	<0.005	0.7	26.9	9.6	66	<0.1	58.0	21.4	541	3.29	<0.5	<0.5	14.3	94	<0.1	<0.1	<0.1	51	0.69
1599602	Rock	0.80	<0.005	0.9	26.7	8.1	76	<0.1	58.8	24.1	746	3.42	0.6	<0.5	13.6	65	0.1	<0.1	<0.1	54	0.54
1599603	Rock	0.72	<0.005	0.6	23.2	8.2	46	<0.1	19.2	9.6	366	2.61	0.8	0.7	8.5	56	<0.1	<0.1	<0.1	45	0.29



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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1599557	Rock	0.050	16	37	0.74	742	0.105	<20	1.12	0.057	0.31	0.1	0.01	12.2	0.1	<0.05	5	<0.5	<0.2	
1599558	Rock	0.043	15	31	0.75	548	0.125	<20	1.12	0.097	0.25	<0.1	<0.01	8.0	<0.1	<0.05	4	<0.5	<0.2	
1599559	Rock	0.070	11	29	0.81	334	0.168	<20	1.27	0.118	0.22	<0.1	<0.01	7.7	<0.1	<0.05	5	<0.5	<0.2	
1599560	Rock	0.043	10	40	0.76	205	0.171	<20	1.30	0.108	0.17	<0.1	<0.01	6.1	<0.1	<0.05	4	<0.5	<0.2	
1599561	Rock	0.074	8	26	0.90	280	0.210	<20	1.81	0.126	0.34	<0.1	<0.01	8.9	0.1	<0.05	6	<0.5	<0.2	
1599562	Rock	0.069	26	10	1.41	623	0.321	<20	1.96	0.052	1.35	<0.1	<0.01	11.2	0.4	<0.05	9	<0.5	<0.2	
1599563	Rock	0.023	11	23	0.59	283	0.119	<20	1.42	0.052	0.23	<0.1	<0.01	5.2	0.1	<0.05	5	<0.5	<0.2	
1599564	Rock	0.044	20	9	0.79	550	0.188	<20	1.38	0.059	0.67	<0.1	<0.01	7.6	0.1	<0.05	7	<0.5	<0.2	
1599565	Rock	0.006	15	5	0.96	255	0.073	<20	1.01	0.072	0.16	<0.1	<0.01	4.7	<0.1	<0.05	5	<0.5	<0.2	
1599566	Rock	0.045	16	42	1.23	738	0.254	<20	1.67	0.074	0.67	0.1	<0.01	12.7	0.2	<0.05	8	<0.5	<0.2	
1599567	Rock	0.065	15	35	1.43	453	0.233	<20	2.11	0.169	0.46	<0.1	<0.01	11.5	0.1	<0.05	7	<0.5	<0.2	
1599568	Rock	0.062	11	5	0.47	292	0.161	<20	1.09	0.114	0.40	<0.1	<0.01	8.8	0.1	<0.05	5	<0.5	<0.2	
1599569	Rock	0.040	14	5	0.74	314	0.218	<20	1.57	0.058	0.64	<0.1	0.02	10.0	0.2	<0.05	8	<0.5	<0.2	
1599570	Rock	0.050	12	35	1.15	328	0.283	<20	1.69	0.133	0.71	<0.1	<0.01	11.6	0.2	<0.05	8	<0.5	<0.2	
1599571	Rock	0.055	16	10	0.99	942	0.138	<20	1.97	0.022	0.82	<0.1	0.05	19.5	0.3	<0.05	8	<0.5	<0.2	
1599572	Rock	0.062	11	17	1.21	536	0.262	<20	1.73	0.128	0.63	<0.1	<0.01	12.2	0.3	<0.05	7	<0.5	<0.2	
1599573	Rock	0.065	17	11	1.21	535	0.278	<20	1.82	0.067	1.01	<0.1	<0.01	8.7	0.3	<0.05	8	<0.5	<0.2	
1599574	Rock	0.029	14	21	1.28	366	0.232	<20	1.67	0.065	0.89	<0.1	<0.01	8.1	0.3	<0.05	7	<0.5	<0.2	
1599575	Rock	0.058	13	18	1.37	430	0.291	<20	1.92	0.084	1.16	<0.1	<0.01	9.2	0.3	<0.05	8	<0.5	<0.2	
1599576	Rock	0.006	1	<1	0.66	14	0.002	<20	0.02	0.002	0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1599577	Rock	0.050	18	13	0.93	2806	0.242	<20	1.37	0.076	0.81	<0.1	<0.01	13.4	0.3	<0.05	7	<0.5	<0.2	
1599578	Rock	0.034	27	39	1.01	1161	0.225	<20	1.38	0.045	0.83	<0.1	<0.01	12.1	0.4	0.08	7	<0.5	<0.2	
1599579	Rock	0.038	18	9	1.14	1530	0.227	<20	1.92	0.039	1.22	<0.1	<0.01	17.7	0.3	0.25	9	<0.5	<0.2	
1599580	Rock	0.051	19	30	1.27	885	0.247	<20	2.20	0.034	1.29	<0.1	<0.01	15.8	0.4	0.15	10	0.6	<0.2	
1599581	Rock	0.090	24	53	1.20	719	0.297	<20	2.36	0.075	1.23	<0.1	<0.01	6.8	0.5	<0.05	9	<0.5	<0.2	
1599582	Rock	0.056	27	49	1.19	406	0.263	<20	2.08	0.042	1.25	<0.1	<0.01	6.8	0.5	<0.05	8	<0.5	<0.2	
1599583	Rock	0.076	20	51	1.59	530	0.199	<20	2.48	0.041	1.28	<0.1	<0.01	13.7	0.4	0.11	10	<0.5	<0.2	
1599601	Rock	0.035	27	60	0.84	273	0.219	<20	3.07	0.109	0.79	<0.1	<0.01	4.1	0.4	<0.05	9	<0.5	<0.2	
1599602	Rock	0.037	31	56	0.90	414	0.256	<20	3.15	0.117	1.10	<0.1	<0.01	4.1	0.5	<0.05	9	<0.5	<0.2	
1599603	Rock	0.043	28	45	0.58	209	0.191	<20	1.69	0.077	0.72	<0.1	<0.01	4.5	0.3	<0.05	6	<0.5	<0.2	



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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1599604	Rock	0.73	<0.005	0.8	25.4	6.9	36	<0.1	14.5	8.8	476	2.39	1.6	<0.5	9.7	32	<0.1	<0.1	<0.1	36	0.14
1599605	Rock	0.74	<0.005	0.6	25.0	12.0	49	<0.1	15.6	8.9	406	2.72	<0.5	<0.5	13.7	40	<0.1	<0.1	<0.1	48	0.19
1599606	Rock	0.75	<0.005	0.4	21.7	9.4	43	<0.1	24.6	9.3	382	2.58	<0.5	0.7	8.3	34	<0.1	<0.1	<0.1	38	0.34
1599607	Rock	0.76	<0.005	0.6	27.2	16.3	48	<0.1	37.0	12.6	492	3.10	0.8	<0.5	17.3	31	0.1	<0.1	<0.1	49	0.36
1599608	Rock	0.50	<0.005	0.5	16.2	24.6	50	<0.1	26.7	9.6	461	2.55	0.6	<0.5	11.8	36	<0.1	<0.1	0.3	35	0.35
1599609	Rock	0.78	<0.005	0.6	20.5	7.9	50	<0.1	26.4	11.5	419	2.88	<0.5	<0.5	11.1	52	<0.1	<0.1	<0.1	42	0.39
1599610	Rock	0.60	<0.005	0.9	23.9	7.6	49	<0.1	16.2	15.3	674	2.32	2.1	<0.5	9.1	16	<0.1	<0.1	<0.1	34	0.09
1599611	Rock	0.80	<0.005	1.3	38.1	9.4	72	<0.1	21.4	10.1	550	3.55	0.8	<0.5	14.3	52	<0.1	<0.1	<0.1	54	0.15
1599612	Rock	0.80	<0.005	0.9	11.4	5.7	39	<0.1	8.0	5.6	460	2.18	0.7	0.5	5.6	27	<0.1	<0.1	<0.1	29	0.32
1599613	Rock	0.86	<0.005	1.5	40.5	8.4	68	<0.1	16.7	11.4	495	3.22	<0.5	<0.5	13.7	72	<0.1	<0.1	<0.1	88	0.23
1599614	Rock	0.82	<0.005	1.0	29.8	7.7	57	<0.1	17.5	10.1	469	3.17	0.5	<0.5	13.4	42	<0.1	<0.1	<0.1	48	0.15
1599615	Rock	0.81	<0.005	1.2	30.4	7.5	54	<0.1	17.0	11.7	445	3.19	<0.5	<0.5	12.6	34	<0.1	<0.1	<0.1	41	0.14
1599616	Rock	0.56	<0.005	0.8	23.3	7.2	42	<0.1	14.4	8.2	326	2.44	0.9	<0.5	9.7	34	<0.1	<0.1	<0.1	42	0.16
1599617	Rock	0.60	<0.005	0.9	29.5	10.9	73	<0.1	18.9	10.1	508	3.20	0.8	<0.5	11.3	43	<0.1	<0.1	<0.1	55	0.17
1599618	Rock	0.79	<0.005	1.0	28.9	14.4	80	<0.1	29.5	14.3	590	3.32	<0.5	<0.5	13.1	37	<0.1	<0.1	<0.1	57	0.29
1599619	Rock	0.81	<0.005	0.7	28.9	10.2	85	<0.1	24.9	12.2	575	3.46	0.6	<0.5	13.3	26	<0.1	<0.1	<0.1	55	0.21
1599620	Rock	0.85	<0.005	0.8	41.0	10.1	104	<0.1	31.9	17.0	648	3.98	<0.5	<0.5	24.1	45	0.1	<0.1	<0.1	69	0.41
1599621	Rock	0.88	<0.005	0.9	34.9	9.4	75	<0.1	29.0	13.3	577	3.75	<0.5	<0.5	14.7	43	<0.1	<0.1	<0.1	58	0.29
1599622	Rock	0.82	<0.005	0.9	39.6	18.5	62	<0.1	24.5	19.3	679	3.27	1.0	<0.5	11.9	32	0.1	<0.1	0.1	78	0.50
1599623	Rock	0.91	<0.005	1.9	26.6	7.0	61	<0.1	28.1	12.9	568	3.03	0.6	<0.5	12.7	23	<0.1	<0.1	<0.1	54	0.21
1599624	Rock	0.81	<0.005	0.8	26.9	8.9	52	<0.1	16.8	8.8	469	2.96	<0.5	<0.5	14.5	49	<0.1	<0.1	0.1	55	0.13
1599625	Rock	0.93	<0.005	0.6	18.0	3.9	44	<0.1	16.2	8.2	424	3.11	<0.5	<0.5	14.1	29	<0.1	<0.1	<0.1	34	0.11
1599626	Rock	0.90	<0.005	<0.1	0.4	0.3	<1	<0.1	<0.1	0.1	110	0.10	<0.5	<0.5	<0.1	77	<0.1	<0.1	<0.1	<1	31.17
1599627	Rock	0.90	<0.005	1.1	31.4	6.0	64	<0.1	16.6	7.7	450	3.15	<0.5	<0.5	12.7	42	<0.1	<0.1	<0.1	59	0.26
1599628	Rock	0.82	<0.005	0.8	32.9	5.4	58	<0.1	28.9	16.6	590	3.80	<0.5	<0.5	15.5	35	<0.1	<0.1	<0.1	62	0.24
1599629	Rock	0.88	<0.005	0.6	22.9	5.5	59	<0.1	27.2	13.3	585	3.71	0.5	<0.5	14.7	43	<0.1	<0.1	<0.1	57	0.18
1599630	Rock	0.75	<0.005	0.7	18.6	2.8	25	<0.1	8.7	5.2	218	2.11	<0.5	<0.5	9.7	25	<0.1	<0.1	<0.1	23	0.07
1599631	Rock	0.74	<0.005	1.4	84.7	15.4	59	<0.1	33.8	15.8	340	3.13	14.6	<0.5	10.6	93	<0.1	0.4	<0.1	41	0.26
1599632	Rock	0.82	<0.005	1.4	41.3	9.5	60	<0.1	29.5	12.1	484	3.39	28.0	<0.5	10.5	55	0.1	0.2	0.1	64	0.21
1599633	Rock	0.81	<0.005	0.8	23.4	7.2	29	<0.1	15.7	8.1	303	1.99	7.2	<0.5	6.8	51	<0.1	0.2	<0.1	25	0.13



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		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1599604	Rock	0.024	26	36	0.45	140	0.139	<20	1.27	0.037	0.42	<0.1	<0.01	3.3	0.3	<0.05	4	<0.5	<0.2	
1599605	Rock	0.035	28	46	0.65	168	0.213	<20	1.60	0.058	0.83	<0.1	<0.01	5.3	0.4	0.07	7	<0.5	<0.2	
1599606	Rock	0.027	17	42	0.61	177	0.193	<20	2.07	0.115	0.76	<0.1	<0.01	4.6	0.3	<0.05	7	<0.5	<0.2	
1599607	Rock	0.035	34	54	0.63	259	0.180	<20	2.08	0.060	0.58	<0.1	<0.01	5.1	0.2	<0.05	8	<0.5	<0.2	
1599608	Rock	0.048	29	46	0.49	190	0.109	<20	1.52	0.045	0.33	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2	
1599609	Rock	0.029	21	50	0.65	184	0.200	<20	1.90	0.040	0.66	<0.1	<0.01	3.5	0.3	<0.05	6	<0.5	<0.2	
1599610	Rock	0.033	23	32	0.48	118	0.137	<20	1.35	0.025	0.52	<0.1	<0.01	3.2	0.3	<0.05	5	<0.5	<0.2	
1599611	Rock	0.036	47	53	0.84	201	0.246	<20	1.99	0.045	1.05	<0.1	<0.01	6.5	0.5	0.09	8	<0.5	<0.2	
1599612	Rock	0.037	18	23	0.58	113	0.125	<20	1.20	0.055	0.50	<0.1	<0.01	3.7	0.2	0.05	4	<0.5	<0.2	
1599613	Rock	0.057	49	58	0.83	212	0.240	<20	1.90	0.073	1.03	<0.1	<0.01	6.9	0.4	0.09	8	0.5	<0.2	
1599614	Rock	0.032	39	46	0.74	184	0.214	<20	1.81	0.044	0.96	<0.1	<0.01	5.3	0.4	0.07	6	<0.5	<0.2	
1599615	Rock	0.030	32	42	0.69	212	0.210	<20	1.74	0.051	0.94	<0.1	<0.01	4.9	0.4	<0.05	6	0.5	<0.2	
1599616	Rock	0.025	23	40	0.56	171	0.173	<20	1.52	0.047	0.65	<0.1	<0.01	4.4	0.3	<0.05	6	<0.5	<0.2	
1599617	Rock	0.035	30	50	0.81	210	0.231	<20	2.02	0.056	1.01	<0.1	<0.01	5.9	0.5	<0.05	7	<0.5	<0.2	
1599618	Rock	0.044	30	50	0.80	214	0.246	<20	2.09	0.066	1.02	<0.1	<0.01	6.5	0.4	<0.05	8	<0.5	<0.2	
1599619	Rock	0.046	33	52	0.85	276	0.263	<20	2.11	0.062	1.22	<0.1	<0.01	6.1	0.5	<0.05	7	<0.5	<0.2	
1599620	Rock	0.069	42	73	1.06	327	0.296	<20	2.88	0.058	1.36	<0.1	<0.01	7.0	0.6	<0.05	10	<0.5	<0.2	
1599621	Rock	0.043	34	58	0.99	295	0.275	<20	2.54	0.065	1.30	<0.1	<0.01	6.9	0.5	<0.05	9	<0.5	<0.2	
1599622	Rock	0.035	28	43	0.58	176	0.192	<20	1.38	0.037	0.70	<0.1	<0.01	6.5	0.3	<0.05	7	<0.5	<0.2	
1599623	Rock	0.044	23	63	0.82	227	0.234	<20	1.80	0.050	1.04	<0.1	<0.01	7.4	0.5	<0.05	8	<0.5	<0.2	
1599624	Rock	0.031	40	56	0.79	202	0.238	<20	1.65	0.055	1.04	<0.1	<0.01	7.5	0.5	<0.05	8	<0.5	<0.2	
1599625	Rock	0.029	33	39	0.66	247	0.226	<20	1.71	0.041	1.11	<0.1	<0.01	3.9	0.4	0.06	5	<0.5	<0.2	
1599626	Rock	0.007	1	<1	0.91	15	0.002	<20	0.02	0.002	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	
1599627	Rock	0.045	34	49	0.82	332	0.230	<20	1.95	0.072	1.12	<0.1	<0.01	5.8	0.5	0.09	7	0.8	<0.2	
1599628	Rock	0.035	34	66	1.16	290	0.300	<20	2.27	0.074	1.40	<0.1	<0.01	8.0	0.6	<0.05	9	<0.5	<0.2	
1599629	Rock	0.027	42	62	1.00	365	0.272	<20	2.36	0.057	1.28	<0.1	<0.01	7.9	0.5	<0.05	8	<0.5	<0.2	
1599630	Rock	0.014	20	28	0.46	174	0.126	<20	1.05	0.022	0.64	<0.1	<0.01	2.7	0.3	0.07	3	<0.5	<0.2	
1599631	Rock	0.099	29	29	0.31	2146	0.050	<20	1.12	0.032	0.40	<0.1	0.03	6.2	0.2	0.06	4	<0.5	<0.2	
1599632	Rock	0.048	29	67	0.88	2032	0.175	<20	2.09	0.030	0.99	<0.1	0.02	6.8	0.6	0.08	7	<0.5	<0.2	
1599633	Rock	0.019	18	23	0.25	1884	0.061	<20	0.76	0.023	0.22	<0.1	<0.01	3.5	0.1	0.05	3	<0.5	<0.2	



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Project: GCP

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CERTIFICATE OF ANALYSIS

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1599634	Rock	0.44	<0.005	1.2	38.6	11.1	45	<0.1	27.3	13.7	470	2.54	3.6	0.9	9.5	37	<0.1	0.2	<0.1	32	0.13
1599635	Rock	0.84	0.008	2.4	50.4	10.6	82	<0.1	43.9	17.6	822	3.67	3.4	3.9	10.7	27	<0.1	0.2	<0.1	43	0.31
1599636	Rock	0.86	<0.005	1.3	48.7	6.9	71	<0.1	40.2	16.4	855	3.39	1.1	<0.5	7.4	23	<0.1	<0.1	<0.1	87	0.29
1599637	Rock	0.86	<0.005	0.7	38.0	5.5	42	<0.1	16.8	7.9	452	3.40	<0.5	<0.5	11.0	27	<0.1	<0.1	<0.1	31	0.09
1599638	Rock	0.76	<0.005	1.0	29.5	5.5	44	<0.1	21.0	12.9	468	3.00	2.1	<0.5	10.1	34	<0.1	0.1	<0.1	45	0.18
1599639	Rock	0.73	<0.005	0.6	29.7	5.3	60	<0.1	36.1	18.5	468	3.38	1.1	<0.5	11.7	54	0.1	<0.1	<0.1	68	0.51
1599640	Rock	0.69	<0.005	0.9	28.3	5.6	54	<0.1	20.7	9.4	400	3.01	2.7	<0.5	11.4	32	<0.1	0.1	<0.1	59	0.23
1599641	Rock	0.87	<0.005	1.1	53.3	6.2	94	<0.1	75.3	22.1	1054	4.26	0.8	<0.5	7.1	24	<0.1	<0.1	0.1	108	0.36
1599642	Rock	0.89	<0.005	1.0	51.9	17.7	48	<0.1	44.0	14.7	562	2.97	3.7	0.6	11.8	19	0.1	<0.1	0.3	42	0.18
1599643	Rock	0.73	<0.005	0.7	50.9	12.6	37	<0.1	25.3	10.3	385	2.54	1.0	0.6	8.9	32	<0.1	<0.1	<0.1	50	0.15
1599644	Rock	0.80	<0.005	0.8	34.0	6.1	44	<0.1	20.0	8.7	467	3.06	<0.5	<0.5	12.8	39	<0.1	<0.1	<0.1	58	0.23



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CERTIFICATE OF ANALYSIS

WHI18000646.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1599634	Rock	0.020	25	30	0.30	1909	0.058	<20	1.01	0.022	0.29	<0.1	<0.01	4.9	0.1	<0.05	4	<0.5	<0.2
1599635	Rock	0.093	36	35	0.72	1320	0.055	<20	1.53	0.014	0.55	0.1	0.02	6.0	0.1	<0.05	6	<0.5	<0.2
1599636	Rock	0.091	27	60	1.29	827	0.216	<20	2.40	0.028	1.23	<0.1	<0.01	8.8	0.5	<0.05	9	<0.5	<0.2
1599637	Rock	0.034	29	35	0.75	717	0.185	<20	1.72	0.015	1.01	<0.1	<0.01	4.1	0.4	<0.05	5	<0.5	<0.2
1599638	Rock	0.024	28	44	0.69	607	0.166	<20	1.66	0.028	0.66	<0.1	0.01	5.0	0.3	<0.05	5	<0.5	<0.2
1599639	Rock	0.062	24	164	1.48	643	0.236	<20	2.32	0.030	1.11	<0.1	<0.01	7.8	0.5	<0.05	7	<0.5	<0.2
1599640	Rock	0.035	30	45	0.71	522	0.190	<20	1.80	0.045	0.76	<0.1	0.01	6.3	0.3	<0.05	6	<0.5	<0.2
1599641	Rock	0.081	25	100	2.01	1129	0.306	<20	3.21	0.020	1.85	<0.1	0.02	8.6	0.8	<0.05	11	<0.5	<0.2
1599642	Rock	0.037	35	40	0.58	528	0.063	<20	1.43	0.016	0.52	<0.1	<0.01	4.4	0.2	<0.05	5	<0.5	<0.2
1599643	Rock	0.018	18	41	0.56	949	0.111	<20	1.10	0.028	0.38	<0.1	<0.01	5.2	0.2	<0.05	6	<0.5	<0.2
1599644	Rock	0.023	33	54	0.93	602	0.217	<20	2.01	0.061	0.97	<0.1	<0.01	6.9	0.4	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1599537	Rock	0.76	<0.005	0.8	19.3	13.7	63	<0.1	9.5	9.1	676	3.18	2.6	<0.5	7.0	28	<0.1	0.2	0.1	44	0.20
REP 1599537	QC	<0.005																			
1599539	Rock	0.80	<0.005	0.5	41.1	29.3	72	<0.1	10.4	15.7	894	3.97	1.6	<0.5	6.5	22	<0.1	<0.1	0.1	93	0.36
REP 1599539	QC	<0.005																			
REP 1599557	QC			0.2	16.1	6.0	72	<0.1	11.2	12.8	710	3.34	0.7	1.0	3.6	35	<0.1	0.1	<0.1	76	0.40
REP 1599608	QC			0.5	16.7	24.7	48	<0.1	27.5	9.4	458	2.48	0.7	<0.5	11.9	36	<0.1	<0.1	0.3	35	0.35
1599629	Rock	0.88	<0.005	0.6	22.9	5.5	59	<0.1	27.2	13.3	585	3.71	0.5	<0.5	14.7	43	<0.1	<0.1	<0.1	57	0.18
REP 1599629	QC	<0.005																			
1599631	Rock	0.74	<0.005	1.4	84.7	15.4	59	<0.1	33.8	15.8	340	3.13	14.6	<0.5	10.6	93	<0.1	0.4	<0.1	41	0.26
REP 1599631	QC	<0.005																			
REP 1599642	QC			1.0	48.2	17.1	45	<0.1	42.9	14.2	557	2.86	3.7	<0.5	11.8	19	<0.1	0.1	0.3	40	0.18
1599644	Rock	0.80	<0.005	0.8	34.0	6.1	44	<0.1	20.0	8.7	467	3.06	<0.5	<0.5	12.8	39	<0.1	<0.1	<0.1	58	0.23
REP 1599644	QC	<0.005																			
Core Reject Duplicates																					
1599557	Rock	0.89	<0.005	0.3	15.7	6.1	71	<0.1	10.9	12.1	704	3.36	<0.5	<0.5	3.7	34	<0.1	<0.1	<0.1	76	0.39
DUP 1599557	QC	<0.005																			
1599608	Rock	0.50	<0.005	0.5	16.2	24.6	50	<0.1	26.7	9.6	461	2.55	0.6	<0.5	11.8	36	<0.1	<0.1	0.3	35	0.35
DUP 1599608	QC	<0.005																			
1599642	Rock	0.89	<0.005	1.0	51.9	17.7	48	<0.1	44.0	14.7	562	2.97	3.7	0.6	11.8	19	0.1	<0.1	0.3	42	0.18
DUP 1599642	QC	<0.005																			
Reference Materials																					
STD DS11	Standard			15.3	145.7	137.5	336	1.6	77.7	13.4	986	2.99	41.0	85.4	7.9	67	2.1	7.4	11.6	46	1.02
STD DS11	Standard			14.3	148.5	136.6	329	1.6	77.0	12.9	994	3.05	42.0	50.7	7.4	71	2.4	7.7	11.5	47	1.03
STD DS11	Standard			13.5	145.1	136.6	348	1.6	76.9	13.2	998	3.00	42.0	40.7	7.4	69	2.6	7.2	11.6	47	1.04
STD OREAS45EA	Standard			1.3	686.1	13.4	31	0.2	395.5	50.9	391	20.69	10.4	49.4	10.3	4	<0.1	0.3	0.2	302	0.03
STD OREAS45EA	Standard			1.6	700.2	13.6	31	0.2	401.5	50.6	400	20.91	10.6	54.4	10.1	4	<0.1	0.2	0.3	307	0.03
STD OREAS45EA	Standard			1.5	708.3	14.4	32	0.2	401.3	52.2	401	21.21	10.8	50.1	10.8	4	<0.1	0.3	0.3	300	0.03
STD OXC145	Standard	0.211																			



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QUALITY CONTROL REPORT

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1599537	Rock	0.037	19	20	0.63	1147	0.126	<20	1.39	0.052	0.46	0.2	<0.01	7.5	0.2	<0.05	5	<0.5	<0.2
REP 1599537	QC																		
1599539	Rock	0.067	17	29	1.81	445	0.287	<20	2.51	0.034	1.41	0.1	<0.01	9.3	0.3	<0.05	9	<0.5	<0.2
REP 1599539	QC																		
REP 1599557	QC	0.053	16	37	0.74	738	0.106	<20	1.13	0.058	0.31	0.2	<0.01	12.1	0.1	<0.05	5	<0.5	<0.2
REP 1599608	QC	0.047	30	46	0.49	186	0.109	<20	1.53	0.044	0.32	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
1599629	Rock	0.027	42	62	1.00	365	0.272	<20	2.36	0.057	1.28	<0.1	<0.01	7.9	0.5	<0.05	8	<0.5	<0.2
REP 1599629	QC																		
1599631	Rock	0.099	29	29	0.31	2146	0.050	<20	1.12	0.032	0.40	<0.1	0.03	6.2	0.2	0.06	4	<0.5	<0.2
REP 1599631	QC																		
REP 1599642	QC	0.038	33	38	0.57	516	0.062	<20	1.39	0.015	0.51	<0.1	<0.01	4.1	0.2	<0.05	5	<0.5	<0.2
1599644	Rock	0.023	33	54	0.93	602	0.217	<20	2.01	0.061	0.97	<0.1	<0.01	6.9	0.4	<0.05	7	<0.5	<0.2
REP 1599644	QC																		
Core Reject Duplicates																			
1599557	Rock	0.050	16	37	0.74	742	0.105	<20	1.12	0.057	0.31	0.1	0.01	12.2	0.1	<0.05	5	<0.5	<0.2
DUP 1599557	QC	0.051	16	38	0.75	726	0.106	<20	1.13	0.056	0.31	0.1	0.01	12.3	0.1	<0.05	5	<0.5	<0.2
1599608	Rock	0.048	29	46	0.49	190	0.109	<20	1.52	0.045	0.33	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
DUP 1599608	QC	0.041	27	41	0.45	168	0.098	<20	1.37	0.042	0.30	<0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1599642	Rock	0.037	35	40	0.58	528	0.063	<20	1.43	0.016	0.52	<0.1	<0.01	4.4	0.2	<0.05	5	<0.5	<0.2
DUP 1599642	QC	0.039	34	41	0.63	552	0.068	<20	1.55	0.017	0.55	<0.1	<0.01	4.5	0.2	<0.05	5	<0.5	<0.2
Reference Materials																			
STD DS11	Standard	0.068	18	57	0.81	405	0.095	<20	1.10	0.071	0.39	2.3	0.23	3.2	4.8	0.27	5	2.1	4.3
STD DS11	Standard	0.067	19	57	0.80	420	0.096	<20	1.13	0.072	0.40	2.4	0.26	3.3	4.7	0.27	5	1.8	4.5
STD DS11	Standard	0.073	17	55	0.80	419	0.088	<20	1.10	0.068	0.39	2.2	0.25	3.2	4.7	0.27	5	2.1	4.3
STD OREAS45EA	Standard	0.030	6	806	0.10	129	0.101	<20	3.28	0.019	0.06	<0.1	0.01	78.2	<0.1	<0.05	12	1.0	<0.2
STD OREAS45EA	Standard	0.031	7	806	0.10	138	0.100	<20	3.35	0.019	0.06	<0.1	0.01	81.1	<0.1	<0.05	12	1.7	<0.2
STD OREAS45EA	Standard	0.031	7	834	0.10	142	0.102	<20	3.24	0.016	0.05	<0.1	0.01	82.0	<0.1	<0.05	13	1.2	<0.2
STD OXC145	Standard																		



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

Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Project: GCP
Report Date: September 29, 2018

Page: 2 of 2 Part: 1 of 2

QUALITY CONTROL REPORT

WHI18000646.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01
STD OXC145	Standard		0.204																		
STD OXC145	Standard		0.199																		
STD OXH139	Standard		1.298																		
STD OXH139	Standard		1.314																		
STD OXH139	Standard		1.274																		
STD OXN134	Standard		7.434																		
STD OXN134	Standard		7.623																		
STD OXN134	Standard		7.517																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OXN134 Expected			7.667																		
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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	<0.1	<1	<0.01	<0.5	<0.5	<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																		
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.1	4.1	1.3	34	<0.1	2.0	3.5	522	1.75	1.3	<0.5	2.1	28	<0.1	<0.1	<0.1	21	0.65
ROCK-WHI	Prep Blank		<0.005	1.0	4.7	1.2	35	<0.1	0.7	3.3	524	1.69	1.2	<0.5	1.9	26	<0.1	<0.1	<0.1	19	0.61



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

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Project: GCP
Report Date: September 29, 2018

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI18000646.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	
STD OXC145	Standard																			
STD OXC145	Standard																			
STD OXH139	Standard																			
STD OXH139	Standard																			
STD OXH139	Standard																			
STD OXN134	Standard																			
STD OXN134	Standard																			
STD OXN134	Standard																			
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053			78	0.072	0.036	12.4	0.78	0.1	
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56	
STD OXN134 Expected																				
STD OXC145 Expected																				
STD OXH139 Expected																				
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	0.042	6	5	0.48	61	0.078	<20	0.92	0.073	0.09	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.037	6	3	0.47	56	0.073	<20	0.93	0.071	0.08	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2	

Appendix VIII

INVOICES

Invoice

Box 70, Dawson, YT Y0B 1G0
 Phone (867) 993-5612
 Fax: (867) 993-5617

Date	Invoice #
15-Oct-18	10071
Due	Terms
29-Oct-18	Net 14

Invoice To:
Pacific Ridge Exploration Ltd.
 1100 - 1111 Melville Street
 Vancouver, BC V6E 3V6
ATTN: Gerald G. Carlson, Presi
gcarlson@pacificridgeexploration.com

Description	Site	Units	Service Amt	Total Amount
GT Probe Survey on the Gold Cap property for period of July 30 to August 8, 2018 Labour and Equipment	GCP			

Invoice

Box 70, Dawson, YT Y0B 1G0
Phone (867) 993-5612
Fax: (867) 993-5617

Date	Invoice #
15-Oct-18	10104
Due	Terms
29-Oct-18	Net 14

Invoice To:

Pacific Ridge Exploration Ltd.

1100 - 1111 Melville Street

Vancouver, BC V6E 3V6

ATTN: Gerald G. Carlson, President
gcarlson@pacificridgeexploration.com

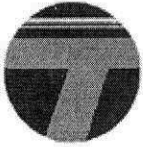
Description	Site	Samples Collected	Cost	Total Amount
Soil Sampling for period of September 3, 2018	GCP	168		

GroundTruth Exploration Inc. Soil Sampling- Pacific Ridge
 Period: September 3, 2018

Summary:

GroundTruth Soil Sampling on Gold Cap (GCP)
 Sample database is QC'd and client delivered for this period.
 All requested sampling has been completed.

Gold Cap (GCP) Project	Chargeout	Units	Amount
Soil sampling	\$50		



TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. BOX 8 - WHITEHORSE - YUKON TERRITORY - Y1A 5X9
TELEPHONE: (867) 668-2177 • FAX: (867) 668-3420

Original

INVOICE

Invoice Number	Document Date	Page
6705	07/31/18	1/1
Customer No.	Federal Tax ID - Business Partner	

PACIEXP

Ticket/s

66333

PACIFIC RIDGE EXPLORATION LTD

SUITE 1100, 1111 MELVILLE ST -
Vancouver BC V6E 3V6
CANADA

Currency: \$

Description	Flight Date	Ticket #	Base	Quantity Charged	Units	Price	Total
Helicopter Hour - Aircraft GTNI	07/31/2018	66333	Dawson City	1.2	hour	2,045.00	2,454.00
FUEL131	07/31/2018	66333	Dawson City	246	litres	1.40	344.40

Tax Details

Tax Code	Tax %	Net	Tax
GST	5.0000	2,798.40	139.92

Invoice Subtotal:	\$ 2,798.40
Total Before Tax:	\$ 2,798.40
Total Tax Amount:	\$ 139.92
Total Amount:	\$ 2,938.32



TRANS NORTH HELICOPTERS

TRANS NORTH TURBO AIR LTD.
P.O. BOX 8 - WHITEHORSE - YUKON TERRITORY - Y1A 5X9
TELEPHONE: (867) 668-2177 • FAX: (867) 668-3470

Original

INVOICE

Invoice Number

Document Date

Page

6741

08/13/18

1/1

Customer No.

Federal Tax ID - Business Partner

PACIEXP

Ticket/s

65828

PACIFIC RIDGE EXPLORATION LTD

SUITE 1100, 1111 MELVILLE ST -
Vancouver BC V6E 3V6
CANADA

Currency: \$

Description	Flight Date	Ticket #	Base	Quantity Charged	Units	Price	Total
Helicopter Hour - Aircraft FPHD	08/05/2018	65828	Dawson City	0.2	hour	1,695.00	339.00

Tax Details

Tax Code	Tax %	Net	Tax
GST	5.0000	339.00	16.95

Invoice Subtotal: **\$ 339.00**

Total Before Tax: **\$ 339.00**

Total Tax Amount: **\$ 16.95**

Total Amount: \$ 355.95

GOLD CAP.



**BUREAU
VERITAS**

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver, BC V6E 3V6
CANADA

Invoice Date: August 28, 2018
Invoice Number: **VANI309966**
Submitted by: Gerry Carlson
Email: gcarlson@pacificridgeexploration.com
Job Number: WHI18000430
PO Number:
Project Code: Gold Cap - PEX
Shipment ID: PEX-180722-01Rock
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	15	\$6.42	\$96.30
2	PRP70-250	Overweight crushing charges per 100g	35	\$0.06	\$2.10
3	BAT01	Batch surcharge for <20 samples	15	\$50.00	\$750.00
4	FA430	30g Fire Assay for Au, AAS	15	\$13.60	\$204.00
5	EN002	Lead waste disposal fee	15	\$0.50	\$7.50
6	AQ200	0.5g - 36 element ICP ES/MS	15	\$13.77	\$206.55
7	SHP-01	Per sample charge for branch shipment	15	\$2.10	\$31.50
Prices reflect discount of 15.00% where applicable.			Net Total		\$1,297.95
			GST		\$64.90
			Grand Total	CAD	\$1,362.85

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

For electronic payments or any enquiries, please contact acct.receivable@ca.bureauveritas.com.



**BUREAU
VERITAS**

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

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

Invoice Date: October 23, 2018
Invoice Number: **VANI314798**
Submitted by: Gerry Carlson
Email:
Job Number: WHI18000756
PO Number:
Project Code: GCP
Shipment ID: GCP-20180818-001-ROCK
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	3	\$6.42	\$19.26
2	PRP70-250	Overweight crushing charges per 100g	29	\$0.06	\$1.74
3	FA430	30g Fire Assay for Au, AAS	3	\$13.60	\$40.80
4	EN002	Lead waste disposal fee	3	\$0.50	\$1.50
5	AQ200	0.5g - 36 element ICP ES/MS	3	\$13.77	\$41.31
6	DISPL	Disposal of pulps	3	\$0.15	\$0.45
7	DISRJ	Disposal of rejects	3	\$0.70	\$2.10
8	SHP-01	Per sample charge for branch shipment	3	\$2.10	\$6.30
9	BAT01	Batch surcharge for <20 samples	3	\$50.00	\$150.00
			Net Total		\$263.46
			GST		\$13.17
			Grand Total	CAD	\$276.63

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

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**BUREAU
VERITAS**

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver, BC V6E 3V6
CANADA

Invoice Date: October 23, 2018
Invoice Number: **VANI314791**
Submitted by: Gerry Carlson
Email:
Job Number: WHI18000644
PO Number:
Project Code: GCP
Shipment ID: GCP-20180810-001-PROBE
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	137	\$6.42	\$879.54
2	PRP70-250	Overweight crushing charges per 100g	31	\$0.06	\$1.86
3	FA430	30g Fire Assay for Au, AAS	137	\$13.60	\$1,863.20
4	EN002	Lead waste disposal fee	137	\$0.50	\$68.50
5	AQ200	0.5g - 36 element ICP ES/MS	137	\$13.77	\$1,886.49
6	DISPL	Disposal of pulps	137	\$0.15	\$20.55
7	DISRJ	Disposal of rejects	137	\$0.70	\$95.90
8	SHP-01	Per sample charge for branch shipment	137	\$2.10	\$287.70
Prices reflect discount of 15.00% where applicable.			Net Total		\$5,103.74
			GST		\$255.19
			Grand Total	CAD	\$5,358.93

Invoice Stated In Canadian Dollars

Payment Terms:

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For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

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**BUREAU
VERITAS**

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver, BC V6E 3V6
CANADA

Invoice Date: October 23, 2018
Invoice Number: **VANI314793**
Submitted by: Gerry Carlson
Email:
Job Number: WHI18000645
PO Number:
Project Code: GCP
Shipment ID: GCP-20180810-001-PROBE
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	138	\$6.42	\$885.96
2	PRP70-250	Overweight crushing charges per 100g	29	\$0.06	\$1.74
3	FA430	30g Fire Assay for Au, AAS	138	\$13.60	\$1,876.80
4	EN002	Lead waste disposal fee	138	\$0.50	\$69.00
5	AQ200	0.5g - 36 element ICP ES/MS	138	\$13.77	\$1,900.26
6	DISPL	Disposal of pulps	138	\$0.15	\$20.70
7	DISRJ	Disposal of rejects	138	\$0.70	\$96.60
8	SHP-01	Per sample charge for branch shipment	138	\$2.10	\$289.80
Prices reflect discount of 15.00% where applicable.			Net Total		\$5,140.86
			GST		\$257.04
			Grand Total	CAD	\$5,397.90

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:
Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St.
Vancouver BC, V6P 6E5

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9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT
QST # 1219972641

MINERALS

Bill To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver, BC V6E 3V6
CANADA

Invoice Date: October 23, 2018
Invoice Number: **VANI314796**
Submitted by: Gerry Carlson
Email: gcarlson@pacificridgeexploration.com
Job Number: WHI18000646
PO Number:
Project Code: GCP
Shipment ID: GCP-20180810-001-PROBE
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP70-250	Crush and Pulverize 250 g	101	\$6.42	\$648.42
2	PRP70-250	Overweight crushing charges per 100g	2	\$0.06	\$0.12
3	FA430	30g Fire Assay for Au, AAS	101	\$13.60	\$1,373.60
4	EN002	Lead waste disposal fee	101	\$0.50	\$50.50
5	AQ200	0.5g - 36 element ICP ES/MS	101	\$13.77	\$1,390.77
6	DISPL	Disposal of pulps	101	\$0.15	\$15.15
7	DISRJ	Disposal of rejects	101	\$0.70	\$70.70
8	SHP-01	Per sample charge for branch shipment	101	\$2.10	\$212.10
Prices reflect discount of 15.00% where applicable.			Net Total		\$3,761.36
			GST		\$188.07
			Grand Total	CAD	\$3,949.43

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

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Bureau Veritas Commodities Canada Ltd.
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Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

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