

**LEOTA CLAIM BLOCK, KLONDIKE GOLDFIELDS, YUKON TERRITORY,
REPORT ON THE 2015 GEOCHEMISTRY SURVEY**

Claim Groupings: HD03048, HD03054 and HD03143

Dawson Mining District

NTS maps: 115015 & 116B02

UTM coordinates 608000/7092000, Zone 7 NAD83

Registered Owners: Mark Pocklington and 650393 B.C. Ltd.

Work performed: July to October, 2015

for

Goldbank Mining Corp.

by

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Date: July 31, 2019

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1. INTRODUCTION

The Leota Claim Block (“LCB”) is a collective name for 1008 contiguous, non-surveyed “Quartz” mining claims situated approximately 20 to 50 air kilometers east-southeast of Dawson City, Yukon Territory. LCB is comprised of three groupings HD03048, HD03143 and HD03054 covering an area of approximately 20,000 hectares (200 sq km), all situated within the Dawson Mining District. Goldbank Mining Corp. (“Goldbank”) of Vancouver optioned a 50 % portion of the LCB in 2010 from claim owners M. Pocklington and R. Weitzel.

In 2015, Goldbank conducted a field program on the LCB consisting of pitting/trenching, soil sampling, outcrop mapping/evaluation and remediation of previously dug pits/trenches. The work was done in the Six Below Pup, Hunker Right Fork, Goring Creek, Leroy Creek, Allgold Creek, Minnie Bell Creek and their tributaries and in the Hunker Summit area. The rationale was to obtain additional information on the bedrock geology, structure and mineralization and to assess the precious and/or base metals potential of the respective areas. Based on the 2015 results, further work on the LCB is justified and recommended.

1.1. Location, Access and Topography

The LCB extends from about 20 to about 50 air kilometers east and southeast of Dawson City. It is accessible from the Klondike HW 2 and from the maintained Hunker Creek road, from which several 4 x 4 roads and ATV trails branch to various portions of the LCB. Topography is dissected by creeks, some of which host placer deposits. Most slopes are smooth to medium steep and the altitudes range from about 360 m above sea level at the HW 2 – Hunker Creek junction to about 1000 m above sea level at the Hunker Summit.

1.2. The Claims

The LCB claim information as of November 2015 is attached at the back of this report (Appendix III).



Fig. 1: Leota Claim Block, location map.

1.3. Terms of Reference

This report summarizes the results of soil and rock geochemistry program that was conducted on the LCB intermittently from July 23 to September 3, 2015. For parts of this report the writer relied on the Yukon Exploration and Geological Services Division assessment and open file reports, on various geo-scientific publications listed in the References chapter and on the Mining Recorder Office, Yukon Department of Energy, Mines and Resources (“YDEM”) Internet applications. The information reported by other experts who are not qualified persons for this report are quoted in the References chapter and are to the best of the writer’s knowledge and experience correct and suitable for the inclusion in this report. Claim descriptions provided herein have been excerpted from the electronic applications of the YDEM and relate to the status as of November 2015. The assays for this report were made available to the author in 2017 and/or 2018.

2. PREVIOUS EXPLORATION

The earliest geological information on the placer and lode gold mining in the Klondike area was presented by McConnell (1900, 1907), Tyrrell (1907), MacLean (1914) and others. Yukon Geological Survey mapped and investigated broader area at 1:250,000 scale (Bostock, 1942).

United Keno Hill Mines, KSL (Yukon) Exploration Limited, Kennecott Canada Exploration Ltd, and Barramundi Gold Ltd. explored the Klondike Goldfields in 1970s and 1980s. Geomorphological work was completed by Milner (1977) and geological maps of the Klondike Goldfields at 1:50,000 scale were presented by Debicki et al. (1984, 1985).

Geological maps of the Northern Stewart River, Klondike and Sixtymile Districts at 1:50,000 scale were compiled by Mortensen (1996). The geological maps at 1:250,000 scale include Gordey and Makepeace (2003) and Gordey and Ryan (2005), Stewart River map sheet (115N&O).

There is an ongoing research into origin of the lode gold mineralization in the Klondike Goldfields by the UBC's Mineral Deposits Research Unit (MDRU). MDRU co-operates with other institutions, universities and some of the companies holding claims in the area (MacKenzie et al., 2007, 2008 a, 2008 b; Chapman et al., 2010, etc.).

A 43-101 compliant Technical Report for Leota Gold Project was prepared for Goldbank Mining Corp., by Ash (2010). Assessment reports on the Leota Claim Block (Molak, 2011, 2012, 2013, 2014) are accessible on <http://virtua.gov.yk.ca:8080/?theme=emr>, or are pending publication.

3. REGIONAL GEOLOGY

The Klondike Goldfields are situated on the southwest side of the Tintina Trench within the Yukon – Tanana Terrane (“YTT”). The YTT consists of two main supracrustal and three meta-plutonic assemblages (Mortensen, 1996). The supracrustal assemblages comprise Late Devonian to mid-Mississippian Nasina assemblage and the mid-Permian Klondike Schist assemblage. The Nasina Assemblage consists of carbonaceous and non-carbonaceous, quartz-muscovite-chlorite

schist and quartzite locally intercalated with mafic schist and amphibolite. The Klondike Schist assemblage mainly comprises felsic schist, micaceous quartzite and quartz-feldspar-biotite-muscovite-(±chlorite) schist. The felsic schist is believed to have been derived from tuffaceous units. Minor chlorite schist, meta-gabbro and marble occur locally.

The meta-plutonic assemblages represent ortho-gneisses that underwent penetrative, ductile deformation and metamorphism ranging from middle greenschist to amphibolite facies. The area to the north is underlain by the rock formations belonging to Slide Mountain Terrane. The rock inventory includes greenstone and ultramafic rocks, which generally only display evidence of brittle shearing and open folding (Mortensen, 1996).

According to MacKenzie et al., (2008), the Klondike Goldfields are floored by the meta-sedimentary and meta-igneous units belonging to Klondike Schist and Finlayson Assemblages and lesser, low-grade metamorphosed, ultramafic rocks of the Slide Mountain Terrane. Regional scale thrust faulting in the Early Jurassic stacked these rocks into a series of thrust slices that are locally separated by lenses of sheared ultramafic rocks. This package was uplifted during the Jurassic times through the brittle-ductile transition and unconformably overlain by locally derived sedimentary and volcanogenic rocks in the Late Cretaceous (Mortensen, 1996). The Klondike Goldfields were then offset approximately 450 km along the Tintina fault (Gabrielse et al., 2006). Erosion and minor uplift continued in the Late Tertiary and resulted in the deposition of the Pliocene White Channel Gravels and their contained gold deposits (Lowey, 2005).

4. LOCAL GEOLOGY AND MINERALIZATION

The LCB area is underlain mainly by various facies of more or less carbonaceous, quartzofeldspathic shales and schists of Devonian to Mississippian age that were classified as Nasina Assemblage and/or the Finlayson Assemblage. Late Paleozoic ophiolitic rocks of oceanic provenance and their alteration products (iswanites) belong to Slide Mountain Assemblage. Minor rhyolite, rhyolite and andesite porphyries and diabase dykes of Eocene (?) age occur locally. The bedrock exposure is limited to steep slopes, ridges, creek banks, road cuts and historical placer mining areas.

The majority of geologists working in the Klondike Goldfields accept the orogenic, mesothermal gold mineralization model based on the occurrences of non-conformable gold-bearing quartz ± carbonate veins hosted by various schist units and filling in the D4 deformation and extension faults (MacKenzie et al. 2007, 2008; Chapman et al., 2010 a, b) of at least three localized, but exceedingly rich hydrothermal systems which evolved both temporally and spatially.

An alternative genetic model is the California Mother Lode, gold-quartz vein-style mineralization associated with listwanite alteration of the ophiolitic rocks (Ash, 2001, 2005, 2006, 2010; Doherty and Ash, 2005; MacFaul, 2005 and others). Ash (l.c.) is a proponent of the gold-quartz veins in the Klondike Goldfields that occur in the hanging wall of the obducted ophiolite nappes (klippen). MacFaul proposed a Mother Lode model for the White Channel pay streak on Dago Hill – Preido - Savoy Creek - Paradise Hill, where the listwanite zone forms the bedrock for at least part of this pay streak.

Previously conducted exploration also targeted an epithermal gold model associated with a late Cretaceous Aalki Creek stock, and/or with Tertiary felsic volcanic rocks. The possibility of intrusion related gold systems has also been suggested.

As far as the placer gold accumulations are concerned, Tyrrell arrived at the following conclusion in 1907: "...the Klondike District owes its phenomenally rich placers not to the wearing down of highly mineralized gold-bearing veins or lodes but rather to the favorable conditions of land, continued and un-interrupted concentrations from a great mass of rock that contained only very minute quantities of gold".

5. 2015 GEOCHEMISTRY PROGRAM

Goldbank conducted a soil and rock geochemistry program on selected LCB claims from August to October 2015 with an aim to identify new precious and/or base metal targets. Goldbank's team consisted of a Professional Geoscientist (project leader and author of this report), a backhoe operator S. Montreuil and the field assistants Robert Eyolfson and Andrej Molak. The soil sampling was conducted on the Right Fork (Fawcett), Alexander and Allgold creek areas. The pits/trenches were excavated in the Hunker Summit area and in the Goring, Minnie Bell and Flat

Creek areas. Chip or discontinuous channel samples were taken from the pits/trenches and/or from the outcrops located in those areas. Geological mapping and evaluation were conducted in the Leroy and Six Below Pup areas and detailed geological maps are presented. Additionally, remediation of 2013 – 2014 pits/trenches was carried out and is listed in Appendix IV.

The soil samples were taken from “C” horizon and the soil and rock sample descriptions and assay certificates are presented in Appendices at the back of this report. In total, 527 soil samples and 60 rock samples were collected from pits and/or outcrops.

5.1. Grouping HD03048, Soil sampling

5.1.1 Alexander Creek

A soil sampling program was conducted in the Alexander Creek – Allgold Creek confluence area on the historical Michie and Cheerio zones. A grid and a single line were completed and a total of 187 soil samples collected on the Quartz claims Leota EV 10, Leota EV 12 to EV 16, Leota EV 23, Leota EV 26, Leota AL 5 and Leota AL 7 (Fig. 2) and the assay results are presented in graphic forms in Figs. 3 to 8 below.

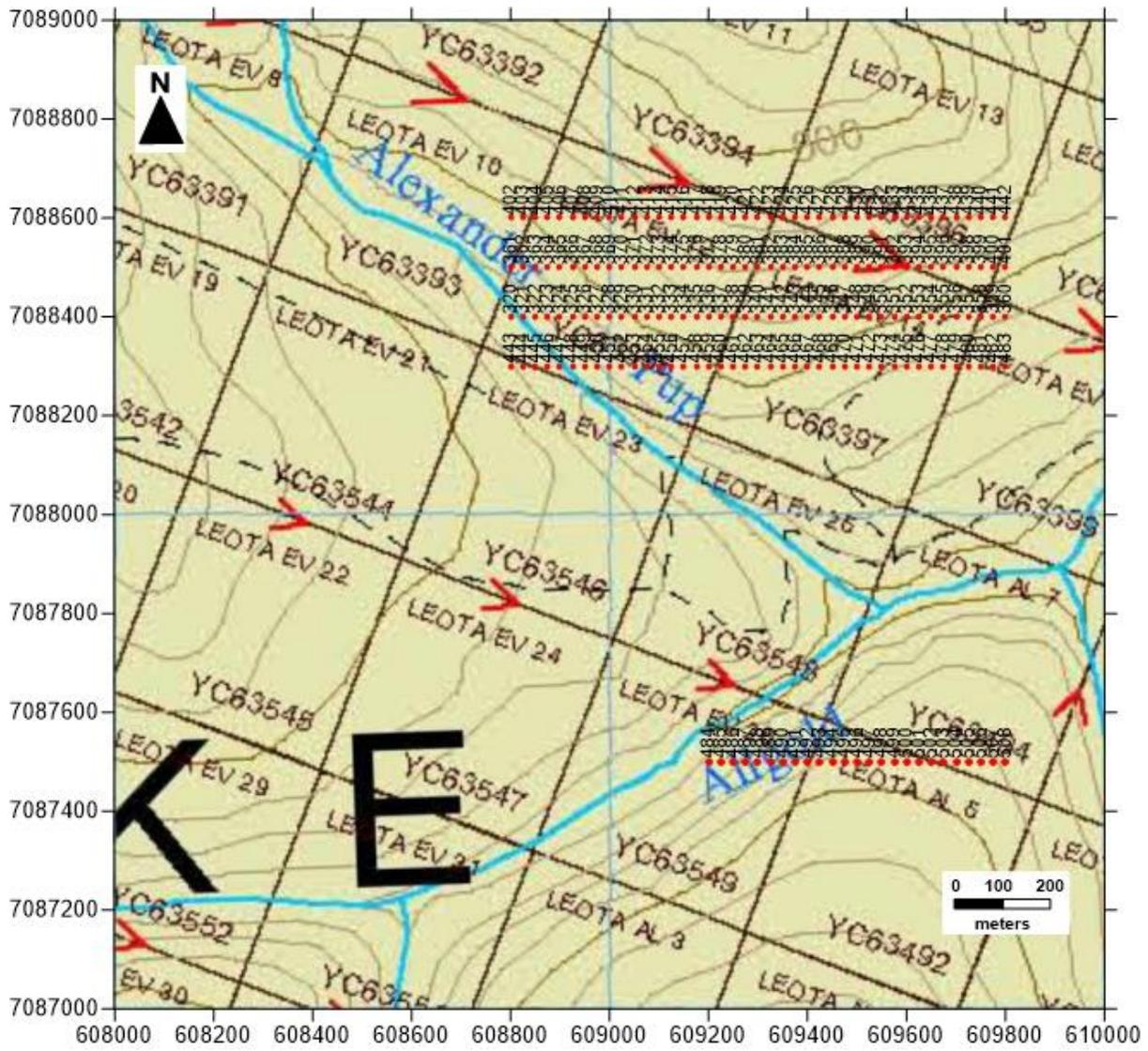


Fig. 2: Location of Michie and Cherio soil sampling grids.

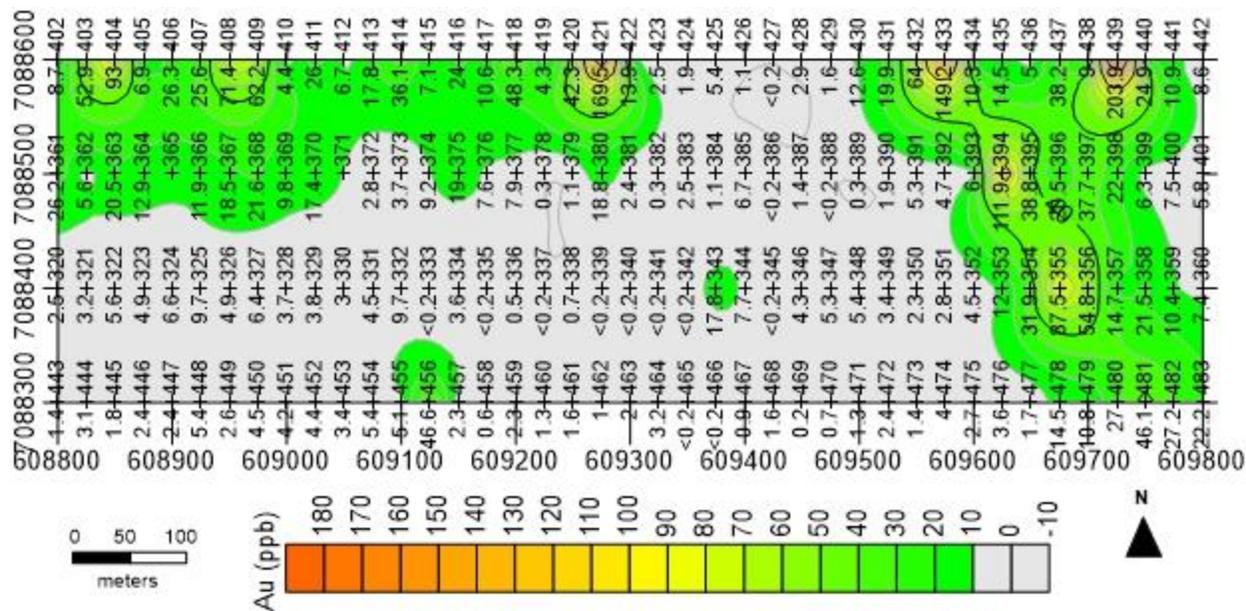


Fig. 3: Distribution of gold

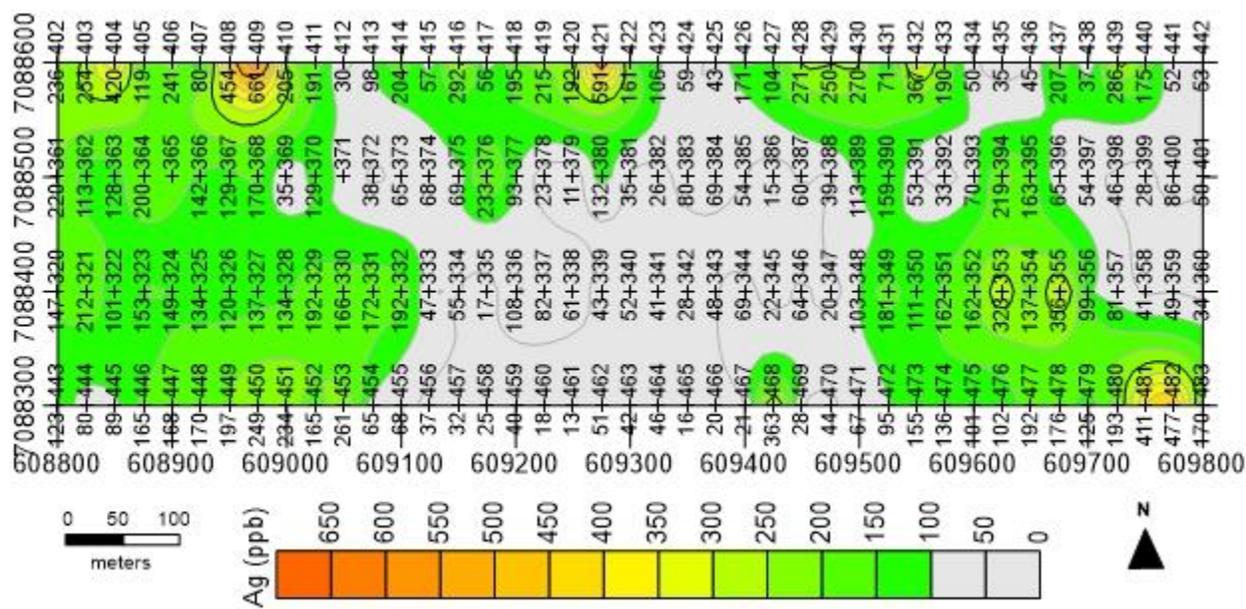


Fig. 4: Distribution of silver

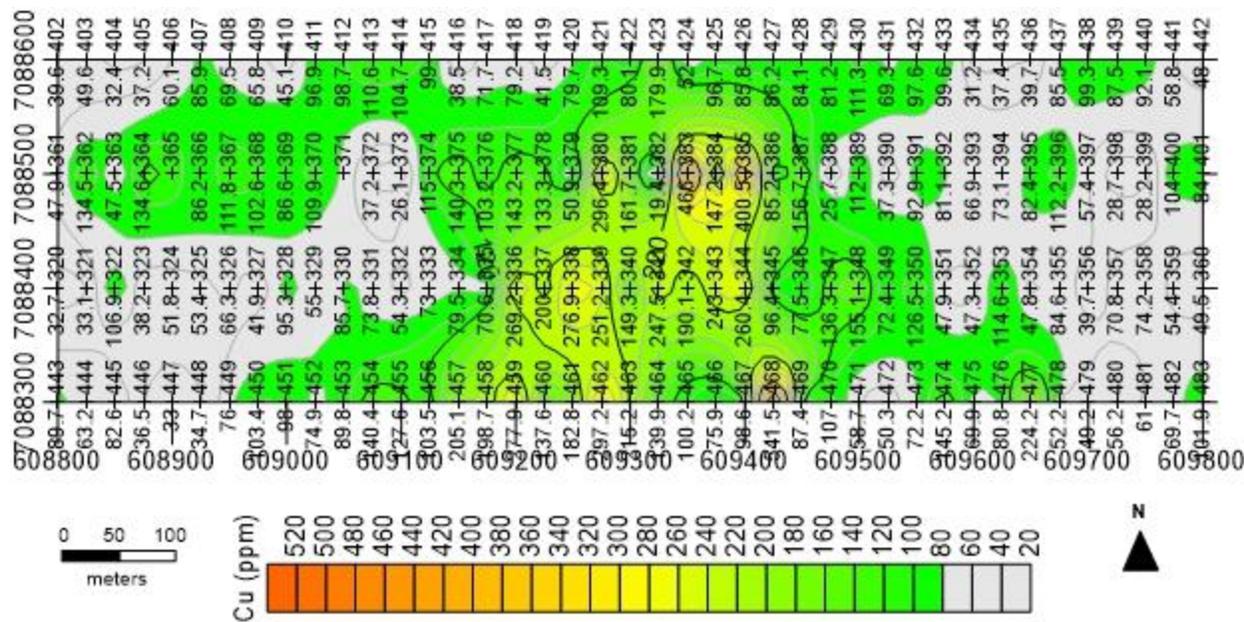


Fig. 5: Distribution of copper.

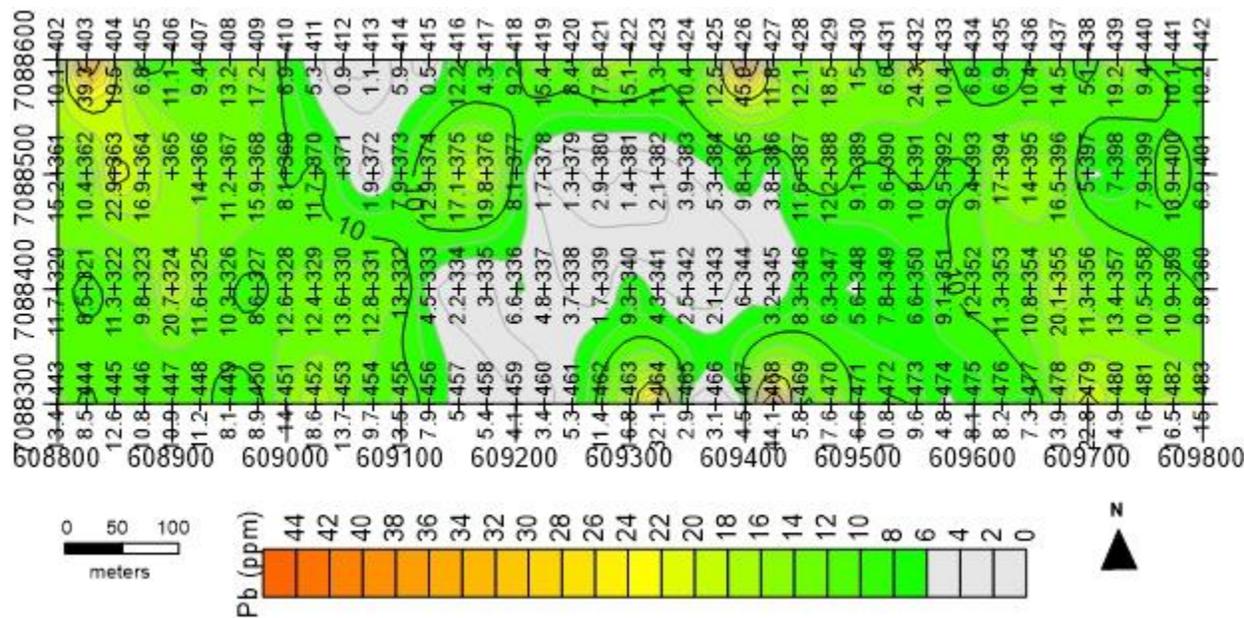


Fig. 6: Distribution of lead.

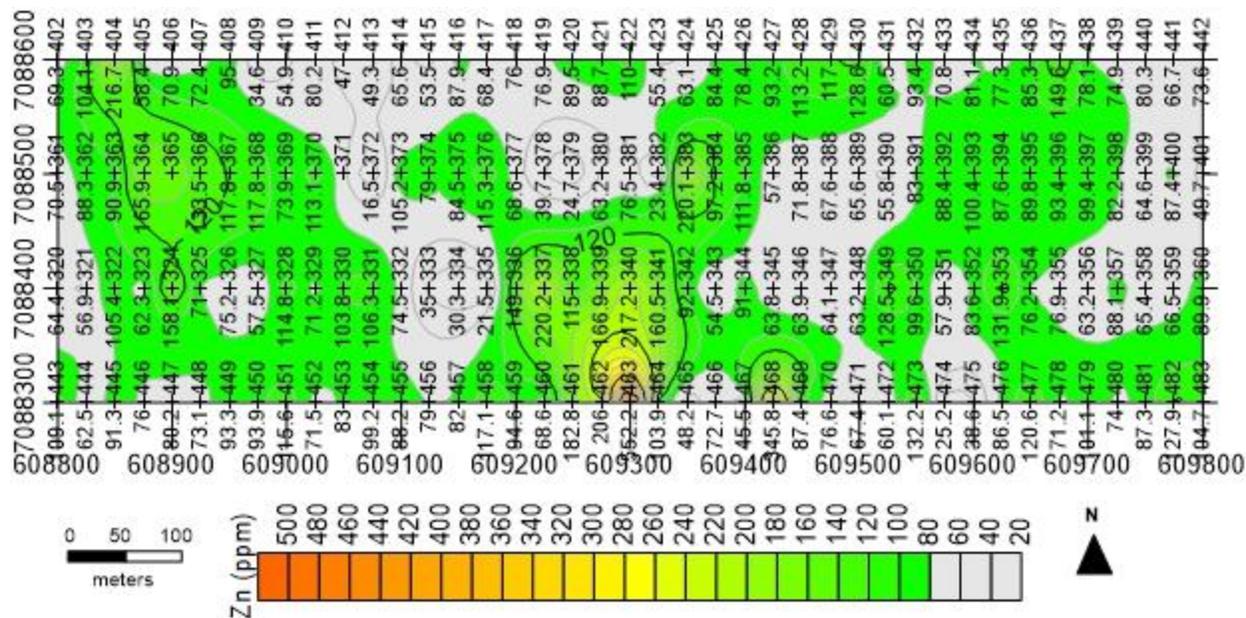


Fig. 7: Distribution of zinc.

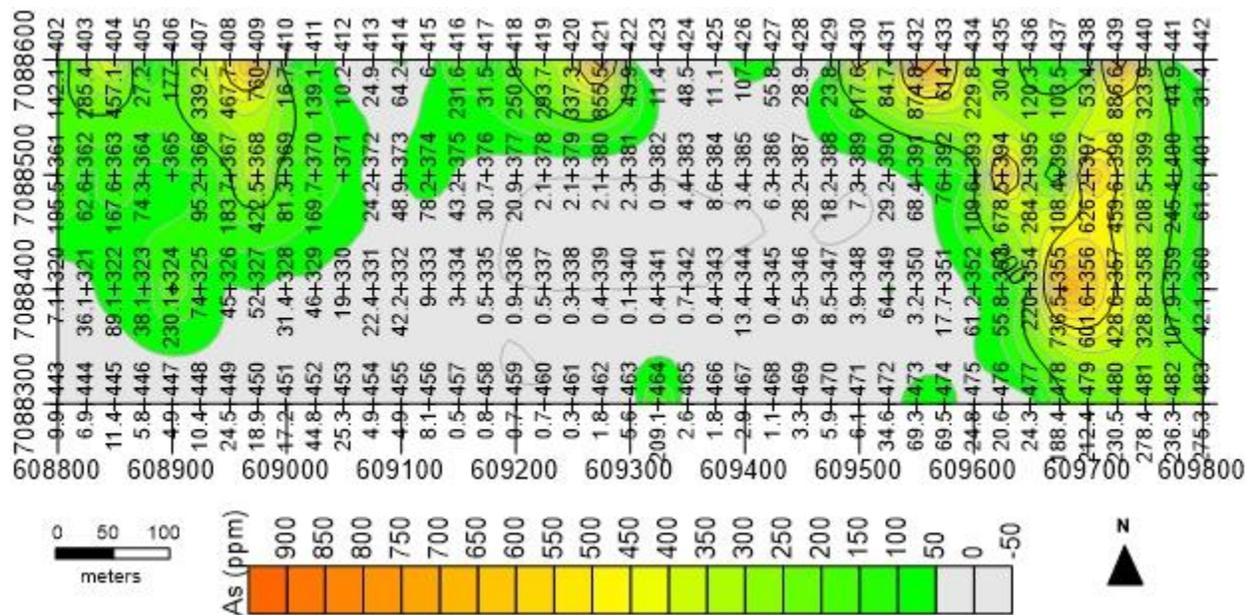


Fig. 8: Distribution of arsenic.

Table 1: Alexander Creek, soil assays, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
Count	162	162	162	162	162	162
Mean	15.345	130.519	103.408	10.672	91.905	122.431
St. error	2.248	8.621	6.104	0.544	4.366	15.046
Median	5.35	102.5	84.895	10.065	80.7	37.1
St. deviation	28.613	109.723	77.696	6.920	55.567	191.505
Sample variance	818.726	12039.046	6036.667	47.886	3087.656	36674.320
Kurtosis	19.376	5.014	9.463	7.997	31.213	4.963
Skewness	4.023	1.885	2.641	2.119	4.489	2.270
Range	203.8	650	522.11	45.38	535.7	886.5
Minimum	<0.2	11	19.4	0.48	16.5	0.1
Maximum	203.9	661	541.51	45.86	552.2	886.6

For statistics and correlations, gold value <0.2 was replaced with 0.1

Table 2: Alexander Creek, soil assays, correlation coefficients and co-variance (%)

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
Au	1.000					
Ag	0.546	1.000				
Cu	-0.126	-0.116	1.000			
Pb	0.267	0.498	-0.019	1.000		
Zn	-0.028	0.110	0.491	0.314	1.000	
As	0.810	0.559	-0.229	0.355	-0.031	1.000
	0.5-0.707	25-49.9%	0.708-0.866	50-74.9%		

Fig. 3 shows a cluster of gold anomalies with a maximum 203.9 ppb in the eastern portion of the grid and isolated anomalies ranging from 62.2 to 169.5 ppb Au in the central and western portions at the northern margin of the grid. Generally, these anomalies occur in the historical (2008 – 2009) pitting area that was conducted by previous claim holders. The pits exposed various mica – quartz schists, locally chloritic and/or graphitic with sub-horizontal to smoothly dipping foliation that is made up of mica bands alternating with saccaroidal quartz bands or lenses, which host large dark, graphite stained, steeply dipping quartz veins up to 5 meters thick as well as thin quartz veins or veinlets that cut across foliation. Quartz is commonly vuggy with vugs lined up with brown iron oxides, and/or sporadic tiny, disseminated sulphidic mineralization. Boulders of beige talc – carbonate (ankerite?) rocks with brown iron-oxidic patches (listwanite) are common. Statistics and correlations for 162 soil samples from Michie zone are listed in Tables 1 and 2. There is a fairly strong correlation between gold and arsenic (correlation coefficient 0.81, co-variance 66 %) and a weaker correlation between gold and silver (Table 2). Soil samples from Cheerio zone (Fig. 9) assayed low gold values ranging from <0.2 to

4.5 ppb, with two slightly higher values of 14 and 14.1 ppb gold respectively, near the western and eastern ends of the line.

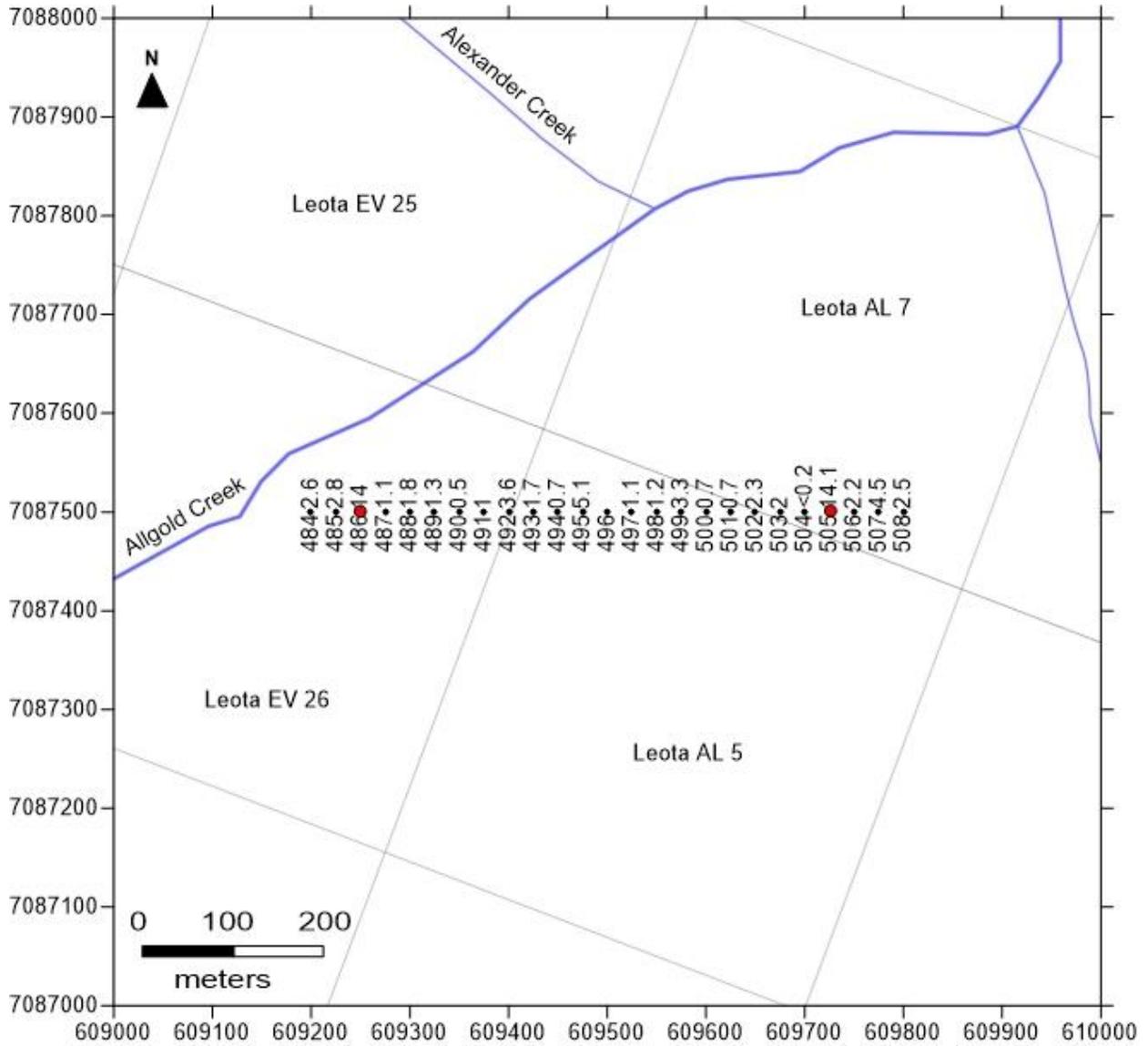


Fig: 9: Location of Cheerio soil sampling line.

5.1.2. Allgold Creek

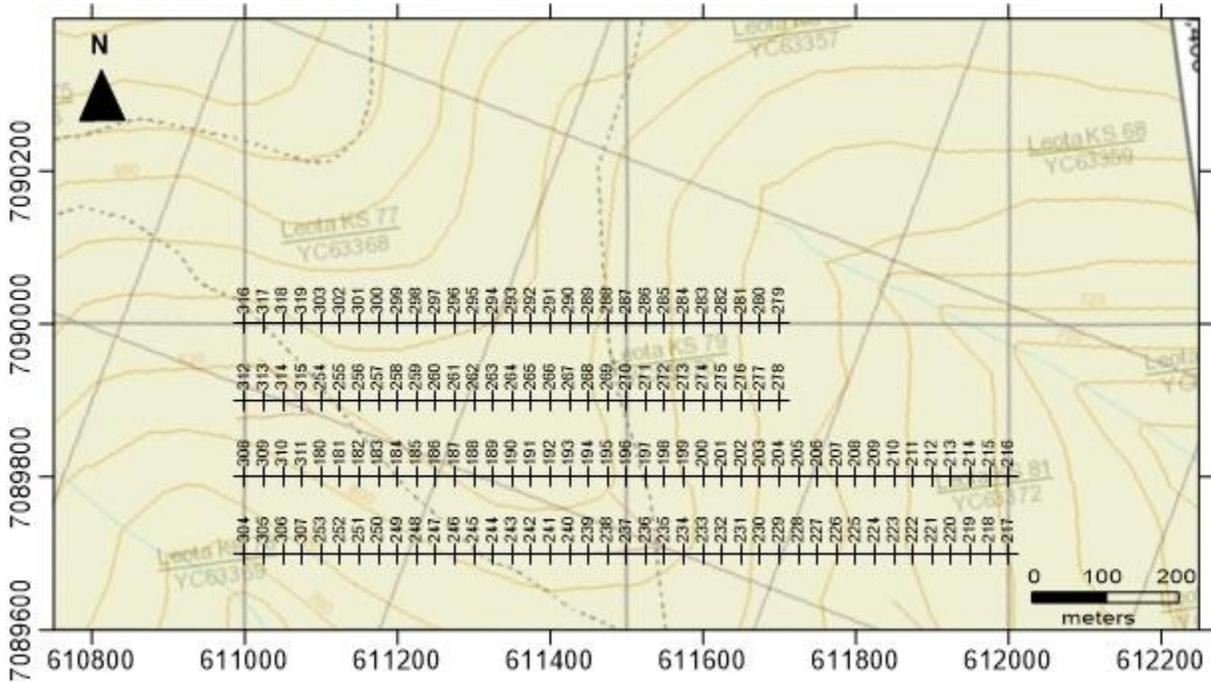


Fig. 10: Location of Allgold Creek grid.

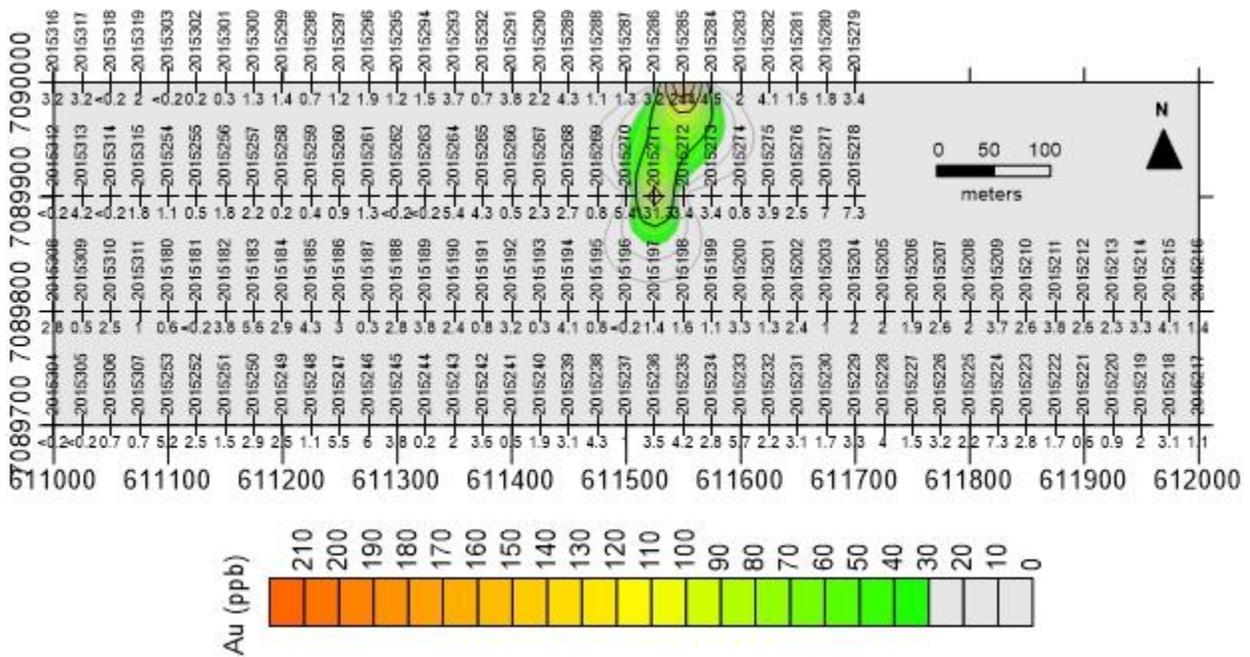


Fig. 11: Distribution of gold.

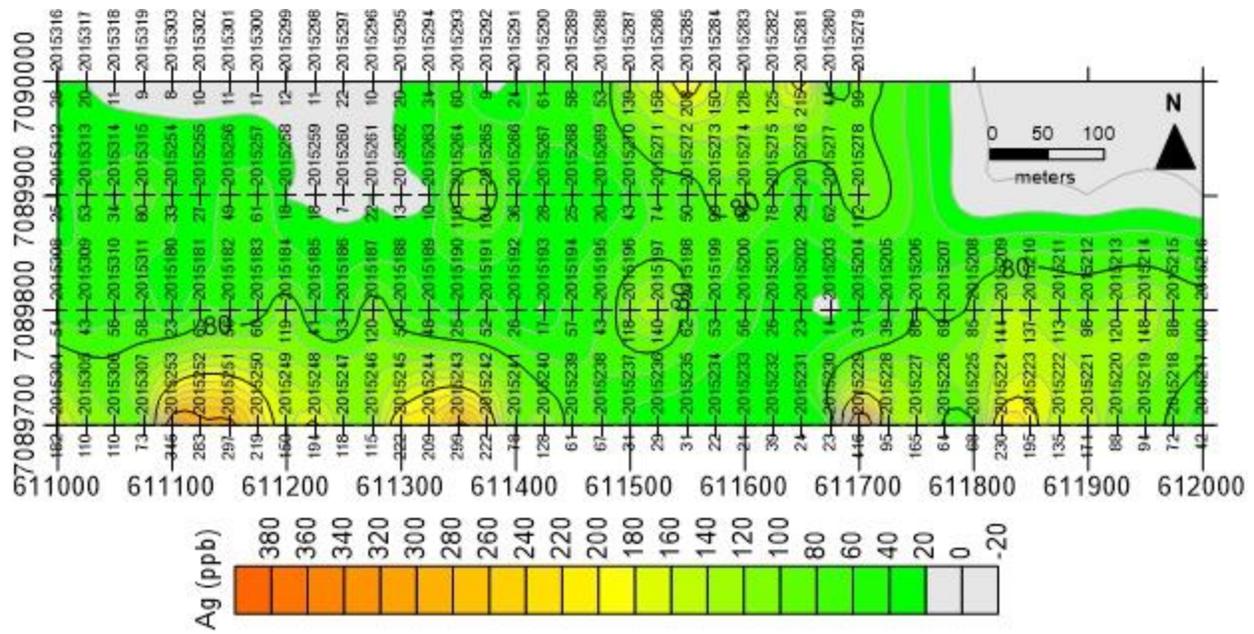


Fig. 12: Distribution of silver.

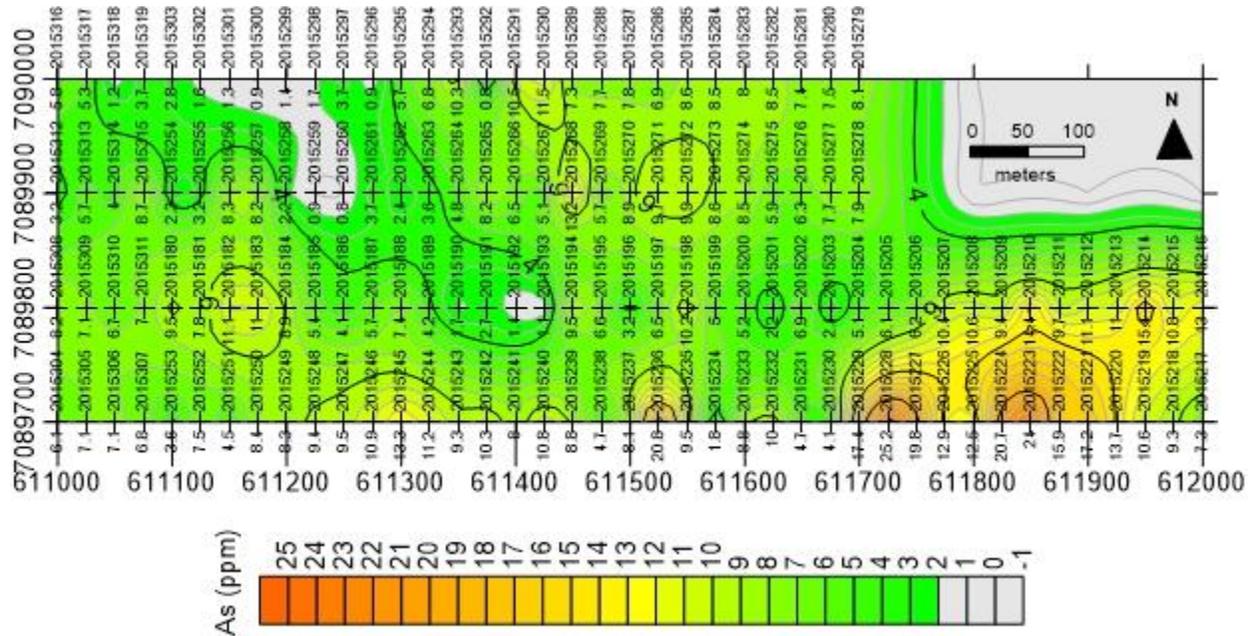


Fig. 13: Distribution of arsenic.

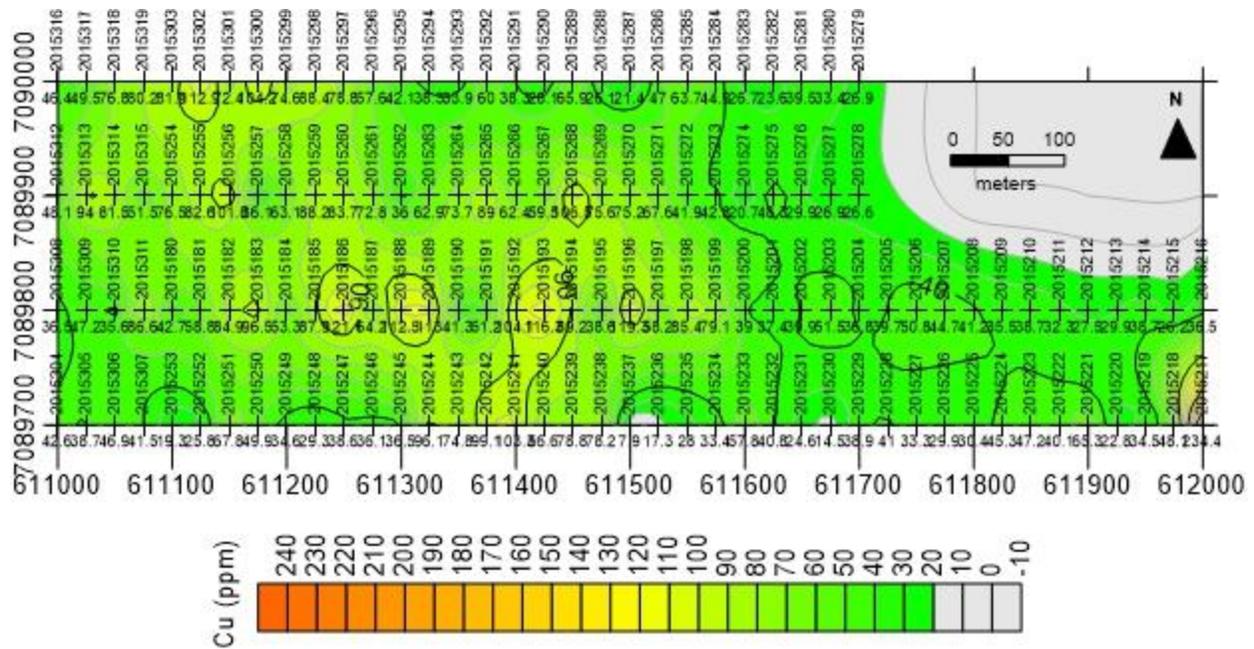


Fig. 14: Distribution of copper.

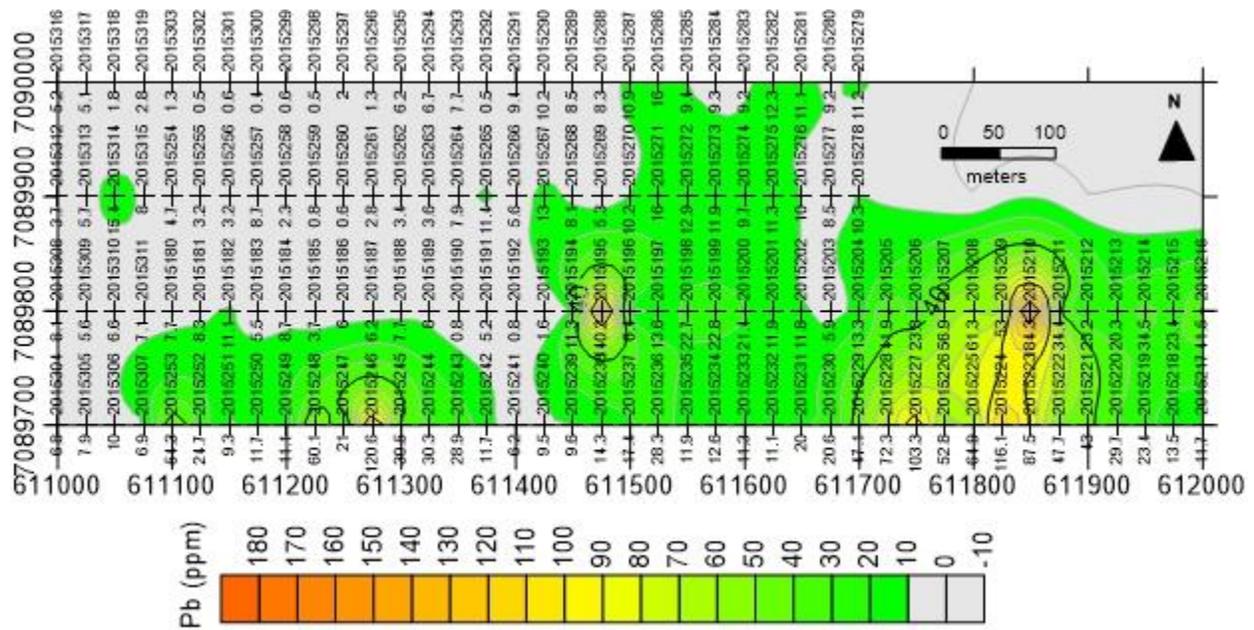


Fig. 15: Distribution of lead.

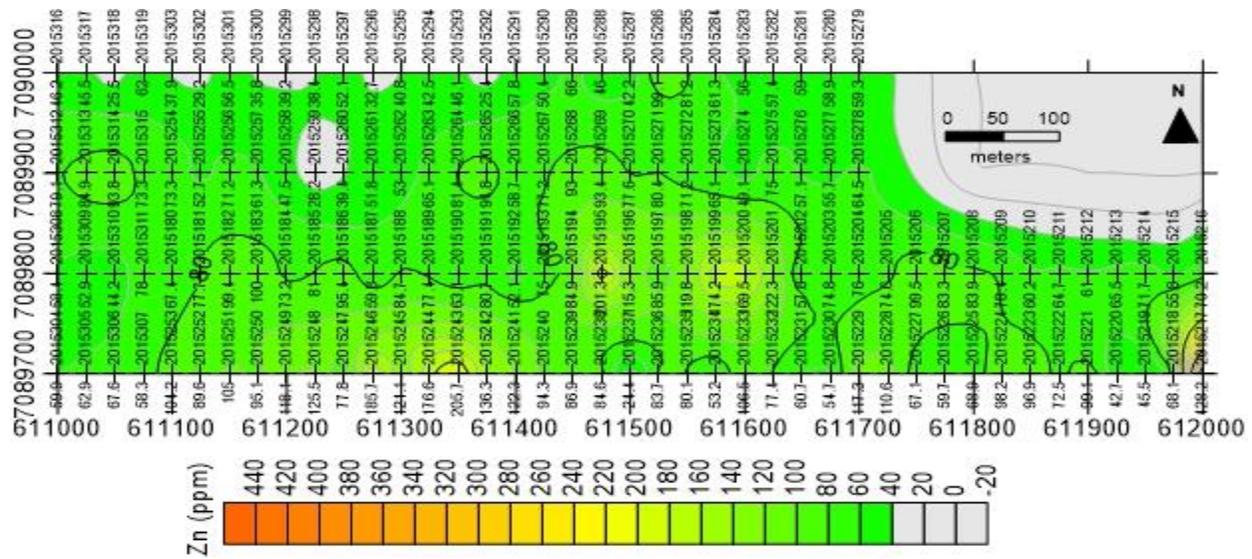


Fig. 16: Distribution of zinc.

Soil sampling grid was laid to test the area with frequent occurrence of quartz veins and boulders. A large quartz vein is exposed in a historical pit about 400 meters north of the grid and another quartz vein was exposed during 2014 pitting/trenching program about 100 meters south of the grid. While most soil assays range from <0.2 to 7.3 ppb gold, two assays from the central northern portion of the grid returned 33.3 and 244 ppb gold (Fig. 11), respectively. The source of this anomaly however is problematic since all quartz veins from this area returned very low gold and were classified as “bull” quartz. No significant correlations were found between gold, silver and base metals, except a weak correlation between lead and arsenic (Table 4).

Table 3: Allgold Creek, soil assays, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
Count	140	140	140	140	140	140
Mean	4.96	82.09	56.56	19.40	78.45	7.70
St. Error	1.96	6.23	2.56	2.34	3.74	0.39
Median	2.1	59	47.1	10.1	71.2	7.5
Mode	0.1	23	38.7	11.1	77.4	9.5
St. Deviation	23.14	73.77	30.29	27.64	44.30	4.56
Sample Variance	535.55	5441.54	917.40	764.02	1962.61	20.80
Kurtosis	89.12	3.80	7.27	12.96	28.04	2.35
Skewness	9.23	1.77	1.83	3.29	4.16	1.12
Range	243.9	409	226.5	183.9	403.8	24.4
Minimum	<0.2	7	7.9	0.4	24.4	0.8
Maximum	244	416	234.4	184.3	428.2	25.2

For statistics and correlations, gold value <0.2 was replaced with 0.1.

Table 4: Allgold Creek, soil assays, correlation coefficients and co-variance (%)

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
<i>Au</i>	1.000					
<i>Ag</i>	0.140	1.000				
<i>Cu</i>	0.020	-0.203	1.000			
<i>Pb</i>	-0.017	0.366	-0.279	1.000		
<i>Zn</i>	0.013	0.288	0.434	0.273	1.000	
<i>As</i>	0.057	0.454	-0.295	0.579	0.194	1.000

0.5-0.707 25-49.9%

5.1.3 Fawcett

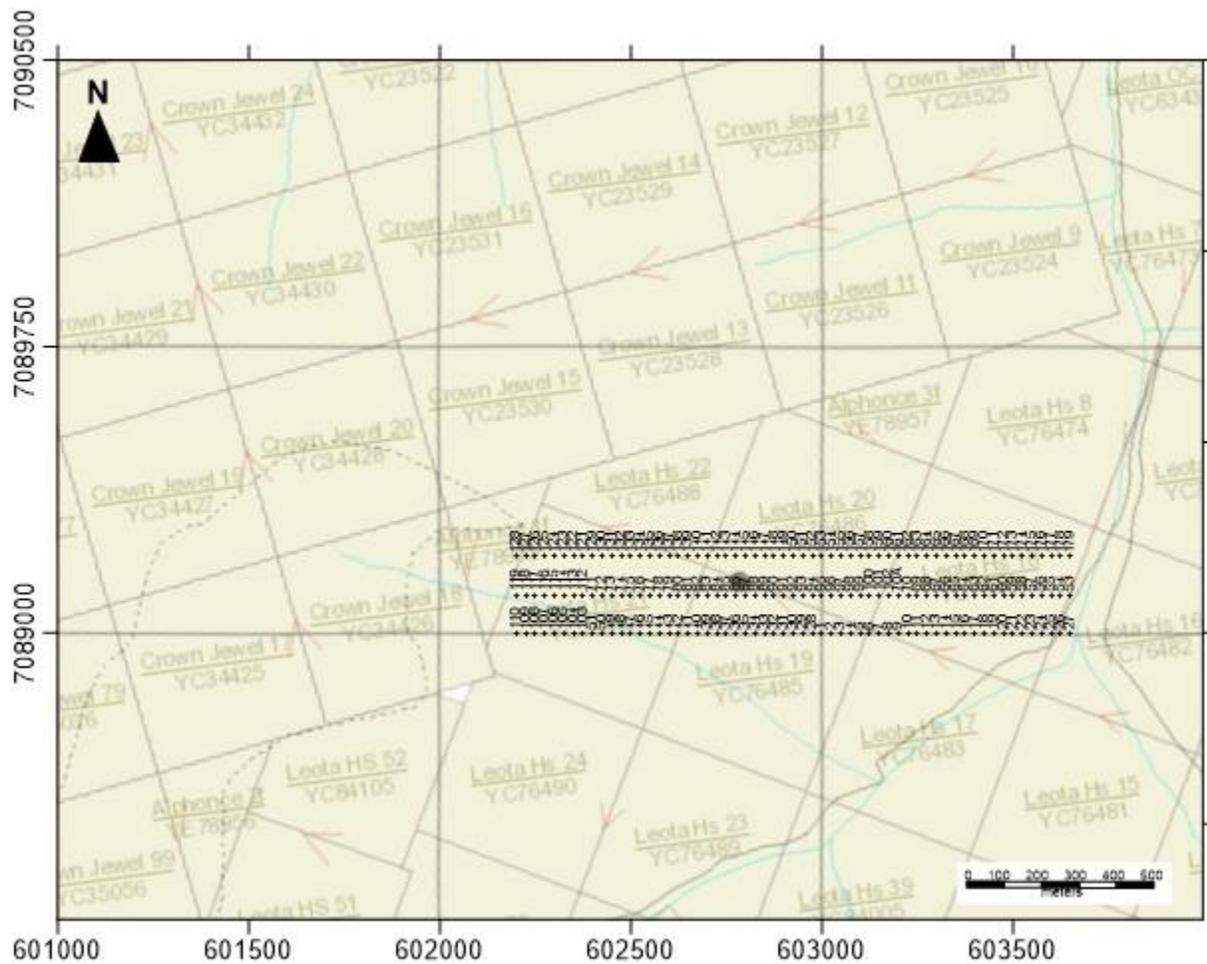


Fig. 17: Location of Fawcett soil sampling grid.

Rationale for this soil survey was to test the area around Minfile occurrence 1150 069 (Fawcett) and the possibility of Alphonse - Grazie gold-quartz vein system extending to this area (Fig. 17).

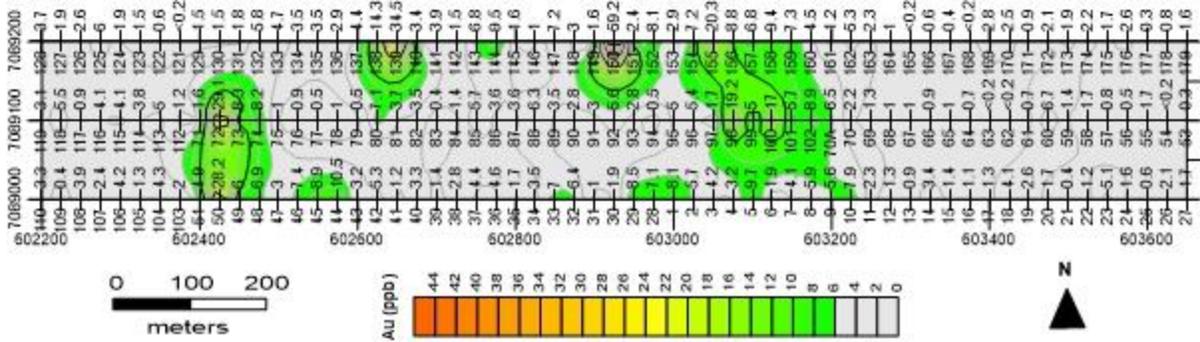


Fig. 18: Distribution of gold.

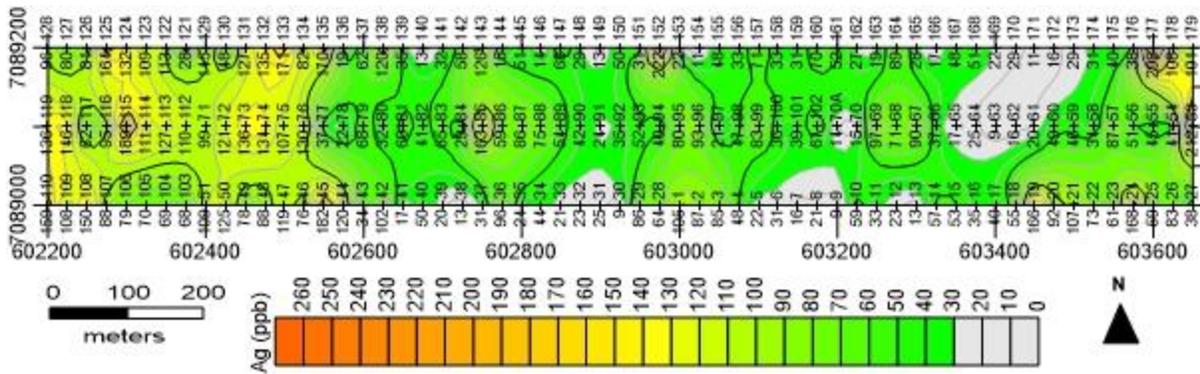


Fig. 19: Distribution of silver.

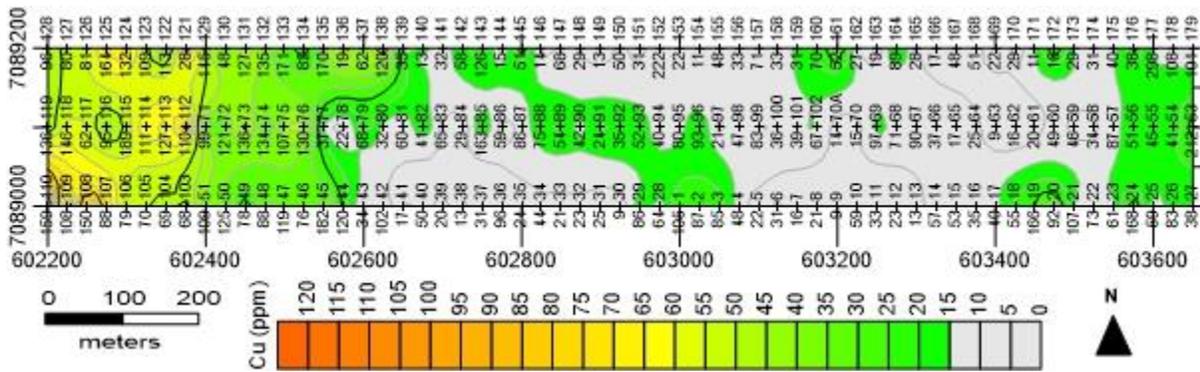


Fig. 20: Distribution of copper.

As shown in Fig. 18, five or six scattered gold anomalies ranging from 17 to 59.2 ppb occur in various portions of the grid, thus providing a sound incentive for further work.

Weak correlations were detected among copper, silver, zinc and arsenic but there is no correlation between gold and silver and/or between gold and base metals (Table 6).

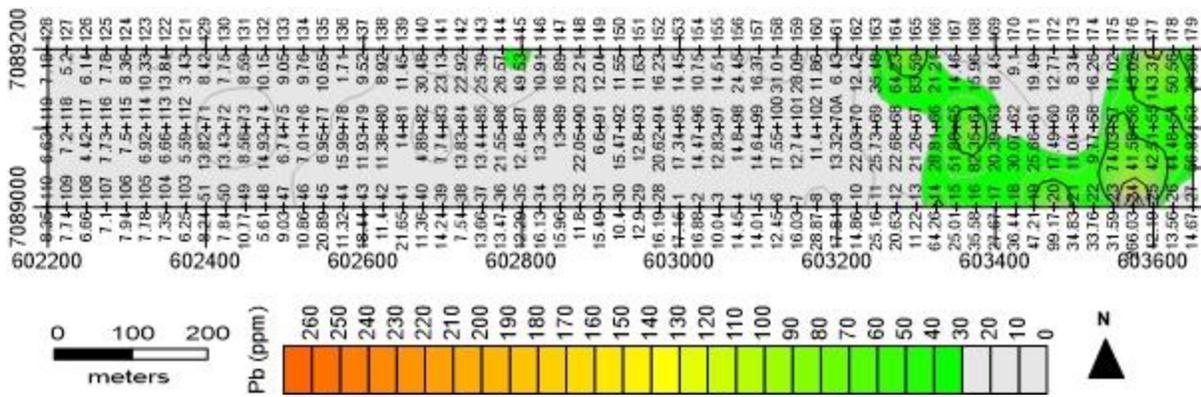


Fig. 21: Distribution of lead.

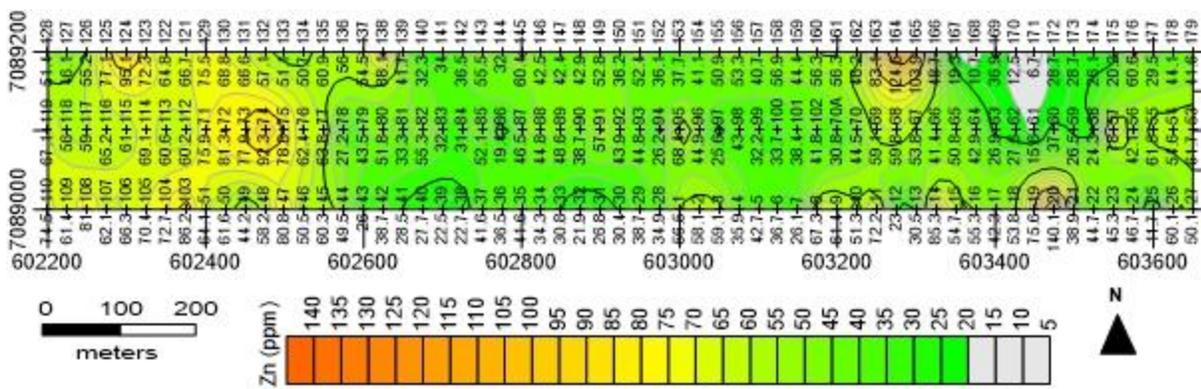


Fig. 22: Distribution of zinc.

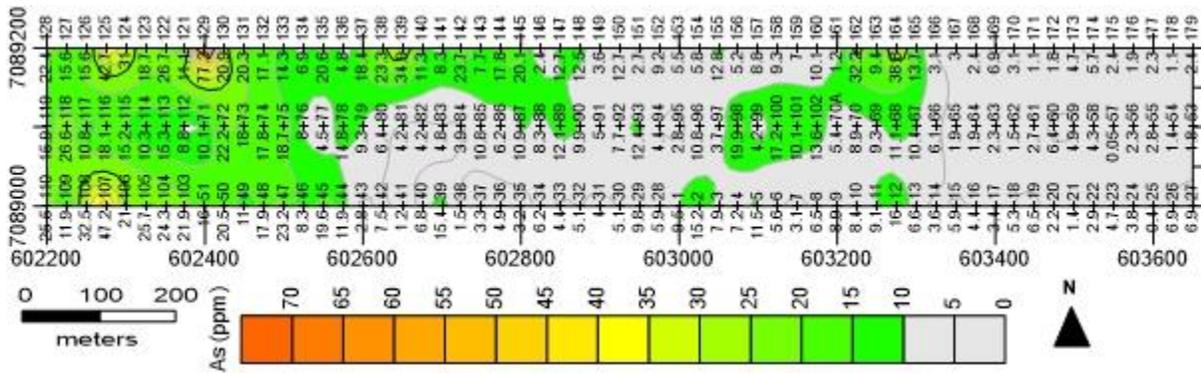


Fig. 23: Distribution of arsenic.

Table 5: Fawcett, soil assays, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
Count	177	177	177	177	177	177
Mean	4.42	68.51	22.89	20.86	49.90	10.80
St. Error	0.48	3.71	1.45	1.94	1.52	0.74
Median	2.9	55	14.39	13.84	48.7	8.3
Mode	1	31	11.62	14.45	38.7	6.9
St. Deviation	6.35	49.42	19.35	25.86	20.24	9.90
Sample Variance	40.29	2442.11	374.51	668.62	409.53	98.00
Kurtosis	35.63	2.28	3.85	48.61	2.26	12.03
Skewness	5.14	1.30	1.80	5.96	0.88	2.64
Range	59.1	289	113.66	264.32	133.4	77.25
Minimum	<0.2	9	3.63	1.71	6.7	<0.1
Maximum	59.2	298	117.29	266.03	140.1	77.3

For statistics and correlations, gold value <0.2 was replaced with 0.1 and arsenic <0.1 was replaced with 0.05.

Table 6: Fawcett, soil assays, correlation coefficients and co-variance (%)

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>
Au	1.000					
Ag	0.055	1.000				
Cu	-0.014	0.534	1.000			
Pb	-0.139	0.187	-0.161	1.000		
Zn	0.018	0.408	0.558	0.111	1.000	
As	0.210	0.362	0.551	-0.213	0.451	1.000

0.5-0.707 25-49.9%

5.2. Grouping HD03048, HD 03054 and HD03143, Rock Sampling

5.2.1. Flat Creek



Fig. 24: Pit and trench locations at Flat Creek.

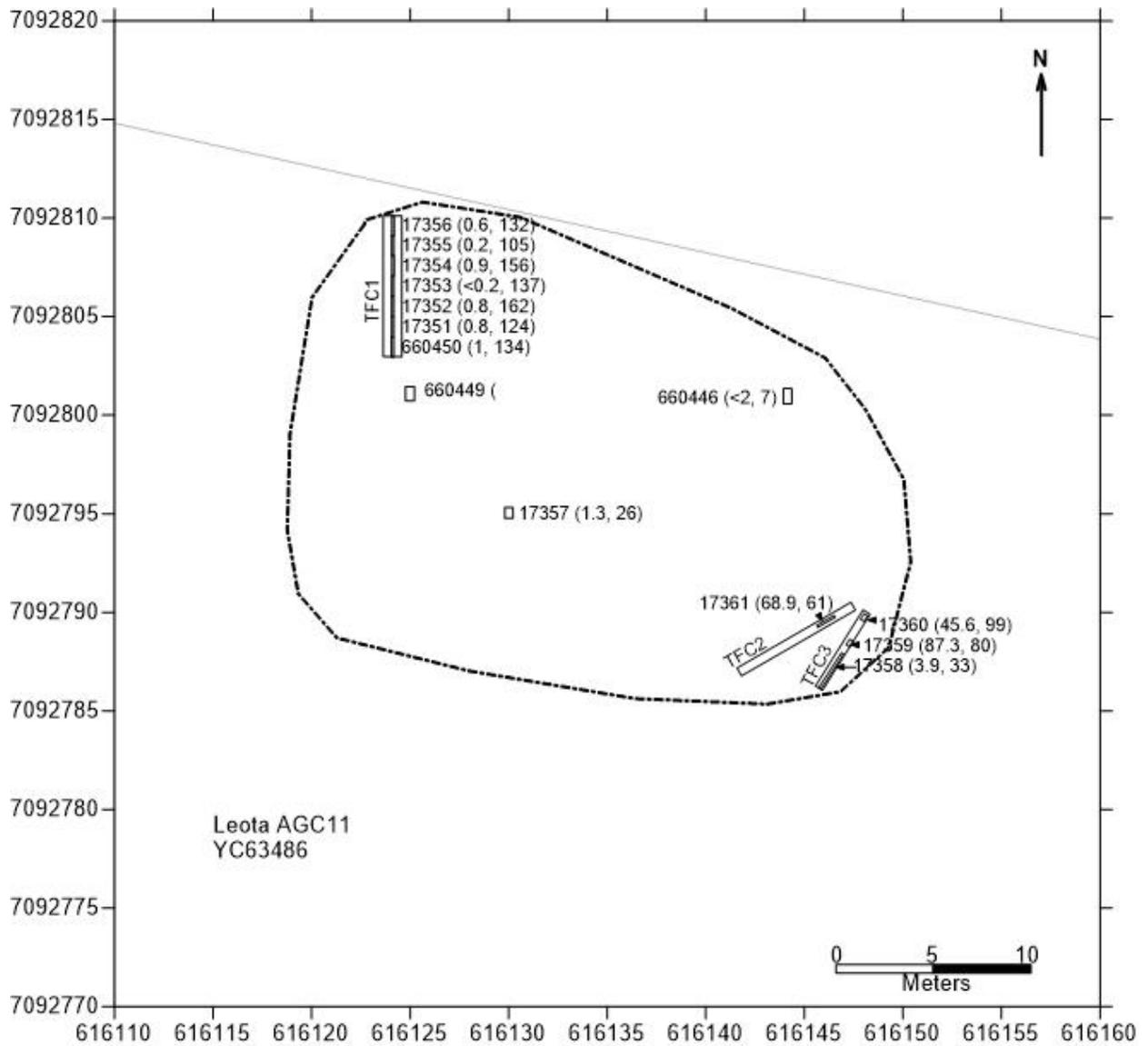


Fig. 25: Detail map showing pit/trench and sample locations at Flat Creek (gold and silver values (in ppb) in brackets next to sample numbers).

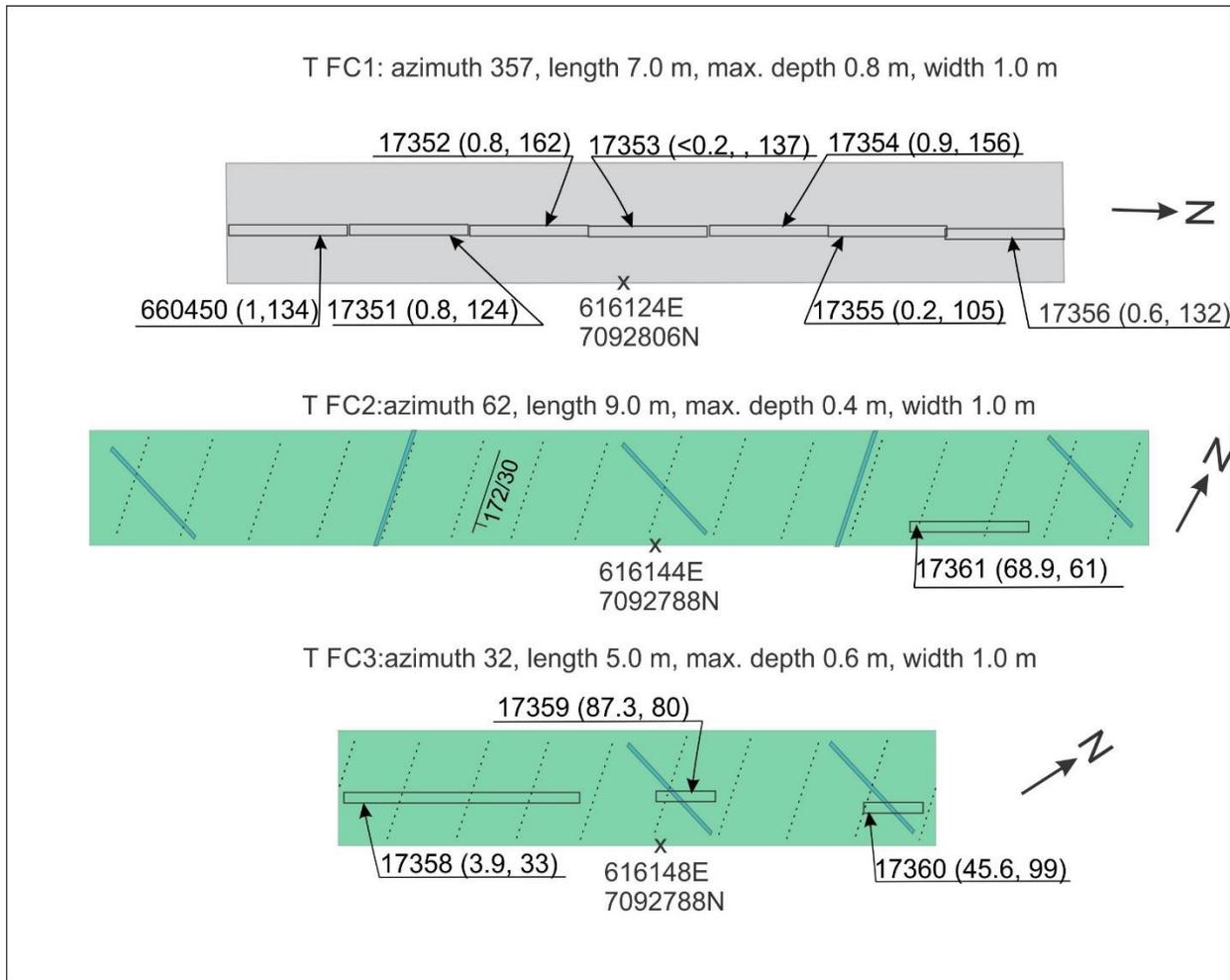


Fig. 26: Trenches TFC1 – TFC3, with sample locations (gold, silver values (in ppb) in brackets).

Selected portions of the Flat Creek area (claim Leota AGC 11) were investigated by pitting/trenching to test its potential to contain significant gold mineralization. Previously, Ash (2010) reported 499.9 ppb gold in a soil sample from the adjoining claim AGC 9 (situated ~800 meters southwest). Goldbank’s pitting on the claim AGC 9 in 2014 however revealed a gravel horizon extending as high as 200 meters above the Allgold Creek level. Therefore we looked for the bedrock in deeply dissected gullies at lower elevations (Fig. 25) and had three trenches (TFC1 to TFC3) dug there as shown in Figs. 25 and 26. The bedrock is made up of chlorite-biotite schist that is locally intersected by quartz veinlets up to a few cm thick. We took several discontinuous channel and/or chip samples from them and the assays from TFC 2 and 3 returned anomalous gold ranging from 45.6 to 87.3 ppb. It appears that gold associates with non-conformable quartz veinlets in the schist.

5.2.2. Minnie Bell Creek

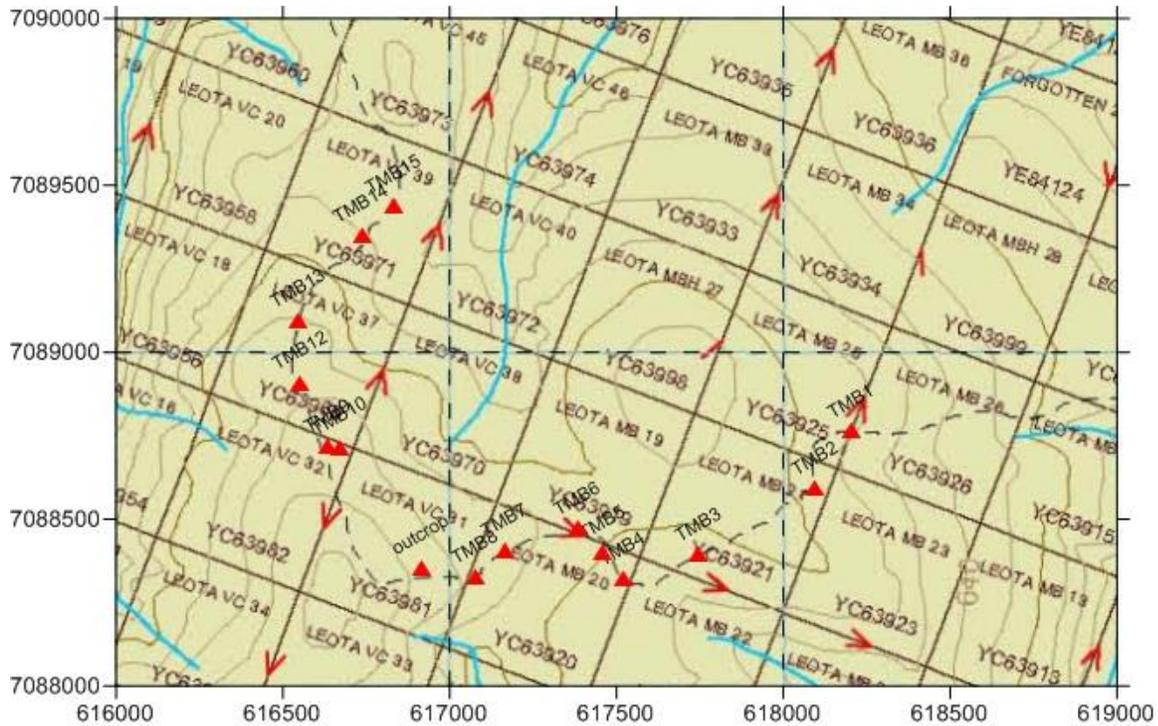


Fig. 27: Minnie Bell creek area; location of 2015 pits and trenches.

Goldbank's previous soil sampling program detected several gold anomalies in the Minnie Bell Creek area (Molak, 2011, 2012), with the highest values ranging from 166.2 to 463 ppb. These anomalies appear to line up roughly south-southeast to north-northwest and extend for over 500 meters. A small outcrop of chlorite-phlogopite schist was located on the road just north of the 2012 grid and a chip sample of this rock assayed 15.7 ppb gold (Molak, 2012). Trench TMB1 was dug about 200 meters west of that outcrop (Fig. 27) and one sample assayed 13.1 ppb gold (Fig. 28). Here it seems possible that anomalous gold associates with unconformable quartz veinlets cutting across the main foliation in the chlorite-phlogopite schist in a setting similar to Flat Creek.

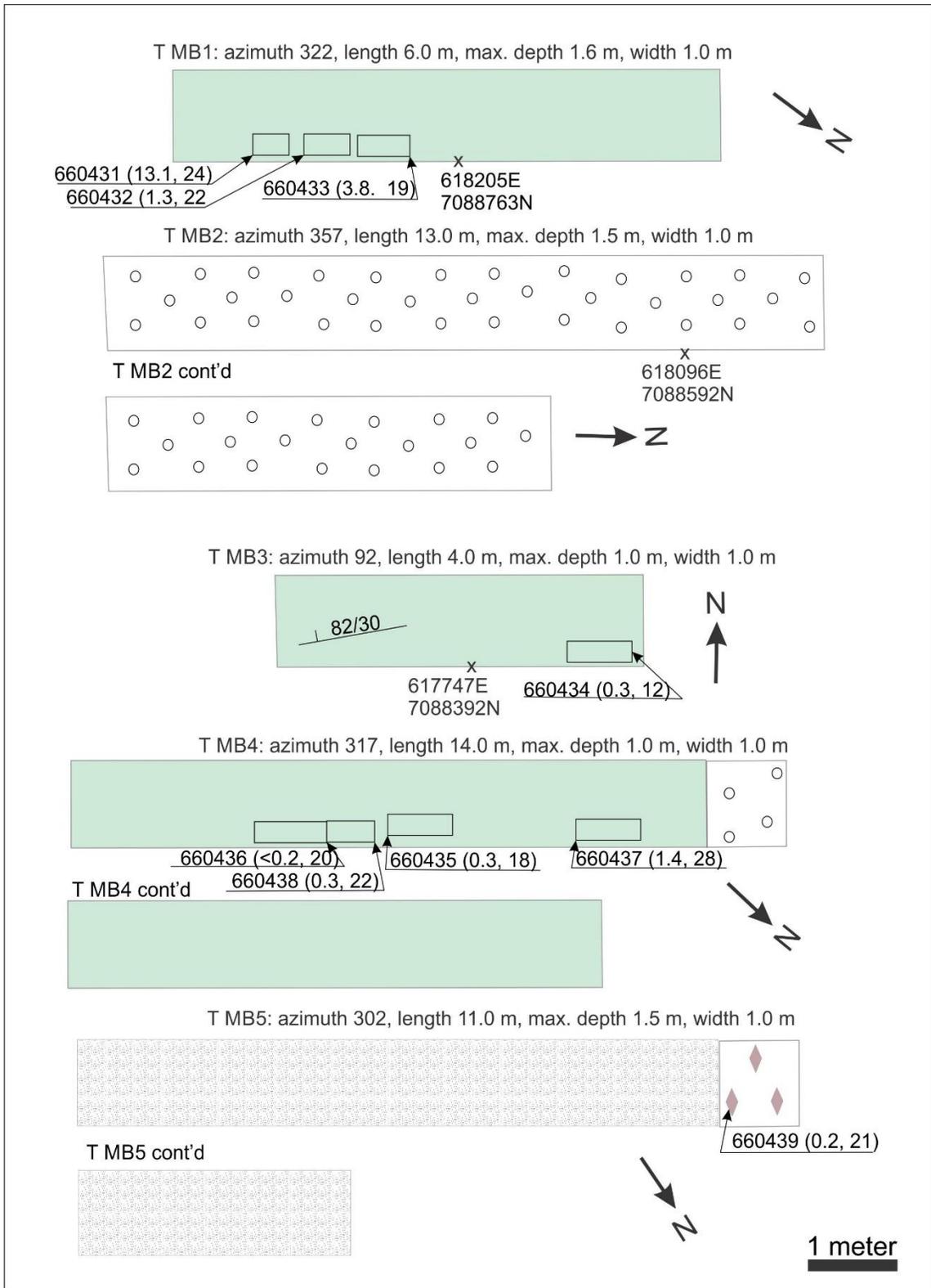


Fig. 28: Trenches TMB1 – TMB5 with sample locations (gold, silver values in brackets).

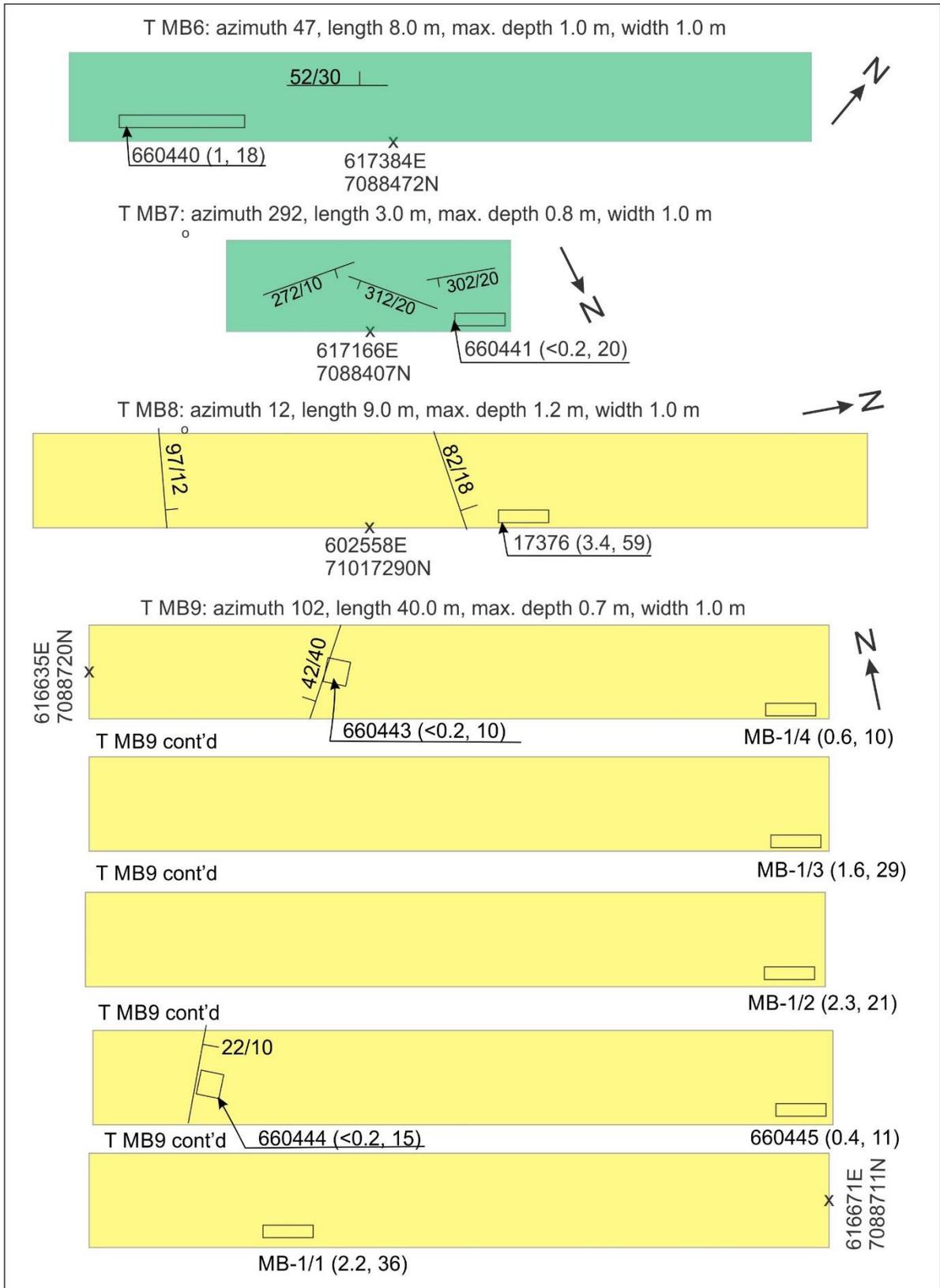


Fig. 29: Trenches TMB6 to TMB9 with sample locations (gold, silver values in brackets).

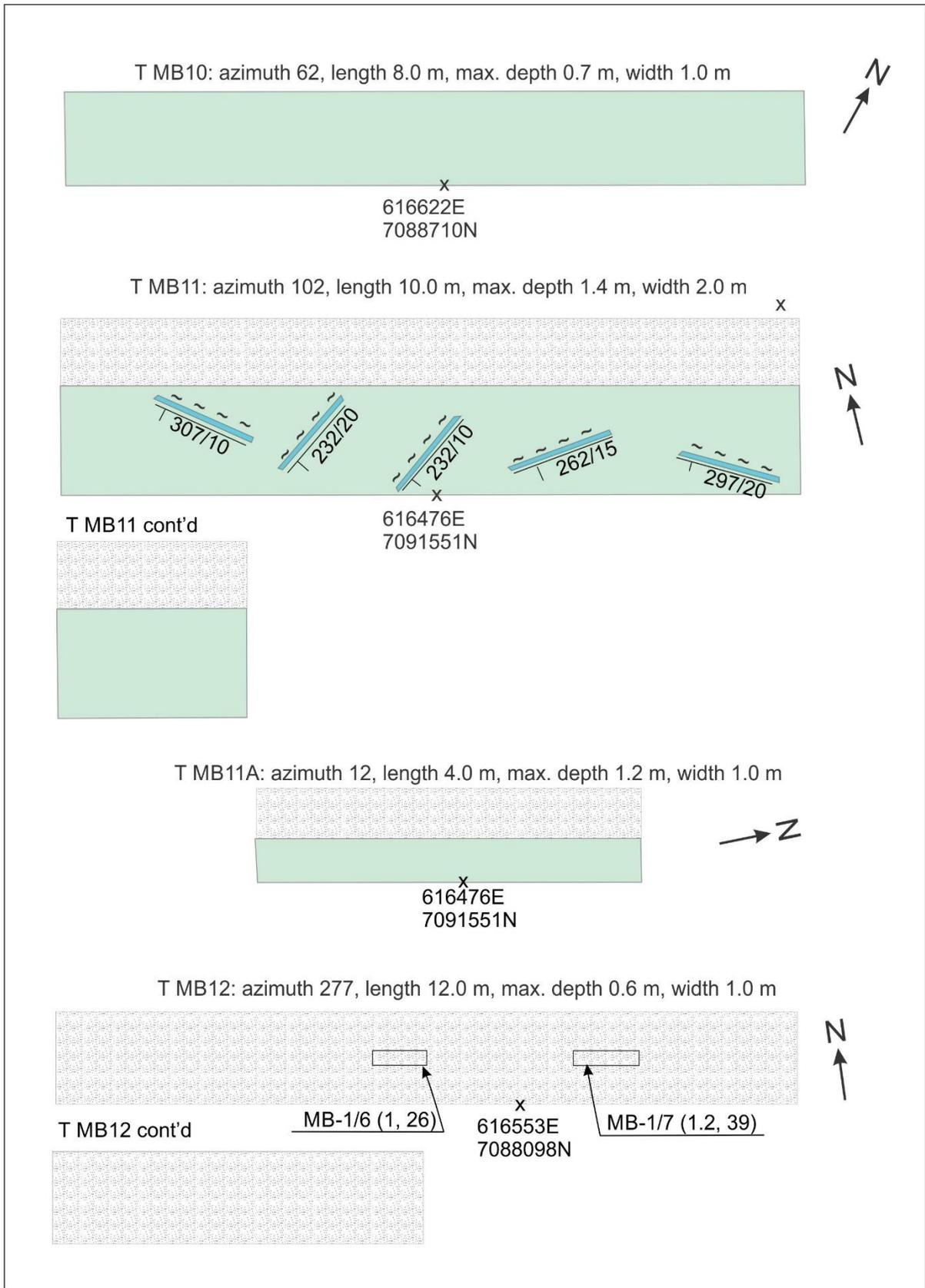


Fig. 30: trenches TMB10 - TMB12 with sample locations (gold, silver values in bractets).

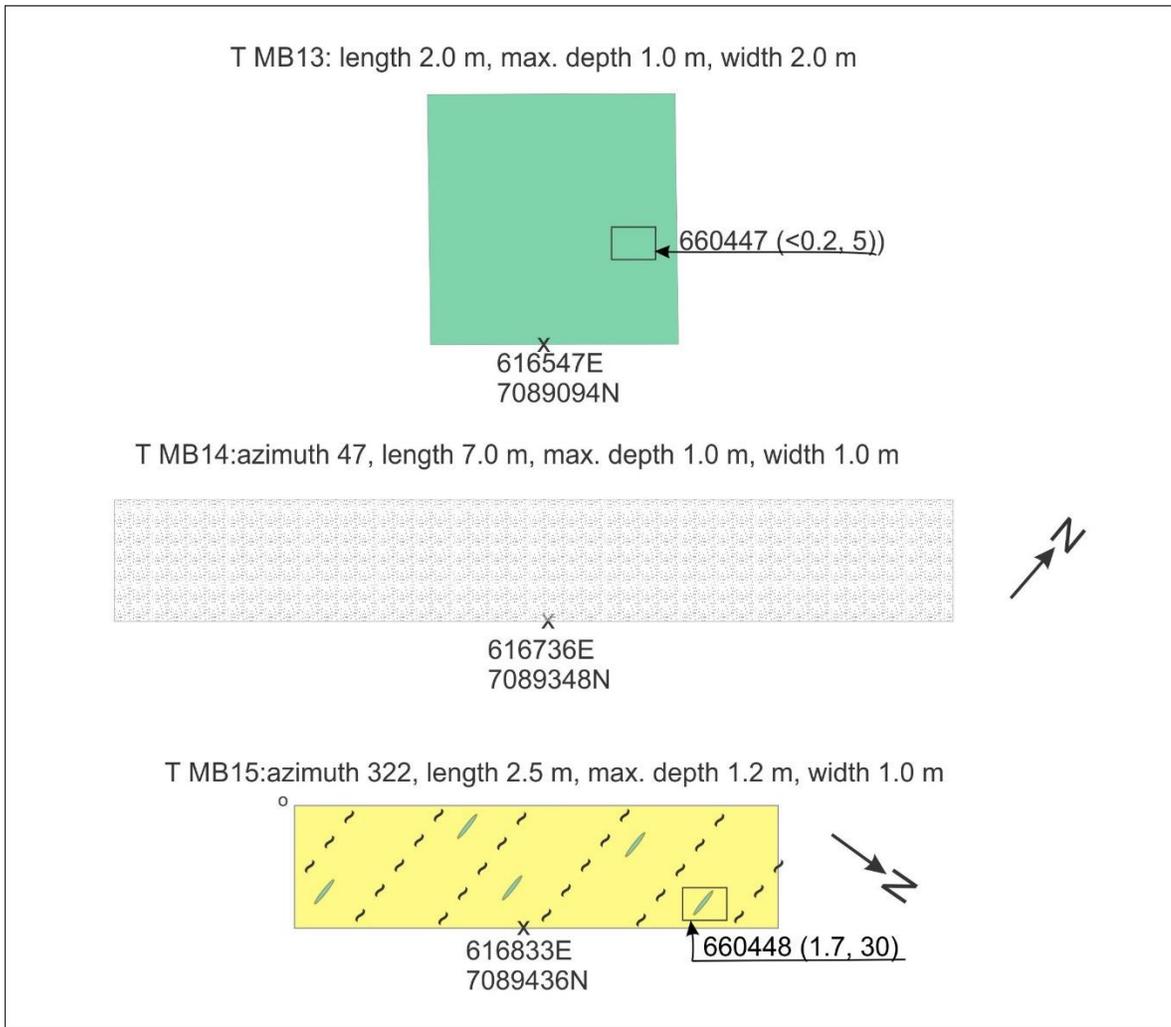


Fig. 31: Trenches TMB13-TMB15 with sample locations (gold, silver values in brackets).

5.2.3. Hunker Summit

Goldbank explored the western portion of the ridge branching off the Hunker Summit (Fig. 32) in 2015 by excavating ten pits/trenches as shown in Fig. 33. All excavations exposed mica schist with conformable, lentiform quartz bands and lenses and chip samples returned very low gold (maximum 1.3 ppb), low silver (as much as 198 ppb) and low base metal values (Figs. 34, 35).

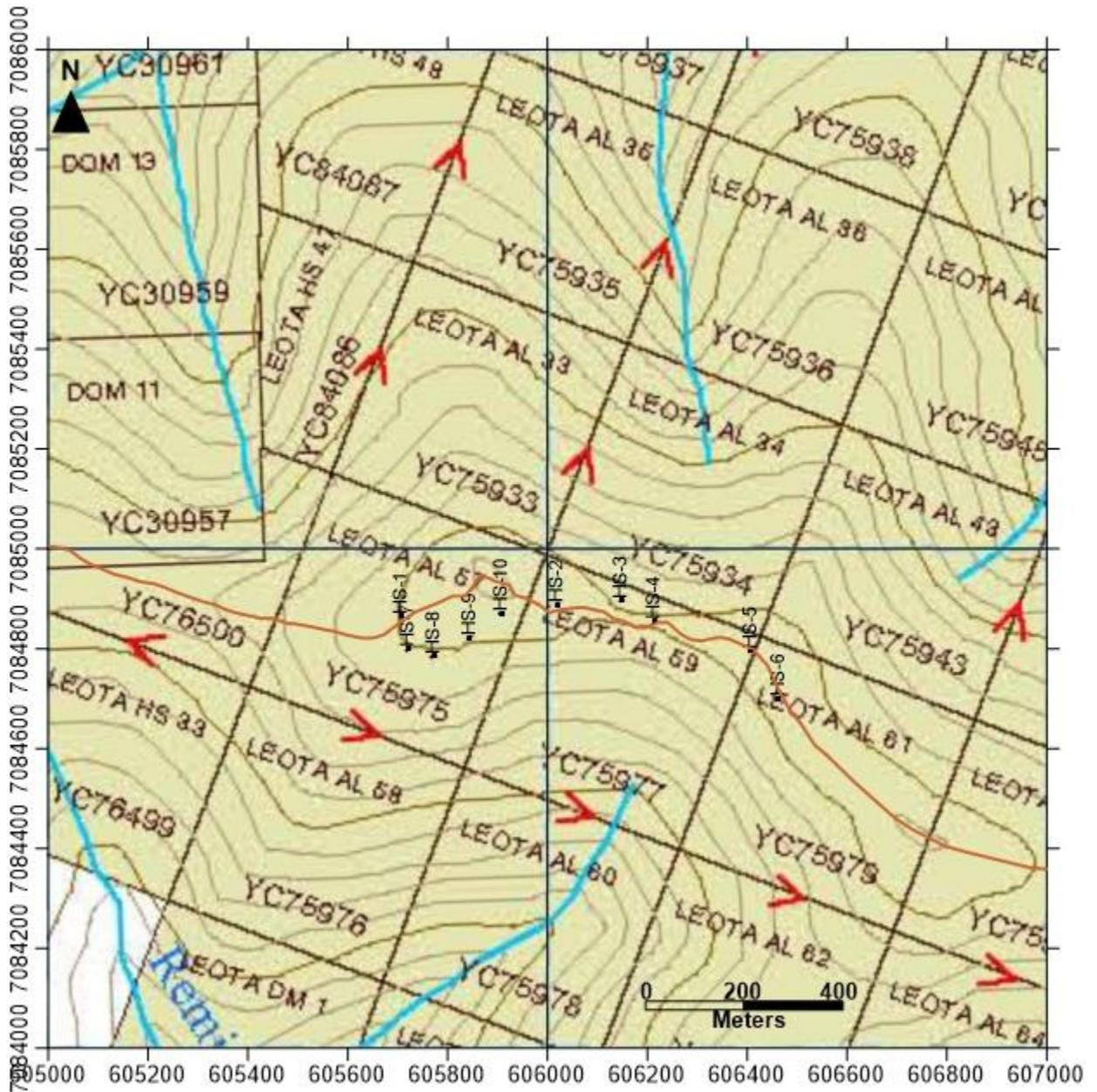


Fig. 32: Hunker Summit, location of pits/trenches.

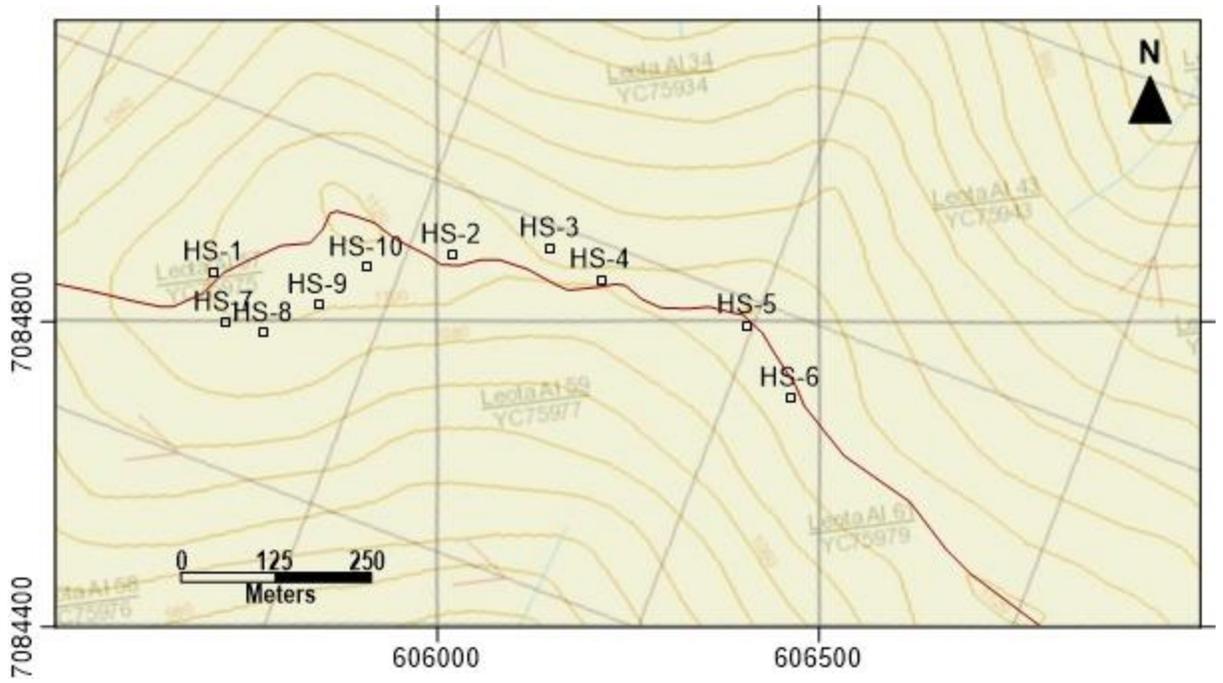


Fig. 33: Hunker Summit, location of pits/trenches.

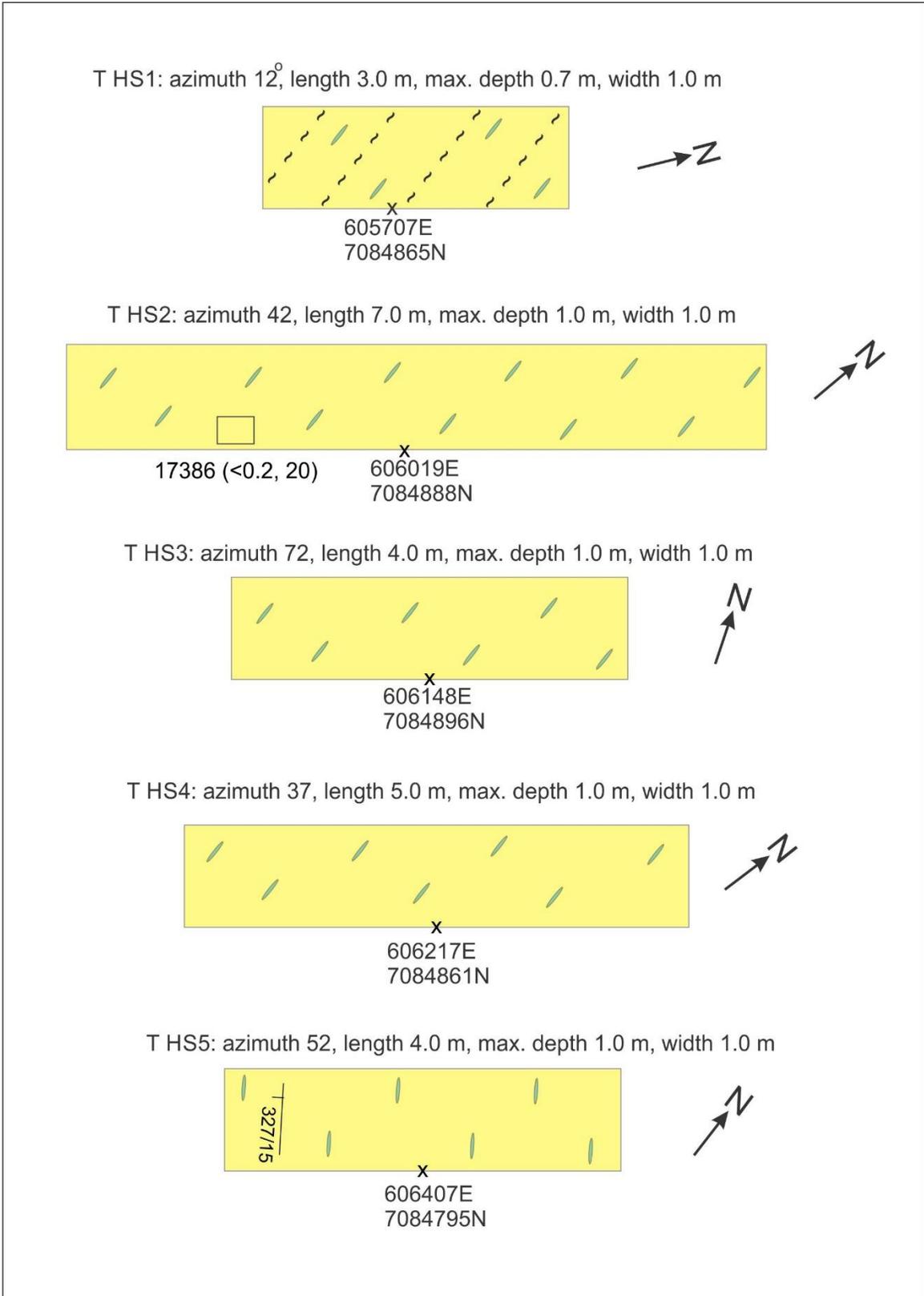


Fig. 34: Trenches THS1-THS5.

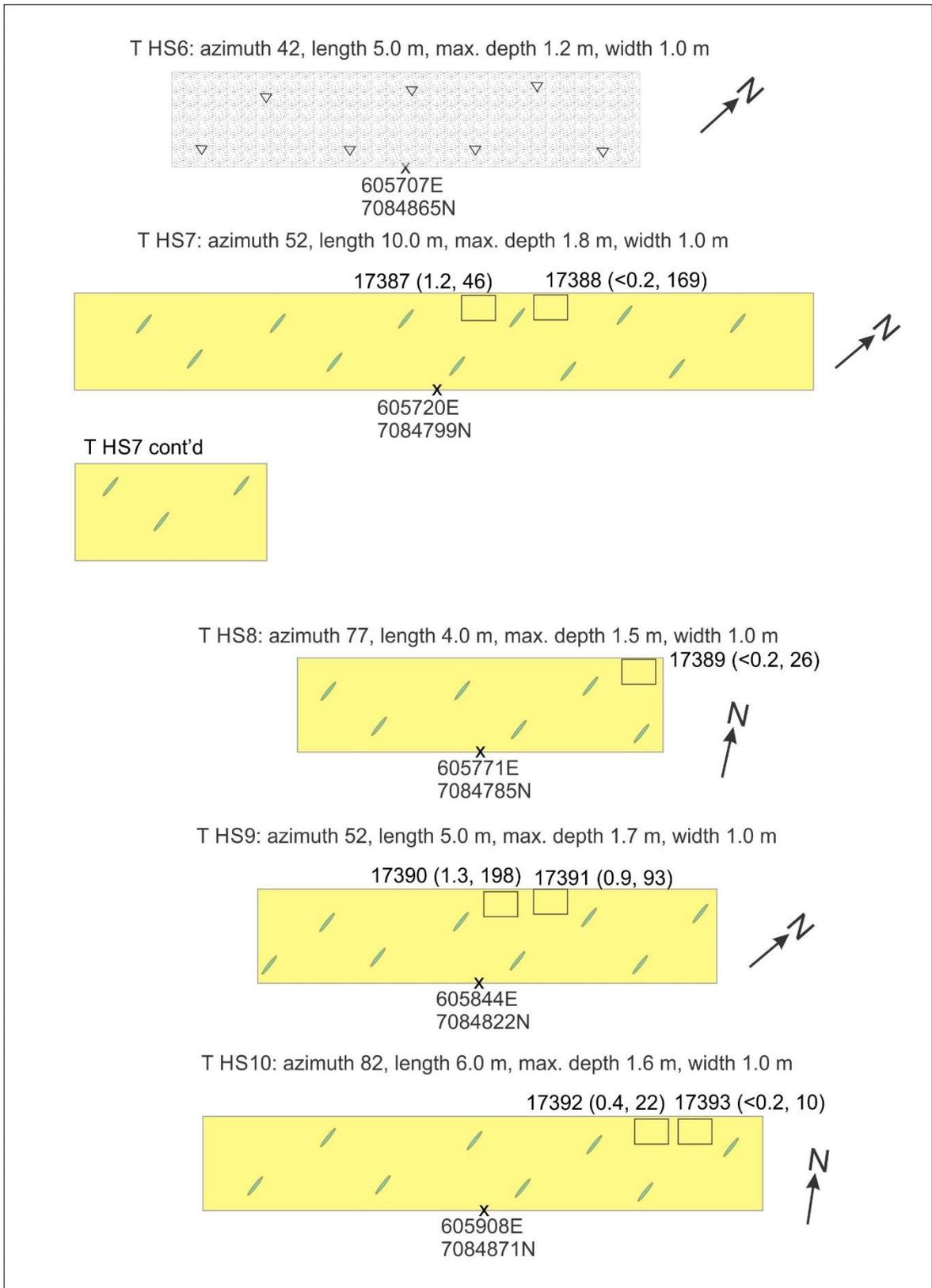


Fig. 35: Trenches THS6 to THS10.

5.2.4. Goring Creek

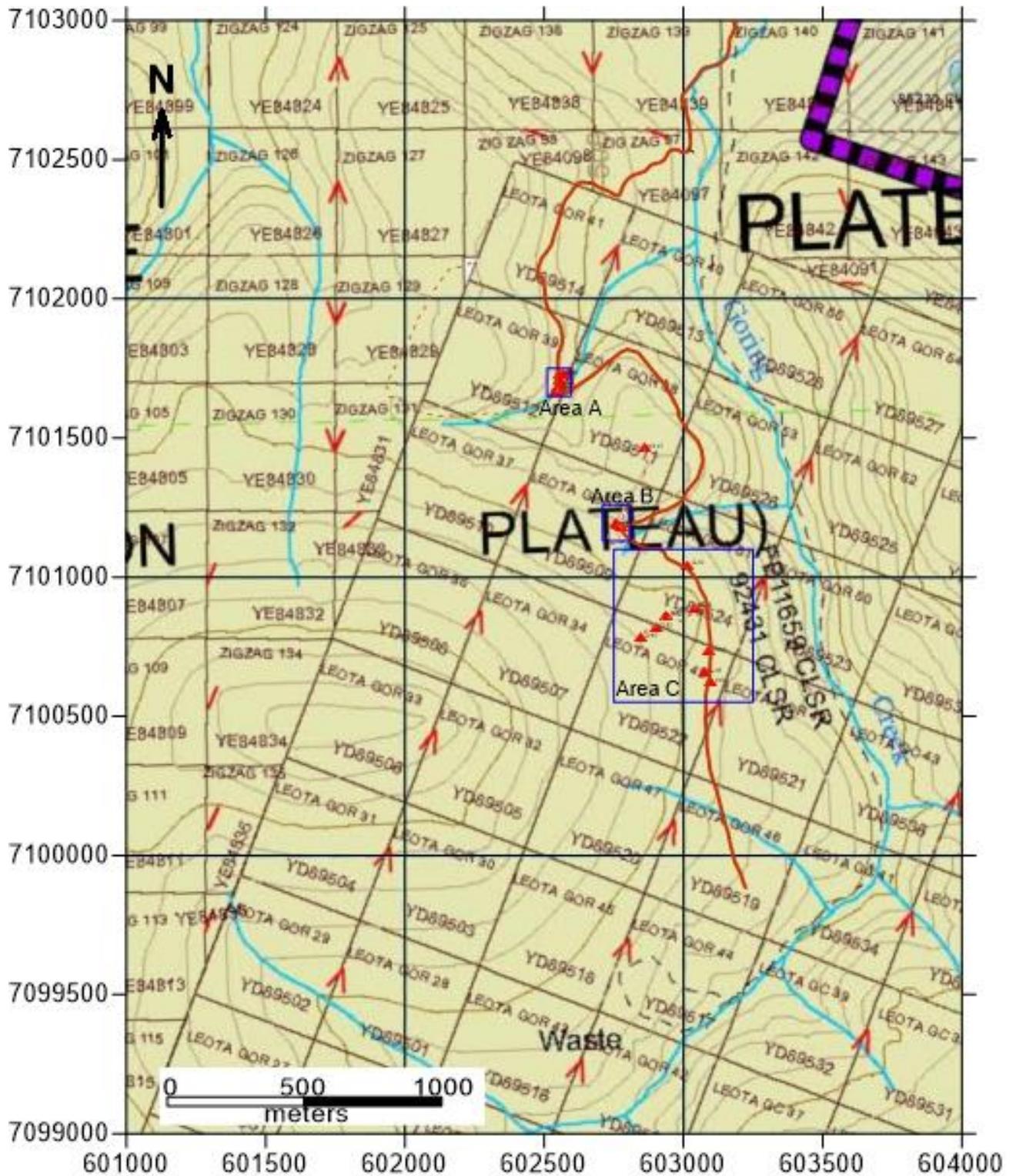


Fig. 36: Goring creek area, pit and trench locations in areas A, B and C.

Pitting/trenching at Goring Creek targeted the bedrock that is buried below a thick layer of gravel reaching as high as 120 meters above the creek level. This gravel however is cut into by small western tributaries of Goring Creek in areas A and B (Figs. 36 and 37), thus exposing the bedrock that is comprised mainly of alternating, smoothly south/southeast dipping, decomposed, vari-colored chlorite-mica schist with scarce quartz bands and lenses conformable with the main foliation. Commonly, the rock is decomposed into a soily material, which we collected as continuous channel samples and submitted for the assays together with other soils. Two samples G-1/1 to G-1/8 of such material from G-5 and G-7 (Figs. 41, 42) returned 60.5 ppb and 27.3 ppb gold and 961 ppb vs 522 ppb silver, respectively.

Higher up, the gravel bench wedges out near G-11 (Area C, Fig. 39) and Goldbank dug six more trenches there (G-11 to G16) into more or less decomposed bedrock. A 1 m long discontinuous channel into decomposed schist from G16 returned 51.2 ppb gold (Fig. 43). Anomalous gold and silver values in decomposed host rocks probably indicate the presence of unconformable quartz veinlets associated with precious metals.

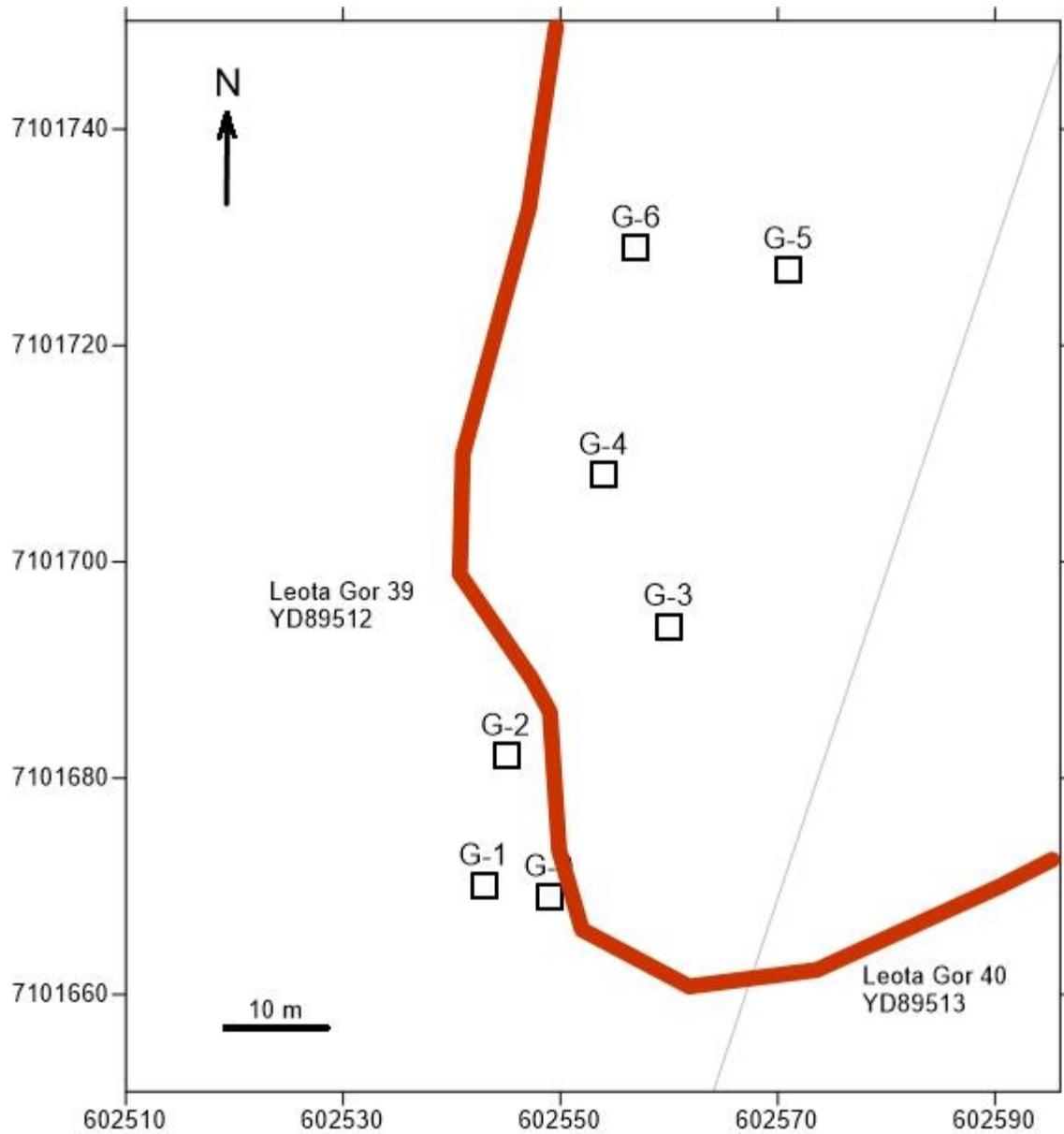


Fig. 37: Goring creek claims, detail map of area A with pit/trench locations.

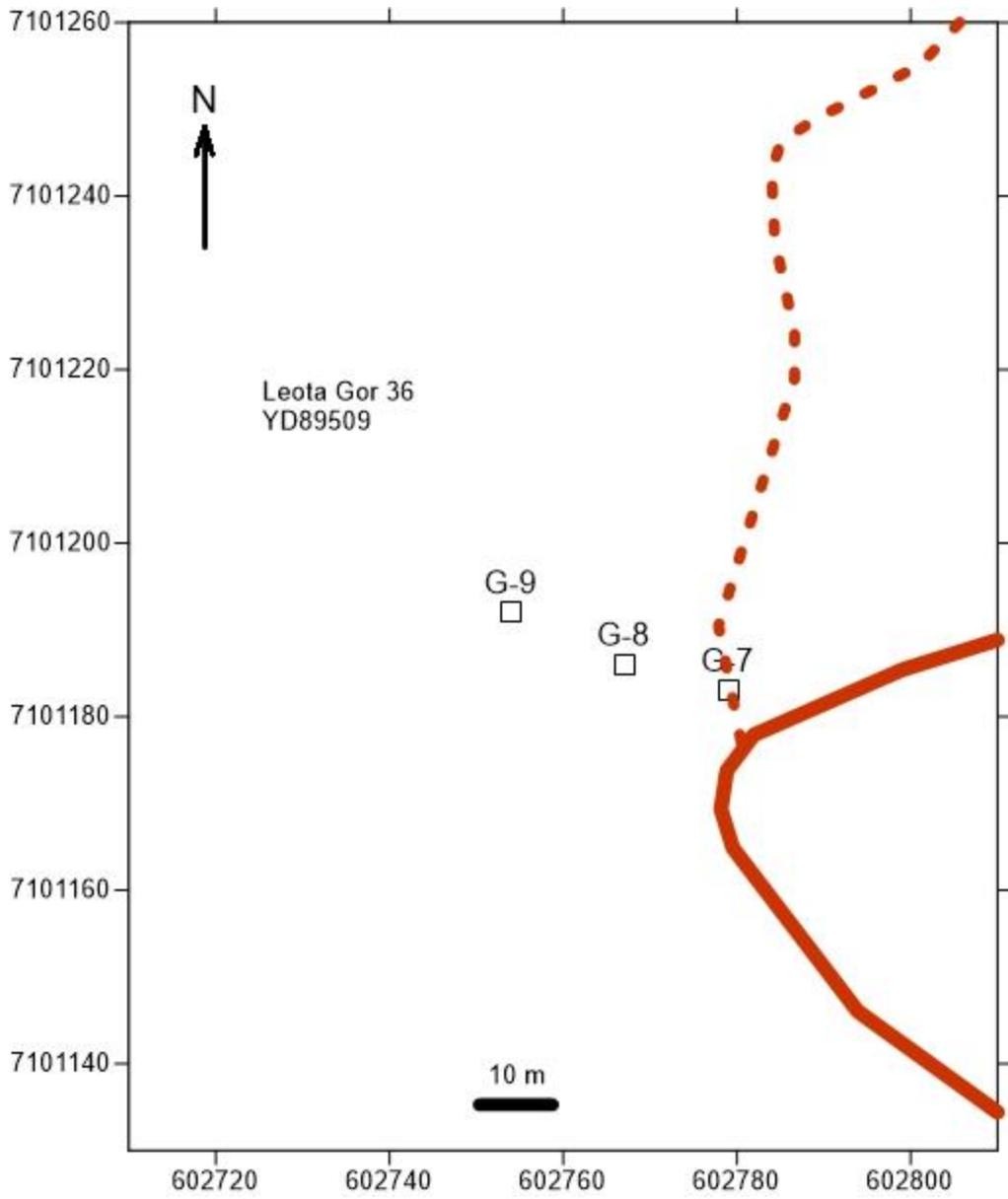
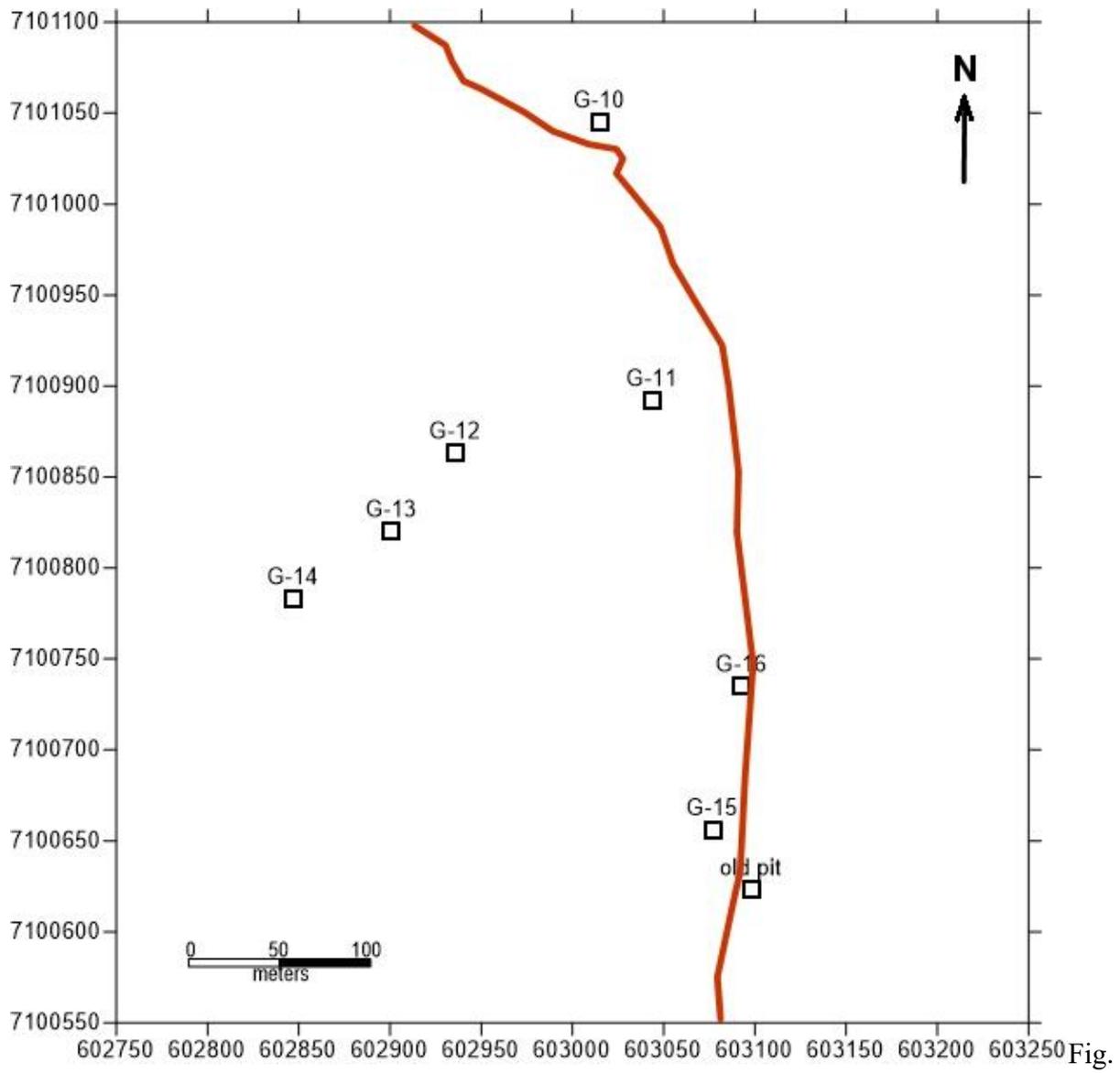


Fig. 38: Goring creek claims, detail map of area B with pit/trench locations.



39: Goring creek claims, detail map of area C with pit/trench locations.

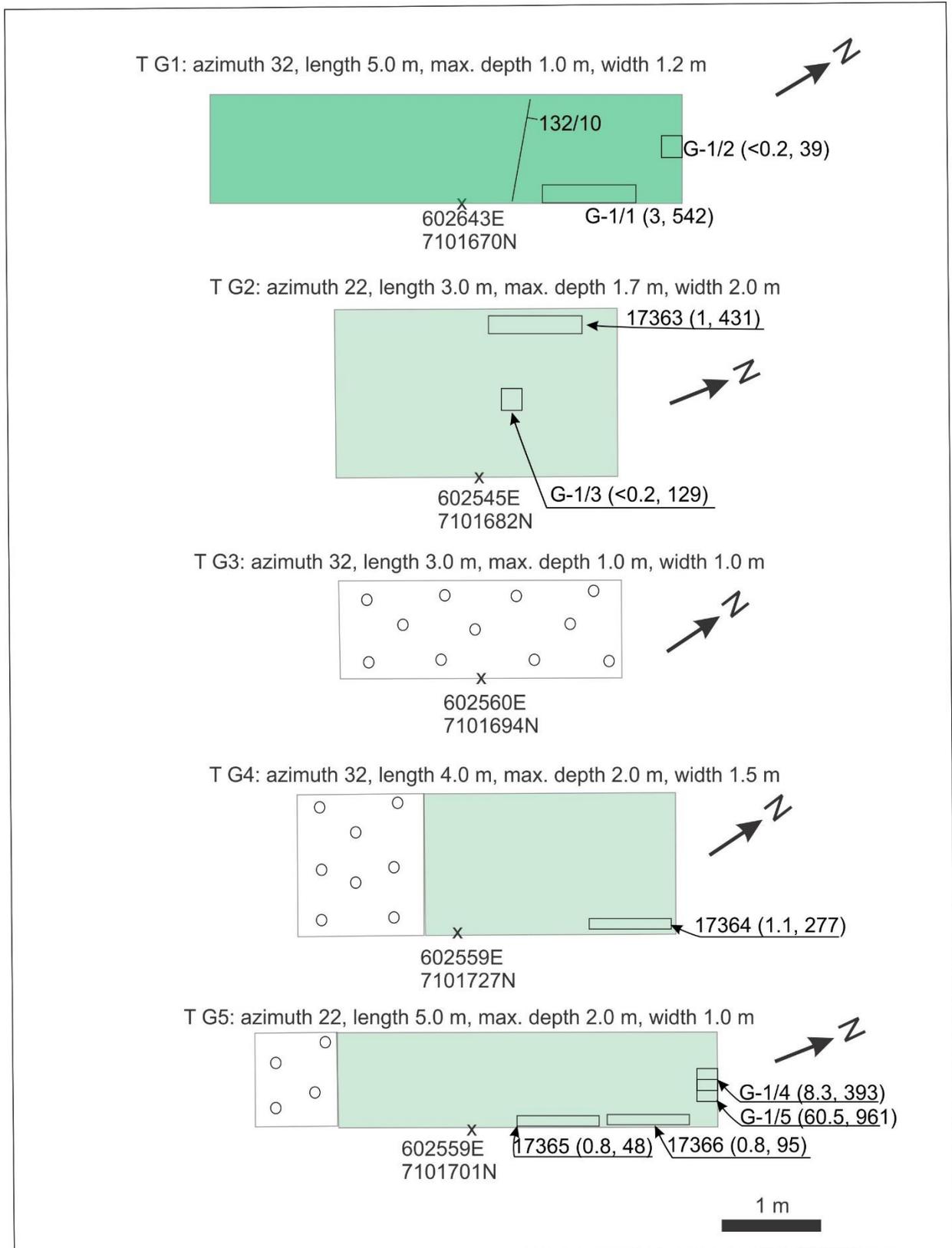


Fig. 40: Pits/trenches in area A with sample locations (gold, silver values in ppb) in brackets).

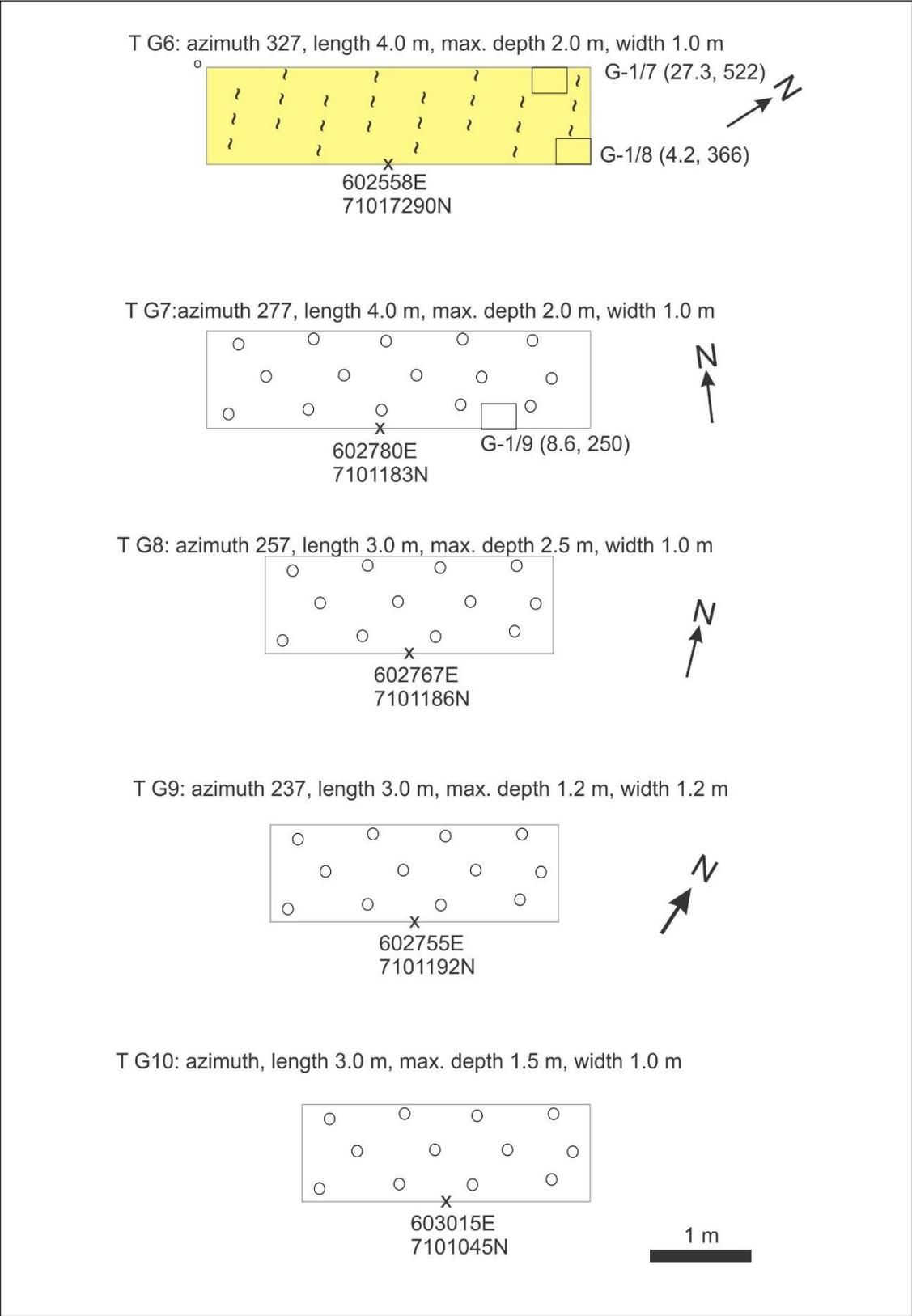


Fig. 41: Pits/trenches in area B with sample locations.

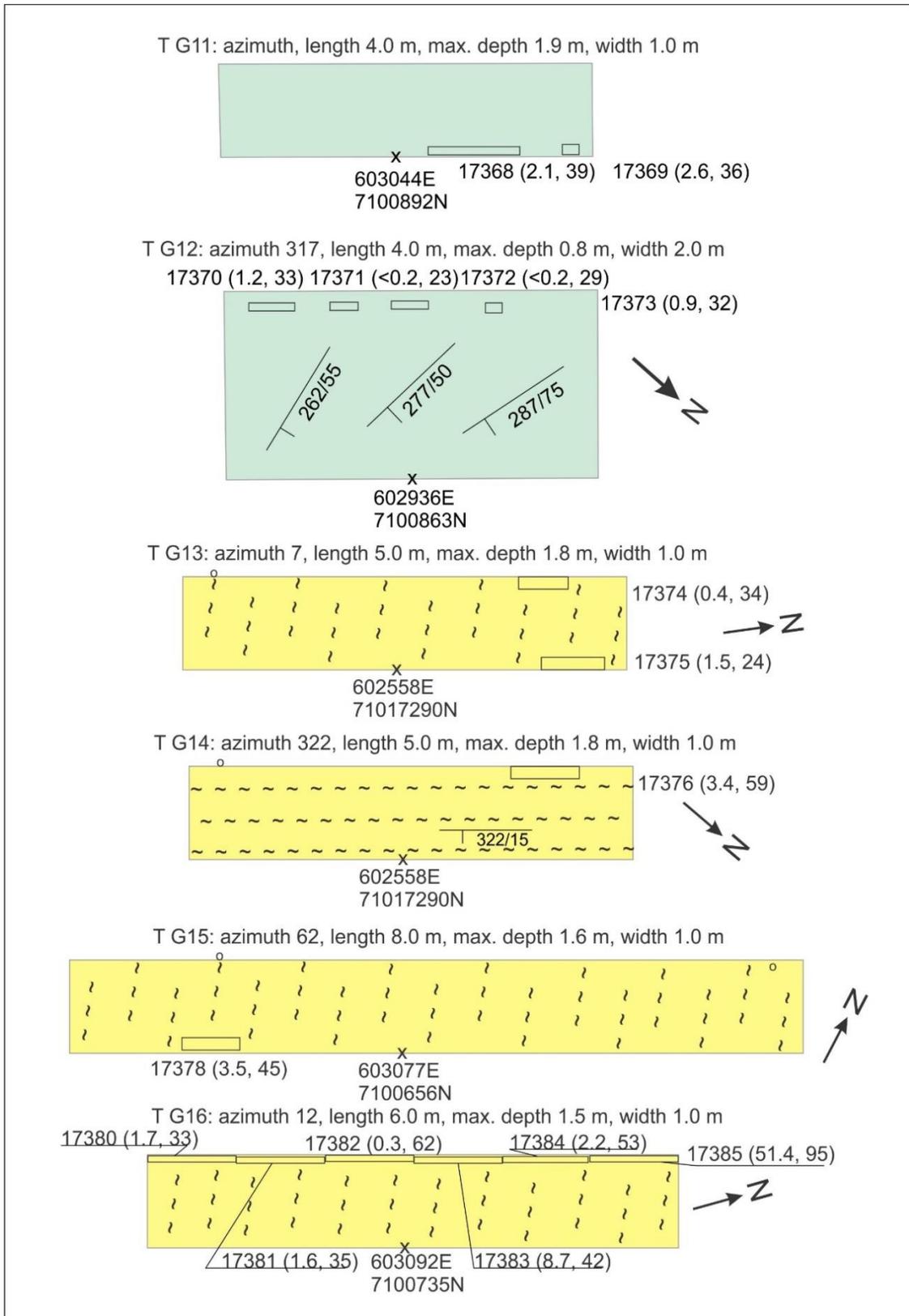


Fig. 42: Pits/trenches in area C with sample locations (gold, silver (in ppb) in brackets).

LEGEND

	Soil
	Gravel
	Micaceous, bi-micaceous, quartz ± feldspar schist
	Muscovitic (sericitic) - chloritic schist
	Chloritic ± biotitic schist
	Quartz vein, band or lense
	Black shale/schist
	Shearing
	Foliation
	Carbonaceous ("graphitic") schist fragments
	Steatitization
	Serpentinite
	Rock fragments

Fig. 43: Legend to figures.

5.3. Geological mapping and evaluation

5.3.1. Six Below Pup

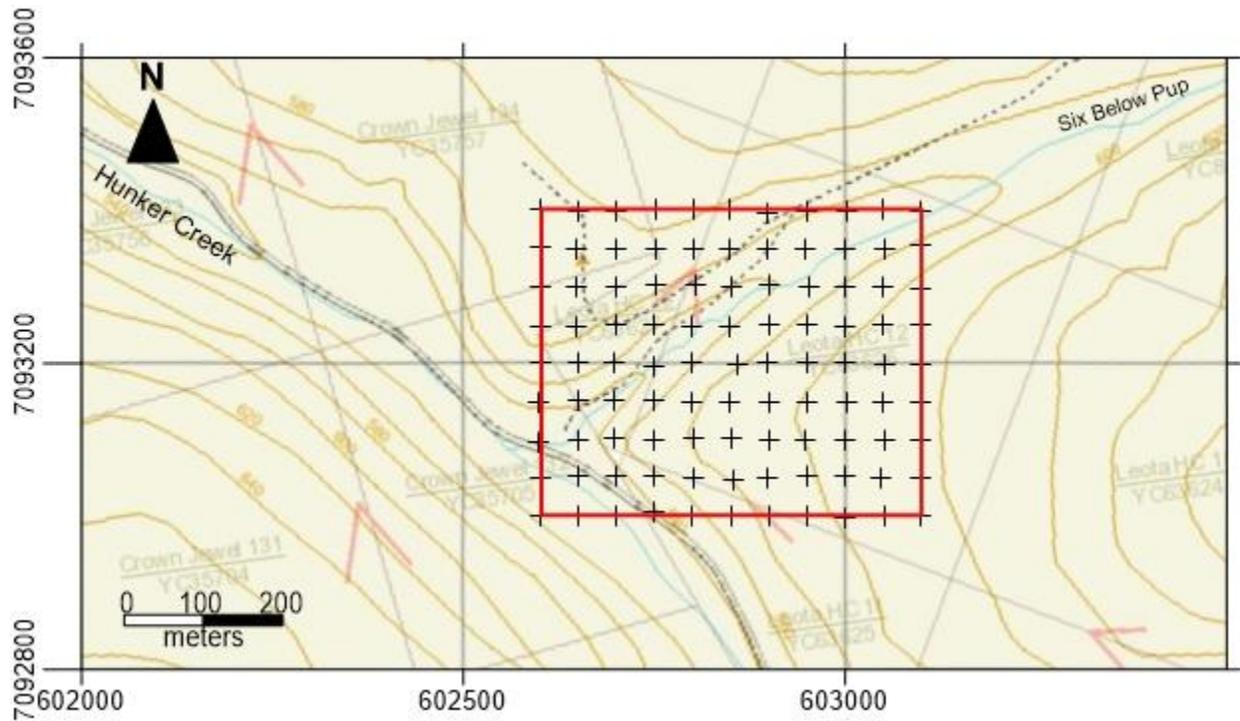


Fig. 44: Six Below Pup creek, mapping and evaluation grid.

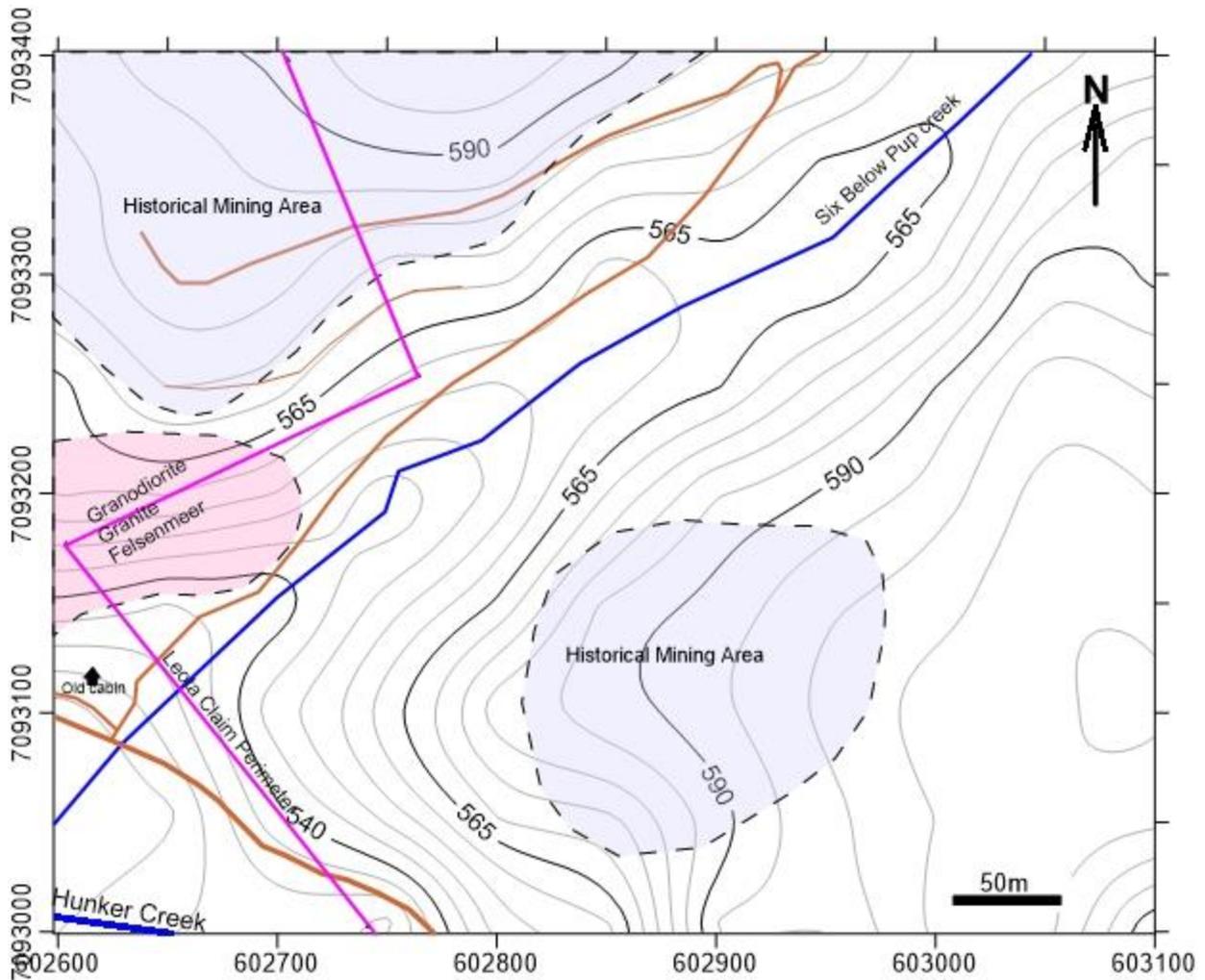


Fig. 45: Six Below Pup creek, geological map; (pink – granodiorite; white – mica-quartz schist (Metaclastic Unit) and ortho-gneiss).

Geological mapping and evaluation of the lower courses of Six Below Pup creek was made to obtain a better picture of the bedrock that was exposed by mining the upper terrace gravel bench several decades ago. The area is floored by biotite ortho-gneiss, muscovite and bi-mica schists, which are locally affected by shearing. The main foliation is sub-horizontal to gently dipping north or south. A granitoid plug up to 100 meters in diameter occurs in the western part of the mapped area (Fig. 45). Mortensen (1996) reports a K-Ar age (determined on hornblende) 63.6 ± 3.8 Ma for this igneous rock, which ranges from coarse granodiorite to medium grained granite and may be part of a tectonic *mélange* or an intrusion, although no obvious contact aureole was observed, unless it be the ortho-gneiss in its surroundings. Rare green and/or black enclaves up to 5 cm across were observed in granitoid and it is yet to be ascertained if they are chloritic

schists and/or black schists of local origin. Granitoid also locally contains pyrite disseminations and beige-colored K-feldspar veinlets with pyrite. Goldbank's 2013 soil sampling in this area detected a gold anomaly about 100 meters long that follows the easting line 602900 and extends from 7093000 to 7093100 northing. This anomaly should be re-examined by fill-in lines to obtain more information on its source.

5.3.2. ANO claims

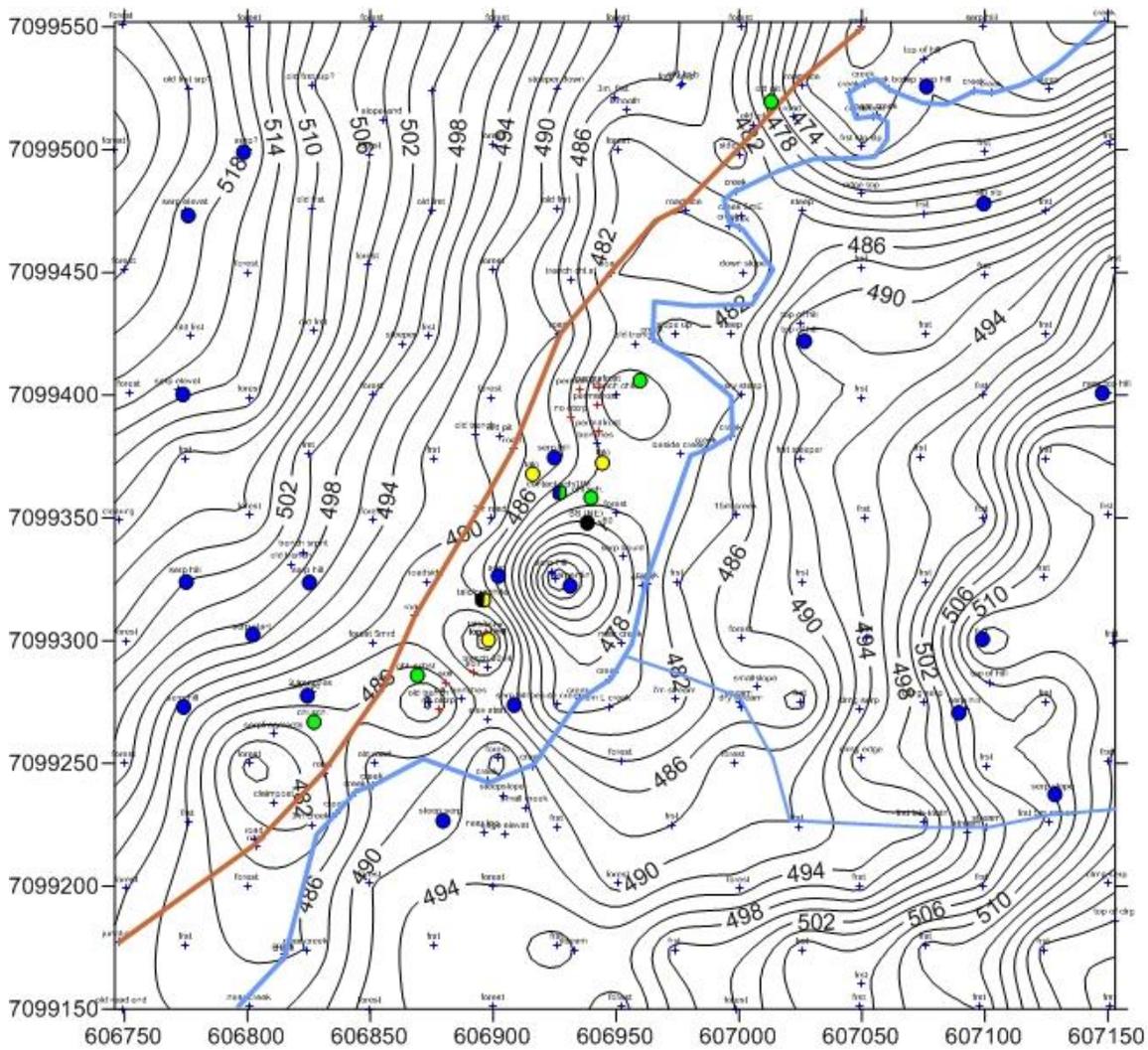


Fig. 46: ANO claims, mapping and evaluation grid.

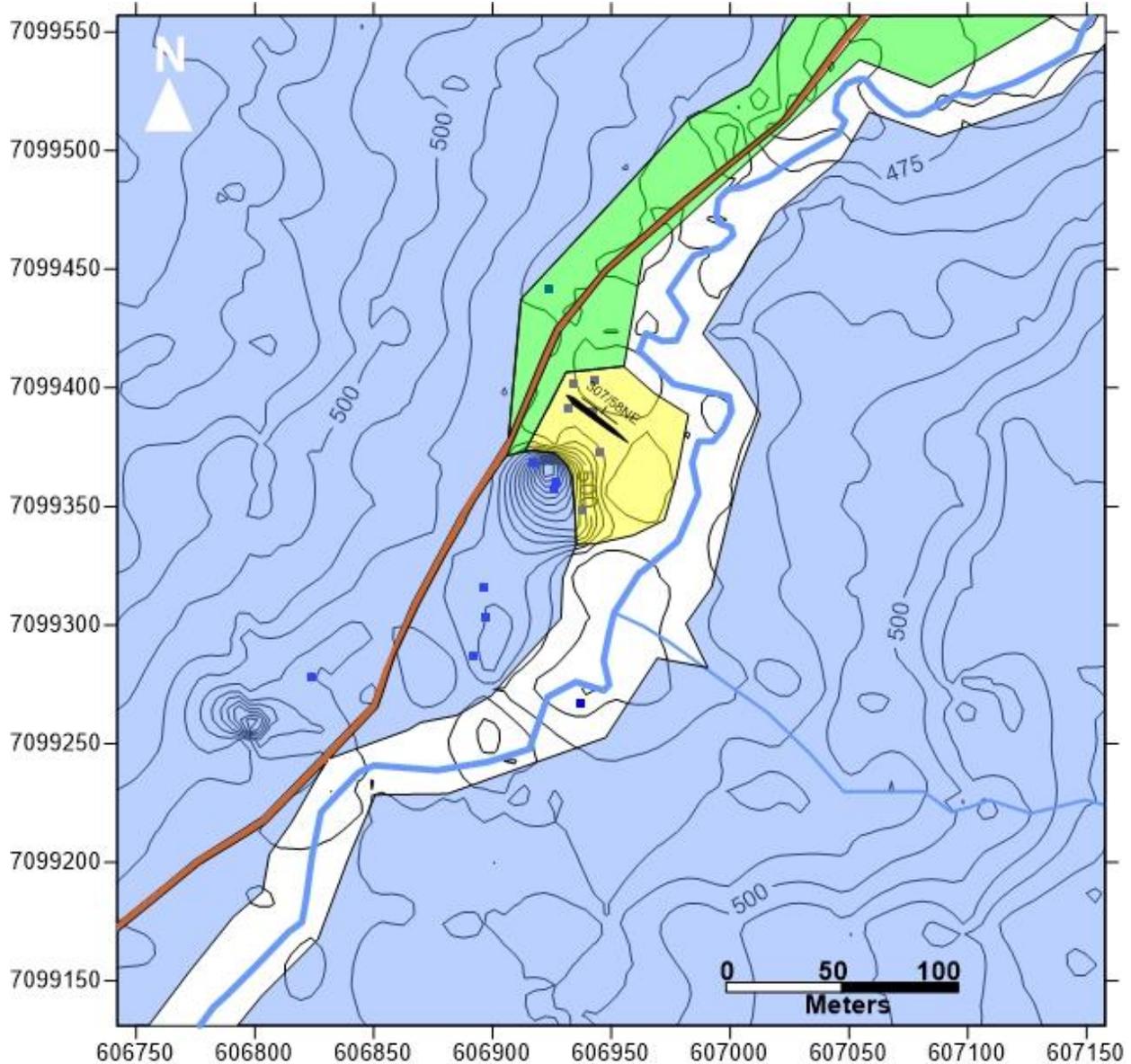


Fig. 47: ANO claims, geological map (blue – serpentinite, green – chloritic schist, yellow – steatitization; black - graphitic schist; white – alluvium).

One of the reasons for mapping and evaluating this area was its rock inventory that makes it suitable for testing the California model of gold mineralization. The area is floored by variously altered serpentinite and lesser chloritic and graphitic schists, the former being part of the Anvil Assemblage and the latter are part of Nasina Assemblage.

The maps in Figs 46 and 47 are based on traversing the area at regular intervals with a GPS unit and recording the waypoint with altitudes, drainages, access road, rock outcrops, old workings,

etc. A database was compiled and fed into Surfer 12 software, which produced a contour map by kriging and lithological observations were superimposed onto it. The resulting geological map is in Fig. 47. As shown, most of the area is floored by serpentinite and its alteration (steatitization) products and lesser chloritic and graphitic schist. This is in contrast with Mortensen's compilation map (1996), showing the mapped area is floored entirely by Nasina Assemblage.

Since the outlines of the serpentinite bodies on the official geological maps including the Klondike District used to be inferred from the airborne magnetic surveys, here we have an example of a serpentinite body that escaped noticing and plotting, apparently because it has no magnetic signature in the aeromagnetic record. Lack of magnetic response in this case can be attributed to alteration processes, which resulted in disappearance of magnetite as the main cause of magnetism.

Altered ophiolite body shown by yellow color in the geological map (Fig. 47) forms a conspicuous elevation at the valley bottom in the centre of the map. The rocks making up the elevation may be a result of a large landslide that occurred in the geological past and the base of the landslide could have been the steatitized serpentinite, talcose and graphitic rocks with northeastern dips.

In 2014 Goldbank dug seventeen pits and trenches into altered serpentinite, chloritic, talcose and graphitic schists in this area (Molak, 2014) and 24 rock samples were submitted for analysis. The assays however returned most gold values being below detection limit or barely above it. Silver fared a bit higher, especially in talcose varieties with graphite stains, which assayed as much as hundreds of ppbs (maximum 533 ppb). Less altered serpentinites and chloritic schists also assayed very low gold.

6. SAMPLE PREPARATION AND ANALYSIS

Bureau Veritas Laboratories (BVL) conducts sample preparation and analyses in accordance with generally accepted analytical laboratory principles and practices. The samples are prepared by drying at 60° C and sieving 100g to -80 mesh (code SS80) and the analyses are performed on

a 30 g pulp using Aqua Regia digestion and Ultratrace ICP-MS analysis (code 1F06) for 53 elements. The assay certificates and the analytical QA check-ups from BVL are attached at the back of this report (Appendix II). Descriptive statistics and correlations for soil assays were made for each area separately using Excel's Data Analysis (Tables 1 to 6).

7. QUALITY ASSURANCE

BVL Quality Assurance (QA) program includes repeat, standard and blank analyses for soil samples and pulp duplicates, preparation duplicates, standards and blanks for rock samples. The soil originals from Alexander Creek in samples 142, 245, 277, 309, 341, 373, 398, 436 and 452 are compared with their repeats and the standards OXC129, DS10 and DS11 for gold, silver, copper, lead, zinc and arsenic are presented graphically in Figs. 41 to 51. As shown, most duplicates are compatible with their originals and most standards vary within a few percent. Most notable discrepancies for soil samples from Alexander, Allgold and Fawcett areas are listed in table below.

Originals vs repeats

Gold (ppb)						Silver (ppb)
Alexander			Fawcett			Allgold
Sample #	142	277	309	89	123	238
Original	1.5	7	0.5	3.5	1.5	36
Repeat	3.4	1	1.5	8.6	0.8	48

Discrepancies in gold can be assigned to nugget effects. Standard OXC129 for arsenic in Fawcett sample set ranges from 0.1 to 0.9. Most blanks for Alexander, Allgold and Fawcett soils assayed below detection limit although a few are above detection limit, e.g. silver as much as 7, copper up to 0.07 and lead up to 0.07 ppm.

The quality assurance for rock samples shows that gold in pulp original 17380 is 2.4 times lower than its duplicate and the pulp original 660447 is three times lower than its duplicate. Gold in preparation duplicate 17383 is only 45 % of its original. Arsenic in standard OXC129

fluctuates between <0.1 and 0.6 ppm, all other elements in standards DS10 and OXC129 fare better and with higher reproducibility.

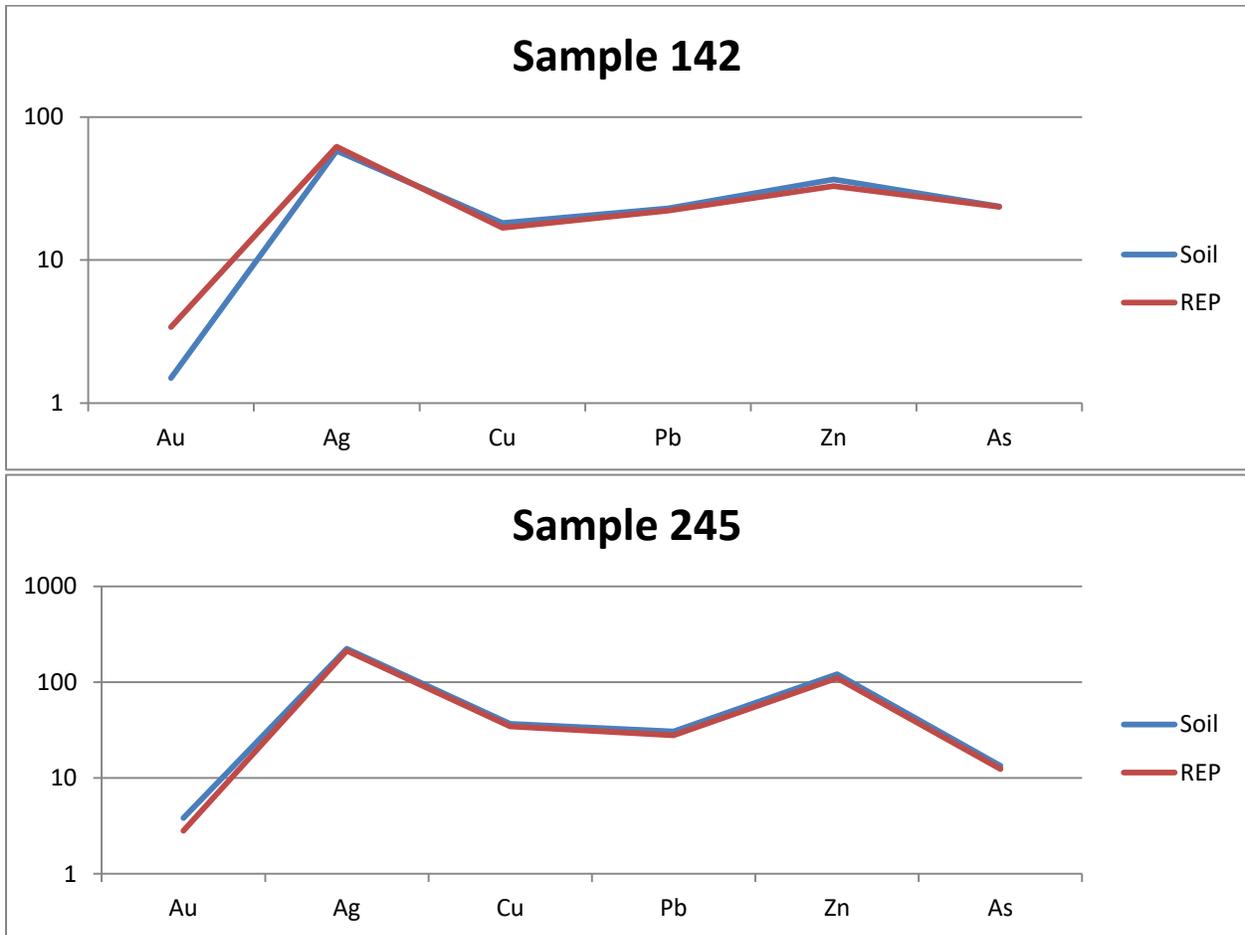


Fig. 48: Original samples 142 and 245 compared to their repeats.

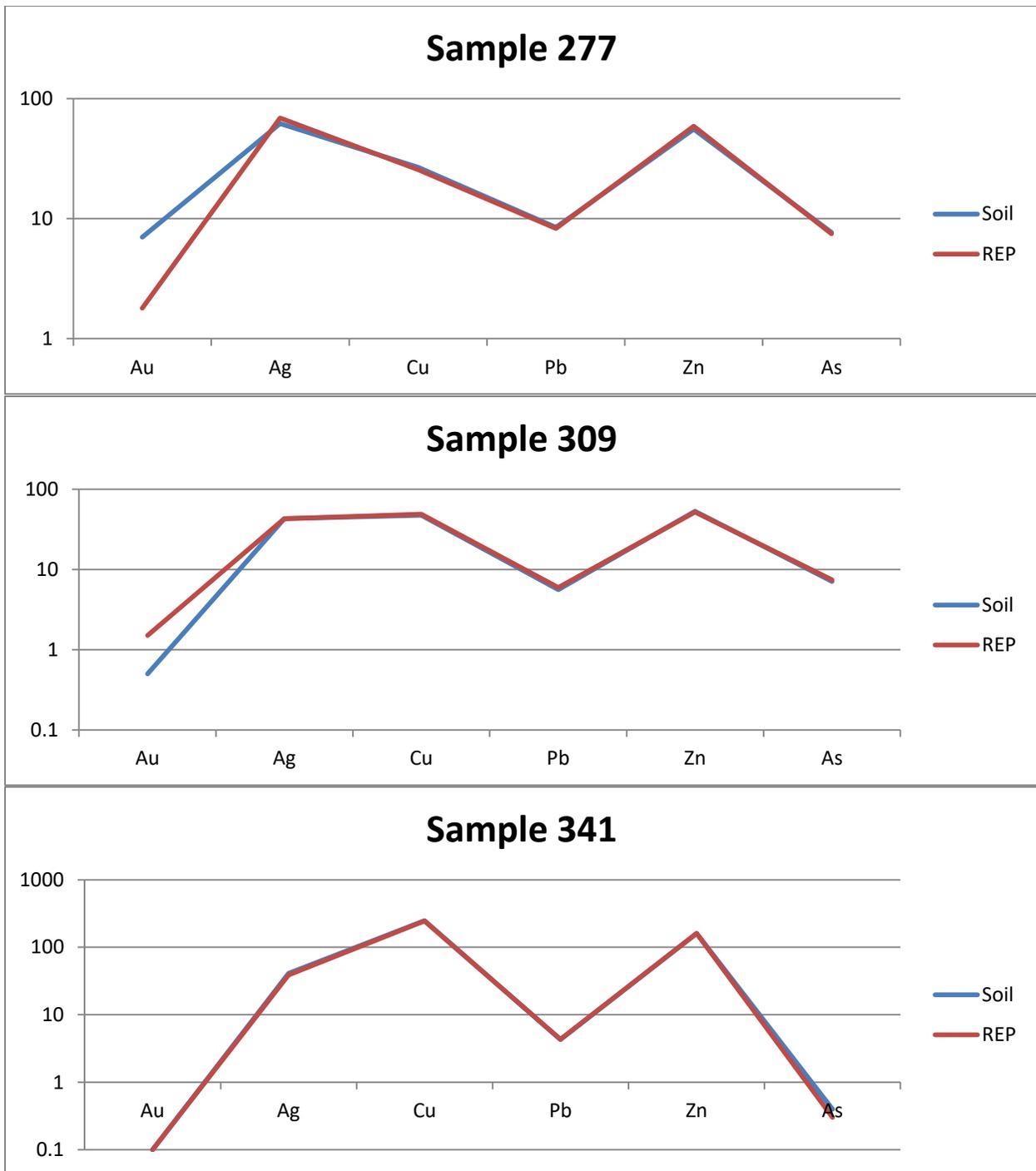


Fig. 49: Original samples 277, 309 and 341 compared to their repeats.

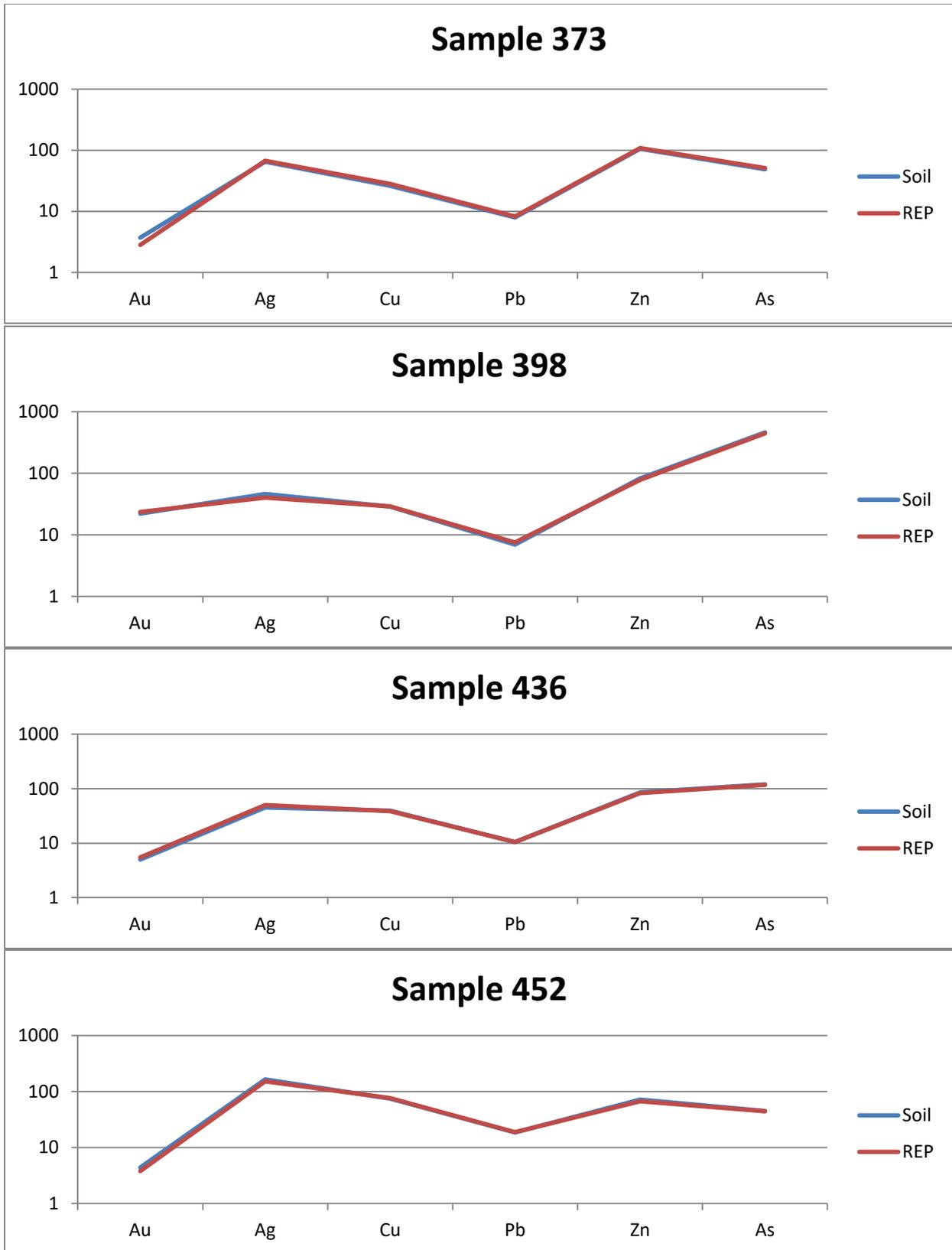


Fig. 50: Original samples 373, 398, 436 and 452 compared to their repeats.

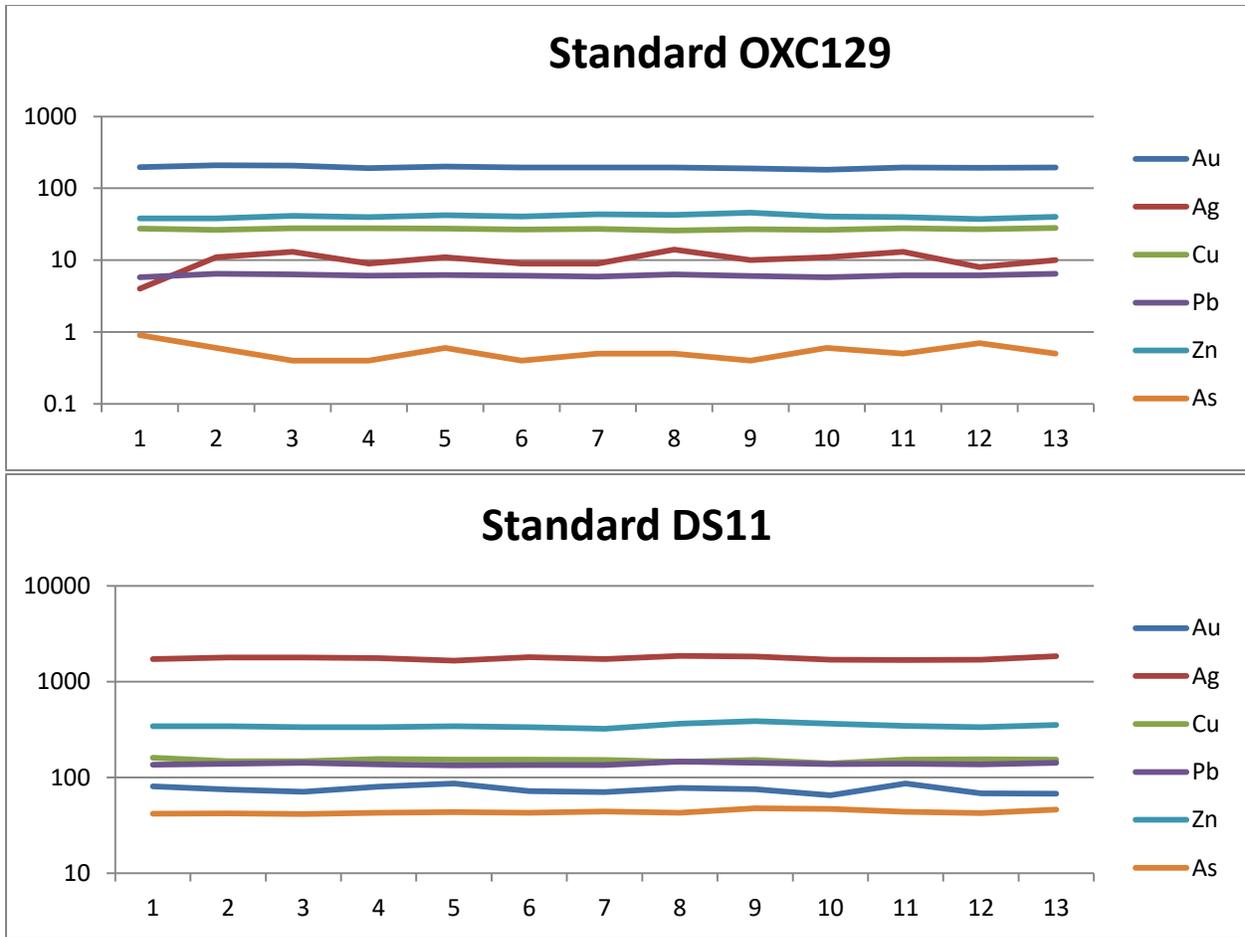


Fig. 51: Precious and base metals and arsenic in standards OXC129 and DS11.

In conclusion we can state that the assays made for the 2015 LCB project by BVL comply with the industry standards and are acceptable for this stage of the project, which is still at its grassroots level of exploration.

8. CONCLUSIONS AND RECOMMENDATIONS

The soil surveys in Alexander and Allgold Creek areas resulted in locating several promising gold anomalies, which deserve further work. Their sources appear to be unconformable quartz veins with various extent and thickness ranging from a few millimeters to several decimeters and rarely meters. The historical Michie and Cheerio zones in Alexander Creek – Allgold confluence area appear to be the most promising targets. We recommend further soil sampling north and east of the 2015 grid to determine the extent of the sources, which appear to be the gold-bearing

quartz veins and their host rocks. Statistic evaluations and correlations indicate strong correlation between gold and arsenic and weaker correlation with silver.

The soil grid at Allgold Creek revealed a small (~100 m long) gold anomaly trending north – south. We propose additional east – west running soil lines to the north to test if the anomaly extends in that direction. Similarly at Fawcett, we propose additional soil sampling north of the completed grid to trace the extensions of the gold anomalies. Correlations indicate an association of the base metal sulphides but gold does not correlate significantly either with silver or with any of the base metals and/or arsenic.

Trenching at Flat Creek indicates that anomalous gold values associate with unconformable quartz veins and veinlets up to a few centimeters thick that are hosted by chlorite-biotite schist. Historical placer mining stopped at this rock, and there is a room for further trenching to find out if this location has a potential for more significant gold mineralization.

Pits and/or trenches in Minnie Bell area revealed a chlorite-phlogopite schist unit emerging from below a gravel bench, which appears to host a swarm of unconformable quartz veinlets in a setting similar to Flat Creek. Anomalous chip samples assayed 13.1 to 15.7 ppb gold and the outcrops line up with Goldbank's 2011 and 2012 soil gold anomalies ranging from 166.2 to 463 ppb, which extend for over 500 meters in north – south direction (Molak, 2011, 2012). It is yet to be ascertained if the gold values in soil reflect the mineralization in the bedrock or are of secondary origin. Additional trenching in that area is recommended.

In conclusion we can state that further work on the LCB is justified and recommended and should include rock and soil sampling in the anomalous areas and mechanical trenching at locations where anomalous gold values were detected.

9. 2015 EXPLORATION EXPENSES

Senior Geologist (35 days x \$ 800) Dr. Bohumil B. Molak, PGeo	28000.00
Assistant (2.5 days x \$275) Andre Pedneault	687.50
Assistant (1 day x \$275) Chris Saams	275.00
Assistant (33 days x \$275) Andrej Molak	9075.00
Assistant (15 days x \$275) Rob Eyolfson	4125.00
Junior Geologist (2 days x \$400) Matthias O'Donnell, BSc.	800.00
Back-hoe operator/pro prospector (24 days x \$350/day) Sylvain Montreuil	8400.00
Back-hoe cost (24 days @ \$750/day)	18000.00
Truck (Mileage, gas) 39 days x \$50/day	1950.00
Truck (Mileage, gas) 24 days x \$50/day	1200.00
ATV (Mileage, gas) 24 days x \$40/day)	960.00
Trailer & Chainsaw rental (3 days x \$30/day)	90.00
Accommodation, food Geo (35 @ \$100/day)	3500.00
Accommodation, food Asst. (2.5 @ \$100/day)	250.00
Accommodation, food (33 @ \$100/day)	3300.00
Accommodation, food (15 @ \$100/day)	1500.00
Accommodation, food (24 @ \$100/day)	2400.00
Assays (416 samples @ \$40/sample)	16640.00
Travel (\$400 Whitehorse-Dawson, roundtrip) Geologist	400.00
Digitization, report (10% of costs)	10155.25
Total:	\$111,707.75

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11. STATEMENT OF QUALIFICATIONS

I, the undersigned Bohumil (Boris) Molak, Ph.D., P.Geo., do hereby certify that:

1. I am a self-employed Professional Geoscientist residing at 312 – 9298 University Crescent, Burnaby, BC., V5A 4X8, Canada.
2. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (License No. 28600) in good standing.
3. I graduated from the Comenius University of Czechoslovakia with a Bachelor of Science (Mgr.) in Economic Geology in 1970. From the same university I obtained in 1980 the degree Master of Science in Economic Geology (RNDr.) and in 1990 the degree Doctor of Philosophy (CSc.). I have practiced my profession continuously since 1970.
4. My geological practice includes research, prospecting, and exploration for precious, base, ferrous and other metals in Slovakia, Zambia, Cuba, Guinea, Canada, Chile and Argentina.
5. Since July 2003 until present I am a self-employed Geoscientist.
6. I conducted the field work and supervised the exploration program on the Leota Claim Block intermittently from July 23 to October 9, 2015.
7. I am responsible for all items, except the item 2015 Exploration Expenses in this report. The sources of all information not based on personal examination are quoted in the References Chapter.
8. As of the date of this Statement I am not aware of any material fact or material change with respect to the subject matter of this report that is not reflected in this report, the omission of which would make the report misleading.
9. I am independent of Goldbank Mining Corp.

Dated at Vancouver, BC, Canada, this 31st day of July, 2019.

APPENDIX 1

Trench Descriptions with Samples and Gold / Silver Assays

Grouping HD03143, Goring Creek area

TG1: 602643/7101670, azimuth: 32°, length 5 m, max. depth 1.0 m, width 1.2 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Crenulated, decomposed chloritic schist, with Cr-mica, mainly in strongly crenulated portions, f- 132/10NE, a fault separates fuchsite-rich portion on the SW side from non-fuchsite chloritic schist on the NE side, where the foliation dips steeply to the NE; a 10-15 cm thick layer of brown clay overlies the Cr-mica schist and pale green-yellow schist is below it; 1 m long discontinuous vertical channel sample (G-1/2).	
1 - 2	G-1/1	Brown clay from top			3.0 / 542
2 - 3			132/10NE		
3 - 4	G-1/2	Decomp scht 1m chnnl			<0.2 / 39
4 - 5					

TG2: 602545/7101682, azimuth: 22°, length 3 m, max. depth 1.7 m, width 2 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Folded, sheared chloritic-sericitic schist, locally with biotite, a quartz lense controlled by a fault.	
1 - 2	17363	Shrd chl bi scht, qtz lns			1 / 431
2 - 3	G-1/3	Soily decomp schist			<0.2 / 129

TG3: 602560/7101694, azimuth: 32°, length 3.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 3				Gravel all, no sample taken	

TG4: 602559/7101701, azimuth: 32°, length 4 m, max. depth 2.0 m, width 1.5 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Gravel, below is a dark, clayey band underlain by green-brown-yellow, decomposed schist	
1 - 2					
2 - 3					
3 - 4	17364	Decomposed schist			1.1 / 277

TG5: 602571/7101727, azimuth: 292°, length 5.0 m, max. depth 2.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	G-1/4	Dark grey clay		Top soil with rounded pebbles, below is a dark grey clayey band (G-1/4), further down is brown decomposed band (G-1/5) underlain by chlorite-sericite schist with cross-cutting thin quartz veinlets, sparse sulphides associate with sericite, brown patches appear to be after oxidized carbonate (ankerite ?).	8.3 / 393
1 - 2	G-1/5	Brown decomp "rock"			60.5 / 961
2 - 3	17365	silicified schist, arsprt			0.8 / 48
3 - 4	17366	Carbonate schist±sulph			0.8 / 95
4 - 5					

TG6: 602558/7101729, azimuth: 327°, length 4 m, max. depth 2.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	G-1/7	Dark-grey 15 cm thick		Decomposed schist into clayey soily matter, two "soil" samples taken .	27.3 / 522
1 - 2	G-1/8	Brown soil 60cm thick			4.2 / 366
2 - 4					

TG7: 602780/7101183, azimuth: 277°, length 4 m, max. depth 2.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Gravel and sand all, one sand sample taken from bottom .	
1 - 2	G-1/9				8.6 / 250
2 - 4					

Historical pit					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Gravel all, one float sample taken, a cobble of dark grey rock with yellow quartz veinlets and some disseminated pyrite.	
1 - 2	17367				<0.2 / 18
2 - 3					

TG8: 602767/7101186, azimuth: 257°, length 3.0 m, max. depth 2.5 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 3				Gravel and brown sand, no bedrock, serpentinite fragments around, no sample taken.	

TG9: 602755/7101192, azimuth: 237°, length 3.0 m, max. depth 1.2 m, width 1.2 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 3				Dark brown soil, silt, angular serpentinite and listwanite fragments, no sample taken.	

TG10: 603015/7101045, azimuth: °, length 3.0 m, max. depth 1.5 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 3				Gravel all, no bedrock reached, no sample taken, filled-in.	

TG11: 603044/7100892, azimuth: °, length 4 m, max. depth 1.9.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Khaki-colored, decomposed chloritic-sericitic schist ± biotite, one discontinuous channel 1 m long from 0.6 to 1.6 m, and one grab schist sample taken.	
1 - 2	17368	1m long disc chnrl			2.1 / 39
2 - 3	17369	Decomp schist			2.6 / 36
3 - 4					

TG12: 603044/7100892, azimuth: 317°, length 4 m, max. depth 0.8 m, width 2.0 m (dug into bottom of a large historical pit)					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	17370	20 cm chnrl below soil	277/50NE	Brown heavily weathered and folded schist, with thin quartz bands along foliation.	1.2 / 33
1 - 2	17371	20 cm chnrl below	262/55NE		<0.2 / 23
2 - 3	17372	Grab from bottom	287/75NE		<0.2 / 29
3 - 4	17373	FD of 17371			0.9 / 32

TG13: 602900/7100820, azimuth: 7°, length 5.0 m, max. depth 1.8 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Decomposed bi-mica quartz schist.	
1 - 2	17374	60 cm vertical channel			0.4 / 34
2 - 3	17375	Grab from bottom			1.5 / 24
3 - 5					

TG14: 602547/7100783, azimuth: 322°, length 5.0 m, max. depth 1.8 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2				Decomposed bi-mica quartz schist, foliation changeable, dipping mostly to east.	
2 - 3	17376	Decomp bi-mi qtz scht	322/15NE		3.4 / 59
3 - 5					

Historical pit, 603098/7100623					
	Sample	Note	Attitude	Description	Assay
0 - 1				Trench dug to dewater the dirt road; the bedrock is made up of streaky beige, yellow, grey and brown clayey decomposed talcose (listwanitic?) material.	
1 - 2	17377	Decomp clayey mat			1.1 / 54
2 - 3					

TG15: 603077/7100656, azimuth: 62°, length 8.0 m, max. depth 1.6 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2				Decomposed, weathered mica-quartz schist, dark quartz alternates with yellow mica (phlogopite?), 1 m long vertical channel at southern end.	
2 - 3	17378	Decomp mica qtz scht			3.5 / 45
3 - 5					
5 - 6	17379	Dark quartz-mica schist			4.5 / 54
6 - 8					

TG16: 603092/7100735, azimuth: 12°, length 6.0 m, max. depth 1.6 m, width 1.0 m (dug into an old pit)					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	17380	Decomp mica scht qtz		Decomposed, vari-colored mica schist, rare quartz lenses with yellow mica (phlogopite?), 1 m long discontinuous channels.	1.7 / 33
1 - 2	17381	Decomp mica scht qtz			1.6 / 35
2 - 3	17382	Decomp mica scht qtz			0.3 / 62
3 - 4	17383	Decomp mica scht qtz			8.7 / 42
4 - 5	17384	Decomp mica scht qtz			2.2 / 53
5 - 6	17385	Decomp mica scht qtz			51.4 / 95

Grouping HD03048, Minnie Bell Creek area

TMB1: 618205/7088763, azimuth: 322°, length 6.0 m, max. depth 1.6 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Chlorite - biotite (phlogopite?) schist with conformable vuggy quartz bands and lenses, grab samples.	
1 - 2	660431	Chl-bi qtz scht			13.1 / 24
2 - 3					
3 - 4	660432	Chl-bi qtz scht			1.3 / 22
4 - 5					
5 - 6	660433	Qtz lense Fe-ox infilt			3.8 / 19

TMB2: azimuth: 357°, length 13.0 m, max. depth 1.5 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 13				No bedrock, gravel up to 15 – 20 cm, no samples taken.	

TMB3: 618205/7088763, azimuth: 92°, length 4.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2				Chlorite - biotite (phlogopite?) schist locally disintegrates into platelets, grab sample.	
2 - 3	660434	Chl-bi scht	82/30NW		0.3 / 12
3 - 6					

TMB4: 617518/7088321, azimuth: 317°, length 14.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Chlorite-biotite (phlogopite?) schist overlain by decomposed, brown schist, which in turn, is overlain by gravel.	
1 - 2	660437	Decomposed scht			1.4 / 28
2 - 5					
5 - 6	660435	Biotite schist, Fe-ox	357/35W		0.3 / 18
6 - 7	660436	Qtz mi scht, Fe-ox	72/40NW		<0.2 / 20
7 - 8			42/22NW		
8 - 9	660438	FD of 660436			0.3 / 22
9 - 13					

TMB5: 617459/7088400, azimuth: 302°, length 11.0 m, max. depth 1.5 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				No bedrock unearthed, small boulders of vari-colored (green, brown, pink), siliceous and carbonate (listwanite?) rock with calcite veinlets (fizz with HCl 10%) it has foliation locally preserved, some portions are vuggy, lined up with Fe-oxidic infiltrations.	
1 - 2	660439	Silic-carbnt Fe-ox			0.2 / 21
2 - 3					
3 - 11					

TMB6: 617384/7088472, azimuth: 47°, length 8.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 5				Bedrock is made up of dark grey-green chlorite-sericite schist with quartz bands and lenses, s1, s2 planes of foliation rare brown Fe-oxidic infiltrations, thin calcite veinlets cut across foliation locally, strong silicification locally makes the rock very hard..	
5 - 6	660440	Chl ser qtz scht oxid	52/30NW		1 / 18
6 - 8					

TMB7: 617166/7088407, azimuth: 292°, length 3.0 m, max. depth 0.8 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	660441	Qtz lns Fe-ox infilt	272/10N	Decomposed, brown biotite schist, biotite often grows randomly not only along foliation planes, quartz lenses locally.	<0.2 / 20
1 - 2			312/20NE		
2 - 3			302/20NE		

TMB8: 617077/7088327, azimuth: 12°, length 9.0 m, max. depth 1.2 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 5				Bedrock is made up of bi-mica schist with quartz bands, s1, s2 planes, biotite often grows on s2 planes, shearing locally renders the schist platy, brown Fe-oxidic infiltrations, possibly after sulphides, black columns of tourmaline quite common.	
5 - 6	660442	Silic-carbnt Fe-ox	97/12N		0.8 / 10
6 - 9			82/18N		

Grouping HD03048, TMB9: 6166659/7088713, azimuth: 102°, length 40 m, max. depth 0.7 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 3				No bedrock, decomposed, green and brown schist with quartz veinlets up to 15 cm thick ± barite and fluorite (?); another quartz lense (up to 12 cm thick) conformable to foliation occurs at 25 m, the host rock is silicified bi-micaceous schist, with Fe-oxidic specks and infiltrations; at 32 m, another quartz lense up to 60 cm thick (saccaroidal quartz); decomposed bedrock taken as soil samples every 8 meters	
3 - 4	660443	Qtz vns ± brt, flrt?	42/40NW		<0.2 / 10
4 - 7					
7 - 8	MB-1/4	Decomp scht			0.6 / 10
8 - 15					
15 - 16	MB-1/3	Decomp scht			1.6 / 29
16 - 23					
23 - 24	MB-1/2	Decomp scht			2.3 / 21
24 - 25	660444	Qtz lense (12 cm)	22/10SE		<0.2 / 15
25 - 30					
30 - 31	660445	Qtz lense			0.4 / 11
31 - 32					
32 - 33	MB-1/1	Decomp scht			2.2 / 36
33 - 40					

TMB10: 616622/7088710, azimuth: 62°, length 8.0 m, max. depth 0.7 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 8				Decomp chl-bi-mica schist, (saccaroid) quartz bands, silicification, no sample taken.	

TMB11: 616476/7091551, azimuth: 102°, length 10.0 m, max. depth 1.7 m, width 2.0 m					
From-to	Sample	Note	Attitude	Description	Assay

0 - 10				Grey-green chl bi schist, qrtz bands, locally shd, platy, biotite on s2 foliation planes, f: 307/10SW, 232/20SE, 232/10SE, 262/15SE, 297/20SW; no samples taken.	
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TMB12: 616476/7091551, azimuth: 277°, length 12.0 m, max. depth 0.6 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2				Decomposed brown schist turns into soily material, taken as soil samples .	
2 - 4			307/10SW		
4 - 6			232/20SE		
6 - 7	MB-1/6	Decomp schist	232/10SE		
7 - 8					
8 - 9	MB-1/7	Decomp schist	262/15SE		
9 - 10					
10 - 12			297/20SW		

TMB13: 616547/7089094, azimuth: N/A, pit 2 x 2 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Bedrock is chlorite-biotite schist with biotite growing oblique to main foliation, pink garnets associate with biotite.	
1 - 2	660447	Biotite-garnet scht	247/10NW		<0.2 / 5

TMB14: 616736/7089348, azimuth: 42°, length 7.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 8				No bedrock exposed, mu-ser schist, lentiform quartz float, no samples taken.	

TMB15: 616833/7089436, azimuth: 322°, length 2.5 m, max. depth 1.2 m, width 1.0					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Bedrock is muscovite-biotite-chlorite schist with quartz lenses, quartz is locally vuggy, vugs lined with Fe-oxidic infiltrations	
1 - 2	660448	Vuggy quartz			1.7 / 30

Flat Creek area

TFC1: 616124/7092806, azimuth: 357°, length 7.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	17356	Whitish talcose		Vari-colored (mottled) decomposed clayey material, locally stained by black (Mn-oxide or graphite?), whitish talcose admixture locally, small rock fragments.	0.6 / 132
1 - 2	17355	Whitish grey talcose			0.2 / 105
2 - 3	17354	Brown grey			0.9 / 156
3 - 4	17353	Yellow-brown, grph			<0.2 / 137
4 - 5	17352	Yellow-brown, grph			0.8 / 162
5 - 6	17351	Beige to dark ± gpht			0.8 / 124
6 - 7	660450	Brown green grey			

TFC2: 616144/7092788, azimuth: 62°, length 9.0 m, max. depth 0.4 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2				Chlorite-biotite schist with parallel and cross-cutting quartz bands, veins.	
2 - 3	17361	Chl bi scht qtz vns			68.9 / 61
3 - 8					

TFC3: 616148/7092788, azimuth: 32°, length 5.0 m, max. depth 0.6 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 2	17360	Chl bi scht qtz vns		Chlorite-biotite schist with parallel and cross-cutting quartz bands, veins.	45.6 / 99
2 - 3	17359	Chl bi scht qtz vns			87.3 / 80
3 - 8	17358				

Hunker Summit area

THS1: 605707/7084865, azimuth: 12°, length 3.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 4				Sub-crop, decomposed, light brown mica schist, no samples taken.	

THS2: 606019/7084888, azimuth: 42°, length 7.0 m, max. depth 0.7 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Sub-crop, pale brown to pink mica quartz schist, whitish quartz lenses, locally vuggy, fractures coated with Fe-oxides.	
1 - 2	17386	Quartz lense Fe-ox			<0.2/20
2 - 7					

THS3: 606148/7084896, azimuth: 72°, length 4.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 4				Sub-crop, decomp light brown mica schist, no samples taken.	

THS4: 606217/7084861, azimuth: 37°, length 5.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 4				Sub-crop, decomp light brown mica-quartz schist, ±Fe-ox, no samples taken.	

THS5: 606407/7084795, azimuth: 52°, length 4.0 m, max. depth 1.0 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 4				Sub-crop, decomp mica – quartz schist, no samples taken.	

THS6: 606463/7084701, azimuth: 42°, length 5.0 m, max. depth 1.2 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 5				No bedrock, chlorite – mica – quartz schist fragments. ± Fe-ox, no samples taken.	

THS7: 615720/7092799, azimuth: 52°, length 10.0 m, max. depth 1.8 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 4				Decomposed yellow to light brown sericite – quartz schist with phacoidal quartz lenses < 15 cm long, locally vuggy, vugs lined with Fe-oxides; a vertical channel sample 1.6 m long from top to bottom and a quartz float sample taken.	
4 – 5	17387	Ser qtz schist			1.2 / 46
5 – 6	17388	Quartz float			<0.2 / 169
6 - 10					

THS8: 605771/7084785, azimuth: 77°, length 4.0 m, max. depth 1.5 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1	17389	Decomp ser scht		Yellow to pale brown decomposed mica quartz schist, with quartz lenses, locally vuggy, fractures coated with Fe-oxides.	<0.2 / 26
1 – 2					
2 – 3					
3 – 4					

THS9: 605844/7084822, azimuth: 52°, length 5.0 m, max. depth 1.7 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Sheared, decomposed, locally clayey, brown sericite quartz schist with quartz lenses, fractures coated with Fe-oxides; one discontinuous, vertical channel 1 m long and one grab quartz sample taken.	
1 - 2	17390	Qtz Fe-ox			1.3 / 198
2 - 3	17391	ser scht 1 m channel			0.9 / 93
3 - 5					

THS10: 605908/7084871, azimuth: 82°, length 6.0 m, max. depth 1.6 m, width 1.0 m					
From-to	Sample	Note	Attitude	Description	Assay
0 - 1				Sheared, decomposed, locally clayey, grey- brown mica schist with phacoidal quartz overlain by mustard yellow decomposed clayey material; one discontinuous, vertical channel 1 m long and one grab quartz sample taken.	
1 - 2	17392	ser scht 1 m channel			0.4 / 22
2 - 3	17393	Qtz lense			<0.2 / 10
3 - 6					

APPENDIX II

Soil Sample Descriptions and Selected Assays

Alexander Creek

Eastings	Northing	#	Sampler	Horz	Note	Claim	Au	Ag	Cu	Pb	Zn	As
608800	7088400	320	AM, BM	C		EV12	2.5	147	32.71	11.72	64.4	7.1
608825	7088400	321	AM, BM	A	humic	EV12	3.2	212	33.07	8.45	56.9	36.1
608850	7088400	322	AM, BM	C		EV12	5.6	101	106.9	11.33	105.4	89.1
608875	7088400	323	AM, BM	C		EV12	4.9	153	38.2	9.77	62.3	38.1
608900	7088400	324	AM, BM	C		EV12	6.6	149	51.77	20.74	158.1	230.1
608925	7088400	325	AM, BM	C		EV12	9.7	134	53.44	11.58	71	74
608950	7088400	326	AM, BM	C		EV12	4.9	120	66.32	10.3	75.2	45
608975	7088400	327	AM, BM	C		EV12	6.4	137	41.93	8.63	57.5	52
609000	7088400	328	AM, BM	C		EV12	3.7	134	95.31	12.55	114.8	31.4
609025	7088400	329	AM, BM	C		EV12	3.8	192	55.01	12.44	71.2	46
609050	7088400	330	AM, BM	C		EV12	3	166	85.7	13.56	103.8	19
609075	7088400	331	AM, BM	C		EV12	4.5	172	73.83	12.83	106.3	22.4
609100	7088400	332	AM, BM	C		EV12	9.7	192	54.25	12.98	74.5	42.2
609125	7088400	333	AM, BM	C		EV12	<0.2	47	73.02	4.51	35	9
609150	7088400	334	AM, BM	C		EV12	3.6	55	79.47	2.16	30.3	3
609175	7088400	335	AM, BM	C	pale green	EV12	<0.2	17	70.6	3.02	21.5	0.5
609200	7088400	336	AM, BM	C	pale green	EV12	0.5	108	269.21	6.55	149	0.9
609225	7088400	337	AM, BM	C	old trench	EV12	<0.2	82	200.02	4.84	220.2	0.5
609250	7088400	338	AM, BM	C	pale green	EV12	0.7	61	276.94	3.67	115	0.3
609275	7088400	339	AM, BM	C	pale green	EV14	<0.2	43	251.22	1.66	166.9	0.4
609300	7088400	340	AM, BM	C		EV14	<0.2	52	149.27	9.31	217.2	0.1
609325	7088400	341	AM, BM	C	brown	EV14	<0.2	41	247.45	4.29	160.5	0.4
609350	7088400	342	AM, BM	C		EV14	<0.2	28	190.06	2.45	92	0.7
609375	7088400	343	AM, BM	C	green	EV14	17.8	48	242.95	2.14	54.5	0.4
609400	7088400	344	AM, BM	C	green	EV14	7.7	69	260.42	6.03	91	13.4
609425	7088400	345	AM, BM	C	pale green	EV14	<0.2	22	96.43	3.15	63.8	0.4
609450	7088400	346	AM, BM	C	pale green	EV14	4.3	64	77.48	8.3	63.9	9.5
609475	7088400	347	AM, BM	C	pale green	EV14	5.3	20	136.3	6.27	64.1	8.5
609500	7088400	348	AM, BM	C		EV14	5.4	103	155.1	5.6	63.2	3.9
609525	7088400	349	AM, BM	C	yellow	EV14	3.4	181	72.36	7.76	128.5	64
609550	7088400	350	AM, BM	C	yellow	EV14	2.3	111	126.48	6.61	99.6	3.2
609575	7088400	351	AM, BM	C		EV14	2.8	162	47.87	9.13	57.9	17.7
609600	7088400	352	AM, BM	C		EV14	4.5	162	47.33	12.01	83.6	61.2
609625	7088400	353	AM, BM	C	brown	EV14	12	323	114.6	11.3	131.9	55.8
609650	7088400	354	AM, BM	C	brown	EV14	31.9	137	47.78	10.83	76.2	220
609675	7088400	355	AM, BM	C	brown	EV14	87.5	356	84.61	20.05	76.9	736.5
609700	7088400	356	AM, BM	C	brown	EV14	54.8	99	39.74	11.29	63.2	601.6

609725	7088400	357	AM, BM	C		EV14	14.7	81	70.84	13.36	88.1	428.6
609750	7088400	358	AM, BM	C	old trench	EV16	21.5	41	74.17	10.52	65.4	328.8
609775	7088400	359	AM, BM	C	yellow-brown	EV16	10.4	49	54.38	10.91	66.5	107.9
609800	7088400	360	AM, BM	C	yellow-brown	EV16	7.4	34	49.54	9.81	89.9	42.1
608800	7088500	361	AM, BM	C		EV10	26.2	220	47.93	15.22	70.5	195.5
608825	7088500	362	AM, BM	C	green	EV12	5.6	113	134.51	10.37	88.3	62.6
608850	7088500	363	AM, BM	C	brown	EV12	20.5	128	47.5	22.87	90.9	167.6
608875	7088500	364	AM, BM	C	brown	EV12	12.9	200	134.58	16.91	165.9	74.3
608900	7088500	365	AM, BM	C	brown	EV12						
608925	7088500	366	AM, BM	C	brown	EV12	11.9	142	86.24	14	133.5	95.2
608950	7088500	367	AM, BM	C	brown	EV12	18.5	129	111.75	11.15	117.8	183.7
608975	7088500	368	AM, BM	C	brown	EV12	21.6	170	102.64	15.94	117.8	422.5
609000	7088500	369	AM, BM	C	brown	EV12	9.8	35	86.64	8.08	73.9	81.3
609025	7088500	370	AM, BM	C	qtz, yellow	EV12	17.4	129	109.86	11.72	113.1	169.7
609050	7088500	371	AM, BM	C	yellow	EV12						
609075	7088500	372	AM, BM	C	yellow	EV12	2.8	38	37.18	1.86	16.5	24.2
609100	7088500	373	AM, BM	C	yellow	EV12	3.7	65	26.06	7.9	105.2	48.9
609125	7088500	374	AM, BM	C	brown	EV12	9.2	68	115	12.87	79	78.2
609150	7088500	375	AM, BM	C	brown	EV12	19	69	140.34	17.1	84.5	43.2
609175	7088500	376	AM, BM	C	brown	EV12	7.6	233	103.15	19.79	115.3	30.7
609200	7088500	377	AM, BM	C	green	EV12	7.9	93	143.19	8.11	68.6	20.9
609225	7088500	378	AM, BM	C	green	EV12	0.3	23	133.32	1.66	39.7	2.1
609250	7088500	379	AM, BM	C	green	EV12	1.1	11	50.93	1.27	24.7	2.1
609275	7088500	380	AM, BM	C	green	EV12	18.8	132	296.41	2.92	63.2	2.1
609300	7088500	381	AM, BM	C	green	EV14	2.4	35	161.66	1.35	76.5	2.3
609325	7088500	382	AM, BM	C	green	EV14	0.3	26	19.4	2.09	23.4	0.9
609350	7088500	383	AM, BM	C	green	EV14	2.5	80	465.98	3.86	220.1	4.4
609375	7088500	384	AM, BM	C	green	EV14	1.1	69	147.18	5.25	97.2	8.6
609400	7088500	385	AM, BM	C	brown	EV14	6.7	54	400.46	9.78	111.8	3.4
609425	7088500	386	AM, BM	C	brown	EV14	<0.2	15	85.18	3.8	57	6.3
609450	7088500	387	AM, BM	C	brown	EV14	1.4	60	156.65	11.58	71.8	28.2
609475	7088500	388	AM, BM	C	brown	EV14	<0.2	39	25.73	12.19	67.6	18.2
609500	7088500	389	AM, BM	C	brown	EV14	0.3	113	112.02	9.11	65.6	7.3
609525	7088500	390	AM, BM	C	brown	EV14	1.9	159	37.3	9.63	55.8	29.2
609550	7088500	391	AM, BM	C	brown	EV14	5.3	53	92.94	10.9	83	68.4
609575	7088500	392	AM, BM	C	brown	EV14	4.7	33	81.07	9.53	88.4	76
609600	7088500	393	AM, BM	C	brown	EV13	6	70	66.92	9.38	100.4	109.6
609625	7088500	394	AM, BM	C	brown	EV13	111.9	219	73.07	17.03	87.6	678.5
609650	7088500	395	AM, BM	C	brown	EV13	38.8	163	82.44	14.04	89.8	284.2
609675	7088500	396	AM, BM	C	brown	EV13	20.5	65	112.16	16.47	93.4	108.4
609700	7088500	397	AM, BM	C	green	EV13	37.7	54	57.4	5.03	99.4	626.2
609725	7088500	398	AM, BM	C	green	EV13	22	46	28.7	6.97	82.2	459.6

609750	7088500	399	AM, BM	C	green	EV13	6.3	28	28.15	7.92	64.6	208.5
609775	7088500	400	AM, BM	C	brown	EV13	7.5	86	103.99	13.85	87.4	245.4
609800	7088500	401	AM, BM	C		EV15	5.8	50	84.01	6.93	49.7	61.6
608800	7088600	402	AM, BM	C		EV10	8.7	236	39.55	10.08	69.3	142.1
608825	7088600	403	AM, BM	C		EV10	52.9	254	49.59	39.27	104.1	285.4
608850	7088600	404	AM, BM	C		EV12	93	420	32.41	19.51	216.7	457.1
608875	7088600	405	AM, BM	C	dark brown	EV12	6.9	119	37.24	6.81	58.4	27.2
608900	7088600	406	AM, BM	C		EV12	26.3	241	60.11	11.07	70.9	177
608925	7088600	407	AM, BM	C		EV12	25.6	80	85.9	9.4	72.4	339.2
608950	7088600	408	AM, BM	C		EV12	71.4	454	69.54	13.22	95	467.7
608975	7088600	409	AM, BM	C	light green	EV12	62.2	661	65.84	17.22	34.6	760
609000	7088600	410	AM, BM	C	dark brown	EV12	4.4	205	45.12	6.94	54.9	16.7
609025	7088600	411	AM, BM	C		EV12	26	191	96.93	5.3	80.2	139.1
609050	7088600	412	AM, BM	C	green	EV12	6.7	30	98.73	0.85	47	10.2
609075	7088600	413	AM, BM	C	green	EV12	17.8	98	110.64	1.05	49.3	24.9
609100	7088600	414	AM, BM	C	brown	EV12	36.1	204	104.71	5.92	65.6	64.2
609125	7088600	415	AM, BM	C	green	EV12	7.1	57	98.96	0.48	53.5	6
609150	7088600	416	AM, BM	C	green	EV12	24	292	38.5	12.17	87.9	231.6
609175	7088600	417	AM, BM	C		EV12	10.6	56	71.73	4.34	68.4	31.5
609200	7088600	418	AM, BM	C		EV12	48.3	195	79.2	9.19	76	250.9
609225	7088600	419	AM, BM	C	qtz bouldr	EV12	4.3	215	41.47	15.36	76.9	293.7
609250	7088600	420	AM, BM	C	grey yellow	EV12	42.3	192	79.73	8.41	89.5	337.3
609275	7088600	421	AM, BM	C	brown	EV12	169.5	591	109.31	17.8	88.7	855.5
609300	7088600	422	AM, BM	C		EV12	13.9	161	80.14	15.05	110	43.9
609325	7088600	423	AM, BM	C	claim post	EV12	2.5	106	179.93	11.3	55.4	11.4
609350	7088600	424	AM, BM	C		EV13	1.9	59	52	10.42	63.1	48.5
609375	7088600	425	AM, BM	C	brown	EV13	5.4	43	96.67	12.5	84.4	11.1
609400	7088600	426	AM, BM	C		EV13	1.1	171	85.83	45.86	78.4	107
609425	7088600	427	AM, BM	C		EV13	<0.2	104	86.19	11.81	93.2	55.8
609450	7088600	428	AM, BM	C		EV13	2.9	271	84.07	12.1	113.2	28.9
609475	7088600	429	AM, BM	C	brown	EV13	1.6	250	81.15	18.52	117	23.8
609500	7088600	430	AM, BM	C		EV13	12.6	270	111.34	15.02	128.6	617.6
609525	7088600	431	AM, BM	C		EV13	19.9	71	69.27	6.55	60.5	84.7
609550	7088600	432	AM, BM	C	brown	EV13	64	367	97.59	24.27	93.4	874.8
609575	7088600	433	AM, BM	C	brown	EV13	149.2	190	99.64	10.36	70.8	614
609600	7088600	434	AM, BM	C		EV13	10.3	50	31.22	6.78	81.1	229.8
609625	7088600	435	AM, BM	C	green	EV13	14.5	35	37.38	6.86	77.3	304
609650	7088600	436	AM, BM	C	green	EV13	5	45	39.66	10.43	85.3	120.3
609675	7088600	437	AM, BM	C	brown	EV13	38.2	207	85.53	14.51	149.6	103.5
609700	7088600	438	AM, BM	C	brown	EV13	9	37	99.29	5.12	78.1	53.4
609725	7088600	439	AM, BM	C	brown	EV13	203.9	286	87.49	19.21	74.9	886.6
609750	7088600	440	AM, BM	C	brown	EV13	24.9	175	92.1	9.4	80.3	323.9
609775	7088600	441	AM, BM	C	brown	EV13	10.9	52	58.81	10.05	66.7	44.9

609800	7088500	442	AM, BM	C	brown	EV13	8.6	53	47.97	10.16	73.6	31.4
608800	7088300	443	AM, BM	C		EV23	1.4	123	89.71	13.4	109.1	9.9
608825	7088300	444	AM, BM	C		EV23	3.1	80	63.24	8.5	62.5	6.9
608850	7088300	445	AM, BM	C		EV12	1.8	89	82.59	12.57	91.3	11.4
608875	7088300	446	AM, BM	A	humic	EV12	2.4	165	36.47	10.75	76	5.8
608900	7088300	447	AM, BM	A	permafrost	EV12	2.4	168	33.04	10.93	80.2	4.9
608925	7088300	448	AM, BM	C	humic	EV12	5.4	170	34.71	11.24	73.1	10.4
608950	7088300	449	AM, BM	A	permafrost	EV12	2.6	197	75.99	8.05	93.3	24.5
608975	7088300	450	AM, BM	C		EV12	4.5	249	103.4	8.85	93.9	18.9
609000	7088300	451	AM, BM	C	brown	EV12	4.2	234	98.03	13.96	115.6	17.2
609025	7088300	452	AM, BM	C	yellow	EV12	4.4	165	74.9	18.6	71.5	44.8
609050	7088300	453	AM, BM	C		EV12	3.4	261	89.8	13.66	83	25.3
609075	7088300	454	AM, BM	C	grey-green	EV12	5.4	65	140.36	9.68	99.2	4.9
609100	7088300	455	AM, BM	C		EV12	5.1	68	127.62	13.47	88.2	4.9
609125	7088300	456	AM, BM	C	brown	EV12	46.6	37	103.48	7.86	79	8.1
609150	7088300	457	AM, BM	C		EV12	2.3	32	205.13	5.02	82	0.5
609175	7088300	458	AM, BM	C		EV12	0.6	25	198.66	5.4	117.1	0.8
609200	7088300	459	AM, BM	C	brown	EV12	2.3	40	277.91	4.12	94.6	0.7
609225	7088300	460	AM, BM	C		EV14	1.3	18	137.56	3.44	68.6	0.7
609250	7088300	461	AM, BM	C	pale green	EV14	1.6	13	182.8	5.26	182.8	0.3
609275	7088300	462	AM, BM	C	boulders	EV14	1	51	297.18	11.41	206	1.8
609300	7088300	463	AM, BM	C		EV14	2	42	215.2	16.77	552.2	5.6
609325	7088300	464	AM, BM	C	brown	EV14	3.2	46	139.86	32.05	103.9	209.1
609350	7088300	465	AM, BM	C	green,	EV14	<0.2	16	100.22	2.94	48.2	2.6
609375	7088300	466	AM, BM	C	green	EV14	<0.2	20	75.9	3.1	72.7	1.8
609400	7088300	467	AM, BM	C	green qtz	EV14	0.9	21	98.61	4.51	45.5	2.9
609425	7088300	468	AM, BM	C		EV14	1.6	363	541.51	44.08	345.8	1.1
609450	7088300	469	AM, BM	C	green qtz	EV14	0.2	28	87.37	5.84	87.4	3.3
609475	7088300	470	AM, BM	C		EV14	0.7	44	107.04	17.57	76.6	5.9
609500	7088300	471	AM, BM	C	yellow, brown	EV14	1.3	67	58.7	6.63	67.4	6.1
609525	7088300	472	AM, BM	C	qtz frag	EV14	2.4	95	50.28	10.75	60.1	34.6
609550	7088300	473	AM, BM	C		EV14	1.4	155	72.21	9.55	132.2	69.3
609575	7088300	474	AM, BM	C	brown	EV14	4	136	145.17	4.75	25.2	69.5
609600	7088300	475	AM, BM	C		EV14	2.7	101	69.94	8.05	38.6	24.8
609625	7088300	476	AM, BM	C		EV14	3.6	102	80.79	8.24	86.5	20.6
609650	7088300	477	AM, BM	C		EV14	1.7	192	224.23	7.28	120.6	24.3
609675	7088300	478	AM, BM	C	brown	EV14	14.5	176	52.24	13.94	71.2	188.4
609700	7088300	479	AM, BM	C		EV14	10.8	125	49.22	22.76	101.1	212.4
609725	7088300	480	AM, BM	C		EV16	27	193	56.17	14.86	74	230.5
609750	7088300	481	AM, BM	C		EV16	46.1	411	61	15.97	87.3	278.4
609775	7088300	482	AM, BM	C	brown	EV16	27.2	477	69.74	16.53	127.9	236.3
609800	7088300	483	AM, BM	C	brown	EV16	22.2	170	101.86	15.03	104.7	275.3

Cheerio Zone, Soil Samples

Easting	Northing	#	Sampler	Depth	Description	Hrzn	Claim #	Au	Ag	Cu	Pb	Zn	As
609200	7087500	484	RE, BM	0-1.2	Mi chl scht	C	EV28	2.6	522	73.37	11.81	117.2	6.4
609225	7087500	485	RE, BM	0-1.2	Mi chl scht	C	EV28	2.8	604	46.17	11.48	109.6	5
609250	7087500	486	RE, BM	0-1.2	Mi chl scht	C	EV28	14	963	55.86	12.91	114.5	5
609275	7087500	487	RE, BM	0-1.2	Mi chl scht	C	EV28	1.1	412	54.41	10.33	130	3.2
609300	7087500	488	RE, BM	0-1.2	Mi chl scht	C	EV28	1.8	422	42.67	11.32	117.9	3.8
609325	7087500	489	RE, BM	0-1.2	Mi chl scht	C	EV28	1.3	737	41.73	14.91	164.1	5.4
609350	7087500	490	RE, BM	0-1.2	Mi chl scht	C	EV28	0.5	451	57.11	11.32	186.9	3.1
609375	7087500	491	RE, BM	0-1.2	Mi chl scht	C	EV28	1	869	68.77	14.13	206.2	3.3
609400	7087500	492	RE, BM	0-1.2	Mi chl scht	C	EV28	3.6	568	47.67	11.63	106.7	5.7
609425	7087500	493	RE, BM	0-1.2	Mi chl scht	C	AL6	1.7	678	37.27	11.97	90.2	5.2
609450	7087500	494	RE, BM	0-1.2	Mi chl scht	C	AL6	0.7	343	34.64	11.54	99.4	5.2
609475	7087500	495	RE, BM	0-1.2	Mi chl scht	C	AL6	5.1	317	29.75	11.37	82.4	6.5
609500	7087500	496	RE, BM	0-1.2	Mi chl scht	C	AL6						
609525	7087500	497	RE, BM	0-1.2	Mi chl scht	C	AL6	1.1	134	34.1	10.21	88.4	5
609550	7087500	498	RE, BM	0-1.2	Mi chl scht	C	AL6	1.2	375	38.53	14.36	90.9	8.3
609575	7087500	499	RE, BM	0-1.2	Mi chl scht	C	AL6	3.3	217	32.08	13.16	83.5	8.9
609600	7087500	500	RE, BM	0-1.2	Mi chl scht	C	AL6	0.7	225	65.44	15.2	160.2	2.1
609625	7087500	501	RE, BM	0-1.2	Mi chl scht	C	AL6	0.7	122	36.77	10.7	85.4	6.1
609650	7087500	502	RE, BM	0-1.2	Mi chl scht	C	AL6	2.3	116	31.51	13.44	82.9	10.1
609675	7087500	503	RE, BM	0-1.2	chl scht	C	AL7	2	198	36.43	12.92	85.4	6.4
609700	7087500	504	RE, BM	0-1.2	chl scht	C	AL7	<0.2	191	39.04	10.62	102.6	7.8
609725	7087500	505	RE, BM	0-1.2	chl scht	C	AL7	14.1	225	32.78	9.58	91.4	5.3
609750	7087500	506	RE, BM	0-1.2	mi scht	C	AL7	2.2	92	82.14	7.65	124.8	24.8
609775	7087500	507	RE, BM	0-1.2	mi scht	C	AL7	4.5	133	83.56	7.4	123.6	37.2
609800	7087500	508	RE, BM	0-1.2	mi scht	C	AL7	2.5	163	95.56	12.07	146.7	12.8

Allgold Creek Soil Samples

Easting	Northing	#	Sampler	Depth	Description	H	Claim	Au	Ag	Cu	Pb	Zn	As
611100	7089800	180	AP, BM	0.3-1.2	Yellow-brown	C	KS78	0.6	23	42.72	7.71	67.4	9.5
611125	7089800	181	AP, BM	0.3-1.2	Yellow-brown	C	KS78	<0.2	65	58.81	8.33	77.7	7.8
611150	7089800	182	AP, BM	0.3-1.2	Yellow-brown	C	KS78	3.8	56	84.91	11.08	99.4	11.1
611175	7089800	183	AP, BM	0.3-1.2	Yellow-brown	C	KS78	5.6	60	96.51	5.49	100	11
611200	7089800	184	AP, BM	0.3-1.2	Yellow-brown	C	KS78	2.9	119	53.28	8.68	73.2	8.9
611225	7089800	185	AP, BM	0.3-1.2	Yellow-brown	C	KS78	4.3	41	87.85	3.68	81	5.4
611250	7089800	186	AP, BM	0.3-1.2	Yellow-brown	C	KS78	3	33	121.09	5.98	95.4	4.1
611275	7089800	187	AP, BM	0.3-1.2	Yellow-brown	C	KS80	0.3	120	64.15	6.24	59.8	5.7
611300	7089800	188	AP, BM	0.3-1.2	Yellow-brown	C	KS80	2.8	50	112.51	7.69	84.7	7.4
611325	7089800	189	AP, BM	0.3-1.2	Yellow-brown	C	KS79	3.8	48	113.01	7.95	77.4	4.2

611350	7089800	190	AP, BM	0.3-1.2	Yellow-brown	C	KS79	2.4	25	41.26	0.82	63.1	1.7
611375	7089800	191	AP, BM	0.3-1.2	Yellow-brown	C	KS79	0.8	52	51.18	5.2	80.7	2.7
611400	7089800	192	AP, BM	0.3-1.2	Yellow-brown	C	KS79	3.2	26	104.05	0.75	52.1	1.4
611425	7089800	193	AP, BM	0.3-1.2	green	C	KS79	0.3	17	116.29	1.58	75	1.1
611450	7089800	194	AP, BM	0.3-1.2	grey	C	KS79	4.1	57	89.18	11.27	84.9	9.5
611475	7089800	195	AP, BM	0.3-1.2	grey	C	KS79	0.8	43	38.59	140.2	201.3	6.6
611500	7089800	196	AP, BM	0.3-1.2	grey	C	KS79	<0.2	118	119.3	6.41	115.3	3.2
611525	7089800	197	AP, BM	0.3-1.2	grey	C	KS79	1.4	140	58.23	13.57	85.9	6.5
611550	7089800	198	AP, BM	0.3-1.2	Yellow-brown	C	KS79	1.6	62	85.44	22.67	119.8	10.2
611575	7089800	199	AP, BM	0.3-1.2	Yellow-brown	C	KS79	1.1	53	79.1	22.82	174.2	5
611600	7089800	200	AP, BM	0.3-1.2	Yellow-brown	C	KS79	3.3	56	38.99	21.43	169.5	5.2
611625	7089800	201	AP, BM	0.3-1.2	Yellow-brown	C	KS79	1.3	26	37.42	11.9	122.3	2.2
611650	7089800	202	AP, BM	0.3-1.2	Yellow-brown	C	KS79	2.4	23	39.91	11.77	57.8	6.9
611675	7089800	203	AP, BM	0.3-1.2	Yellow-brown	C	KS79	1	14	51.49	5.85	74.8	2.1
611700	7089800	204	AP, BM	0.3-1.2	Yellow-brown	C	KS79	2	31	36.77	13.25	76	5.1
611725	7089800	205	AP, BM	0.3-1.2	Yellow-brown	C	KS79	2	39	39.7	41.86	74.6	6.1
611750	7089800	206	AP, BM	0.3-1.2	Yellow-brown	C	KS81	1.9	86	50.84	23.78	99.5	6.2
611775	7089800	207	AP, BM	0.3-1.2	Yellow-brown	C	KS81	2.6	69	44.69	56.91	83.3	10.4
611800	7089800	208	AP, BM	0.3-1.2	wet	C	KS81	2	85	41.23	61.32	83.9	10.6
611825	7089800	209	AP, BM	0.3-1.2		C	KS81	3.7	144	35.54	52.97	78.4	9.4
611850	7089800	210	AP, BM	0.3-1.2		C	KS81	2.6	137	38.73	184.3	60.2	14.4
611875	7089800	211	AP, BM	0.3-1.2		C	KS81	3.8	113	32.34	34.4	64.7	9.7
611900	7089800	212	AP, BM	0.3-1.2		C	KS81	2.6	98	27.52	23.22	61	11.1
611925	7089800	213	AP, BM	0.3-1.2		C	KS81	2.3	120	29.94	20.27	65.5	11
611950	7089800	214	AP, BM	0.3-1.2		C	KS81	3.3	148	38.69	34.47	71.7	15.4
611975	7089800	215	AP, BM	0.3-1.2		C	KS81	4.1	88	26.24	23.37	55.8	10.8
612000	7089800	216	AP, BM	0.3-1.2		C	KS81	1.4	100	36.53	41.5	70.2	13
612000	7089700	217	AP, BM	0.3-1.2		C	KS81	1.1	42	234.41	11.71	428.2	7.3
611975	7089700	218	AP, BM	0.3-1.2		C	KS81	3.1	72	48.06	13.48	68.1	9.3
611950	7089700	219	AP, BM	0.3-1.2		C	KS81	2	94	34.51	23.43	45.5	10.6
611925	7089700	220	AP, BM	0.3-1.2		C	KS81	0.9	88	22.81	29.66	42.7	13.7
611900	7089700	221	AP, BM	0.3-1.2		C	KS81	0.6	171	65.34	43	99.1	17.2
611875	7089700	222	AP, BM	0.3-1.2		C	KS81	1.7	135	40.14	47.73	72.5	15.9
611850	7089700	223	AP, BM	0.3-1.2		C	KS81	2.8	195	47.2	87.54	96.9	24
611825	7089700	224	AP, BM	0.3-1.2		C	KS81	7.3	230	45.27	116.1	98.2	20.7
611800	7089700	225	AP, BM	0.3-1.2		C	KS81	2.2	68	30.36	64.93	68.9	12.5
611775	7089700	226	AP, BM	0.3-1.2		C	KS81	3.2	64	29.87	52.83	59.7	12.9
611750	7089700	227	AP, BM	0.3-1.2		C	KS81	1.5	165	33.33	103.3	67.1	19.8
611725	7089700	228	AP, BM	0.3-1.2		C	KS81	4	95	41.01	72.29	110.6	25.2
611700	7089700	229	AP, BM	0.3-1.2		C	KS79	3.3	416	38.85	47.07	117.3	17.4
611675	7089700	230	AP, BM	0.3-1.2		C	KS79	1.7	23	14.51	20.6	54.7	4.1
611650	7089700	231	AP, BM	0.3-1.2	Yellow-brown	C	KS79	3.1	24	24.61	20.03	60.7	4.7
611625	7089700	232	AP, BM	0.3-1.2	Yellow-brown	C	KS79	2.2	39	40.81	11.11	77.4	10

611600	7089700	233	AP, BM	0.3-1.2	Yellow-brown	C	KS79	5.7	21	57.77	11.25	106.5	8.8
611575	7089700	234	AP, BM	0.3-1.2		C	KS79	2.8	22	33.41	12.56	53.2	1.8
611550	7089700	235	AP, BM	0.3-1.2	micaceous	C	KS80	4.2	31	28.01	11.91	80.1	9.5
611525	7089700	236	AP, BM	0.3-1.2		C	KS80	3.5	29	17.34	28.29	83.7	20.8
611500	7089700	237	AP, BM	0.3-1.2		C	KS80	1	31	7.93	17.44	24.4	8.1
611475	7089700	238	AP, BM	0.3-1.2		C	KS80	4.3	67	78.17	14.33	84.6	4.7
611450	7089700	239	AP, BM	0.3-1.2		C	KS80	3.1	61	78.79	9.63	86.9	8.8
611425	7089700	240	AP, BM	0.3-1.2		C	KS80	1.9	128	66.57	9.51	94.3	10.8
611400	7089700	241	AP, BM	0.3-1.2		C	KS80	0.5	78	103.25	6.21	122.3	8
611375	7089700	242	AP, BM	0.3-1.2		C	KS80	3.6	222	99.09	11.74	136.3	10.3
611350	7089700	243	AP, BM	0.3-1.2		C	KS80	2	299	74.83	28.94	205.7	9.3
611325	7089700	244	AP, BM	0.3-1.2		C	KS80	0.2	209	96.13	30.27	176.6	11.2
611300	7089700	245	AP, BM	0.3-1.2		C	KS80	3.8	222	36.52	30.47	121.1	13.3
611275	7089700	246	AP, BM	0.3-1.2		C	KS80	6	115	36.14	120.6	185.7	10.9
611250	7089700	247	AP, BM	0.3-1.2		C	KS80	5.5	118	38.59	21	77.8	9.5
611225	7089700	248	AP, BM	0.3-1.2		C	KS80	1.1	194	29.34	60.05	125.5	9.4
611200	7089700	249	AP, BM	0.3-1.2		C	KS78	2.5	150	34.62	11.12	118.1	8.3
611175	7089700	250	AP, BM	0.3-1.2		C	KS78	2.9	219	49.89	11.69	95.1	8.4
611150	7089700	251	AP, BM	0.3-1.2		C	KS78	1.5	297	67.84	9.31	105	4.5
611125	7089700	252	AP, BM	0.3-1.2		C	KS78	2.5	283	25.83	24.65	89.6	7.5
611100	7089700	253	AP, BM	0.3-1.2		C	KS78	5.2	345	19.3	54.26	104.2	3.6
611100	7089900	254	AP, BM	0.3-1.2	green	C	KS77	1.1	33	76.5	4.67	73.3	2.3
611125	7089900	255	AP, BM	0.3-1.2	green	C	KS77	0.5	27	82.59	3.2	52.7	3.2
611150	7089900	256	AP, BM	0.3-1.2	green	C	KS77	1.8	49	101.76	3.15	71.2	8.3
611175	7089900	257	AP, BM	0.3-1.2		C	KS77	2.2	61	36.14	8.73	61.3	8.2
611200	7089900	258	AP, BM	0.3-1.2	Qtz vein	C	KS77	0.2	18	63.07	2.26	47.5	2.2
611225	7089900	259	AP, BM	0.3-1.2		C	KS77	0.4	18	88.16	0.79	28.2	0.9
611250	7089900	260	AP, BM	0.3-1.2	green	C	KS77	0.9	7	83.71	0.64	39.4	0.8
611275	7089900	261	AP, BM	0.3-1.2		C	KS77	1.3	22	72.76	2.76	51.8	3.7
611300	7089900	262	AP, BM	0.3-1.2	brown	C	KS79	<0.2	13	35.95	3.35	53	2.4
611325	7089900	263	AP, BM	0.3-1.2	brown	C	KS79	<0.2	10	62.92	3.62	65.1	3.6
611350	7089900	264	AP, BM	0.3-1.2	brown	C	KS79	5.4	110	73.7	7.89	81.4	4.8
611375	7089900	265	AP, BM	0.3-1.2	brown	C	KS79	4.3	104	88.97	11.41	94.8	8.2
611400	7089900	266	AP, BM	0.3-1.2	brown	C	KS79	0.5	36	62.41	5.63	58.7	6.5
611425	7089900	267	AP, BM	0.3-1.2	brown	C	KS79	2.3	28	59.5	12.95	77.2	5.1
611450	7089900	268	CS, BM	0.3-1.2	brown	C	KS79	2.7	25	106.53	8.11	93	13.2
611475	7089900	269	CS, BM	0.3-1.2	brown	C	KS79	0.8	20	75.55	5.27	93.4	5.7
611500	7089900	270	CS, BM	0.3-1.2		C	KS79	5.4	43	75.2	10.17	77.6	8.9
611525	7089900	271	CS, BM	0.3-1.2		C	KS79	131.3	74	67.61	15.98	80.4	9.7
611550	7089900	272	CS, BM	0.3-1.2		C	KS79	3.4	50	41.92	12.87	71.2	9.9
611575	7089900	273	CS, BM	0.3-1.2		C	KS79	3.4	99	42.75	11.91	65.1	8.6
611600	7089900	274	CS, BM	0.3-1.2		C	KS79	0.8	86	20.68	9.65	49.1	8.5
611625	7089900	275	CS, BM	0.3-1.2		C	KS79	3.9	78	48.29	11.26	75	5.9

611650	7089900	276	CS, BM	0.3-1.2		C	KS79	2.5	29	29.93	9.97	57.1	6.3
611675	7089900	277	CS, BM	0.3-1.2	a spring	C	KS79	7	62	26.85	8.45	55.7	7.7
611700	7089900	278	CS, BM	0.3-1.2		C	KS79	7.3	112	26.56	10.27	64.5	7.9
611700	7090000	279	CS, BM	0.3-1.2		C	KS79	3.4	99	26.93	11.19	59.3	8.1
611675	7090000	280	CS, BM	0.3-1.2		C	KS79	1.8	44	33.37	9.21	58.9	7.5
611650	7090000	281	CS, BM	0.3-1.2		C	KS79	1.5	215	39.49	11.11	59	7.4
611625	7090000	282	CS, BM	0.3-1.2		C	KS79	4.1	125	23.63	12.25	57.4	8.5
611600	7090000	283	CS, BM	0.3-1.2		C	KS79	2	128	26.72	9.24	56	8
611575	7090000	284	CS, BM	0.3-1.2		C	KS79	4.5	150	44.87	9.32	61.3	8.5
611550	7090000	285	CS, BM	0.3-1.2	elevation	C	KS79	244	208	63.7	9.44	81.2	8.6
611525	7090000	286	CS, BM	0.3-1.2		C	KS79	3.2	158	47.02	16	99.1	6.9
611500	7090000	287	CS, BM	0.3-1.2		C	KS79	1.3	139	21.37	10.92	42.2	7.8
611475	7090000	288	CS, BM	0.3-1.2		C	KS79	1.1	53	26.09	8.25	46	7.7
611450	7090000	289	CS, BM	0.3-1.2		C	KS79	4.3	58	65.94	8.51	66	7.3
611425	7090000	290	CS, BM	0.3-1.2		C	KS79	2.2	61	28.05	10.17	50.4	11.5
611400	7090000	291	CS, BM	0.3-1.2		C	KS79	3.8	24	38.29	9.39	57.8	10.5
611375	7090000	292	CS, BM	0.3-1.2		C	KS79	0.7	9	60.01	0.49	25.4	0.8
611350	7090000	293	AM, BM	0.3-1.2		C	KS79	3.7	60	33.86	7.74	46.1	10.3
611325	7090000	294	AM, BM	0.3-1.2		C	KS77	1.5	34	38.33	6.65	42.5	6.8
611300	7090000	295	AM, BM	0.3-1.2	green	C	KS77	1.2	20	42.09	6.16	40.8	5.7
611275	7090000	296	AM, BM	0.3-1.2	green	C	KS77	1.9	10	57.61	1.32	32.7	0.9
611250	7090000	297	AM, BM	0.3-1.2	brown	C	KS77	1.2	22	78.77	1.96	52.1	3.7
611225	7090000	298	AM, BM	0.3-1.2		C	KS77	0.7	11	88.42	0.53	38.4	1.7
611200	7090000	299	AM, BM	0.3-1.2		C	KS77	1.4	12	74.61	0.61	39.2	1.4
611175	7090000	300	AM, BM	0.3-1.2		C	KS77	1.3	17	104.21	0.41	35.8	0.9
611150	7090000	301	AM, BM	0.3-1.2	green and yellow	C	KS77	0.3	11	72.42	0.59	56.5	1.3
611125	7090000	302	AM, BM	0.3-1.2	green	C	KS77	0.2	10	112.94	0.45	29.2	1.6
611100	7090000	303	AM, BM	0.3-1.2	green	C	KS77	<0.2	8	81.91	1.26	37.9	2.8
611000	7089700	304	AM, BM	0.3-1.2	outcrop	C	KS78	<0.2	182	42.59	6.77	59.9	6.1
611025	7089700	305	AM, BM	0.3-1.2	brown	C	KS78	<0.2	110	38.69	7.85	62.9	7.1
611050	7089700	306	AM, BM	0.3-1.2	brown	C	KS78	0.7	110	46.87	10	67.6	7.1
611075	7089700	307	AM, BM	0.3-1.2		C	KS78	0.7	73	41.51	6.89	58.3	6.8
611000	7089800	308	AM, BM	0.3-1.2		C	KS78	2.8	54	36.45	8.13	58.4	8.2
611025	7089800	309	AM, BM	0.3-1.2		C	KS78	0.5	43	47.23	5.6	52.9	7.1
611050	7089800	310	AM, BM	0.3-1.2		C	KS78	2.5	56	35.61	6.64	44.2	6.7
611075	7089800	311	AM, BM	0.3-1.2		C	KS78	1	58	86.63	7.08	78	7
611000	7089900	312	AM, BM	0.3-1.2		C	KS78	<0.2	25	48.12	3.69	79.1	3.2
611025	7089900	313	AM, BM	0.3-1.2		C	KS78	4.2	53	93.97	5.66	84.9	5.7
611050	7089900	314	AM, BM	0.3-1.2		C	KS77	<0.2	34	81.54	15.35	93.8	4
611075	7089900	315	AM, BM	0.3-1.2		C	KS77	1.8	80	51.51	8.01	73.3	8.7
611000	7090000	316	AM, BM	0.3-1.2		C	KS77	3.2	28	46.38	5.24	46.2	5.8
611025	7090000	317	AM, BM	0.3-1.2	grey	C	KS77	3.2	20	49.53	5.05	45.5	5.3

611050	7090000	318	AM, BM	0.3-1.2	green	C	KS77	<0.2	11	76.79	1.8	25.5	1.2
611075	7090000	319	AM, BM	0.3-1.2	green	C	KS77	2	9	80.17	2.77	62	3.7

Fawcett Soil Samples

Easting	Northing	#	Sampler	Depth	Description	Hrzn	Claim	Au	Ag	Cu	Pb	Zn	As
603000	7089000	1	TI, BM	0.3-1.2	.	C	LeotaHS19	8.1	105	25.65	17.15	56.5	9.5
603025	7089000	2	TI, BM	0.3-1.2		C	LeotaHS19	5.7	87	23.42	16.88	58.1	15.2
603050	7089000	3	TI, BM	0.3-1.2		C	LeotaHS19	4.2	85	24.28	10.04	59.1	7.9
603075	7089000	4	TI, BM	0.3-1.2		C	LeotaHS19	3.2	48	11.62	14.45	35.9	7.2
603100	7089000	5	TI, BM	0.3-1.2		C	LeotaHS19	9.7	22	7.65	14.01	42.7	11.5
603125	7089000	6	TI, BM	0.3-1.2		C	LeotaHS17	1.9	31	10.77	12.45	36.7	5.6
603150	7089000	7	TI, BM	0.3-1.2		C	LeotaHS18	4.1	16	8.23	16.03	26.1	3.1
603175	7089000	8	TI, BM	0.3-1.2		C	LeotaHS18	5.9	21	8.68	28.87	67.3	6.5
603200	7089000	9	TI, BM	0.3-1.2		C	LeotaHS18	5.6	9	7.84	17.81	61.4	8.9
603225	7089000	10	TI, BM	0.3-1.2		C	LeotaHS18	7.9	59	10.05	14.86	51.3	8.4
603250	7089000	11	TI, BM	0.3-1.2		C	LeotaHS18	2.3	33	6.72	25.16	72.2	9.1
603275	7089000	12	TI, BM	0.3-1.2		C	LeotaHS18	1.3	23	5.84	20.63	23	16
603300	7089000	13	TI, BM	0.3-1.2		C	LeotaHS18	0.9	13	6.23	11.22	30.5	6.6
603325	7089000	14	TI, BM	0.3-1.2		C	LeotaHS18	3.4	57	15.55	64.26	85.3	3.6
603350	7089000	15	TI, BM	0.3-1.2		C	LeotaHS18	1.4	53	12.12	25.01	54.7	5.9
603375	7089000	16	TI, BM	0.3-1.2		C	LeotaHS18	1.1	35	12.94	35.58	55.3	4.4
603400	7089000	17	TI, BM	0.3-1.2		C	LeotaHS18	1.3	40	12.98	27.67	42.3	3.4
603425	7089000	18	TI, BM	0.3-1.2		C	LeotaHS18	4.1	55	22.28	36.44	53.8	5.3
603450	7089000	19	TI, BM	0.3-1.2		C	LeotaHS18	2.6	166	24.35	47.21	75.6	6.5
603475	7089000	20	TI, BM	0.3-1.2		C	LeotaHS18	1.7	92	35.27	99.17	140.1	2.2
603500	7089000	21	TI, BM	0.3-1.2		C	LeotaHS18	0.4	107	12.38	34.83	38.9	1.4
603525	7089000	22	TI, BM	0.3-1.2		C	LeotaHS18	1.2	73	13.18	33.76	44.7	2.9
603550	7089000	23	TI, BM	0.3-1.2		C	LeotaHS18	5.1	61	12.81	31.59	45.3	4.7
603575	7089000	24	TI, BM	0.3-1.2		C	LeotaHS18	1.6	168	31.52	266	46.7	3.8
603600	7089000	25	TI, BM	0.3-1.2		C	LeotaHS18	0.6	59	8	42.19	11.7	0.4
603625	7089000	26	TI, BM	0.3-1.2		C	LeotaHS16	2.1	83	20.69	13.56	60.1	6.9
603650	7089000	27	TI, BM	0.3-1.2		C	LeotaHS16	1.7	38	14.07	14.67	50.1	6.9
602975	7089000	28	TI, BM	0.3-1.2		C	LeotaHS19	7.1	64	11.66	16.19	34.9	5.9
602950	7089000	29	TI, BM	0.3-1.2		C	LeotaHS19	8.5	86	19.43	12.9	38.7	9.8
602925	7089000	30	TI, BM	0.3-1.2		C	LeotaHS19	1.9	9	5.45	10.4	30.4	5.1
602900	7089000	31	TI, BM	0.3-1.2		C	LeotaHS19	1	25	7.16	15.49	26.8	4
602875	7089000	32	TI, BM	0.3-1.2		C	LeotaHS19	6.4	23	9.82	11.8	21.9	5.1
602850	7089000	33	TI, BM	0.3-1.2		C	LeotaHS19	7	21	8.18	15.96	30.8	4.4
602825	7089000	34	TI, BM	0.3-1.2		C	LeotaHS19	3.5	44	9.81	16.13	34.3	6.2
602800	7089000	35	TI, BM	0.3-1.2		C	LeotaHS19	1.7	24	7.14	12.29	41.6	3.2
602775	7089000	36	TI, BM	0.3-1.2		C	LeotaHS19	4.6	96	9.98	13.47	36.5	4.9
602750	7089000	37	TI, BM	0.3-1.2		C	LeotaHS19	4.4	31	7.86	13.66	41.6	3.3

602725	7089000	38	TI, BM	0.3-1.2	C	LeotaHS19	2.8	13	3.63	7.54	22.7	1.5
602700	7089000	39	TI, BM	0.3-1.2	C	LeotaHS19	1.4	20	14.04	14.24	22.5	15.4
602675	7089000	40	TI, BM	0.3-1.2	C	LeotaHS19	3.3	50	5.9	11.36	27.7	6.8
602650	7089000	41	TI, BM	0.3-1.2	C	LeotaHS19	1.2	17	4.16	21.65	28.5	1.2
602625	7089000	42	TI, BM	0.3-1.2	C	LeotaHS21	5.3	102	14.36	11.4	38.7	7.5
602600	7089000	43	TI, BM	0.3-1.2	C	LeotaHS21	3.2	34	9.55	18.44	26	2.8
602575	7089000	44	TI, BM	0.3-1.2	C	LeotaHS21	10.5	120	22.86	11.32	49.5	11.9
602550	7089000	45	TI, BM	0.3-1.2	C	LeotaHS21	8.9	182	39.29	20.89	60.3	19.6
602525	7089000	46	TI, BM	0.3-1.2	C	LeotaHS21	7.4	76	30.05	10.86	50.5	8.3
602500	7089000	47	TI, BM	0.3-1.2	C	LeotaHS21	3	119	33.78	9.03	80.8	23.2
602475	7089000	48	TI, BM	0.3-1.2	C	LeotaHS21	6.9	88	36.28	5.61	58.2	17.9
602450	7089000	49	TI, BM	0.3-1.2	C	LeotaHS21	6	78	19.07	10.77	44.2	11
602425	7089000	50	TI, BM	0.3-1.2	C	LeotaHS21	28.2	125	37.24	7.84	61.6	20.5
602400	7089000	51	TI, BM	0.3-1.2	C	LeotaHS21	4.9	109	35.3	8.24	64.1	16
603650	7089100	53	TI, BM	0.3-1.2	C	LeotaHS16	0.3	212	28.92	56.83	61.7	1.8
603625	7089100	54	TI, BM	0.3-1.2	C	LeotaHS18	<0.2	41	14.44	44.48	54.6	1.4
603600	7089100	55	TI, BM	0.3-1.2	C	LeotaHS18	1.7	45	20.26	42.51	61.5	2.8
603575	7089100	56	TI, BM	0.3-1.2	C	LeotaHS18	0.5	51	17.21	41.58	42.1	2.3
603550	7089100	57	TI, BM	0.3-1.2	C	LeotaHS18	0.8	87	14.06	74.03	78	<0.1
603525	7089100	58	TI, BM	0.3-1.2	C	LeotaHS18	1.7	34	8.58	9.77	24.3	4.3
603500	7089100	59	TI, BM	0.3-1.2	C	LeotaHS18	1.4	46	7.93	11.04	26.5	4.9
603475	7089100	60	TI, BM	0.3-1.2	C	LeotaHS18	6.7	49	12.66	17.49	37	6.4
603450	7089100	61	TI, BM	0.3-1.2	C	LeotaHS18	0.7	20	7.68	25.66	15.6	2.7
603425	7089100	62	TI, BM	0.3-1.2	C	LeotaHS18	<0.2	16	5.83	30.07	27.6	1.5
603400	7089100	63	TI, BM	0.3-1.2	C	LeotaHS18	<0.2	9	5.78	20.39	26.9	2.3
603375	7089100	64	TI, BM	0.3-1.2	C	LeotaHS18	0.7	25	11.6	82.35	42.9	1.9
603350	7089100	65	TI, BM	0.3-1.2	C	LeotaHS18	1	17	13.61	51.88	50.8	1.9
603325	7089100	66	TI, BM	0.3-1.2	C	LeotaHS18	0.9	37	13.67	28.81	41.4	6.1
603300	7089100	67	TI, BM	0.3-1.2	C	LeotaHS18	1	90	12.2	21.26	53.8	10.4
603275	7089100	68	TI, BM	0.3-1.2	C	LeotaHS18	1	71	11.08	22.68	59.8	11.1
603250	7089100	69	TI, BM	0.3-1.2	C	LeotaHS18	1.3	97	18.89	25.73	59.1	9.3
603225	7089100	70	TI, BM	0.3-1.2	C	LeotaHS18	2.2	15	7.74	22.03	44.5	8.9
603200	7089100	70A	TI, BM	0.3-1.2	C	LeotaHS18	6.5	14	6.37	13.32	30.8	5.4
602400	7089100	71	TI, BM	0.3-1.2	C	LeotaHS21	1.6	99	29.66	13.82	75.9	10.1
602425	7089100	72	TI, BM	0.3-1.2	C	LeotaHS21	29.1	121	33.99	13.43	81.3	22.2
602450	7089100	73	TI, BM	0.3-1.2	C	LeotaHS21	8.3	136	52.35	8.56	77.9	18
602475	7089100	74	TI, BM	0.3-1.2	C	LeotaHS21	8.2	134	25.72	14.93	92.3	17.8
602500	7089100	75	TI, BM	0.3-1.2	C	LeotaHS21	1	107	45.57	6.74	78.8	18.7
602525	7089100	76	TI, BM	0.3-1.2	C	LeotaHS21	0.9	130	48.03	7.01	62.4	8
602550	7089100	77	TI, BM	0.3-1.2	C	LeotaHS21	0.5	37	13.03	6.95	63.8	4.5
602575	7089100	78	TI, BM	0.3-1.2	C	LeotaHS21	1	22	5.67	15.99	27.2	14.8
602600	7089100	79	TI, BM	0.3-1.2	C	LeotaHS21	0.5	68	24.74	11.93	43.5	9.3
602625	7089100	80	TI, BM	0.3-1.2	C	LeotaHS21	7.1	32	13.5	11.38	51.8	6.4

602650	7089100	81	TI, BM	0.3-1.2	C	LeotaHS21	3.7	60	9.5	14	33.3	4.2	
602675	7089100	82	TI, BM	0.3-1.2	C	LeotaHS19	3.5	41	21.19	4.89	55.3	4.2	
602700	7089100	83	TI, BM	0.3-1.2	C	LeotaHS19	0.4	65	7.78	7.74	32	4.8	
602725	7089100	84	TI, BM	0.3-1.2	C	LeotaHS19	1.4	29	5.04	13.83	31	3.9	
602750	7089100	85	TI, BM	0.3-1.2	C	LeotaHS19	5.7	163	22.09	13.44	52.1	10.8	
602775	7089100	86	TI, BM	0.3-1.2	C	LeotaHS19	3.6	59	6.43	21.55	19.4	6.2	
602800	7089100	87	TI, BM	0.3-1.2	C	LeotaHS19	3.6	86	11.99	12.48	46.5	10.9	
602825	7089100	88	TI, BM	0.3-1.2	C	LeotaHS19	6.3	75	19.19	13.3	44.8	8.3	
602850	7089100	89	TI, BM	0.3-1.2	C	LeotaHS19	3.5	54	20.68	13	48.6	12.1	
602875	7089100	90	TI, BM	0.3-1.2	C	LeotaHS19	2.8	42	12.32	22.05	38.7	9.9	
602900	7089100	91	TI, BM	0.3-1.2	C	LeotaHS20	3	24	21.92	6.6	57	5	
602925	7089100	92	TI, BM	0.3-1.2	C	LeotaHS20	5.6	35	15.48	15.47	43.9	7.7	
602950	7089100	93	TI, BM	0.3-1.2	C	LeotaHS20	2.8	52	20.24	12.8	44.8	12.4	
602975	7089100	94	TI, BM	0.3-1.2	C	LeotaHS20	0.5	40	9.63	20.62	26.2	4.4	
603000	7089100	95	TI, BM	0.3-1.2	C	LeotaHS20	5	80	12.8	17.34	68.4	2.8	
603025	7089100	96	TI, BM	0.3-1.2	C	LeotaHS20	5.4	93	21.27	14.47	44.9	10.8	
603050	7089100	97	TI, BM	0.3-1.2	C	LeotaHS20	1.7	21	7.77	12.83	25.6	3.7	
603075	7089100	98	TI, BM	0.3-1.2	C	LeotaHS20	19.2	47	14.39	14.8	43	19.9	
603100	7089100	99	TI, BM	0.3-1.2	C	LeotaHS20	5	83	9.65	14.64	32.2	4.2	
603125	7089100	100	TI, BM	0.3-1.2	C	LeotaHS20	17	36	10.51	17.55	33.7	17.2	
603150	7089100	101	TI, BM	0.3-1.2	C	LeotaHS20	5.7	39	13.72	12.74	38.4	10.1	
603175	7089100	102	TI, BM	0.3-1.2	C	LeotaHS18	8.9	67	16.23	11.4	41.8	13.6	
602375	7089000	103	TI, BM	0.3-1.2	C	LeotaHS21	2	68	52.19	6.25	86.2	21.9	
602350	7089000	104	TI, BM	0.3-1.2	C	LeotaHS21	4.3	69	47.66	7.35	72.7	24.3	
602325	7089000	105	TI, BM	0.3-1.2	C	LeotaHS21	1.3	70	50.52	7.78	70.4	25.7	
602300	7089000	106	TI, BM	0.3-1.2	C	LeotaHS21	4.2	79	50.75	7.94	66.3	21	
602275	7089000	107	TI, BM	0.3-1.2	C	LeotaHS21	2.4	88	69.29	7.1	62.1	47.2	
602250	7089000	108	TI, BM	0.3-1.2	C	LeotaHS21	3.9	150	95.8	6.66	81	32.5	
602225	7089000	109	TI, BM	0.3-1.2	C	LeotaHS21	0.4	108	36.16	7.74	61.4	11.9	
602200	7089000	110	TI, BM	0.3-1.2	C	LeotaHS21	3.3	159	117.3	8.35	74.5	25.5	
602375	7089100	112	TI, BM	0.3-1.2	C	LeotaHS21	1.2	110	79.52	5.59	60.2	8.8	
602350	7089100	113	TI, BM	0.3-1.2	green fragm	C	LeotaHS21	5	127	56.39	6.66	60.6	15.3
602325	7089100	114	TI, BM	0.3-1.2	C	LeotaHS21	3.8	111	65.58	6.92	69.1	10.3	
602300	7089100	115	TI, BM	0.3-1.2	C	LeotaHS21	4.1	189	51.78	7.5	61	15.2	
602275	7089100	116	TI, BM	0.3-1.2	C	LeotaHS21	4.1	95	41.47	7.73	65.2	18.1	
602250	7089100	117	TI, BM	0.3-1.2	C	LeotaHS21	0.9	62	55.97	4.42	59	10.8	
602225	7089100	118	TI, BM	0.3-1.2	C	LeotaHS21	5.5	146	58.68	7.2	56	26.6	
602200	7089100	119	TI, BM	0.3-1.2	C	LeotaHS21	3.1	136	45.01	6.63	67.1	15.9	
602375	7089200	121	TI, BM	0.3-1.2	C	LeotaHS21	<0.2	28	80.54	3.43	66.7	11.1	
602350	7089200	122	TI, BM	0.3-1.2	C	LeotaHS21	0.6	113	32.74	13.84	64.8	26.7	
602325	7089200	123	TI, BM	0.3-1.2	C	LeotaHS21	1.5	109	52.24	10.33	72.3	18.7	
602300	7089200	124	TI, BM	0.3-1.2	C	LeotaHS21	1.9	132	68.62	8.36	95.1	31	
602275	7089200	125	TI, BM	0.3-1.2	C	LeotaHS21	6	164	67.84	7.78	77.1	42.7	

602250	7089200	126	TI, BM	0.3-1.2		C	LeotaHS21	2.6	81	53.09	6.14	55.2	15.6
602225	7089200	127	TI, BM	0.3-1.2		C	LeotaHS21	1.9	80	51.71	5.2	46.1	15.6
602200	7089200	128	TI, BM	0.3-1.2		C	Alphonse1f	3.7	96	47.52	7.18	51.4	22.4
602400	7089200	129	TI, BM	0.3-1.2		C	LeotaHS21	1.5	145	44.72	8.42	75.5	77.3
602425	7089200	130	TI, BM	0.3-1.2		C	LeotaHS21	1.5	48	35.22	7.75	68.8	20.9
602450	7089200	131	TI, BM	0.3-1.2		C	LeotaHS21	1.8	127	50.16	8.59	66.6	20.3
602475	7089200	132	TI, BM	0.3-1.2		C	LeotaHS21	5.8	135	38.46	10.15	57.1	17.1
602500	7089200	133	TI, BM	0.3-1.2		C	LeotaHS21	4.7	171	29.51	9.05	51.1	14.3
602525	7089200	134	TI, BM	0.3-1.2		C	LeotaHS21	3.5	82	19.7	9.76	50.7	6.9
602550	7089200	135	TI, BM	0.3-1.2		C	LeotaHS21	3.5	170	37.48	10.65	60.9	20.6
602575	7089200	136	TI, BM	0.3-1.2		C	LeotaHS21	2.9	19	55.33	1.71	56	4.8
602600	7089200	137	TI, BM	0.3-1.2		C	LeotaHS21	4.4	62	36.44	9.52	54.5	18.4
602625	7089200	138	AP, BM	0.3-1.2		C	LeotaHS21	14.3	120	59.97	8.92	88.1	23.3
602650	7089200	139	AP, BM	0.3-1.2		C	LeotaHS22	34.5	35	12.17	11.45	41.7	34.9
602675	7089200	140	AP, BM	0.3-1.2		C	LeotaHS22	3.4	13	16.28	30.48	32.3	11.3
602700	7089200	141	AP, BM	0.3-1.2		C	LeotaHS22	3.9	32	12.75	23.13	34	8.3
602725	7089200	142	AP, BM	0.3-1.2		C	LeotaHS20	1.5	58	18.11	22.92	36.5	23.7
602750	7089200	143	AP, BM	0.3-1.2		C	LeotaHS20	6.8	126	25.43	25.39	55.5	7.7
602775	7089200	144	AP, BM	0.3-1.2		C	LeotaHS20	9.5	15	5.91	26.57	32	17.8
602800	7089200	145	AP, BM	0.3-1.2		C	LeotaHS20	1.6	51	30.46	49.53	60.4	20.1
602825	7089200	146	AP, BM	0.3-1.2		C	LeotaHS20	1	14	5.8	10.91	42.5	2.4
602850	7089200	147	AP, BM	0.3-1.2		C	LeotaHS20	7.2	68	11.37	16.89	42.4	12.7
602875	7089200	148	AP, BM	0.3-1.2		C	LeotaHS20	3	29	9.98	23.21	42.9	12.5
602900	7089200	149	AP, BM	0.3-1.2		C	LeotaHS20	1.6	13	6.55	12.04	52.8	3.6
602925	7089200	150	AP, BM	0.3-1.2		C	LeotaHS20	59.2	50	11.66	11.55	36.2	12.7
602950	7089200	151	AP, BM	0.3-1.2		C	LeotaHS20	2.4	31	6.48	11.63	52.4	2.7
602975	7089200	152	AP, BM	0.3-1.2		C	LeotaHS20	8.1	222	15.82	16.23	36.1	9.2
603000	7089200	153	AP, BM	0.3-1.2	thick soil	B	LeotaHS20	2.9	22	9.28	14.45	37.7	5.5
603025	7089200	154	AP, BM	0.3-1.2	thick soil	B	LeotaHS20	7.2	11	16.35	10.75	41.1	5.8
603050	7089200	155	AP, BM	0.3-1.2		C	LeotaHS20	20.3	48	13.08	14.51	50.9	12.8
603075	7089200	156	AP, BM	0.3-1.2		C	LeotaHS20	8.8	33	10.59	24.45	53.3	5.2
603100	7089200	157	AP, BM	0.3-1.2		C	LeotaHS20	6.8	71	11.62	16.37	40.7	8.8
603125	7089200	158	AP, BM	0.3-1.2		C	LeotaHS20	9.4	33	15.05	31.01	56.9	9.3
603150	7089200	159	AP, BM	0.3-1.2		C	LeotaHS20	7.3	31	14.9	28.09	44.4	7
603175	7089200	160	AP, BM	0.3-1.2	gravel	C	LeotaHS20	4.5	70	17.21	11.86	56.3	10.1
603200	7089200	161	AP, BM	0.3-1.2		C	LeotaHS18	1.2	52	36.96	6.43	56.3	1.2
603225	7089200	162	AP, BM	0.3-1.2	rock frag	C	LeotaHS18	5.3	27	7.53	12.42	46.2	32.2
603250	7089200	163	AP, BM	0.3-1.2	gravel	C	LeotaHS18	2.3	19	4.83	35.48	83.1	9.4
603275	7089200	164	AP, BM	0.3-1.2		C	LeotaHS18	1	89	24.18	64.23	124.6	38.8
603300	7089200	165	AP, BM	0.3-1.2	gravel	C	LeotaHS18	<0.2	28	8.13	83.59	103.9	13.7
603325	7089200	166	AP, BM	0.3-1.2	gravel	C	LeotaHS18	0.6	17	6.97	21.21	48.7	3.1
603350	7089200	167	AP, BM	0.3-1.2		C	LeotaHS18	0.4	48	7.13	14.46	19.3	3
603375	7089200	168	AP, BM	0.3-1.2	rock frag	C	LeotaHS18	<0.2	51	6.4	15.96	10.7	2.4

603400	7089200	169	AP, BM	0.3-1.2	gravel	C	LeotaHS18	2.8	22	16.47	18.45	36.9	6.9
603425	7089200	170	AP, BM	0.3-1.2	gravel	C	LeotaHS18	2.5	29	6.99	9.1	12.5	3.1
603450	7089200	171	AP, BM	0.3-1.2		C	LeotaHS18	0.9	11	13.38	19.49	6.7	1.1
603475	7089200	172	AP, BM	0.3-1.2	gravel	C	LeotaHS18	2.1	16	32.29	12.77	28.7	1.8
603500	7089200	173	AP, BM	0.3-1.2	rock frag	C	LeotaHS18	1.9	29	11.94	8.34	28.7	4.7
603525	7089200	174	AP, BM	0.3-1.2		C	LeotaHS18	2.2	31	11.81	16.26	26.1	5.7
603550	7089200	175	AP, BM	0.3-1.2	gravel	C	LeotaHS18	1.7	40	11.75	17.02	20.2	2.4
603575	7089200	176	AP, BM	0.3-1.2	gravel	C	LeotaHS18	2.6	38	27.52	45.02	60.6	1.9
603600	7089200	177	AP, BM	0.3-1.2		C	LeotaHS18	0.3	298	11.32	143.3	29.5	2.3
603625	7089200	178	AP, BM	0.3-1.2	rock frag	C	LeotaHS18	0.8	108	14.39	50.56	44.1	1.1
603650	7089200	179	AP, BM	0.3-1.2	gravel	C	LeotaHS18	1.6	101	11.09	36.58	41.6	2.4

APPENDIX III

Remediation of 2013 and 2014 pits/trenches; Sept. 8–12, 14-16, 2015

Claim Name	Grant #	Easting	Northing	Pit	Length/depth/width
Leota HS 31	YC76497	604860	7086547	T8	12 x 0.6 x 0.7
Leota HS 29	YC76495	605002	7086780	T9	15 x 0.9 x 0.7
Leota HS 29	YC76495	605120	7086992	T10	11 x 1.0 x 0.7
Leota HS 27	YC76493	605227	7087271	T11	14 x 1.3 x 0.7
Leota HS 27	YC76493	605233	7087605	T12	14 x 1.5 x 0.7
Leota OC 36	YC63584	605319	7087893	T13	7 x 1.2 x 0.7
Leota OC 36	YC63584	605413	7088095	T14	9 x 1.2 x 0.7
Leota OC 35	YC63583	605433	7088513	T15	6 x 1.6 x 0.7
Leota OC 35	YC63583	605463	7088445	T16	8 x 0.9 x 0.7
Leota OC 35	YC63583	605426	7088512	T17	7 x 1.2 x 0.7
Leota OC 26	YC63574	605286	7088810	T18	7 x 1.2 x 0.7
Leota OC 26	YC63574	605247	7089005	T19	7 x 1.6 x 0.7
Leota OC 26	YC63574	605254	7089266	T20	3 x 1.2 x 1.5
Leota OC 25	YC63573	605261	7089274	T21	5 x 1.2 x 1.5
Leota OC 25	YC63573	605357	7089465	T22	3 x 0.6 x 0.7
Leota OC 25	YC63573	605406	7089647	T23	9 x 1.2 x 0.7
Leota OC 5	YC63426	605461	7089802	T24	3 x 2.0 x 1.3
Leota OC 5	YC63426	605541	7089916	T25	9 x 1.6 x 0.7
Leota OC 5	YC63426	605619	7089932	T26	7 x 1.6 x 0.7
Leota OC 5	YC63426	605755	7089915	T27	8 x 1.7 x 0.7
Leota OC 5	YC63426	605796	7089920	T28	5 x 2 x 0.7
Leota OC 4	YC63425	605845	7089926	T29	8.5 x 1.7 x 0.7
Leota OC 4	YC63425	605936	7089912	T30	2.5 x 2 x 0.9
Leota OC 4	YC63425	606062	7089893	T31	3.5 x 2.5 x 0.9
Leota OC 4	YC63425	606147	7089912	T32	4 x 2.5 x 0.7
Leota OC 4	YC63425	606247	7089928	T33	9 x 1.5 x 0.7
Leota OC 4	YC63425	606330	7090006	T34	6 x 1.2 x 0.7
Leota OC 4	YC63425	605289	7090046	T35	1.5 x 1 x 0.7
Leota OC 2	YC63423	606440	7089970	T71	5 x 1.3 x 1
Leota QV 1	YC63400	609010	7089900	T72	1.5 x 1.3 x 0.8
Leota KS 93	YC63383	608793	7089841	T73	2 x 1.6 x 0.9
Leota KS 93	YC63383	608603	7089851	T74	5 x 0.7 x 0.7
Leota KS 92	YC63382	608405	7089895	T75	6 x 1.3 x 0.8
Leota KS 90	YC63380	608195	7089863	T76	4 x 2.2 x 0.7
Leota KS 90	YC63380	607995	7089952	T77	3 x 1.6 x 0.7

Leota KS 88	YC63378	607803	7090014	T78	4 x 2 x 0.9
Leota KS 88	YC63378	607604	7090066	T79	4 x 1.8 x 1
Leota KS 88	YC63378	607394	7090153	T80	2 x 1 x 1
Leota QV 1	YC63400	608893	7089870	T81	2.5 x 2 x 0.9
Leota QV 1	YC63400	609108	7089913	T82	2.5 x 1 x 0.8
Leota QV 1	YC63400	609204	7089916	T83	2.5 x 1.2 x 0.8
Leota QV 1	YC63400	609308	7089918	T84	2.5 x 1.3 x 0.8
Leota QV 3	YC63402	609411	7089923	T85	3.5 x 1.5 x 0.8
Leota QV 3	YC63402	609504	7089951	T86	6 x 1.7 x 0.8
Leota QV 3	YC63402	609599	7089955	T87	3.5 x 1 x 0.8
Leota TMG 1	YC63593	609797	7089897	T108	5.5 x 1 x 0.8
Leota TMG 2	YC63594	609907	7089889	T109	5 x 1.5 x 0.8
Leota TMG 2	YC63594	610011	7089855	T110	3.5 x 1 x 0.9
Leota TMG 2	YC63594	610098	7089881	T111	4 x 1.6 x 0.9
Leota TMG 2	YC63594	610219	7089921	T112	3 x 1.2 x 0.8
Leota TMG 2	YC63594	610315	7089944	T113	4 x 1.2 x 0.8
Leota KS 78	YC63369	610411	7090001	T114	3 x 1.8 x 0.8
Leota KS 78	YC63369	610510	7090079	T115	3.5 x 1.8 x 0.8
Leota KS 75	YC63366	610582	7090144	T116	3 x 2.3 x 2
Leota KS 75	YC63366	610703	7090238	T117	4 x 2 x 0.8
Leota KS 75	YC63366	610816	7090247	T118	3.5 x 1.2 x 0.8
Leota KS 77	YC63368	610987	7090266	T119	4 x 2 x 1
Leota KS 77	YC63368	611164	7090295	T120	1.5 x 1.2 x 1.5
Leota RD 1	YC63601	611160	7090467	T121	3 x 1.3 x 2
Leota RD 1	YC63601	611297	7090592	T122	4 x 1 x 1.2
Leota RD 1	YC63601	611483	7090690	T123	4 x 1 x 0.9
Leota KS 68	YC63356	611665	7090778	T124	4 x 1.2 x 1
Leota KS 68	YC63356	611868	7090805	T125	4 x 1.2 x 0.8
Leota KS 68	YC63356	612059	7090855	T126	4 x 1.6 x 0.8
Leota KS 43	YC63334	612229	7090974	T127	3 x 1.7 x 0.9
Leota KS 43	YC63334	612391	7091086	T128	4 x 1.2 x 0.8
Leota KS 43	YC63334	612523	7091166	T129	4 x 1.6 x 0.9
Leota KS 44	YC63335	612679	7091300	T130	5 x 1.6 x
Leota KS 44	YC63335	612796	7091457	T131	4 x 1.4 x 0.8
Leota KS 34	YC63325	613020	7091663	T132	3.5 x 1.2 x 0.7
Leota KS 34	YC63325	613208	7091733	T133	2.5 x 2 x 0.9
Leota KS 34	YC63325	613390	7091769	T134	2.5 x 1 x 0.9
Leota KS 36	YC63327	613589	7091756	T135	3 x 1 x 0.8
Leota KS 36	YC63327	613807	7091758	T136	3 x 1 x 1

Leota KS 37	YC63328	614008	7091809	T137	3 x 1 x 0.9
Leota KS 37	YC63328	614182	7091899	T138	3 x 1 x 0.7
Leota KS 37	YC63328	614398	7091962	T139	3 x 1.2 x 1
Leota KS 39	YC63330	614589	7091959	T140	4 x 1.7 x 0.8
Leota KS 27	YC63318	614784	7091901	T141	3 x 1.2 x 0.8
Leota KS 28	YC63319	614991	7091830	T142	4 x 1.3 x 0.8
Leota KS 28	YC63319	615198	7091778	T143	3.5 x 1.2 x 0.8
Leota KS 28	YC63319	615380	7091808	T144	3 x 1.2 x 0.9
Leota AGC 7	YC63482	615528	7091846	T145	5 x 2 x 0.8
Leota AGC 7	YC63482	615599	7091939	T146	4 x 1.2 x 0.8
Leota AGC 9	YC63484	615721	7092091	T147	4 x 1.2 x 2
Leota KS 75	YC63366	610741	7090163	T148	4.5 x 2 x 0.8
Leota KS 79	YC63370	611513	7089801	T170	4.5 x 1.5 x 0.8
Leota KS 79	YC63370	611494	7089902	T171	4 x 1.2 x 0.9
Leota KS 79	YC63370	611455	7090007	T172	4 x 1.6 x 0.9
Leota KS 79	YC63370	611456	7090110	T173	3 x 2.2 x 0.8
Leota KS 79	YC63370	611444	7090184	T174	3.5 x 1.7 x 0.8
				91	

Claim Name	Grant No.	Pits	Remediation/Samples	Date
Leota DM 11	YC64334	T1	22 x 1.5 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T2	3 x 3 x 1.2	Sep. 5-7, 2015
Leota DM 11	YC64334	T3	6.5 x 1 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T4	26 x 1 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T4A	33 x 1.5 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T5	22 x 1.5 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T6	7 x 1 x 0.7	Sep. 5-7, 2015
Leota DM 11	YC64334	T195	7.5 x 1.7 x 0.8	Sep. 5-7, 2015
Leota DM 11	YC64334	T196	12 x 2 x 0.9	Sep. 5-7, 2015
Leota DM 11	YC64334	T197	12 x 1.7 x 1	Sep. 5-7, 2015
Leota DM 11	YC64334	T198	17 x 1.7 x 0.8	Sep. 5-7, 2015
Leota DM 11	YC64334	T198A	9 x 1.3 x 0.8	Sep. 5-7, 2015
Total pits remediated			12	

APPENDIX IV

Leota Claim Block, Claim Status

Grant Number	Claim Name	Claim Nbr	Claim Owner	ExpiryDate
YD11818	CT	15	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11819	CT	16	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11820	CT	17	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11821	CT	18	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11822	CT	19	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11823	CT	20	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11824	CT	21	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11825	CT	22	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11826	CT	23	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11827	CT	24	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11828	CT	25	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11829	CT	26	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44230	CT	27	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44231	CT	28	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44232	CT	29	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44233	CT	30	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44234	CT	31	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44235	CT	32	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44236	CT	33	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44237	CT	34	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11840	CT	35	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44225	CT	36	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44226	CT	37	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44227	CT	38	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44228	CT	39	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD44229	CT	40	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11814	GC	1	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11815	GC	2	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11816	GC	3	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11817	GC	4	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11830	GC	5	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11831	GC	6	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11832	GC	7	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11833	GC	8	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11834	GC	9	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11835	GC	10	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11836	GC	11	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11837	GC	12	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11838	GC	13	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11839	GC	14	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11801	HC	40	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11802	HC	41	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11803	HC	42	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11804	HC	43	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015
YD11805	HC	44	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/15/2015

YC63224	Leota PT	13	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63225	Leota PT	14	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63226	Leota PT	15	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63227	Leota PT	16	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63228	Leota PT	17	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63229	Leota PT	18	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63230	Leota PT	19	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63400	Leota QV	1	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63401	Leota QV	2	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63402	Leota QV	3	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63403	Leota QV	4	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63404	Leota QV	5	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63405	Leota QV	6	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63406	Leota QV	7	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63407	Leota QV	8	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63408	Leota QV	9	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63409	Leota QV	10	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63410	Leota QV	11	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63411	Leota QV	12	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63412	Leota QV	13	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63413	Leota QV	14	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63414	Leota QV	15	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63415	Leota QV	16	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63601	Leota RD	1	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63602	Leota RD	2	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63603	Leota RD	3	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63604	Leota RD	4	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84056	Leota Sm	888	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63593	Leota TMG	1	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63594	Leota TMG	2	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63595	Leota TMG	3	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63596	Leota TMG	4	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63597	Leota TMG	5	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63598	Leota TMG	6	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63599	Leota TMG	7	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63600	Leota TMG	8	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84058	Leota V	1	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84059	Leota V	2	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84060	Leota V	3	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84061	Leota V	4	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84062	Leota V	5	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84063	Leota V	6	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84064	Leota V	7	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84065	Leota V	8	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84066	Leota V	9	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84067	Leota V	10	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84068	Leota V	11	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84069	Leota V	12	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84070	Leota V	13	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC84071	Leota V	14	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015

YC63969	Leota VC	37	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63970	Leota VC	38	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63971	Leota VC	39	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63972	Leota VC	40	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63987	Leota VC	41	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63988	Leota VC	42	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63989	Leota VC	43	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63990	Leota VC	44	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63973	Leota VC	45	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63974	Leota VC	46	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63975	Leota VC	47	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63976	Leota VC	48	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63977	Leota VC	49	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63978	Leota VC	50	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63979	Leota VC	51	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015
YC63980	Leota VC	52	Mark Pocklington - 50%, 650393 B.C. Ltd - 50%	10/31/2015

APPENDIX V
Assay Certificates



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: **XyQuest Goldbank**
604-889 Pender Street W
Vancouver BC V6C 3B2 CANADA

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: July 12, 2016
Report Date: August 25, 2016
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI16000107.1

CLIENT JOB INFORMATION

Project: Leota
Shipment ID:
P.O. Number
Number of Samples: 161

SAMPLE DISPOSAL

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

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: XyQuest Goldbank
604-889 Pender Street W
Vancouver BC V6C 3B2
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	157	Dry at 60C			WHI
SS80	157	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	157	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	157	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.



Bureau Veritas Commodities Canada Ltd.

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Client: **XyQuest Goldbank**
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Project: Leota
Report Date: August 25, 2016

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CERTIFICATE OF ANALYSIS

WHI16000107.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1	Soil	0.86	25.65	17.15	56.5	105	24.5	8.8	389	2.61	9.5	1.9	8.1	9.3	23.9	0.10	0.65	0.25	33	0.34	0.054
2	Soil	1.05	23.42	16.88	58.1	87	37.5	13.5	626	2.73	15.2	1.3	5.7	9.5	17.3	0.16	0.63	0.24	33	0.29	0.036
3	Soil	0.73	24.28	10.04	59.1	85	23.1	8.4	312	2.47	7.9	1.2	4.2	8.1	22.0	0.09	0.61	0.19	35	0.35	0.064
4	Soil	0.84	11.62	14.45	35.9	48	7.2	5.7	325	1.50	7.2	1.3	3.2	10.0	13.3	0.10	0.29	0.18	13	0.17	0.035
5	Soil	0.79	7.65	14.01	42.7	22	6.8	5.0	199	1.83	11.5	1.1	9.7	9.4	11.7	0.04	0.34	0.17	16	0.13	0.022
6	Soil	0.68	10.77	12.45	36.7	31	9.6	3.7	171	1.51	5.6	1.0	1.9	12.1	13.5	0.05	0.34	0.29	18	0.15	0.025
7	Soil	0.29	8.23	16.03	26.1	16	5.5	2.1	186	1.00	3.1	0.7	4.1	15.8	8.7	0.03	0.35	0.30	7	0.11	0.019
8	Soil	1.02	8.68	28.87	67.3	21	5.0	2.9	124	1.45	6.5	2.0	5.9	13.4	12.7	0.13	0.24	0.31	5	0.09	0.015
9	Soil	0.45	7.84	17.81	61.4	9	5.0	2.9	245	1.88	8.9	2.2	5.6	17.9	9.7	0.14	0.23	0.23	7	0.06	0.016
10	Soil	0.78	10.05	14.86	51.3	59	6.3	3.5	299	1.53	8.4	1.6	7.9	16.6	14.2	0.18	0.24	0.33	8	0.16	0.046
11	Soil	1.13	6.72	25.16	72.2	33	4.7	2.2	97	0.85	9.1	3.5	2.3	21.2	7.9	0.10	0.26	0.50	4	0.10	0.016
12	Soil	2.40	5.84	20.63	23.0	23	2.9	0.7	84	0.65	16.0	1.6	1.3	17.2	8.7	0.03	0.14	1.96	<2	0.07	0.004
13	Soil	1.73	6.23	11.22	30.5	13	5.4	2.1	111	0.92	6.6	1.6	0.9	20.2	12.1	0.03	0.20	0.64	6	0.15	0.009
14	Soil	1.23	15.55	64.26	85.3	57	9.4	6.3	336	1.74	3.6	2.0	3.4	20.2	16.4	0.10	0.25	0.34	14	0.22	0.037
15	Soil	0.99	12.12	25.01	54.7	53	10.8	8.1	554	1.77	5.9	1.7	1.4	11.4	17.7	0.11	0.24	0.70	20	0.28	0.044
16	Soil	1.01	12.94	35.58	55.3	35	10.2	6.4	364	1.67	4.4	1.8	1.1	14.9	16.4	0.12	0.36	0.43	19	0.23	0.027
17	Soil	0.77	12.98	27.67	42.3	40	9.9	4.9	197	1.48	3.4	1.3	1.3	12.4	11.3	0.14	0.34	0.28	21	0.13	0.012
18	Soil	0.83	22.28	36.44	53.8	55	14.3	5.7	288	1.73	5.3	1.7	4.1	13.7	12.4	0.14	0.51	0.30	28	0.10	0.020
19	Soil	0.97	24.35	47.21	75.6	166	15.9	7.6	309	2.12	6.5	2.2	2.6	15.5	12.0	0.21	0.47	0.39	35	0.10	0.015
20	Soil	1.45	35.27	99.17	140.1	92	8.9	7.3	517	1.75	2.2	2.9	1.7	17.3	10.5	0.59	0.42	0.54	20	0.10	0.020
21	Soil	0.82	12.38	34.83	38.9	107	4.8	2.0	164	0.87	1.4	1.3	0.4	13.1	5.3	0.15	0.22	0.26	9	0.05	0.017
22	Soil	0.78	13.18	33.76	44.7	73	8.7	3.5	156	1.23	2.9	1.5	1.2	12.6	6.7	0.11	0.25	0.25	19	0.06	0.012
23	Soil	1.35	12.81	31.59	45.3	61	9.4	5.0	242	1.57	4.7	1.6	5.1	9.8	10.2	0.09	0.26	0.32	26	0.11	0.033
24	Soil	5.52	31.52	266.03	46.7	168	5.7	1.9	87	1.84	3.8	2.2	1.6	19.8	15.3	0.09	0.31	2.36	11	0.04	0.031
25	Soil	1.17	8.00	42.19	11.7	59	1.8	0.3	12	1.52	0.4	1.5	0.6	12.8	9.5	0.03	0.34	1.22	<2	0.02	0.012
26	Soil	1.31	20.69	13.56	60.1	83	22.2	8.9	326	2.16	6.9	2.1	2.1	8.2	28.7	0.25	0.40	0.42	32	0.46	0.056
27	Soil	1.50	14.07	14.67	50.1	38	18.1	7.9	238	2.04	6.9	2.4	1.7	7.8	14.9	0.14	0.22	0.51	22	0.20	0.045
28	Soil	0.54	11.66	16.19	34.9	64	7.7	4.4	313	1.43	5.9	1.2	7.1	13.0	11.9	0.12	0.46	0.13	10	0.16	0.029
29	Soil	0.69	19.43	12.90	38.7	86	15.8	8.5	353	2.22	9.8	1.3	8.5	7.2	22.2	0.05	0.48	0.20	37	0.31	0.037
30	Soil	0.88	5.45	10.40	30.4	9	4.4	3.1	159	1.33	5.1	0.7	1.9	4.6	8.1	0.04	0.28	0.18	12	0.10	0.014



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Project: Leota
Report Date: August 25, 2016

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CERTIFICATE OF ANALYSIS

WHI16000107.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
1	Soil	23.3	23.6	0.34	483.5	0.019	1	1.14	0.007	0.12	0.1	6.3	0.14	<0.02	72	<0.1	<0.02	3.3
2	Soil	24.2	41.5	0.52	464.4	0.022	<1	1.27	0.004	0.10	0.1	5.3	0.10	<0.02	35	<0.1	<0.02	3.6
3	Soil	21.4	26.7	0.47	431.7	0.039	<1	1.15	0.007	0.13	0.2	5.5	0.14	<0.02	32	<0.1	<0.02	4.0
4	Soil	24.6	8.7	0.13	306.9	0.009	<1	0.46	0.004	0.08	<0.1	2.6	0.09	<0.02	52	0.2	<0.02	1.4
5	Soil	15.4	10.8	0.15	216.3	0.010	<1	0.71	0.003	0.09	<0.1	3.2	0.11	<0.02	32	<0.1	<0.02	2.0
6	Soil	14.9	14.4	0.25	217.7	0.022	1	0.72	0.004	0.10	0.1	4.2	0.13	<0.02	26	<0.1	<0.02	2.8
7	Soil	27.4	6.8	0.09	187.0	0.004	1	0.39	0.003	0.08	<0.1	3.4	0.08	<0.02	89	<0.1	<0.02	1.1
8	Soil	22.9	4.0	0.07	223.7	0.001	<1	0.37	0.002	0.10	<0.1	4.8	0.10	<0.02	158	<0.1	<0.02	1.2
9	Soil	36.2	4.7	0.07	177.5	0.002	1	0.40	0.002	0.11	0.1	6.1	0.12	<0.02	135	<0.1	0.02	1.5
10	Soil	31.1	6.9	0.11	175.6	0.005	<1	0.47	0.003	0.11	0.3	5.0	0.13	<0.02	49	<0.1	<0.02	1.5
11	Soil	14.8	5.3	0.06	197.9	0.003	1	0.40	0.004	0.10	0.5	2.2	0.18	<0.02	61	<0.1	0.05	1.4
12	Soil	17.5	2.8	0.04	431.1	<0.001	1	0.37	0.010	0.09	0.3	1.4	0.11	0.04	20	<0.1	<0.02	0.9
13	Soil	45.4	5.7	0.10	682.7	0.004	<1	0.66	0.004	0.13	0.4	2.3	0.16	<0.02	16	<0.1	<0.02	1.8
14	Soil	32.7	9.9	0.23	587.6	0.007	<1	0.73	0.005	0.12	0.2	4.6	0.13	<0.02	25	<0.1	<0.02	2.2
15	Soil	26.9	14.9	0.23	464.3	0.010	1	0.86	0.006	0.12	0.2	3.9	0.16	<0.02	34	<0.1	<0.02	2.9
16	Soil	34.7	15.6	0.22	544.2	0.010	1	0.89	0.005	0.09	0.2	3.5	0.13	<0.02	22	<0.1	<0.02	2.8
17	Soil	29.3	15.9	0.31	773.7	0.028	<1	0.81	0.005	0.07	<0.1	3.4	0.08	<0.02	19	<0.1	<0.02	2.6
18	Soil	42.0	20.7	0.34	679.2	0.038	2	1.02	0.006	0.06	0.1	4.4	0.09	<0.02	30	<0.1	<0.02	3.1
19	Soil	41.6	27.3	0.41	942.9	0.044	2	1.36	0.006	0.08	<0.1	4.9	0.11	<0.02	22	<0.1	0.03	3.8
20	Soil	77.4	14.7	0.55	880.7	0.035	<1	1.00	0.003	0.19	<0.1	4.6	0.30	<0.02	19	<0.1	<0.02	2.6
21	Soil	31.8	7.5	0.15	361.9	0.015	<1	0.52	0.003	0.08	<0.1	1.8	0.07	<0.02	14	<0.1	<0.02	1.8
22	Soil	32.0	13.5	0.27	414.0	0.032	<1	0.76	0.004	0.08	<0.1	2.3	0.08	<0.02	42	<0.1	<0.02	2.6
23	Soil	28.3	16.5	0.23	424.2	0.025	2	0.94	0.005	0.07	0.1	2.1	0.07	<0.02	27	<0.1	<0.02	2.7
24	Soil	46.8	9.7	0.09	624.1	0.007	2	0.54	0.006	0.10	0.1	2.2	0.06	0.06	8	0.2	0.06	1.5
25	Soil	23.0	2.1	0.02	263.2	0.003	<1	0.23	0.017	0.08	<0.1	1.2	0.05	0.11	16	1.1	0.13	1.0
26	Soil	22.1	30.9	0.69	299.7	0.046	1	1.03	0.011	0.07	0.3	3.2	0.06	0.03	27	<0.1	<0.02	3.2
27	Soil	22.2	28.7	0.55	220.1	0.025	1	0.71	0.003	0.06	0.2	2.3	0.04	0.04	10	0.1	0.05	2.0
28	Soil	24.4	7.7	0.14	247.6	0.007	2	0.57	0.004	0.12	0.1	3.7	0.12	<0.02	52	<0.1	<0.02	2.0
29	Soil	22.5	23.7	0.40	460.8	0.037	2	1.20	0.010	0.06	0.1	4.6	0.08	<0.02	39	0.2	<0.02	3.6
30	Soil	6.9	7.8	0.22	136.1	0.022	1	0.60	0.003	0.19	<0.1	2.3	0.20	<0.02	6	<0.1	<0.02	2.7



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CERTIFICATE OF ANALYSIS

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31	Soil	Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252		
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
31	Soil		0.42	7.16	15.49	26.8	25	8.9	2.5	223	1.08	4.0	0.9	1.0	12.1	10.7	0.08	0.26	0.12	7	0.08	0.012	
32	Soil		0.38	9.82	11.80	21.9	23	4.5	1.7	103	0.92	5.1	0.7	6.4	11.2	6.9	0.03	0.28	0.15	6	0.08	0.016	
33	Soil		0.68	8.18	15.96	30.8	21	4.1	1.8	88	1.00	4.4	1.1	7.0	12.9	6.3	0.05	0.37	0.14	8	0.08	0.010	
34	Soil		0.78	9.81	16.13	34.3	44	8.6	4.7	184	1.53	6.2	0.7	3.5	8.4	10.4	0.02	0.32	0.16	25	0.18	0.010	
35	Soil		0.47	7.14	12.29	41.6	24	4.1	2.8	173	1.24	3.2	0.9	1.7	8.1	5.6	0.05	0.29	0.21	8	0.10	0.016	
36	Soil		0.66	9.98	13.47	36.5	96	8.1	3.4	172	1.39	4.9	1.0	4.6	15.5	8.8	0.06	0.27	0.20	17	0.13	0.013	
37	Soil		0.49	7.86	13.66	41.6	31	5.5	3.5	135	1.57	3.3	0.9	4.4	10.9	6.8	0.09	0.26	0.16	14	0.08	0.013	
38	Soil		0.16	3.63	7.54	22.7	13	1.5	1.4	129	0.83	1.5	0.8	2.8	9.0	13.3	0.08	0.17	0.07	3	0.13	0.037	
39	Soil		0.41	14.04	14.24	22.5	20	2.6	1.9	102	0.78	15.4	0.9	1.4	11.0	6.3	0.05	0.21	0.20	4	0.09	0.021	
40	Soil		0.45	5.90	11.36	27.7	50	6.8	2.7	94	1.42	6.8	0.5	3.3	6.2	9.3	0.01	0.26	0.14	21	0.13	0.016	
41	Soil		0.54	4.16	21.65	28.5	17	3.2	2.2	135	0.84	1.2	0.8	1.2	9.8	11.9	0.10	0.13	0.15	4	0.09	0.021	
42	Soil		0.53	14.36	11.40	38.7	102	14.4	5.8	250	1.76	7.5	1.1	5.3	8.4	17.4	0.05	0.30	0.17	29	0.24	0.043	
43	Soil		0.50	9.55	18.44	26.0	34	2.7	1.9	93	0.85	2.8	0.9	3.2	11.2	5.2	0.10	0.16	0.22	4	0.08	0.012	
44	Soil		0.51	22.86	11.32	49.5	120	57.3	11.1	423	2.67	11.9	1.3	10.5	5.9	22.5	0.14	0.46	0.14	55	0.52	0.044	
45	Soil		0.71	39.29	20.89	60.3	182	34.3	16.4	548	3.33	19.6	1.9	8.9	5.4	23.9	0.22	0.47	0.34	47	0.75	0.068	
46	Soil		0.55	30.05	10.86	50.5	76	34.4	11.7	997	2.60	8.3	2.6	7.4	4.0	42.8	0.30	0.41	0.11	40	1.36	0.075	
47	Soil		0.77	33.78	9.03	80.8	119	44.2	15.4	501	3.44	23.2	0.7	3.0	4.2	30.0	0.38	0.74	0.17	62	0.64	0.088	
48	Soil		0.41	36.28	5.61	58.2	88	54.2	16.8	512	2.87	17.9	0.5	6.9	2.1	27.7	0.08	0.41	0.09	61	0.74	0.069	
49	Soil		0.66	19.07	10.77	44.2	78	27.9	7.2	228	1.94	11.0	0.9	6.0	7.8	17.3	0.13	0.33	0.15	34	0.29	0.042	
50	Soil		0.94	37.24	7.84	61.6	125	56.6	14.6	584	3.03	20.5	0.9	28.2	3.5	23.2	0.14	0.46	0.14	64	0.41	0.051	
51	Soil		0.86	35.30	8.24	64.1	109	70.8	13.3	398	2.95	16.0	0.8	4.9	2.9	22.0	0.13	0.45	0.16	71	0.40	0.048	
52	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
53	Soil		2.43	28.92	56.83	61.7	212	10.0	5.2	232	1.83	1.8	1.9	0.3	13.8	10.1	0.30	0.31	0.61	23	0.08	0.023	
54	Soil		1.02	14.44	44.48	54.6	41	5.2	3.0	134	1.11	1.4	1.2	<0.2	11.4	6.5	0.19	0.22	0.32	12	0.08	0.021	
55	Soil		1.02	20.26	42.51	61.5	45	9.8	4.9	206	1.60	2.8	1.7	1.7	13.3	9.0	0.30	0.28	0.37	21	0.10	0.022	
56	Soil		1.38	17.21	41.58	42.1	51	4.7	3.8	226	1.14	2.3	1.6	0.5	14.9	6.4	0.19	0.24	0.30	14	0.07	0.023	
57	Soil		2.33	14.06	74.03	78.0	87	3.0	4.4	651	1.05	<0.1	2.5	0.8	23.7	13.0	0.21	0.38	0.65	3	0.05	0.016	
58	Soil		1.80	8.58	9.77	24.3	34	7.7	4.4	189	1.52	4.3	1.1	1.7	9.1	10.1	0.04	0.27	0.61	26	0.09	0.016	
59	Soil		2.55	7.93	11.04	26.5	46	8.0	6.0	231	1.84	4.9	0.8	1.4	9.4	7.5	0.05	0.31	0.52	24	0.05	0.020	
60	Soil		1.50	12.66	17.49	37.0	49	10.2	6.0	263	1.87	6.4	1.1	6.7	11.7	9.7	0.04	0.36	0.49	30	0.09	0.027	



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Project: Leota
Report Date: August 25, 2016

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	0.1
31	Soil	26.6	6.4	0.10	179.8	0.004	<1	0.39	0.002	0.10	<0.1	3.3	0.10	<0.02	25	<0.1	<0.02	1.5
32	Soil	15.0	4.3	0.13	136.7	0.008	1	0.44	0.002	0.12	<0.1	3.4	0.13	<0.02	9	0.2	<0.02	2.0
33	Soil	31.5	5.2	0.09	345.2	0.004	1	0.40	0.002	0.08	<0.1	3.8	0.07	<0.02	146	<0.1	<0.02	1.2
34	Soil	17.0	14.8	0.25	513.2	0.021	2	0.82	0.006	0.07	0.1	3.1	0.07	<0.02	17	<0.1	<0.02	2.2
35	Soil	12.1	6.3	0.16	216.5	0.010	1	0.46	0.003	0.11	<0.1	3.4	0.10	<0.02	11	<0.1	<0.02	1.8
36	Soil	37.8	10.1	0.20	324.4	0.016	<1	0.59	0.004	0.08	<0.1	3.8	0.08	<0.02	40	0.1	<0.02	1.7
37	Soil	19.6	8.7	0.24	182.0	0.019	1	0.73	0.003	0.19	<0.1	3.4	0.17	<0.02	24	<0.1	<0.02	2.2
38	Soil	15.2	2.1	0.17	105.4	0.015	<1	0.36	0.001	0.16	<0.1	2.1	0.12	<0.02	13	<0.1	<0.02	1.5
39	Soil	11.8	2.5	0.16	72.0	0.009	1	0.45	0.001	0.14	0.1	1.7	0.13	<0.02	<5	<0.1	<0.02	1.4
40	Soil	18.1	10.4	0.23	201.0	0.019	<1	0.78	0.005	0.10	0.1	2.0	0.08	<0.02	18	0.1	<0.02	2.7
41	Soil	12.2	2.9	0.17	60.1	0.013	1	0.49	0.001	0.16	<0.1	1.2	0.12	<0.02	5	<0.1	<0.02	1.5
42	Soil	27.3	20.4	0.36	264.6	0.037	1	0.88	0.007	0.09	0.2	3.5	0.08	<0.02	37	0.2	<0.02	2.4
43	Soil	21.8	3.3	0.06	245.4	0.002	2	0.37	0.002	0.11	<0.1	1.7	0.06	<0.02	14	0.2	<0.02	1.0
44	Soil	20.9	91.8	0.84	550.9	0.026	1	1.43	0.008	0.07	0.2	6.4	0.08	<0.02	38	0.4	<0.02	4.1
45	Soil	19.6	41.1	0.64	404.8	0.014	2	1.42	0.009	0.08	0.1	6.5	0.08	<0.02	41	0.2	0.03	4.2
46	Soil	21.0	39.1	0.61	316.2	0.011	4	1.22	0.006	0.09	<0.1	6.3	0.07	0.04	71	0.6	0.03	2.9
47	Soil	14.8	51.3	0.90	349.5	0.063	3	1.48	0.020	0.08	0.3	5.3	0.07	0.02	14	0.3	0.02	4.6
48	Soil	10.7	72.1	1.02	230.5	0.039	2	1.56	0.009	0.05	0.2	5.9	0.06	0.03	31	0.2	0.05	4.8
49	Soil	26.4	39.3	0.47	268.9	0.030	<1	1.13	0.006	0.07	0.2	3.8	0.08	<0.02	23	0.4	<0.02	3.2
50	Soil	14.8	83.6	0.95	332.0	0.042	2	1.87	0.009	0.05	0.2	6.0	0.08	<0.02	25	<0.1	<0.02	5.5
51	Soil	15.0	110.1	1.11	310.9	0.044	1	2.05	0.008	0.04	0.1	6.7	0.09	<0.02	38	0.1	<0.02	6.3
52	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
53	Soil	50.6	16.3	0.25	794.9	0.014	<1	0.84	0.003	0.19	<0.1	4.1	0.15	<0.02	22	<0.1	0.05	3.0
54	Soil	40.9	9.8	0.29	414.7	0.022	<1	0.53	0.002	0.14	<0.1	2.5	0.12	<0.02	5	<0.1	<0.02	2.0
55	Soil	48.6	15.9	0.35	607.8	0.021	<1	0.82	0.003	0.13	0.1	3.2	0.13	<0.02	11	0.5	<0.02	2.3
56	Soil	47.7	9.3	0.17	390.4	0.011	1	0.55	0.003	0.09	<0.1	2.6	0.07	<0.02	12	0.2	<0.02	1.6
57	Soil	73.0	2.9	0.04	1281.5	0.002	2	0.36	0.005	0.13	<0.1	1.7	0.09	0.04	13	0.5	<0.02	0.9
58	Soil	23.7	14.6	0.22	464.1	0.025	1	0.82	0.005	0.06	<0.1	2.1	0.06	<0.02	<5	0.1	<0.02	2.4
59	Soil	14.2	13.9	0.19	370.9	0.018	1	0.86	0.005	0.07	<0.1	2.0	0.06	<0.02	8	0.4	0.06	2.6
60	Soil	16.3	19.7	0.25	383.1	0.026	2	1.15	0.005	0.06	0.1	2.6	0.09	<0.02	7	0.3	<0.02	3.3



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
61	Soil	1.62	7.68	25.66	15.6	20	3.8	4.0	308	0.87	2.7	1.9	0.7	14.8	6.1	0.04	0.22	0.31	11	0.06	0.021
62	Soil	0.70	5.83	30.07	27.6	16	2.5	5.1	115	0.63	1.5	1.9	<0.2	16.0	2.6	0.05	0.18	0.48	4	0.01	0.011
63	Soil	0.56	5.78	20.39	26.9	9	3.6	2.5	74	0.82	2.3	1.1	<0.2	11.7	3.5	0.05	0.16	0.22	8	0.02	0.008
64	Soil	1.17	11.60	82.35	42.9	25	5.0	3.0	332	0.85	1.9	2.1	0.7	16.0	13.3	0.14	0.27	0.34	6	0.06	0.010
65	Soil	0.96	13.61	51.88	50.8	17	3.6	1.9	83	0.72	1.9	1.0	1.0	11.8	7.6	0.02	0.21	0.31	6	0.05	0.012
66	Soil	1.15	13.67	28.81	41.4	37	9.8	3.4	140	1.38	6.1	2.8	0.9	17.7	15.0	0.07	0.39	0.57	23	0.16	0.018
67	Soil	0.83	12.20	21.26	53.8	90	12.4	5.8	296	1.76	10.4	3.0	1.0	12.5	22.1	0.07	0.43	0.72	27	0.39	0.037
68	Soil	0.66	11.08	22.68	59.8	71	10.0	5.3	247	1.79	11.1	1.9	1.0	11.8	17.3	0.08	0.37	0.73	27	0.33	0.040
69	Soil	0.56	18.89	25.73	59.1	97	16.2	6.6	282	2.08	9.3	2.3	1.3	11.8	24.1	0.05	0.53	0.55	36	0.41	0.039
70	Soil	0.36	7.74	22.03	44.5	15	4.8	2.8	190	1.27	8.9	1.5	2.2	14.8	13.2	0.13	0.23	0.16	7	0.08	0.021
71	Soil	0.60	29.66	13.82	75.9	99	40.9	17.4	816	3.40	10.1	1.0	1.6	8.9	20.1	0.16	0.21	0.13	34	0.78	0.097
72	Soil	0.73	33.99	13.43	81.3	121	76.6	17.3	778	3.75	22.2	1.0	29.1	6.6	25.0	0.44	0.62	0.14	58	0.67	0.088
73	Soil	0.52	52.35	8.56	77.9	136	128.0	21.7	650	3.91	18.0	0.9	8.3	4.0	29.3	0.18	0.51	0.15	86	0.84	0.074
74	Soil	0.93	25.72	14.93	92.3	134	28.6	14.3	845	3.67	17.8	1.1	8.2	8.5	19.3	0.30	0.48	0.11	32	0.49	0.097
75	Soil	0.55	45.57	6.74	78.8	107	36.2	22.6	876	3.87	18.7	0.5	1.0	6.2	22.0	0.14	0.41	0.06	37	1.80	0.093
76	Soil	0.48	48.03	7.01	62.4	130	50.7	19.3	774	4.01	8.0	0.8	0.9	4.2	20.6	0.09	0.40	0.12	91	0.64	0.070
77	Soil	0.50	13.03	6.95	63.8	37	10.1	13.8	795	3.71	4.5	0.6	0.5	5.2	18.7	0.10	0.17	0.08	26	1.41	0.161
78	Soil	0.19	5.67	15.99	27.2	22	4.2	1.2	125	0.88	14.8	1.3	1.0	13.6	6.8	0.06	0.35	0.24	5	0.17	0.013
79	Soil	0.51	24.74	11.93	43.5	68	71.3	13.5	551	2.55	9.3	1.2	0.5	6.5	15.8	0.12	0.38	0.13	58	0.29	0.050
80	Soil	0.39	13.50	11.38	51.8	32	13.8	5.1	341	2.23	6.4	1.4	7.1	13.1	14.3	0.05	0.31	0.18	21	0.17	0.025
81	Soil	0.39	9.50	14.00	33.3	60	9.0	3.3	144	1.27	4.2	1.6	3.7	12.7	10.5	0.04	0.26	0.19	16	0.16	0.035
82	Soil	0.53	21.19	4.89	55.3	41	20.3	14.9	460	3.29	4.2	0.8	3.5	5.7	20.7	0.03	0.29	0.05	60	0.39	0.083
83	Soil	0.58	7.78	7.74	32.0	65	10.5	5.1	340	1.65	4.8	0.4	0.4	3.7	12.9	0.07	0.34	0.24	34	0.16	0.010
84	Soil	0.53	5.04	13.83	31.0	29	3.8	1.9	73	1.02	3.9	1.1	1.4	7.6	5.0	0.03	0.35	0.22	8	0.06	0.009
85	Soil	0.50	22.09	13.44	52.1	163	22.2	8.8	448	2.61	10.8	1.2	5.7	7.6	22.7	0.06	0.54	0.21	39	0.42	0.035
86	Soil	0.50	6.43	21.55	19.4	59	5.9	3.4	257	1.27	6.2	1.2	3.6	6.0	8.4	0.06	0.29	0.39	14	0.18	0.024
87	Soil	0.74	11.99	12.48	46.5	86	18.4	10.5	379	2.75	10.9	0.6	3.6	5.1	20.7	0.04	0.55	0.19	44	0.36	0.034
88	Soil	0.56	19.19	13.30	44.8	75	17.5	9.1	348	2.57	8.3	1.8	6.3	10.7	17.7	0.04	0.43	0.21	33	0.25	0.026
89	Soil	1.02	20.68	13.00	48.6	54	22.3	9.3	330	2.61	12.1	1.4	3.5	8.0	17.7	0.07	0.67	0.22	47	0.16	0.010
90	Soil	0.71	12.32	22.05	38.7	42	11.3	4.3	183	1.90	9.9	1.3	2.8	12.4	15.2	0.06	0.47	0.26	25	0.15	0.015



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	0.1
61	Soil	38.3	6.5	0.07	268.7	0.007	1	0.49	0.002	0.07	<0.1	1.5	0.05	<0.02	<5	0.3	<0.02	1.3
62	Soil	32.1	3.9	0.04	88.9	0.003	1	0.37	0.001	0.07	<0.1	1.1	0.05	<0.02	<5	0.1	<0.02	0.7
63	Soil	23.2	5.7	0.07	96.6	0.004	1	0.54	0.002	0.08	<0.1	1.5	0.06	<0.02	9	0.2	0.02	1.0
64	Soil	64.6	5.3	0.05	1213.8	0.002	<1	0.43	0.002	0.08	0.1	2.7	0.05	<0.02	28	<0.1	<0.02	0.7
65	Soil	20.6	5.9	0.08	143.4	0.004	<1	0.42	0.002	0.07	0.1	1.5	0.04	<0.02	<5	0.1	<0.02	1.1
66	Soil	32.3	15.6	0.25	565.1	0.019	2	0.82	0.006	0.06	0.3	2.5	0.12	<0.02	39	<0.1	0.05	2.7
67	Soil	24.7	17.9	0.29	378.6	0.019	1	1.00	0.008	0.07	0.4	3.0	0.18	<0.02	66	<0.1	<0.02	3.3
68	Soil	17.4	14.9	0.28	319.8	0.013	2	0.98	0.006	0.13	0.4	3.4	0.28	<0.02	54	<0.1	0.02	3.6
69	Soil	22.8	21.8	0.38	364.4	0.027	2	1.23	0.010	0.09	0.3	4.2	0.20	<0.02	75	<0.1	<0.02	3.9
70	Soil	26.2	4.2	0.06	119.4	0.002	1	0.28	0.002	0.09	0.2	4.6	0.10	<0.02	99	<0.1	<0.02	1.7
71	Soil	28.0	36.8	1.10	156.9	0.007	2	1.59	0.002	0.09	<0.1	7.4	0.10	<0.02	22	<0.1	<0.02	4.4
72	Soil	27.3	108.0	1.20	221.8	0.026	2	1.73	0.006	0.07	<0.1	8.5	0.08	<0.02	30	0.2	0.03	5.0
73	Soil	17.0	249.5	1.97	258.8	0.050	2	2.13	0.006	0.07	0.1	11.6	0.10	<0.02	31	<0.1	<0.02	6.3
74	Soil	22.1	18.7	0.47	216.9	0.005	2	1.10	0.003	0.08	<0.1	4.8	0.12	<0.02	71	0.2	0.03	3.1
75	Soil	15.6	32.0	0.52	209.1	0.004	2	1.27	0.003	0.04	<0.1	5.4	0.05	<0.02	38	<0.1	0.03	3.1
76	Soil	15.7	78.1	1.10	354.0	0.015	<1	1.95	0.007	0.04	0.1	12.7	0.05	<0.02	58	0.2	0.02	5.4
77	Soil	15.6	15.8	0.39	196.0	0.002	1	0.94	0.002	0.06	<0.1	4.1	0.05	<0.02	35	<0.1	<0.02	2.6
78	Soil	31.6	4.3	0.11	166.1	0.001	1	0.48	0.002	0.11	<0.1	2.8	0.08	<0.02	27	<0.1	0.02	1.8
79	Soil	16.9	110.0	0.96	239.2	0.023	1	1.21	0.005	0.07	0.1	6.9	0.06	<0.02	38	<0.1	<0.02	4.1
80	Soil	21.5	13.7	0.42	366.2	0.052	<1	1.02	0.005	0.29	0.1	5.6	0.25	<0.02	22	0.2	<0.02	4.1
81	Soil	24.4	10.5	0.25	194.3	0.023	<1	0.59	0.004	0.09	<0.1	3.7	0.09	<0.02	49	<0.1	<0.02	1.9
82	Soil	31.2	42.2	1.16	519.7	0.066	2	1.71	0.004	0.28	<0.1	6.6	0.19	<0.02	22	<0.1	<0.02	5.0
83	Soil	11.6	16.7	0.34	211.1	0.043	2	0.76	0.006	0.09	0.1	2.1	0.08	<0.02	9	<0.1	<0.02	3.0
84	Soil	6.7	5.0	0.15	53.3	0.008	2	0.52	0.002	0.08	<0.1	2.2	0.09	<0.02	20	<0.1	<0.02	1.8
85	Soil	20.3	26.2	0.44	545.3	0.029	1	1.34	0.009	0.07	0.1	4.9	0.08	<0.02	59	<0.1	0.04	3.9
86	Soil	7.3	8.4	0.15	357.5	0.008	<1	0.58	0.003	0.09	<0.1	2.3	0.07	<0.02	26	<0.1	0.03	1.9
87	Soil	15.3	27.9	0.54	290.9	0.040	2	1.42	0.008	0.09	0.2	3.4	0.10	<0.02	27	0.1	0.11	4.2
88	Soil	28.0	21.9	0.55	555.8	0.017	2	1.38	0.004	0.07	<0.1	6.9	0.10	<0.02	37	<0.1	0.02	3.8
89	Soil	20.1	33.6	0.44	384.3	0.043	1	1.46	0.006	0.06	0.1	6.6	0.08	<0.02	39	0.2	0.05	4.5
90	Soil	20.4	15.0	0.24	230.2	0.019	<1	0.85	0.004	0.09	0.1	3.1	0.10	<0.02	27	0.6	0.03	2.6

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Bureau Veritas Commodities Canada Ltd.

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Project: Leota
Report Date: August 25, 2016

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CERTIFICATE OF ANALYSIS

WHI16000107.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
91	Soil	0.61	21.92	6.60	57.0	24	16.7	12.3	406	3.24	5.0	0.9	3.0	5.5	16.6	0.07	0.31	0.10	58	0.33	0.066
92	Soil	0.57	15.48	15.47	43.9	35	12.2	5.6	303	1.99	7.7	1.3	5.6	11.9	12.6	0.09	0.46	0.19	21	0.18	0.032
93	Soil	0.89	20.24	12.80	44.8	52	20.0	8.1	358	2.41	12.4	1.5	2.8	8.3	22.4	0.05	0.67	0.21	38	0.29	0.030
94	Soil	0.41	9.63	20.62	26.2	40	9.4	4.5	190	1.27	4.4	0.9	0.5	8.9	11.8	0.05	0.32	0.47	22	0.14	0.014
95	Soil	0.52	12.80	17.34	68.4	80	7.9	4.2	346	2.85	2.8	2.8	5.0	19.3	13.5	0.15	0.30	0.19	13	0.20	0.044
96	Soil	0.74	21.27	14.47	44.9	93	19.6	8.0	417	2.28	10.8	1.4	5.4	8.1	24.0	0.10	0.56	0.20	36	0.37	0.042
97	Soil	0.31	7.77	12.83	25.6	21	5.0	2.5	154	1.17	3.7	1.1	1.7	13.2	10.7	0.06	0.27	0.11	9	0.12	0.021
98	Soil	0.69	14.39	14.80	43.0	47	8.3	3.8	223	1.92	19.9	1.7	19.2	12.6	15.1	0.08	0.50	0.21	17	0.13	0.025
99	Soil	0.40	9.65	14.64	32.2	83	6.2	2.6	232	1.23	4.2	1.7	5.0	16.6	11.9	0.08	0.28	0.24	7	0.12	0.017
100	Soil	0.63	10.51	17.55	33.7	36	7.8	3.0	183	1.45	17.2	1.7	17.0	17.1	12.0	0.09	0.42	0.23	15	0.12	0.013
101	Soil	0.81	13.72	12.74	38.4	39	12.2	7.4	275	2.20	10.1	1.3	5.7	7.6	15.8	0.04	0.50	0.20	39	0.17	0.015
102	Soil	0.61	16.23	11.40	41.8	67	14.2	5.7	245	1.92	13.6	1.4	8.9	10.0	19.8	0.05	0.49	0.17	33	0.25	0.046
103	Soil	0.74	52.19	6.25	86.2	68	83.8	21.9	760	5.51	21.9	0.6	2.0	2.4	20.7	0.17	0.50	0.09	154	0.41	0.072
104	Soil	0.90	47.66	7.35	72.7	69	66.4	12.5	516	3.26	24.3	0.9	4.3	5.7	20.9	0.13	0.79	0.14	54	0.34	0.080
105	Soil	0.79	50.52	7.78	70.4	70	75.8	12.0	469	3.10	25.7	0.9	1.3	5.0	22.6	0.13	0.55	0.17	56	0.39	0.060
106	Soil	0.97	50.75	7.94	66.3	79	53.6	14.2	642	3.18	21.0	1.1	4.2	4.5	23.6	0.23	0.55	0.15	64	0.43	0.063
107	Soil	1.05	69.29	7.10	62.1	88	91.2	11.3	495	3.03	47.2	1.0	2.4	6.6	16.4	0.08	0.94	0.16	42	0.32	0.070
108	Soil	0.60	95.80	6.66	81.0	150	81.1	17.9	891	4.09	32.5	1.3	3.9	4.5	22.4	0.16	0.49	0.15	90	0.54	0.085
109	Soil	0.61	36.16	7.74	61.4	108	81.2	14.3	521	3.09	11.9	0.8	0.4	4.4	23.0	0.11	0.37	0.15	69	0.48	0.064
110	Soil	0.69	117.29	8.35	74.5	159	106.5	20.3	1084	3.54	25.5	0.9	3.3	5.5	21.8	0.15	0.61	0.17	66	0.46	0.092
111	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
112	Soil	0.43	79.52	5.59	60.2	110	52.1	20.4	761	4.01	8.8	0.7	1.2	2.0	29.6	0.09	0.55	0.09	87	0.80	0.060
113	Soil	0.60	56.39	6.66	60.6	127	65.8	20.3	724	3.89	15.3	0.7	5.0	2.2	33.5	0.14	0.61	0.10	82	0.89	0.045
114	Soil	0.50	65.58	6.92	69.1	111	69.3	20.5	729	4.08	10.3	0.4	3.8	3.1	29.6	0.13	0.45	0.10	80	0.77	0.053
115	Soil	0.54	51.78	7.50	61.0	189	135.1	20.3	640	3.50	15.2	0.8	4.1	2.9	32.5	0.13	0.73	0.13	78	0.86	0.049
116	Soil	0.53	41.47	7.73	65.2	95	79.7	19.8	500	3.39	18.1	0.5	4.1	3.1	35.3	0.16	0.45	0.12	70	0.94	0.071
117	Soil	0.64	55.97	4.42	59.0	62	81.9	23.6	705	3.73	10.8	0.3	0.9	1.9	18.7	0.18	0.38	0.06	85	0.59	0.071
118	Soil	0.74	58.68	7.20	56.0	146	137.0	20.5	887	3.38	26.6	1.0	5.5	2.2	44.6	0.22	0.68	0.10	54	1.48	0.063
119	Soil	0.50	45.01	6.63	67.1	136	67.1	16.2	306	2.81	15.9	0.7	3.1	2.3	26.7	0.16	0.52	0.09	66	0.69	0.070
120	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
91	Soil	17.0	24.3	0.91	413.5	0.078	<1	1.60	0.005	0.42	<0.1	5.8	0.21	<0.02	42	0.3	0.04	5.2
92	Soil	22.2	14.2	0.25	380.6	0.014	2	0.74	0.004	0.13	<0.1	5.7	0.14	<0.02	66	0.1	0.06	2.4
93	Soil	19.1	28.0	0.40	419.3	0.031	2	1.17	0.008	0.07	0.2	5.3	0.09	<0.02	37	0.4	0.06	3.6
94	Soil	16.8	13.3	0.20	269.4	0.028	<1	0.69	0.005	0.07	0.1	2.7	0.06	<0.02	22	0.3	0.11	2.1
95	Soil	28.3	6.5	0.18	435.5	0.006	2	0.71	0.003	0.23	<0.1	9.2	0.24	<0.02	114	<0.1	0.05	2.7
96	Soil	30.0	22.8	0.38	476.9	0.032	1	1.13	0.008	0.08	0.1	4.5	0.09	<0.02	44	0.4	0.07	3.5
97	Soil	12.5	4.4	0.11	191.1	0.004	<1	0.46	0.004	0.09	<0.1	3.4	0.08	<0.02	27	<0.1	<0.02	1.2
98	Soil	27.2	10.5	0.17	269.2	0.009	1	0.65	0.005	0.10	<0.1	5.0	0.12	<0.02	42	<0.1	0.03	2.3
99	Soil	23.1	4.7	0.07	185.2	0.002	<1	0.42	0.003	0.10	<0.1	3.5	0.10	<0.02	53	<0.1	<0.02	1.3
100	Soil	35.7	9.1	0.14	285.5	0.009	1	0.61	0.003	0.11	0.1	3.3	0.10	<0.02	50	<0.1	<0.02	1.4
101	Soil	22.2	21.2	0.36	313.8	0.030	<1	1.23	0.009	0.07	0.1	3.8	0.10	<0.02	36	0.2	0.03	3.7
102	Soil	28.9	19.5	0.33	309.9	0.035	<1	0.91	0.008	0.07	0.2	4.7	0.08	<0.02	59	<0.1	<0.02	3.0
103	Soil	9.4	140.0	1.84	364.4	0.077	<1	2.71	0.006	0.34	<0.1	21.8	0.25	<0.02	27	<0.1	0.02	9.4
104	Soil	20.1	85.6	1.12	242.8	0.029	1	1.78	0.007	0.05	<0.1	6.7	0.07	<0.02	33	<0.1	0.02	5.1
105	Soil	17.6	99.2	1.04	285.3	0.038	<1	1.88	0.007	0.06	0.2	5.7	0.08	<0.02	24	<0.1	0.06	5.3
106	Soil	17.3	71.5	0.93	359.3	0.043	<1	1.82	0.008	0.06	0.2	6.4	0.09	<0.02	34	0.2	0.07	5.0
107	Soil	20.6	109.7	1.00	201.0	0.015	<1	1.50	0.004	0.06	0.1	5.3	0.07	<0.02	27	<0.1	0.04	3.7
108	Soil	16.1	89.5	1.09	337.9	0.023	<1	2.17	0.005	0.07	0.1	9.2	0.08	<0.02	29	<0.1	0.06	6.3
109	Soil	16.1	114.9	1.30	273.6	0.060	<1	2.05	0.007	0.04	0.1	7.0	0.10	<0.02	29	<0.1	0.05	5.6
110	Soil	19.8	126.1	1.37	328.0	0.036	<1	2.00	0.005	0.09	0.1	7.7	0.10	<0.02	35	0.2	0.07	5.8
111	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
112	Soil	11.3	78.1	1.42	236.5	0.024	<1	2.05	0.007	0.09	<0.1	10.5	0.09	<0.02	33	0.3	0.03	5.5
113	Soil	12.9	95.7	1.43	271.6	0.030	1	2.10	0.008	0.06	0.1	9.4	0.06	<0.02	47	0.5	0.05	5.6
114	Soil	13.1	90.5	1.50	182.4	0.028	<1	1.98	0.006	0.05	0.1	9.6	0.06	<0.02	36	0.2	0.07	5.5
115	Soil	14.3	181.0	1.63	283.5	0.043	<1	2.08	0.009	0.07	0.2	9.4	0.07	0.02	51	0.5	0.03	5.7
116	Soil	13.4	111.7	1.36	239.6	0.046	1	1.75	0.009	0.07	0.2	7.0	0.07	0.03	38	0.4	0.03	4.8
117	Soil	7.9	131.8	1.77	139.5	0.055	2	2.01	0.006	0.05	<0.1	7.8	0.04	<0.02	22	0.3	0.03	5.9
118	Soil	13.9	162.7	1.32	232.8	0.025	<1	1.69	0.007	0.06	0.1	6.3	0.06	0.04	48	0.6	0.04	4.3
119	Soil	11.1	80.9	1.18	260.2	0.036	<1	1.86	0.006	0.05	0.2	6.8	0.08	0.04	33	0.2	<0.02	5.3
120	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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CERTIFICATE OF ANALYSIS

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Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
121	Soil	0.59	80.54	3.43	66.7	28	62.1	32.3	857	5.04	11.1	0.3	<0.2	1.2	13.2	0.09	0.65	0.09	130	0.45	0.062
122	Soil	0.68	32.74	13.84	64.8	113	91.7	19.2	746	3.96	26.7	0.8	0.6	3.6	28.6	0.18	0.67	0.16	75	0.74	0.048
123	Soil	0.62	52.24	10.33	72.3	109	188.8	26.5	943	4.66	18.7	0.5	1.5	4.6	26.6	0.10	0.88	0.13	101	0.57	0.043
124	Soil	0.71	68.62	8.36	95.1	132	292.8	33.6	1057	5.15	31.0	0.5	1.9	5.0	21.4	0.10	1.14	0.14	129	0.52	0.064
125	Soil	0.78	67.84	7.78	77.1	164	169.8	26.0	973	4.61	42.7	0.6	6.0	4.3	28.2	0.15	1.20	0.11	91	0.67	0.075
126	Soil	0.42	53.09	6.14	55.2	81	151.7	24.9	748	3.33	15.6	0.5	2.6	2.3	24.4	0.10	0.43	0.09	76	0.64	0.046
127	Soil	0.45	51.71	5.20	46.1	80	157.3	22.0	903	2.86	15.6	0.5	1.9	1.7	35.4	0.17	0.51	0.08	57	1.04	0.052
128	Soil	0.38	47.52	7.18	51.4	96	214.9	26.2	815	3.24	22.4	0.4	3.7	2.1	29.5	0.14	0.46	0.11	72	0.92	0.045
129	Soil	0.60	44.72	8.42	75.5	145	123.1	21.1	796	3.84	77.3	0.7	1.5	4.9	25.4	0.14	2.06	0.13	92	0.79	0.065
130	Soil	0.40	35.22	7.75	68.8	48	191.4	21.4	600	3.71	20.9	0.6	1.5	4.6	21.1	0.06	0.34	0.13	107	0.55	0.060
131	Soil	0.47	50.16	8.59	66.6	127	165.6	18.5	565	3.44	20.3	0.9	1.8	4.4	25.4	0.07	0.51	0.15	90	0.54	0.067
132	Soil	0.69	38.46	10.15	57.1	135	57.4	15.4	667	3.20	17.1	1.3	5.8	5.2	26.2	0.15	0.62	0.20	56	0.62	0.034
133	Soil	0.73	29.51	9.05	51.1	171	67.4	14.9	694	2.96	14.3	1.4	4.7	3.5	28.2	0.11	0.62	0.17	55	0.66	0.035
134	Soil	1.07	19.70	9.76	50.7	82	26.8	12.8	815	2.99	6.9	0.8	3.5	4.8	19.9	0.11	0.40	0.20	52	0.41	0.023
135	Soil	0.84	37.48	10.65	60.9	170	79.9	16.2	793	3.36	20.6	1.3	3.5	5.1	21.5	0.04	0.70	0.19	61	0.45	0.052
136	Soil	0.57	55.33	1.71	56.0	19	73.7	28.7	748	4.04	4.8	0.4	2.9	1.3	9.3	0.05	0.22	0.03	90	0.32	0.069
137	Soil	0.59	43.74	3.06	48.3	22	54.4	25.8	559	3.81	6.7	0.2	1.4	1.1	9.3	0.04	0.24	0.05	78	0.26	0.041



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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
121	Soil	3.2	121.7	1.60	212.9	0.109	<1	2.15	0.008	0.28	<0.1	7.9	0.19	<0.02	16	0.2	0.02	7.3
122	Soil	15.9	117.1	1.33	295.2	0.021	2	2.07	0.007	0.08	0.1	8.5	0.09	<0.02	22	0.4	0.04	6.0
123	Soil	17.6	252.3	1.93	290.5	0.047	<1	2.42	0.009	0.07	<0.1	14.7	0.13	<0.02	34	0.4	<0.02	7.0
124	Soil	19.5	357.3	3.15	324.1	0.067	<1	3.14	0.006	0.09	<0.1	17.7	0.16	<0.02	38	0.4	0.03	9.1
125	Soil	18.9	207.9	2.10	256.0	0.026	1	2.39	0.006	0.07	<0.1	11.9	0.07	<0.02	41	<0.1	0.04	6.8
126	Soil	10.3	193.7	1.84	256.8	0.040	<1	1.93	0.007	0.05	0.1	8.5	0.05	<0.02	30	<0.1	0.04	5.1
127	Soil	9.1	194.7	1.54	282.0	0.029	2	1.45	0.006	0.05	<0.1	6.2	0.05	0.03	35	0.5	0.03	3.9
128	Soil	10.2	317.6	2.30	234.6	0.044	1	2.13	0.007	0.05	<0.1	10.0	0.08	0.02	31	0.4	<0.02	5.7
129	Soil	19.8	183.5	1.90	237.6	0.035	1	2.44	0.010	0.06	0.2	10.9	0.08	<0.02	27	0.4	0.04	7.3
130	Soil	15.8	401.0	2.89	191.7	0.091	<1	2.65	0.005	0.04	<0.1	11.2	0.10	<0.02	19	0.4	0.05	7.9
131	Soil	19.1	310.6	2.27	315.1	0.073	1	2.30	0.009	0.05	0.1	10.1	0.10	<0.02	32	0.3	0.05	7.0
132	Soil	18.1	70.6	0.82	402.1	0.029	1	1.71	0.008	0.05	0.1	6.6	0.06	<0.02	40	0.4	0.09	4.6
133	Soil	14.1	79.5	0.75	373.0	0.040	<1	1.59	0.008	0.05	0.1	5.6	0.06	<0.02	54	0.6	0.04	4.2
134	Soil	13.1	36.2	0.50	424.1	0.019	<1	1.52	0.006	0.04	0.2	4.6	0.09	<0.02	29	0.3	0.04	4.3
135	Soil	18.1	115.0	1.03	355.2	0.036	2	1.74	0.007	0.04	0.1	7.1	0.08	<0.02	31	0.5	<0.02	4.9
136	Soil	3.2	117.8	2.15	116.4	0.055	<1	2.37	0.003	<0.01	<0.1	6.6	<0.02	<0.02	18	0.4	0.03	5.7
137	Soil	2.7	105.9	1.73	95.4	0.068	<1	2.11	0.003	0.02	<0.1	4.8	<0.02	<0.02	17	0.4	0.04	5.6

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



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Client: **XyQuest Goldbank**
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Project: Leota
Report Date: August 25, 2016

Page: 1 of 1 Part: 1 of 2

QUALITY CONTROL REPORT

WHI16000107.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%		
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
24	Soil	5.52	31.52	266.03	46.7	168	5.7	1.9	87	1.84	3.8	2.2	1.6	19.8	15.3	0.09	0.31	2.36	11	0.04	0.031
REP 24	QC	5.98	30.74	265.58	47.7	155	4.9	1.6	88	1.80	3.5	2.2	2.0	20.0	15.3	0.11	0.33	2.34	10	0.04	0.029
57	Soil	2.33	14.06	74.03	78.0	87	3.0	4.4	651	1.05	<0.1	2.5	0.8	23.7	13.0	0.21	0.38	0.65	3	0.05	0.016
REP 57	QC	2.26	13.44	73.72	81.1	96	3.8	4.1	633	1.05	1.0	2.5	<0.2	24.4	13.0	0.37	0.33	0.61	3	0.05	0.018
89	Soil	1.02	20.68	13.00	48.6	54	22.3	9.3	330	2.61	12.1	1.4	3.5	8.0	17.7	0.07	0.67	0.22	47	0.16	0.010
REP 89	QC	1.15	20.60	12.64	48.2	49	22.6	9.2	323	2.68	11.1	1.4	8.6	7.8	18.1	0.02	0.73	0.21	48	0.17	0.011
123	Soil	0.62	52.24	10.33	72.3	109	188.8	26.5	943	4.66	18.7	0.5	1.5	4.6	26.6	0.10	0.88	0.13	101	0.57	0.043
REP 123	QC	0.60	52.20	10.30	73.5	126	186.9	25.9	963	4.62	18.8	0.6	0.8	4.5	27.1	0.14	0.92	0.13	100	0.58	0.047
T180B	Soil	0.06	13.41	11.72	18.2	26	717.8	49.0	357	1.83	6.4	0.1	1.9	1.5	32.6	0.24	0.07	0.09	26	0.85	0.008
REP T180B	QC	0.03	13.21	12.62	17.4	32	777.2	47.7	364	1.93	6.5	0.1	<0.2	1.6	32.8	0.25	0.12	0.09	26	0.88	0.009
Reference Materials																					
STD DS10	Standard	15.87	155.72	159.77	371.3	1985	75.3	13.9	897	2.81	46.5	3.2	85.0	8.7	79.6	2.56	10.18	13.60	46	1.11	0.075
STD DS10	Standard	16.08	159.90	146.01	369.4	1739	78.6	13.1	909	2.83	43.9	2.6	103.7	7.5	68.7	2.57	8.57	12.15	43	1.11	0.074
STD DS10	Standard	16.00	158.15	148.74	367.0	1743	77.0	13.8	928	2.85	44.3	2.6	79.9	7.4	67.4	2.45	8.52	12.60	46	1.09	0.073
STD DS10	Standard	15.90	161.02	158.64	365.1	1923	79.7	14.1	886	2.78	45.6	3.0	117.9	8.4	75.2	2.52	9.45	13.40	45	1.07	0.076
STD DS10	Standard	15.61	154.04	154.87	356.9	1944	76.1	13.0	917	2.81	44.5	3.1	92.3	8.5	71.9	2.46	9.63	13.55	43	1.11	0.073
STD OXC129	Standard	1.22	27.71	6.84	40.2	16	78.4	20.0	454	3.03	0.9	0.8	196.0	2.1	219.1	0.04	0.03	<0.02	54	0.72	0.098
STD OXC129	Standard	1.51	30.21	6.54	45.8	13	83.7	21.9	457	3.13	0.1	0.7	191.1	1.9	201.1	0.06	0.04	<0.02	52	0.71	0.101
STD OXC129	Standard	1.46	30.75	6.37	42.9	16	83.3	21.9	448	3.13	0.4	0.7	192.2	1.8	197.1	<0.01	0.05	<0.02	53	0.69	0.097
STD OXC129	Standard	1.36	30.11	7.17	44.5	20	83.2	21.5	458	3.09	0.7	0.8	197.6	2.1	205.6	0.04	0.04	<0.02	54	0.69	0.107
STD OXC129	Standard	1.11	27.25	6.67	43.1	14	78.8	19.1	426	3.04	0.4	0.8	209.7	2.1	198.2	0.01	0.03	<0.02	50	0.68	0.098
STD DS10 Expected		15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.07	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	7	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.02	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: Leota
Report Date: August 25, 2016

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI16000107.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
24	Soil	46.8	9.7	0.09	624.1	0.007	2	0.54	0.006	0.10	0.1	2.2	0.06	0.06	8	0.2	0.06	1.5
REP 24	QC	50.6	10.1	0.09	647.0	0.010	<1	0.53	0.006	0.13	<0.1	2.2	0.07	0.07	17	<0.1	<0.02	1.6
57	Soil	73.0	2.9	0.04	1281.5	0.002	2	0.36	0.005	0.13	<0.1	1.7	0.09	0.04	13	0.5	<0.02	0.9
REP 57	QC	74.6	3.0	0.04	1372.1	0.002	<1	0.36	0.005	0.14	<0.1	1.8	0.07	0.05	11	<0.1	<0.02	0.8
89	Soil	20.1	33.6	0.44	384.3	0.043	1	1.46	0.006	0.06	0.1	6.6	0.08	<0.02	39	0.2	0.05	4.5
REP 89	QC	21.3	33.2	0.46	376.4	0.051	1	1.52	0.007	0.06	0.2	6.7	0.09	<0.02	54	0.2	0.05	4.6
123	Soil	17.6	252.3	1.93	290.5	0.047	<1	2.42	0.009	0.07	<0.1	14.7	0.13	<0.02	34	0.4	<0.02	7.0
REP 123	QC	17.4	248.9	1.88	300.7	0.046	<1	2.36	0.009	0.07	0.1	14.7	0.12	<0.02	33	<0.1	<0.02	6.5
T180B	Soil	4.5	725.2	2.65	25.9	0.008	<1	0.63	<0.001	0.04	<0.1	4.1	0.05	<0.02	<5	0.3	<0.02	1.9
REP T180B	QC	4.8	786.0	2.70	25.7	0.008	2	0.67	<0.001	0.04	<0.1	4.2	0.04	<0.02	<5	0.4	<0.02	2.0
Reference Materials																		
STD DS10	Standard	20.8	57.5	0.83	376.7	0.089	8	1.14	0.075	0.34	3.5	3.4	5.25	0.29	304	2.3	4.91	4.7
STD DS10	Standard	18.8	58.8	0.80	343.9	0.092	8	1.13	0.075	0.35	3.1	3.0	5.07	0.27	296	2.1	5.06	4.7
STD DS10	Standard	18.5	59.5	0.78	364.5	0.091	8	1.09	0.077	0.35	3.5	3.2	5.38	0.29	314	2.3	5.14	4.3
STD DS10	Standard	19.0	56.8	0.82	366.6	0.083	7	1.09	0.072	0.33	3.4	3.1	5.24	0.28	296	2.3	4.99	4.8
STD DS10	Standard	19.6	56.7	0.78	362.9	0.087	7	1.10	0.072	0.35	3.4	3.2	5.25	0.27	278	2.2	5.13	4.4
STD OXC129	Standard	13.3	52.8	1.56	49.3	0.406	<1	1.66	0.609	0.37	0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	12.8	57.6	1.57	53.2	0.430	2	1.62	0.614	0.37	<0.1	1.3	0.04	<0.02	<5	<0.1	<0.02	5.7
STD OXC129	Standard	13.1	55.6	1.57	51.2	0.428	1	1.63	0.609	0.38	<0.1	1.3	0.04	<0.02	<5	0.1	0.02	5.7
STD OXC129	Standard	13.4	54.8	1.58	51.2	0.423	<1	1.60	0.602	0.37	<0.1	0.6	0.03	<0.02	6	<0.1	<0.02	5.7
STD OXC129	Standard	12.5	51.1	1.54	49.4	0.393	<1	1.59	0.613	0.37	<0.1	0.8	0.03	<0.02	7	0.1	0.05	5.7
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	10	<0.1	0.06	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
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Client: **XyQuest Mining Corp.**
702-889 Pender Street W
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Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 03, 2017
Report Date: April 20, 2018
Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI17000989.1

CLIENT JOB INFORMATION

Project: LEOTA, RST
Shipment ID:
P.O. Number
Number of Samples: 237

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: XyQuest Mining Corp.
702-889 Pender Street W
Vancouver British Columbia V6C 3B2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	227	Dry at 60C			WHI
SS80	227	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	227	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	227	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


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.

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Client: **XyQuest Mining Corp.**
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Project: LEOTA, RST
Report Date: April 20, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000989.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
279	Soil	0.21	93.34	5.69	54.4	38	59.5	22.6	504	3.72	2.5	0.5	4.6	4.6	218.6	0.05	0.11	0.17	32	0.60	0.044
280	Soil	0.17	31.91	10.56	47.2	89	41.4	17.1	484	3.21	1.0	1.0	5.0	5.6	664.5	0.06	0.09	0.21	11	8.33	0.076
281	Soil	0.21	33.24	4.93	82.4	47	47.3	21.2	416	3.94	0.3	0.4	3.6	3.0	281.0	0.03	0.04	0.10	24	3.98	0.069
282	Soil	0.09	23.37	4.75	81.1	24	38.3	16.8	412	3.08	0.2	0.4	3.8	5.0	327.7	0.02	0.04	0.06	19	7.06	0.044
283	Soil	0.19	10.29	9.42	15.0	30	13.7	5.7	233	1.50	1.7	0.4	3.5	2.4	849.6	0.07	0.09	0.09	7	18.35	0.058
284	Soil	0.42	15.03	5.64	70.6	6	42.4	16.5	396	2.84	1.2	0.3	2.4	2.9	108.0	0.02	0.04	0.09	30	0.25	0.034
285	Soil	0.16	35.64	4.25	79.3	40	50.2	26.0	234	3.26	0.3	0.5	4.0	4.5	90.3	0.02	0.03	0.11	23	0.77	0.066
286	Soil	0.23	20.50	6.46	61.4	63	36.2	12.4	244	2.87	0.4	0.4	4.3	3.0	282.6	0.07	0.05	0.07	14	2.64	0.051
287	Soil	0.18	34.61	4.58	81.6	52	53.9	21.4	307	3.90	1.0	0.4	3.5	4.3	130.4	0.03	0.06	0.06	21	2.08	0.044
288	Soil	0.14	31.26	7.93	70.9	86	51.2	22.9	293	3.35	0.2	0.4	2.3	3.9	130.8	0.03	0.03	0.08	22	4.13	0.058
289	Soil	0.22	17.89	14.55	42.4	66	24.7	9.6	209	2.37	1.8	0.9	2.2	3.7	1588.7	0.08	0.07	0.16	11	11.90	0.060
290	Soil	0.34	35.07	10.41	98.3	12	57.6	21.2	214	3.89	2.5	1.8	2.0	12.1	75.2	0.03	0.09	0.26	24	0.43	0.029
291	Soil	0.15	39.66	7.30	108.0	83	64.0	23.3	213	3.78	0.7	0.9	2.1	7.0	158.4	0.04	0.05	0.13	25	4.15	0.055
292	Soil	0.19	27.05	15.68	39.9	74	34.0	16.0	407	3.11	1.2	0.7	2.6	9.7	272.6	0.04	0.08	0.32	10	9.55	0.053
293	Soil	0.14	34.10	9.41	69.0	87	43.9	19.2	269	3.60	0.4	0.9	2.9	7.6	142.5	0.03	0.04	0.22	8	5.00	0.042
294	Soil	0.45	53.15	4.37	65.4	13	63.2	20.1	170	3.52	5.7	1.6	2.8	10.2	11.6	0.02	0.14	0.13	17	0.14	0.047
295	Soil	0.35	68.65	4.11	84.4	8	46.9	22.1	90	3.23	3.7	2.6	3.0	17.9	6.9	0.01	0.13	0.32	17	0.17	0.076
296	Soil	0.14	41.02	7.54	81.4	35	64.2	30.1	386	3.20	0.5	0.8	2.2	10.2	69.7	0.03	0.05	0.15	12	3.41	0.059
297	Soil	0.16	34.81	10.09	82.7	28	53.5	22.9	370	3.09	0.4	1.0	1.6	11.7	227.7	0.03	0.08	0.20	13	6.75	0.061
298	Soil	0.13	27.92	5.51	54.0	27	35.1	15.8	239	2.77	1.1	0.8	1.3	7.9	102.0	0.03	0.10	0.11	11	3.50	0.048
299	Soil	0.16	46.21	5.28	63.6	36	52.0	20.4	254	2.58	1.9	0.7	1.6	7.1	55.5	0.05	0.11	0.21	18	2.10	0.062
300	Soil	0.39	6.48	47.78	61.4	263	36.5	4.1	78	0.50	12.8	10.0	1.5	26.8	127.8	0.07	0.25	0.91	4	0.99	0.016
301	Soil	1.47	19.23	61.20	210.4	206	54.2	4.2	178	1.82	15.0	10.4	5.0	47.2	185.8	0.16	0.45	1.37	14	0.84	0.024
302	Soil	3.39	41.12	39.03	118.7	245	79.5	9.1	247	2.60	25.9	9.6	4.8	19.1	32.1	0.24	0.59	0.58	23	0.41	0.045
303	Soil	1.41	29.76	19.86	85.2	178	47.5	7.0	165	2.15	17.7	3.7	3.8	14.1	43.7	0.08	0.48	0.48	27	0.44	0.034
304	Soil	0.61	15.32	32.26	52.3	88	28.5	4.5	109	1.07	7.5	2.1	3.1	13.0	33.9	0.10	0.37	0.56	17	0.32	0.017
305	Soil	0.58	12.28	11.12	35.5	110	11.0	4.0	177	1.34	10.2	3.8	3.7	9.6	108.9	0.03	0.50	0.21	24	0.35	0.009
306	Soil	0.47	9.55	32.62	34.3	176	8.8	3.0	107	0.95	5.3	3.4	2.5	13.6	75.2	0.09	0.27	0.42	16	0.41	0.003
307	Soil	0.48	5.45	34.85	59.6	83	6.7	3.0	285	0.87	7.5	2.9	2.4	10.1	25.8	0.31	0.15	1.88	12	0.39	0.013
309	Soil	1.67	24.11	23.97	102.8	174	36.1	6.9	194	1.94	16.9	3.0	3.9	11.0	43.1	0.08	0.42	0.55	22	0.40	0.035



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Report Date: April 20, 2018

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
279	Soil	11.6	47.4	1.58	149.8	0.158	<1	2.48	0.008	0.54	<0.1	3.7	0.39	<0.02	7	0.4	0.04	7.0
280	Soil	20.4	15.2	0.56	46.4	0.053	1	0.95	0.005	0.14	<0.1	3.1	0.18	<0.02	<5	0.5	0.05	2.8
281	Soil	8.5	36.4	1.06	96.3	0.134	<1	2.00	0.020	0.80	<0.1	3.1	0.52	<0.02	10	0.2	0.02	5.6
282	Soil	10.0	33.5	1.09	60.8	0.163	<1	1.89	0.011	0.95	<0.1	1.9	0.56	<0.02	<5	0.2	0.03	4.7
283	Soil	8.9	4.6	0.26	37.4	0.010	<1	0.35	0.003	0.02	<0.1	1.9	0.04	<0.02	9	0.5	0.06	1.0
284	Soil	11.6	46.1	1.16	97.1	0.133	<1	2.42	0.006	0.73	<0.1	3.0	0.40	<0.02	<5	0.2	0.03	6.7
285	Soil	10.9	34.3	1.01	56.8	0.113	<1	1.74	0.012	0.55	<0.1	2.5	0.48	<0.02	<5	0.2	<0.02	5.1
286	Soil	10.7	21.5	0.68	66.2	0.084	<1	1.41	0.008	0.51	<0.1	2.5	0.34	<0.02	<5	0.2	<0.02	3.6
287	Soil	9.8	30.0	1.12	92.4	0.134	<1	2.04	0.006	0.65	<0.1	2.6	0.48	0.02	<5	0.1	0.02	5.2
288	Soil	9.5	31.4	0.97	39.0	0.124	<1	1.62	0.007	0.44	<0.1	2.8	0.38	<0.02	5	0.2	<0.02	5.0
289	Soil	25.4	11.9	0.32	58.1	0.006	<1	0.92	0.003	0.04	<0.1	2.9	0.07	<0.02	<5	0.3	0.10	2.6
290	Soil	33.6	29.6	0.99	113.7	0.004	<1	2.57	0.005	0.08	<0.1	4.9	0.10	<0.02	10	0.5	0.03	7.9
291	Soil	34.7	32.5	1.09	63.2	0.086	<1	2.11	0.008	0.45	<0.1	3.9	0.51	<0.02	21	0.5	<0.02	6.2
292	Soil	35.8	11.0	0.32	57.1	0.004	<1	0.96	0.004	0.04	<0.1	3.3	0.05	<0.02	13	0.5	0.04	2.8
293	Soil	31.0	9.8	0.49	32.3	0.017	<1	1.06	0.003	0.10	<0.1	2.8	0.17	<0.02	16	0.4	<0.02	2.9
294	Soil	55.6	25.2	0.53	75.6	0.006	<1	1.79	0.004	0.04	<0.1	3.4	0.05	<0.02	7	0.3	0.04	4.9
295	Soil	66.0	20.0	0.69	55.6	0.014	<1	1.51	0.004	0.04	<0.1	3.3	0.06	<0.02	<5	0.3	0.08	4.7
296	Soil	22.1	16.1	0.53	37.0	0.018	<1	1.24	0.005	0.09	<0.1	2.4	0.17	<0.02	10	0.4	0.03	3.5
297	Soil	33.0	17.4	0.71	71.0	0.008	<1	1.41	0.004	0.05	<0.1	2.8	0.08	<0.02	<5	0.2	0.02	4.7
298	Soil	18.8	14.3	0.51	67.7	0.046	<1	1.07	0.004	0.20	<0.1	2.3	0.32	<0.02	10	0.2	0.02	2.8
299	Soil	20.0	28.6	0.72	65.7	0.050	<1	1.27	0.006	0.22	<0.1	2.4	0.34	<0.02	<5	0.2	0.06	3.9
300	Soil	10.7	27.1	0.44	123.1	0.004	<1	2.84	0.168	0.98	0.2	0.9	0.69	<0.02	17	0.8	<0.02	8.3
301	Soil	20.6	39.5	0.70	280.5	0.021	4	3.01	0.077	0.42	0.3	2.5	0.72	<0.02	8	1.3	<0.02	14.1
302	Soil	25.3	75.8	0.56	122.6	0.013	4	1.51	0.017	0.14	0.6	3.3	0.91	0.04	8	1.7	0.09	6.0
303	Soil	17.6	47.8	0.49	267.1	0.022	2	1.67	0.028	0.14	0.5	3.3	0.51	<0.02	30	0.7	0.03	6.5
304	Soil	13.6	31.6	0.28	204.6	0.024	2	1.15	0.048	0.20	0.4	1.8	0.64	<0.02	11	0.7	<0.02	4.5
305	Soil	11.7	15.5	0.29	847.7	0.032	<1	1.22	0.029	0.10	0.2	2.7	0.17	<0.02	13	0.7	0.02	3.4
306	Soil	12.5	12.4	0.23	198.0	0.024	1	1.49	0.025	0.36	0.2	2.0	0.82	<0.02	10	0.5	<0.02	4.0
307	Soil	11.5	10.0	0.19	75.3	0.012	2	1.61	0.032	0.56	0.3	1.2	0.76	<0.02	7	0.5	<0.02	6.0
309	Soil	16.5	34.5	0.40	247.8	0.016	3	1.61	0.012	0.11	0.7	2.9	0.97	<0.02	11	1.0	<0.02	5.7

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



CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
310	Soil	1.70	36.90	20.58	88.8	201	36.7	10.8	336	2.41	13.2	1.4	2.7	10.2	34.5	0.27	0.73	0.39	37	0.47	0.050
311	Soil	1.30	20.67	36.68	79.8	63	35.7	4.8	146	1.29	4.8	5.4	3.9	23.0	19.0	0.11	0.33	0.58	9	0.37	0.028
312	Soil	0.80	14.21	23.59	53.5	78	20.7	3.5	64	0.92	10.2	3.9	<0.2	18.1	30.3	0.08	0.30	0.61	10	0.26	0.020
313	Soil	0.77	13.68	37.59	73.2	73	28.8	3.2	81	1.00	7.0	6.2	0.4	29.3	37.8	0.16	0.24	0.92	6	0.39	0.015
314	Soil	1.53	23.69	45.72	66.0	332	28.3	5.0	59	0.85	24.0	7.9	<0.2	27.0	156.3	0.12	0.26	1.04	6	0.64	0.030
315	Soil	1.20	28.03	10.38	67.3	160	36.5	7.7	470	2.22	15.8	1.7	9.8	7.1	10.3	0.23	0.12	0.33	12	0.18	0.060
316	Soil	0.24	14.81	26.33	61.0	54	25.4	2.8	46	1.18	6.7	7.7	0.6	37.2	36.7	0.06	0.33	1.03	9	0.44	0.010
317	Soil	0.90	14.08	67.80	153.5	150	29.4	14.7	339	1.79	11.1	18.5	<0.2	39.6	86.3	0.09	0.50	1.23	19	1.95	0.019
318	Soil	1.21	20.68	49.48	134.9	141	41.8	12.9	132	1.18	17.2	10.5	0.5	34.9	119.0	0.10	0.50	1.37	16	0.64	0.025
319	Soil	1.90	22.46	54.60	83.6	223	37.8	13.9	240	1.09	21.1	8.0	0.4	23.9	155.3	0.26	0.49	0.94	12	0.57	0.032
320	Soil	3.16	55.98	8.66	113.9	337	185.0	41.6	283	2.12	14.3	1.3	2.4	6.7	18.6	0.78	0.33	0.24	16	0.18	0.061
321	Soil	4.93	69.90	19.30	120.6	462	114.0	33.3	1188	4.31	32.4	2.4	5.7	9.1	28.2	0.97	0.36	0.28	17	0.22	0.085
322	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
323	Soil	2.45	41.19	17.37	82.8	155	42.6	11.2	195	2.61	17.1	2.3	2.5	8.9	30.9	0.31	0.59	0.33	41	0.35	0.053
324	Soil	2.12	43.66	43.67	53.5	372	19.2	5.5	78	1.58	20.0	6.2	1.4	16.3	72.2	0.09	0.36	0.82	15	0.31	0.037
325	Soil	2.83	26.38	20.15	70.1	388	35.7	12.3	198	1.38	24.1	3.2	18.6	10.2	10.5	1.38	0.48	0.37	10	0.19	0.064
326	Soil	1.59	33.75	28.66	59.2	256	26.1	9.7	156	1.60	15.5	3.3	1.1	13.3	42.0	0.43	0.47	0.56	21	0.24	0.031
327	Soil	1.93	55.10	40.49	92.0	300	52.0	15.5	131	1.43	12.5	7.5	2.3	21.1	41.4	1.29	0.44	0.80	15	0.37	0.035
328	Soil	1.81	33.02	22.31	69.2	86	29.8	9.1	153	2.47	10.6	3.1	3.4	8.6	17.9	0.21	0.80	0.32	53	0.18	0.017
329	Soil	0.58	28.66	28.47	68.6	255	26.2	5.9	55	0.89	4.1	7.2	<0.2	26.6	29.8	0.15	0.14	0.85	6	0.36	0.033
330	Soil	0.52	11.67	24.09	27.0	19	17.8	1.7	35	0.70	1.5	2.0	<0.2	19.9	17.8	0.12	0.09	0.62	4	0.36	0.028
331	Soil	1.50	60.61	19.84	88.0	274	60.2	8.4	134	3.40	21.4	1.1	1.0	11.5	11.6	0.14	0.42	0.56	17	0.19	0.058
332	Soil	2.07	50.81	18.38	108.1	231	97.9	11.0	141	3.45	23.8	1.7	0.7	10.2	14.4	0.36	0.35	0.37	31	0.19	0.066
0781	Soil	1.81	30.44	9.29	69.5	124	241.3	22.4	520	3.11	10.0	1.4	2.0	6.2	27.1	0.18	0.42	0.24	38	0.31	0.028
0782	Soil	2.99	40.28	23.45	92.2	56	40.1	10.9	694	2.96	14.5	1.7	2.3	11.0	27.6	0.15	0.95	0.31	55	0.32	0.025
0783	Soil	1.76	31.92	23.85	82.3	63	26.8	8.7	394	2.37	12.6	2.4	4.4	15.6	19.2	0.11	0.68	0.47	46	0.20	0.019
0784	Soil	1.78	37.10	26.30	96.4	52	31.5	8.2	345	2.62	16.2	2.0	3.9	19.6	19.4	0.11	0.76	0.41	49	0.23	0.014
0785	Soil	2.19	26.80	34.40	116.3	99	26.7	7.9	163	2.66	20.9	3.0	0.4	38.2	17.1	0.12	0.61	0.81	48	0.16	0.018
0786	Soil	1.01	19.63	16.61	83.4	32	17.3	3.8	184	1.40	16.1	3.3	2.6	22.1	11.7	0.05	0.58	0.17	22	0.17	0.013
0787	Soil	1.69	34.32	18.02	75.6	131	29.0	8.1	178	3.03	18.5	1.3	6.7	14.4	14.5	0.18	0.75	0.37	60	0.13	0.021



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Project: LEOTA, RST
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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
310	Soil	1.70	36.90	20.58	88.8	201	36.7	10.8	336	2.41	13.2	1.4	2.7	10.2	34.5	0.27	0.73	0.39	37	0.47	0.050
311	Soil	1.30	20.67	36.68	79.8	63	35.7	4.8	146	1.29	4.8	5.4	3.9	23.0	19.0	0.11	0.33	0.58	9	0.37	0.028
312	Soil	0.80	14.21	23.59	53.5	78	20.7	3.5	64	0.92	10.2	3.9	<0.2	18.1	30.3	0.08	0.30	0.61	10	0.26	0.020
313	Soil	0.77	13.68	37.59	73.2	73	28.8	3.2	81	1.00	7.0	6.2	0.4	29.3	37.8	0.16	0.24	0.92	6	0.39	0.015
314	Soil	1.53	23.69	45.72	66.0	332	28.3	5.0	59	0.85	24.0	7.9	<0.2	27.0	156.3	0.12	0.26	1.04	6	0.64	0.030
315	Soil	1.20	28.03	10.38	67.3	160	36.5	7.7	470	2.22	15.8	1.7	9.8	7.1	10.3	0.23	0.12	0.33	12	0.18	0.060
316	Soil	0.24	14.81	26.33	61.0	54	25.4	2.8	46	1.18	6.7	7.7	0.6	37.2	36.7	0.06	0.33	1.03	9	0.44	0.010
317	Soil	0.90	14.08	67.80	153.5	150	29.4	14.7	339	1.79	11.1	18.5	<0.2	39.6	86.3	0.09	0.50	1.23	19	1.95	0.019
318	Soil	1.21	20.68	49.48	134.9	141	41.8	12.9	132	1.18	17.2	10.5	0.5	34.9	119.0	0.10	0.50	1.37	16	0.64	0.025
319	Soil	1.90	22.46	54.60	83.6	223	37.8	13.9	240	1.09	21.1	8.0	0.4	23.9	155.3	0.26	0.49	0.94	12	0.57	0.032
320	Soil	3.16	55.98	8.66	113.9	337	185.0	41.6	283	2.12	14.3	1.3	2.4	6.7	18.6	0.78	0.33	0.24	16	0.18	0.061
321	Soil	4.93	69.90	19.30	120.6	462	114.0	33.3	1188	4.31	32.4	2.4	5.7	9.1	28.2	0.97	0.36	0.28	17	0.22	0.085
322	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
323	Soil	2.45	41.19	17.37	82.8	155	42.6	11.2	195	2.61	17.1	2.3	2.5	8.9	30.9	0.31	0.59	0.33	41	0.35	0.053
324	Soil	2.12	43.66	43.67	53.5	372	19.2	5.5	78	1.58	20.0	6.2	1.4	16.3	72.2	0.09	0.36	0.82	15	0.31	0.037
325	Soil	2.83	26.38	20.15	70.1	388	35.7	12.3	198	1.38	24.1	3.2	18.6	10.2	10.5	1.38	0.48	0.37	10	0.19	0.064
326	Soil	1.59	33.75	28.66	59.2	256	26.1	9.7	156	1.60	15.5	3.3	1.1	13.3	42.0	0.43	0.47	0.56	21	0.24	0.031
327	Soil	1.93	55.10	40.49	92.0	300	52.0	15.5	131	1.43	12.5	7.5	2.3	21.1	41.4	1.29	0.44	0.80	15	0.37	0.035
328	Soil	1.81	33.02	22.31	69.2	86	29.8	9.1	153	2.47	10.6	3.1	3.4	8.6	17.9	0.21	0.80	0.32	53	0.18	0.017
329	Soil	0.58	28.66	28.47	68.6	255	26.2	5.9	55	0.89	4.1	7.2	<0.2	26.6	29.8	0.15	0.14	0.85	6	0.36	0.033
330	Soil	0.52	11.67	24.09	27.0	19	17.8	1.7	35	0.70	1.5	2.0	<0.2	19.9	17.8	0.12	0.09	0.62	4	0.36	0.028
331	Soil	1.50	60.61	19.84	88.0	274	60.2	8.4	134	3.40	21.4	1.1	1.0	11.5	11.6	0.14	0.42	0.56	17	0.19	0.058
332	Soil	2.07	50.81	18.38	108.1	231	97.9	11.0	141	3.45	23.8	1.7	0.7	10.2	14.4	0.36	0.35	0.37	31	0.19	0.066



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Project: LEOTA, RST
Report Date: April 20, 2018

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
310	Soil	19.3	35.7	0.49	308.9	0.036	2	1.50	0.018	0.10	0.3	3.8	0.29	<0.02	32	0.6	0.03	5.0
311	Soil	20.0	29.0	0.37	100.1	0.007	4	1.05	0.054	0.17	0.4	1.6	0.35	<0.02	9	0.9	0.03	4.7
312	Soil	14.4	21.3	0.31	95.1	0.008	3	0.90	0.093	0.23	0.4	1.3	0.76	<0.02	9	1.3	0.02	3.4
313	Soil	14.0	21.8	0.37	101.3	0.004	5	1.32	0.118	0.18	0.3	1.2	0.36	<0.02	25	1.3	<0.02	6.4
314	Soil	17.0	19.6	0.37	457.1	0.003	3	2.27	0.097	0.59	0.4	1.2	1.42	<0.02	10	2.6	0.05	5.7
315	Soil	21.0	24.4	0.55	40.5	0.002	2	1.03	0.004	0.03	0.2	1.6	0.40	<0.02	9	0.6	0.13	3.2
316	Soil	12.3	25.4	0.46	135.2	0.004	7	1.65	0.187	0.17	0.3	1.9	0.21	<0.02	23	1.2	<0.02	7.6
317	Soil	17.6	22.4	0.73	187.5	0.029	7	3.57	0.111	0.38	2.7	2.4	0.37	<0.02	12	1.6	0.03	19.5
318	Soil	18.1	32.9	0.46	215.4	0.011	4	2.15	0.089	0.36	0.5	2.4	0.75	<0.02	28	1.6	0.07	8.5
319	Soil	23.8	17.9	0.41	667.5	0.007	3	1.96	0.202	0.34	0.5	1.5	0.41	<0.02	8	2.1	0.08	6.4
320	Soil	19.1	49.9	0.42	47.0	0.003	<1	0.69	0.009	0.04	<0.1	2.4	0.10	0.03	19	3.0	0.08	2.0
321	Soil	26.8	35.6	0.44	50.7	0.009	3	1.11	0.004	0.04	0.4	2.1	0.09	<0.02	52	1.4	0.09	3.0
322	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
323	Soil	23.1	35.4	0.44	271.5	0.048	1	1.62	0.014	0.07	0.2	4.1	0.22	<0.02	44	0.8	0.05	4.7
324	Soil	28.3	24.1	0.35	187.7	0.014	2	1.22	0.061	0.40	0.3	1.6	0.68	0.25	8	3.4	0.07	3.4
325	Soil	21.5	38.0	0.31	23.3	0.002	2	0.68	0.003	0.08	0.3	1.5	0.22	<0.02	21	1.0	0.07	2.5
326	Soil	21.7	27.8	0.41	163.0	0.015	2	1.25	0.067	0.20	0.3	2.1	0.63	0.06	19	3.1	0.04	4.1
327	Soil	27.8	28.7	0.45	135.5	0.008	5	1.93	0.097	0.28	0.5	1.9	1.37	<0.02	18	7.5	0.08	7.4
328	Soil	21.6	32.9	0.42	301.3	0.051	2	1.88	0.013	0.07	0.1	5.4	0.21	<0.02	54	1.3	0.03	5.8
329	Soil	21.0	24.4	0.41	183.0	0.002	4	1.39	0.044	0.11	0.2	0.9	0.56	<0.02	9	2.0	0.07	4.3
330	Soil	18.1	13.1	0.32	23.9	0.001	4	0.79	0.114	0.10	0.3	0.8	0.09	<0.02	<5	0.7	<0.02	3.5
331	Soil	22.2	51.7	0.46	68.8	0.006	2	1.06	0.003	0.07	0.8	2.3	0.23	<0.02	28	0.7	0.14	4.4
332	Soil	21.2	74.0	0.48	32.9	0.011	1	1.09	0.002	0.10	0.3	3.9	0.51	<0.02	15	0.5	0.08	4.2



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QUALITY CONTROL REPORT

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Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
282	Soil	0.09	23.37	4.75	81.1	24	38.3	16.8	412	3.08	0.2	0.4	3.8	5.0	327.7	0.02	0.04	0.06	19	7.06	0.044
REP 282	QC	0.10	22.55	4.49	76.5	19	36.1	16.3	398	2.99	0.3	0.4	3.3	4.7	310.6	0.03	0.04	0.07	19	6.78	0.043
315	Soil	1.20	28.03	10.38	67.3	160	36.5	7.7	470	2.22	15.8	1.7	9.8	7.1	10.3	0.23	0.12	0.33	12	0.18	0.060
REP 315	QC	1.21	28.32	10.40	66.5	140	36.9	7.9	472	2.28	16.5	1.7	1.7	7.1	10.7	0.20	0.12	0.32	12	0.18	0.060
0796	Soil	23.87	119.62	18.89	172.1	894	73.7	22.0	2473	4.13	13.5	2.4	2.9	8.5	20.8	2.21	0.45	0.19	21	0.21	0.124
REP 0796	QC	24.35	124.55	19.47	180.1	928	78.3	23.4	2481	4.32	13.6	2.6	4.1	8.8	21.4	2.49	0.48	0.19	21	0.22	0.126
583401	Soil	0.87	21.53	14.64	69.1	63	24.9	8.4	190	2.02	9.0	1.4	3.2	11.5	10.1	0.15	0.41	0.63	13	0.10	0.038
REP 583401	QC	0.81	21.30	14.51	69.1	60	24.5	8.4	190	2.01	8.8	1.4	3.5	11.5	10.1	0.20	0.39	0.63	13	0.10	0.037
583411	Soil	0.33	4.12	7.33	38.9	58	3.1	1.2	185	0.97	10.8	0.7	5.8	13.8	10.3	0.17	0.19	0.05	5	0.08	0.014
REP 583411	QC	0.36	3.90	7.57	37.6	54	3.0	1.2	191	0.99	11.2	0.7	4.9	13.9	10.6	0.14	0.18	0.07	5	0.08	0.014
583445	Soil	34.48	130.99	31.10	335.4	1684	87.3	23.7	986	4.74	58.3	3.5	4.4	10.1	53.7	3.16	1.36	0.49	33	0.64	0.137
REP 583445	QC	35.02	135.27	31.22	345.1	1717	89.9	25.0	1057	4.82	59.4	3.4	4.9	10.0	52.0	3.02	1.38	0.51	33	0.65	0.132
583463	Soil	0.37	13.06	17.18	45.1	71	10.7	3.3	250	1.59	15.7	1.2	13.7	18.0	18.4	0.06	0.29	0.22	13	0.20	0.050
REP 583463	QC	0.34	12.87	17.43	43.8	67	10.4	3.4	240	1.59	15.6	1.2	12.2	17.3	18.3	0.08	0.28	0.22	12	0.19	0.051
583475	Soil	0.47	52.89	2.96	127.0	28	85.0	36.6	420	4.41	7.1	1.1	1.0	5.3	5.3	0.03	0.11	0.35	19	0.09	0.044
REP 583475	QC	0.51	52.48	2.99	123.4	30	82.7	36.0	414	4.42	6.9	1.0	0.8	5.4	5.3	0.02	0.11	0.34	19	0.09	0.044
Reference Materials																					
STD DS11	Standard	14.39	148.84	134.79	337.4	1701	78.4	13.5	1034	3.07	41.5	2.4	127.0	7.3	67.5	2.24	7.20	11.41	49	1.05	0.069
STD DS11	Standard	14.68	151.62	132.44	341.5	1660	79.0	13.5	1052	3.12	41.5	2.6	72.2	7.5	71.3	2.30	7.42	11.15	51	1.09	0.070
STD DS11	Standard	14.43	151.14	135.08	337.1	1635	79.7	13.5	1006	3.06	40.6	2.5	68.0	7.4	66.7	2.22	7.37	11.28	48	1.09	0.066
STD DS11	Standard	13.42	148.93	143.78	337.0	1743	79.2	13.4	1042	3.08	42.6	2.8	67.5	7.8	73.1	2.39	8.93	13.05	49	1.05	0.072
STD DS11	Standard	16.45	161.58	144.08	340.8	1666	86.0	14.7	1071	3.26	40.8	2.8	75.8	8.4	71.0	2.19	7.68	11.29	52	1.12	0.064
STD DS11	Standard	14.80	160.21	141.61	336.8	1615	85.8	14.8	1043	3.09	40.7	2.8	73.2	7.9	63.6	2.36	7.40	11.36	51	1.06	0.070
STD DS11	Standard	15.21	159.99	141.36	341.9	1657	84.9	14.3	1046	3.10	42.1	2.7	72.9	7.9	65.9	2.31	7.27	11.54	49	1.06	0.072
STD DS11	Standard	13.96	151.29	135.78	335.1	1636	80.6	14.0	1039	3.10	42.2	2.6	70.0	7.5	70.0	2.28	8.11	12.50	48	1.07	0.072
STD DS11	Standard	14.92	158.74	140.64	367.8	1764	84.8	14.2	1047	3.13	41.6	2.7	77.1	8.0	66.8	2.51	8.19	11.83	49	1.07	0.071
STD OXC129	Standard	1.28	27.58	5.85	39.7	11	82.2	20.3	421	3.05	0.6	0.6	198.4	1.6	197.5	0.02	0.02	<0.02	52	0.73	0.100
STD OXC129	Standard	1.25	28.44	6.08	42.2	11	83.8	21.0	426	3.10	0.7	0.7	202.9	1.7	211.1	0.02	0.02	<0.02	54	0.81	0.103



QUALITY CONTROL REPORT

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
282	Soil	10.0	33.5	1.09	60.8	0.163	<1	1.89	0.011	0.95	<0.1	1.9	0.56	<0.02	<5	0.2	0.03	4.7
REP 282	QC	9.3	32.1	1.05	58.4	0.157	<1	1.80	0.010	0.92	<0.1	1.9	0.52	<0.02	<5	0.2	0.03	4.5
315	Soil	21.0	24.4	0.55	40.5	0.002	2	1.03	0.004	0.03	0.2	1.6	0.40	<0.02	9	0.6	0.13	3.2
REP 315	QC	22.1	25.3	0.55	43.8	0.002	2	1.04	0.004	0.04	0.2	1.7	0.39	<0.02	8	0.4	0.12	3.1
0796	Soil	34.1	8.1	0.04	210.8	0.002	<1	0.40	0.003	0.05	0.3	2.7	0.13	<0.02	380	3.5	0.10	1.1
REP 0796	QC	37.1	8.5	0.05	217.0	0.002	2	0.40	0.003	0.05	0.2	2.7	0.12	<0.02	369	4.1	0.13	1.2
583401	Soil	35.3	19.9	0.15	166.3	0.011	<1	0.57	0.003	0.05	<0.1	3.0	0.06	<0.02	19	0.6	0.05	1.5
REP 583401	QC	35.3	19.2	0.15	166.8	0.011	<1	0.57	0.003	0.05	<0.1	3.1	0.05	<0.02	28	0.9	0.04	1.5
583411	Soil	37.5	3.0	0.07	112.8	0.004	1	0.31	0.002	0.08	<0.1	2.9	0.06	<0.02	17	<0.1	<0.02	1.4
REP 583411	QC	37.9	3.1	0.07	116.5	0.005	1	0.31	0.002	0.08	<0.1	3.2	0.07	<0.02	13	0.2	<0.02	1.3
583445	Soil	17.7	13.5	0.18	191.2	0.003	3	0.42	0.004	0.08	0.4	3.0	0.24	0.06	89	7.8	0.29	1.4
REP 583445	QC	15.8	12.9	0.19	182.2	0.003	1	0.39	0.004	0.07	0.3	3.0	0.21	0.06	70	8.0	0.31	1.3
583463	Soil	39.5	10.8	0.28	223.6	0.019	<1	0.87	0.004	0.14	<0.1	3.9	0.13	<0.02	18	<0.1	<0.02	3.2
REP 583463	QC	37.6	10.6	0.27	221.6	0.018	<1	0.85	0.005	0.14	<0.1	3.6	0.11	<0.02	13	<0.1	<0.02	2.9
583475	Soil	18.2	21.7	0.40	67.4	0.005	<1	1.57	0.002	0.03	0.1	3.8	0.06	<0.02	7	0.4	<0.02	4.0
REP 583475	QC	18.0	22.0	0.40	67.3	0.004	<1	1.58	0.002	0.03	<0.1	3.8	0.06	<0.02	7	0.3	<0.02	4.1
Reference Materials																		
STD DS11	Standard	18.7	58.9	0.85	372.7	0.093	7	1.18	0.071	0.41	2.8	3.2	4.95	0.27	246	2.2	4.59	4.9
STD DS11	Standard	20.2	60.2	0.84	374.0	0.100	6	1.26	0.076	0.42	2.9	3.3	4.81	0.28	247	2.2	4.47	5.1
STD DS11	Standard	18.8	59.6	0.85	359.9	0.093	8	1.16	0.073	0.41	2.8	3.0	4.87	0.28	238	2.4	4.58	5.0
STD DS11	Standard	18.7	59.1	0.84	331.2	0.098	5	1.15	0.070	0.39	3.2	3.1	4.90	0.28	254	2.4	4.76	4.8
STD DS11	Standard	21.1	66.3	0.88	366.4	0.110	8	1.26	0.081	0.44	2.9	3.2	4.81	0.28	258	2.2	4.61	5.1
STD DS11	Standard	18.5	62.6	0.84	356.0	0.097	7	1.14	0.071	0.40	2.9	2.9	4.70	0.28	237	2.5	4.41	4.8
STD DS11	Standard	18.0	61.8	0.84	359.0	0.096	7	1.15	0.070	0.40	2.9	3.0	4.70	0.29	239	2.8	4.43	4.7
STD DS11	Standard	18.3	59.8	0.86	367.7	0.094	8	1.13	0.071	0.41	2.8	3.0	4.80	0.28	273	2.3	4.49	4.8
STD DS11	Standard	18.1	62.2	0.85	340.6	0.098	6	1.16	0.076	0.40	3.0	3.1	4.93	0.27	264	2.2	4.56	5.0
STD OXC-129	Standard	12.4	52.5	1.57	49.5	0.403	<1	1.62	0.585	0.36	<0.1	1.2	0.03	<0.02	<5	<0.1	<0.02	5.5
STD OXC-129	Standard	13.0	54.0	1.61	51.4	0.415	1	1.75	0.613	0.37	0.1	1.1	0.03	<0.02	<5	0.1	<0.02	5.9



Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **XyQuest Mining Corp.**
702-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Project: LEOTA, RST
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

WHI17000989.1

		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
STD OXC129	Standard	1.35	28.82	6.09	42.8	13	82.8	20.8	437	3.15	0.5	0.7	208.4	1.8	197.6	0.02	0.04	<0.02	53	0.75	0.101
STD OXC129	Standard	1.33	28.59	6.27	43.8	7	82.8	21.7	435	3.04	0.6	0.7	193.8	1.8	207.6	0.02	0.04	<0.02	50	0.67	0.102
STD OXC129	Standard	1.35	29.49	6.57	40.8	8	87.9	22.5	422	3.12	0.5	0.7	187.3	1.8	196.5	0.01	0.03	<0.02	52	0.79	0.091
STD OXC129	Standard	1.40	29.07	6.31	40.1	13	87.7	22.3	417	3.04	0.4	0.7	193.4	1.8	180.3	<0.01	0.03	0.03	54	0.66	0.098
STD OXC129	Standard	1.33	28.67	6.25	40.8	12	85.1	21.3	412	3.03	0.4	0.7	195.5	1.8	183.2	0.01	0.03	<0.02	51	0.68	0.101
STD OXC129	Standard	1.21	27.51	6.00	40.7	10	83.0	21.1	422	3.04	0.5	0.7	201.1	1.8	196.6	0.01	0.02	<0.02	51	0.67	0.100
STD OXC129	Standard	1.37	28.43	6.49	39.4	9	86.4	21.9	435	3.10	0.4	0.7	199.4	1.9	190.2	<0.01	0.04	<0.02	51	0.70	0.100
STD OXC129 Expected		1.3	28	6.2	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1710	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	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.01	<0.02	0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.4	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	0.002
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: LEOTA, RST
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

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		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
STD OXC129	Standard	12.5	55.2	1.59	51.2	0.429	1	1.62	0.609	0.38	<0.1	1.1	0.04	<0.02	<5	0.2	<0.02	5.5
STD OXC129	Standard	13.1	55.6	1.57	51.5	0.414	<1	1.57	0.574	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	13.0	59.0	1.58	51.5	0.440	<1	1.69	0.606	0.38	<0.1	0.8	0.04	<0.02	<5	0.2	<0.02	5.7
STD OXC129	Standard	13.2	56.2	1.57	49.7	0.415	1	1.56	0.598	0.36	<0.1	0.6	0.04	<0.02	<5	0.2	<0.02	5.0
STD OXC129	Standard	12.8	55.1	1.54	49.5	0.423	<1	1.57	0.577	0.36	<0.1	0.9	0.03	<0.02	<5	0.1	<0.02	5.4
STD OXC129	Standard	12.9	52.5	1.57	49.1	0.415	2	1.54	0.599	0.37	<0.1	0.8	0.04	<0.02	10	<0.1	<0.02	5.5
STD OXC129	Standard	12.8	56.9	1.57	50.8	0.409	<1	1.57	0.592	0.37	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.4
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.3	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.2	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Client: **XyQuest Mining Corp.**
702-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 04, 2017
Report Date: April 20, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17001013.1

CLIENT JOB INFORMATION

Project: LEOTA, RST
Shipment ID:
P.O. Number
Number of Samples: 41

SAMPLE DISPOSAL

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

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: XyQuest Mining Corp.
702-889 Pender Street W
Vancouver British Columbia V6C 3B2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	41	Dry at 60C			WHI
SS80	41	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	41	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	41	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: LEOTA, RST
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CERTIFICATE OF ANALYSIS

WHI17001013.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
443	Soil	1.26	89.71	13.40	109.1	123	108.1	27.6	1168	4.32	9.9	0.7	1.4	11.1	23.8	0.30	0.21	0.20	74	0.66	0.206
444	Soil	0.87	63.24	8.50	62.5	80	60.9	13.2	382	2.77	6.9	0.7	3.1	4.8	21.3	0.09	0.32	0.17	66	0.37	0.044
445	Soil	1.43	82.59	12.57	91.3	89	89.2	23.8	468	3.57	11.4	1.0	1.8	6.0	22.8	0.25	0.39	0.21	78	0.46	0.088
446	Soil	0.95	36.47	10.75	76.0	165	42.5	12.8	250	1.80	5.8	2.4	2.4	4.5	35.1	0.47	0.40	0.17	46	0.70	0.052
447	Soil	0.38	33.04	10.93	80.2	168	37.7	11.9	170	2.00	4.9	2.4	2.4	4.6	35.3	0.47	0.45	0.17	46	0.81	0.059
448	Soil	0.90	34.71	11.24	73.1	170	38.7	12.8	648	2.91	10.4	2.0	5.4	3.9	48.6	0.42	0.55	0.24	41	1.20	0.060
449	Soil	1.02	75.99	8.05	93.3	197	147.6	39.1	1130	5.28	24.5	0.5	2.6	6.7	64.1	0.11	0.31	0.09	155	2.54	0.253
450	Soil	1.68	103.40	8.85	93.9	249	155.6	37.8	946	5.28	18.9	0.8	4.5	6.2	57.3	0.19	0.32	0.11	141	1.91	0.201
451	Soil	1.45	98.03	13.96	115.6	234	114.9	32.5	1123	5.01	17.2	0.7	4.2	8.0	42.2	0.21	0.22	0.17	127	1.36	0.236
452	Soil	0.83	74.90	18.60	71.5	165	155.1	34.9	1892	4.70	44.8	0.5	4.4	4.6	16.1	0.17	0.15	0.09	90	0.52	0.127
453	Soil	0.82	89.80	13.66	83.0	261	140.0	44.0	1900	5.73	25.3	0.4	3.4	4.6	36.7	0.18	0.39	0.19	162	1.36	0.113
454	Soil	1.10	140.36	9.68	99.2	65	63.9	17.5	648	4.18	4.9	1.0	5.4	14.5	6.7	0.19	0.25	0.39	32	0.12	0.038
455	Soil	1.73	127.62	13.47	88.2	68	64.0	15.6	462	4.24	4.9	1.8	5.1	15.1	6.7	0.09	0.31	0.55	37	0.06	0.020
456	Soil	0.54	103.48	7.86	79.0	37	54.0	15.0	821	3.54	8.1	0.6	46.6	3.2	13.8	0.10	0.40	0.12	95	0.16	0.024
457	Soil	0.13	205.13	5.02	82.0	32	92.1	23.8	1097	4.02	0.5	0.3	2.3	3.5	7.1	0.10	0.10	0.15	106	0.24	0.027
458	Soil	0.20	198.66	5.40	117.1	25	93.5	26.0	948	3.94	0.8	0.2	0.6	0.2	6.4	0.07	0.10	0.06	137	0.16	0.007
459	Soil	0.23	277.91	4.12	94.6	40	63.4	28.5	824	4.06	0.7	0.3	2.3	0.3	7.3	0.06	0.11	0.09	96	0.17	0.008
460	Soil	0.10	137.56	3.44	68.6	18	81.9	19.2	791	3.04	0.7	<0.1	1.3	0.1	6.5	0.05	0.10	0.05	88	0.14	0.004
461	Soil	0.15	182.80	5.26	182.8	13	115.7	22.3	776	3.80	0.3	0.1	1.6	0.2	7.9	0.11	0.09	0.09	142	0.17	0.007
462	Soil	0.32	297.18	11.41	206.0	51	118.9	34.5	1657	4.32	1.8	0.3	1.0	0.6	3.7	0.33	0.13	0.06	160	0.09	0.012
463	Soil	0.25	215.20	16.77	552.2	42	142.7	35.2	1807	5.41	5.6	0.3	2.0	0.6	6.6	1.64	0.30	0.15	200	0.19	0.023
464	Soil	0.74	139.86	32.05	103.9	46	93.4	28.9	1386	6.26	209.1	0.8	3.2	3.8	10.6	0.16	0.34	0.39	99	0.24	0.044
465	Soil	0.47	100.22	2.94	48.2	16	67.6	27.3	559	3.37	2.6	0.1	<0.2	0.7	10.1	0.03	0.07	<0.02	65	0.33	0.088
466	Soil	0.19	75.90	3.10	72.7	20	91.3	24.5	860	4.07	1.8	0.3	<0.2	0.9	11.8	0.04	0.07	<0.02	83	0.39	0.089
467	Soil	0.23	98.61	4.51	45.5	21	56.9	25.2	536	3.77	2.9	0.3	0.9	0.7	7.8	0.03	0.13	<0.02	90	0.33	0.051
468	Soil	0.82	541.51	44.08	345.8	363	89.9	26.4	853	3.56	1.1	0.3	1.6	0.2	4.2	0.23	0.09	0.28	90	0.13	0.018
469	Soil	0.24	87.37	5.84	87.4	28	62.0	21.1	621	4.02	3.3	0.3	0.2	3.5	14.9	0.08	0.08	0.02	89	0.46	0.137
470	Soil	0.41	107.04	17.57	76.6	44	87.0	24.1	1484	3.57	5.9	0.7	0.7	10.6	20.3	0.21	0.11	0.12	70	0.61	0.198
471	Soil	0.14	58.70	6.63	67.4	67	56.9	29.9	852	4.49	6.1	0.2	1.3	2.4	22.5	0.12	0.11	0.06	140	1.92	0.088
472	Soil	0.77	50.28	10.75	60.1	95	238.6	22.8	1000	2.96	34.6	0.6	2.4	3.2	64.7	0.26	0.62	0.12	54	3.28	0.070



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Project: LEOTA, RST
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CERTIFICATE OF ANALYSIS

WHI17001013.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
443	Soil	29.4	83.5	1.50	307.6	0.100	<1	2.33	0.003	0.30	<0.1	7.5	0.25	<0.02	11	0.7	0.09	6.4
444	Soil	18.5	96.9	1.00	268.9	0.058	1	2.05	0.007	0.06	0.1	7.5	0.09	<0.02	20	0.3	0.02	5.4
445	Soil	25.0	106.9	1.19	308.4	0.055	<1	2.28	0.006	0.12	0.1	8.6	0.10	<0.02	28	0.8	0.06	6.1
446	Soil	19.7	50.0	0.68	336.8	0.051	2	1.52	0.010	0.07	0.1	4.7	0.07	0.10	39	1.0	0.02	4.1
447	Soil	18.6	50.5	0.66	326.0	0.051	1	1.58	0.010	0.07	0.2	5.0	0.08	0.07	44	1.2	0.03	4.4
448	Soil	16.0	38.8	0.57	410.8	0.032	2	1.40	0.009	0.06	0.2	4.1	0.07	0.07	41	1.5	<0.02	3.8
449	Soil	43.0	218.5	2.70	216.9	0.053	1	3.35	0.002	0.31	<0.1	12.5	0.16	<0.02	6	0.5	<0.02	9.4
450	Soil	39.7	212.1	2.54	283.5	0.056	<1	3.17	0.003	0.27	<0.1	12.3	0.14	<0.02	<5	0.9	0.02	8.5
451	Soil	38.2	137.8	2.14	424.9	0.122	<1	2.88	0.004	0.61	<0.1	10.8	0.31	<0.02	<5	1.1	0.07	8.2
452	Soil	26.3	177.1	2.58	261.8	0.075	1	2.99	0.002	0.29	<0.1	12.0	0.20	<0.02	15	0.5	0.05	6.7
453	Soil	28.7	206.5	2.90	352.9	0.064	1	3.46	0.003	0.34	<0.1	20.5	0.27	<0.02	11	0.6	0.04	9.5
454	Soil	58.3	49.0	1.46	90.6	0.003	1	2.57	0.002	0.04	<0.1	7.2	0.05	<0.02	17	1.6	0.13	6.4
455	Soil	53.5	39.5	1.15	150.2	0.007	<1	2.33	0.003	0.04	<0.1	7.7	0.04	<0.02	33	1.1	0.06	6.2
456	Soil	9.4	100.4	1.69	191.1	0.036	2	2.13	0.006	0.03	0.1	11.7	0.05	<0.02	19	0.2	<0.02	5.0
457	Soil	8.0	182.7	2.78	79.7	0.018	<1	2.84	0.002	0.02	<0.1	15.1	0.05	<0.02	<5	0.1	0.11	6.5
458	Soil	0.7	253.1	3.20	105.0	0.034	<1	2.94	0.002	0.01	<0.1	18.8	0.05	<0.02	<5	<0.1	0.03	6.0
459	Soil	0.7	99.3	2.49	77.6	0.045	<1	2.42	0.002	<0.01	<0.1	12.2	<0.02	<0.02	<5	0.4	0.12	4.4
460	Soil	0.6	221.1	2.29	62.0	0.019	1	2.25	0.002	<0.01	<0.1	10.4	<0.02	<0.02	7	<0.1	0.03	4.7
461	Soil	0.7	287.7	3.19	92.3	0.035	<1	2.80	0.004	<0.01	<0.1	20.1	0.02	<0.02	<5	<0.1	0.07	6.1
462	Soil	2.4	245.1	3.46	135.5	0.036	<1	3.05	0.002	0.03	<0.1	26.1	0.09	<0.02	12	0.1	0.04	6.8
463	Soil	3.2	308.9	3.75	217.2	0.024	1	3.64	0.002	0.02	<0.1	31.8	0.05	<0.02	25	0.1	0.08	8.3
464	Soil	14.3	72.5	1.12	431.1	0.045	<1	1.85	0.004	0.16	<0.1	8.1	0.18	<0.02	28	0.1	0.15	4.7
465	Soil	1.5	72.0	1.36	199.5	0.113	<1	1.94	0.009	0.40	<0.1	3.0	0.22	<0.02	13	<0.1	0.05	4.0
466	Soil	3.2	126.5	2.18	342.7	0.121	<1	2.57	0.006	0.41	<0.1	5.8	0.29	<0.02	12	<0.1	0.02	5.9
467	Soil	3.4	86.5	1.54	96.5	0.156	<1	2.18	0.010	0.02	<0.1	7.4	0.06	<0.02	7	<0.1	<0.02	4.8
468	Soil	0.9	124.3	2.46	46.3	0.043	<1	2.23	0.001	<0.01	<0.1	11.1	<0.02	<0.02	9	0.4	0.08	4.7
469	Soil	15.7	83.8	1.77	232.3	0.084	<1	2.49	0.008	0.21	<0.1	5.5	0.19	<0.02	<5	<0.1	0.03	6.3
470	Soil	44.3	72.2	1.44	408.8	0.087	<1	2.00	0.003	0.48	<0.1	6.2	0.32	<0.02	6	0.2	0.07	5.4
471	Soil	11.2	99.1	1.96	304.6	0.038	<1	2.72	0.004	0.21	<0.1	14.6	0.16	<0.02	7	<0.1	<0.02	8.2
472	Soil	11.1	195.8	1.47	208.3	0.046	2	1.28	0.012	0.05	0.2	6.1	0.08	<0.02	30	0.2	0.06	3.2



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Client: **XyQuest Mining Corp.**
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Vancouver British Columbia V6C 3B2 Canada

Project: LEOTA, RST
Report Date: April 20, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17001013.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
473	Soil	0.72	72.21	9.55	132.2	155	133.9	42.4	2259	6.42	69.3	0.3	1.4	2.2	13.6	0.34	0.23	0.19	87	1.30	0.089
474	Soil	0.76	145.17	4.75	25.2	136	1394.0	92.9	1774	4.83	69.5	0.7	4.0	0.3	7.5	0.34	0.34	0.08	31	0.21	0.010
475	Soil	0.55	69.94	8.05	38.6	101	486.5	39.4	892	2.99	24.8	0.9	2.7	1.9	12.8	0.11	0.36	0.15	50	0.32	0.032
476	Soil	0.45	80.79	8.24	86.5	102	275.3	33.5	1394	4.11	20.6	0.3	3.6	1.4	11.1	0.23	0.30	0.09	139	0.42	0.033
477	Soil	0.69	224.23	7.28	120.6	192	227.9	32.1	1590	4.90	24.3	0.3	1.7	1.3	15.2	0.23	0.40	0.11	134	0.64	0.025
478	Soil	1.04	52.24	13.94	71.2	176	62.8	13.5	518	3.21	188.4	1.4	14.5	6.7	29.4	0.14	2.60	0.20	56	0.45	0.067
479	Soil	1.25	49.22	22.76	101.1	125	35.3	11.7	426	3.26	212.4	1.6	10.8	11.8	18.5	0.24	2.20	0.23	35	0.29	0.083
480	Soil	1.37	56.17	14.86	74.0	193	54.7	16.9	761	3.85	230.5	1.9	27.0	7.2	35.0	0.04	3.39	0.35	64	0.45	0.062
481	Soil	1.75	61.00	15.97	87.3	411	69.0	19.8	1350	4.09	278.4	1.7	46.1	11.4	25.4	0.20	3.11	0.31	52	0.38	0.080
482	Soil	2.18	69.74	16.53	127.9	477	62.5	19.5	3577	4.09	236.3	2.3	27.2	13.3	32.5	0.11	2.29	0.30	39	0.39	0.125
483	Soil	1.06	101.86	15.03	104.7	170	44.2	18.7	1617	4.06	275.3	1.7	22.2	9.8	20.4	0.11	1.52	0.27	49	0.24	0.069



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Project: LEOTA, RST
Report Date: April 20, 2018

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17001013.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
473	Soil	8.2	150.5	2.11	523.8	0.050	1	2.50	0.003	0.17	<0.1	16.6	0.16	<0.02	<5	<0.1	<0.02	5.3
474	Soil	1.1	314.1	1.16	126.2	0.008	<1	0.80	0.003	<0.01	<0.1	6.7	0.07	<0.02	19	0.6	0.17	1.4
475	Soil	6.8	253.6	1.12	194.2	0.026	2	1.30	0.006	0.03	<0.1	7.4	0.08	<0.02	16	0.5	0.14	3.1
476	Soil	5.4	388.2	3.27	183.3	0.048	<1	2.96	0.006	0.03	<0.1	20.6	0.19	<0.02	28	<0.1	<0.02	6.4
477	Soil	4.3	239.2	2.76	231.4	0.012	2	2.78	0.005	0.04	<0.1	22.9	0.14	<0.02	14	0.2	0.09	5.7
478	Soil	21.0	57.1	0.69	368.0	0.041	<1	1.72	0.010	0.09	0.2	6.3	0.11	<0.02	56	0.2	0.03	4.5
479	Soil	29.8	25.1	0.37	316.2	0.023	1	1.29	0.005	0.13	<0.1	4.8	0.15	<0.02	46	0.1	0.03	3.8
480	Soil	23.3	48.9	0.58	434.0	0.055	5	2.17	0.014	0.16	0.1	8.3	0.19	<0.02	115	1.2	0.05	5.8
481	Soil	26.0	53.6	0.43	396.8	0.013	3	2.12	0.007	0.26	<0.1	9.6	0.31	<0.02	149	0.7	0.08	5.2
482	Soil	40.1	24.3	0.30	271.8	0.010	<1	2.25	0.005	0.22	<0.1	7.4	0.20	<0.02	49	0.3	0.08	5.5
483	Soil	32.9	27.2	0.49	413.0	0.027	<1	1.86	0.004	0.29	<0.1	7.4	0.13	<0.02	29	0.4	0.13	5.1



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Project: LEOTA, RST
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

WHI17001013.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
452 Soil	0.83	74.90	18.60	71.5	165	155.1	34.9	1892	4.70	44.8	0.5	4.4	4.6	16.1	0.17	0.15	0.09	90	0.52	0.127	
REP 452 QC	0.84	76.30	18.74	67.2	152	154.5	34.2	1895	4.63	44.6	0.5	3.8	4.6	16.8	0.17	0.14	0.09	89	0.52	0.126	
480 Soil	1.37	56.17	14.86	74.0	193	54.7	16.9	761	3.85	230.5	1.9	27.0	7.2	35.0	0.04	3.39	0.35	64	0.45	0.062	
REP 480 QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
Reference Materials																					
STD DS11 Standard	15.33	152.94	138.68	345.5	1682	81.1	13.9	1054	3.22	43.7	2.7	86.2	7.6	69.0	2.18	7.70	11.92	50	1.10	0.072	
STD DS11 Standard	15.01	154.81	136.11	333.6	1689	84.6	13.8	1043	3.09	42.5	2.6	68.1	7.7	67.4	2.22	7.26	11.61	50	1.07	0.068	
STD DS11 Standard	15.66	153.71	141.86	353.6	1844	77.9	14.1	1075	3.19	46.0	2.8	67.7	8.4	74.6	2.69	7.41	12.31	52	1.12	0.080	
STD OXC129 Standard	1.38	27.77	6.15	39.6	13	80.7	20.6	416	3.15	0.5	0.7	195.6	1.8	194.5	<0.01	0.02	0.11	53	0.78	0.098	
STD OXC129 Standard	1.20	26.83	6.11	37.5	8	83.0	21.0	407	3.04	0.7	0.7	193.3	1.8	186.4	0.01	0.03	<0.02	53	0.72	0.092	
STD OXC129 Standard	1.24	28.02	6.45	40.3	10	79.9	21.5	424	3.07	0.5	0.7	195.0	1.9	195.0	0.03	<0.02	<0.02	53	0.77	0.101	
STD OXC129 Expected	1.3	28	6.2	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684	0.102	
STD DS11 Expected	14.6	149	138	345	1710	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	<0.01	0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: LEOTA, RST
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

WHI17001013.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
452	Soil	26.3	177.1	2.58	261.8	0.075	1	2.99	0.002	0.29	<0.1	12.0	0.20	<0.02	15	0.5	0.05	6.7
REP 452	QC	26.3	175.1	2.55	263.3	0.075	1	2.96	0.002	0.29	<0.1	11.7	0.20	<0.02	14	0.6	0.04	6.5
480	Soil	23.3	48.9	0.58	434.0	0.055	5	2.17	0.014	0.16	0.1	8.3	0.19	<0.02	115	1.2	0.05	5.8
REP 480	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																		
STD DS11	Standard	19.2	60.3	0.85	354.8	0.100	8	1.20	0.075	0.42	3.3	3.6	4.88	0.28	274	2.4	4.60	5.2
STD DS11	Standard	18.8	57.3	0.85	367.5	0.098	9	1.17	0.073	0.41	2.8	3.1	4.70	0.28	245	2.2	4.45	4.7
STD DS11	Standard	21.0	62.5	0.86	391.7	0.105	8	1.27	0.076	0.42	2.9	3.7	4.98	0.29	279	2.5	4.70	5.5
STD OXC129	Standard	12.1	54.8	1.61	49.9	0.422	<1	1.67	0.610	0.37	0.1	0.9	0.05	<0.02	12	0.1	0.02	5.8
STD OXC129	Standard	12.2	53.0	1.59	47.9	0.412	1	1.61	0.597	0.36	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	12.8	54.7	1.58	52.5	0.407	1	1.66	0.597	0.36	<0.1	1.1	0.03	<0.02	5	<0.1	<0.02	5.7
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	8	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 04, 2017
Report Date: April 05, 2018
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI17000995.1

CLIENT JOB INFORMATION

Project: Leota
Shipment ID:
P.O. Number
Number of Samples: 298

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: Goldbank Mining Corp.
#702 - 889 W. Pender St.
Vancouver British Columbia V6C 3B2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	298	Dry at 60C			WHI
SS80	298	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	296	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	298	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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Vancouver British Columbia V6C 3B2 Canada

Project: Leota
Report Date: April 05, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000995.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
137	Soil	0.76	36.44	9.52	54.5	62	134.6	16.9	487	3.21	18.4	0.8	4.4	4.0	18.4	0.07	0.51	0.16	74	0.33	0.030
138	Soil	0.94	59.97	8.92	88.1	120	125.3	30.9	1550	6.98	23.3	0.6	14.3	1.2	14.0	0.28	0.55	0.04	200	1.89	0.076
139	Soil	0.51	12.17	11.45	41.7	35	12.9	3.7	367	1.79	34.9	1.1	34.5	12.8	10.9	0.07	0.43	0.16	7	0.12	0.017
140	Soil	0.68	16.28	30.48	32.3	13	17.3	5.4	154	1.45	11.3	1.0	3.4	11.0	11.9	0.09	0.42	0.22	17	0.18	0.016
141	Soil	0.54	12.75	23.13	34.0	32	10.0	3.5	150	1.29	8.3	0.8	3.9	9.9	10.0	0.07	0.41	0.22	13	0.16	0.019
142	Soil	0.64	18.11	22.92	36.5	58	19.4	5.8	185	1.69	23.7	0.8	1.5	13.3	11.2	0.04	0.50	0.24	25	0.19	0.017
143	Soil	0.56	25.43	25.39	55.5	126	19.9	8.4	521	3.06	7.7	1.2	6.8	13.9	16.7	0.09	0.28	0.21	42	0.32	0.049
144	Soil	0.59	5.91	26.57	32.0	15	6.3	2.2	149	1.25	17.8	1.0	9.5	12.7	7.6	0.06	0.22	0.32	5	0.09	0.032
145	Soil	0.99	30.46	49.53	60.4	51	29.2	6.7	276	2.25	20.1	1.8	1.6	18.4	15.0	0.10	0.54	0.46	15	0.17	0.052
146	Soil	0.42	5.80	10.91	42.5	14	2.2	1.9	184	1.65	2.4	1.1	1.0	6.4	9.8	0.04	0.19	0.14	7	0.08	0.020
147	Soil	0.88	11.37	16.89	42.4	68	14.5	5.7	202	2.01	12.7	0.8	7.2	8.0	13.8	0.07	0.42	0.19	31	0.21	0.011
148	Soil	0.47	9.98	23.21	42.9	29	8.1	3.8	311	1.77	12.5	1.1	3.0	16.1	10.7	0.07	0.25	0.22	12	0.18	0.027
149	Soil	0.60	6.55	12.04	52.8	13	4.7	2.6	239	1.95	3.6	1.1	1.6	11.2	7.1	0.05	0.21	0.11	7	0.11	0.019
150	Soil	0.57	11.66	11.55	36.2	50	8.7	5.4	232	2.15	12.7	1.3	59.2	12.3	10.2	0.04	0.24	0.15	22	0.20	0.042
151	Soil	0.35	6.48	11.63	52.4	31	2.5	1.8	295	1.69	2.7	1.1	2.4	12.4	9.5	0.06	0.13	0.10	5	0.11	0.035
152	Soil	0.68	15.82	16.23	36.1	222	16.3	6.0	231	1.80	9.2	1.1	8.1	12.3	16.5	0.06	0.40	0.34	30	0.25	0.028
153	Soil	0.51	9.28	14.45	37.7	22	9.3	4.2	221	1.77	5.5	1.0	2.9	11.1	13.1	0.03	0.25	0.17	16	0.16	0.039
154	Soil	0.54	16.35	10.75	41.1	11	9.1	6.6	298	2.27	5.8	1.4	7.2	11.0	10.4	0.04	0.30	0.17	29	0.27	0.082
155	Soil	0.74	13.08	14.51	50.9	48	6.8	4.2	290	2.05	12.8	1.9	20.3	19.1	11.4	0.06	0.21	0.16	15	0.13	0.033
156	Soil	0.44	10.59	24.45	53.3	33	5.5	2.2	324	1.72	5.2	2.0	8.8	16.7	9.4	0.10	0.34	0.24	5	0.12	0.037
157	Soil	0.72	11.62	16.37	40.7	71	13.3	4.9	237	1.85	8.8	1.1	6.8	11.5	14.6	0.08	0.34	0.20	24	0.21	0.050
158	Soil	0.96	15.05	31.01	56.9	33	9.6	7.3	510	2.34	9.3	2.4	9.4	21.0	11.1	0.12	0.21	0.27	27	0.19	0.069
159	Soil	0.86	14.90	28.09	44.4	31	11.9	5.1	268	1.81	7.0	2.5	7.3	20.1	12.7	0.07	0.26	0.28	22	0.21	0.032
160	Soil	0.85	17.21	11.86	56.3	70	19.4	8.9	338	2.43	10.1	1.1	4.5	9.4	21.9	0.12	0.41	0.16	37	0.42	0.069
161	Soil	0.59	36.96	6.43	56.3	52	13.3	16.6	602	3.42	1.2	1.1	1.2	6.7	21.5	0.07	0.25	0.07	51	0.50	0.119
162	Soil	0.48	7.53	12.42	46.2	27	5.1	2.3	293	1.50	32.2	1.8	5.3	14.6	16.2	0.09	0.36	2.23	5	0.14	0.028
163	Soil	0.41	4.83	35.48	83.1	19	4.7	1.6	107	0.84	9.4	6.1	2.3	25.4	23.1	0.05	0.23	1.64	8	0.58	0.012
164	Soil	1.16	24.18	64.23	124.6	89	59.3	7.5	248	1.97	38.8	4.5	1.0	29.1	27.2	0.02	0.54	1.65	37	0.47	0.028
165	Soil	1.18	8.13	83.59	103.9	28	8.6	2.8	200	0.99	13.7	5.5	<0.2	29.9	14.3	0.03	0.29	2.13	11	0.26	0.016
166	Soil	0.71	6.97	21.21	48.7	17	4.6	2.4	132	0.85	3.1	1.3	0.6	15.4	12.0	0.11	0.20	0.28	8	0.07	0.009



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.1	0.01	0.02	0.02	0.1
137	Soil	14.4	241.0	1.59	267.8	0.054	3	1.98	0.007	0.04	0.1	7.5	0.07	<0.02	25	0.2	0.02	5.4
138	Soil	7.0	181.8	1.60	348.1	0.008	3	2.39	0.003	0.07	<0.1	31.5	0.11	<0.02	52	0.3	<0.02	6.8
139	Soil	25.4	12.0	0.09	154.2	0.002	3	0.41	0.003	0.10	<0.1	4.4	0.09	<0.02	23	<0.1	<0.02	1.2
140	Soil	26.2	19.6	0.21	328.1	0.004	1	0.80	0.002	0.08	<0.1	2.1	0.10	<0.02	6	0.2	<0.02	1.8
141	Soil	18.9	13.8	0.17	301.3	0.005	2	0.58	0.003	0.10	<0.1	4.2	0.12	<0.02	15	0.3	<0.02	1.7
142	Soil	23.4	22.0	0.25	271.9	0.012	2	0.78	0.004	0.09	<0.1	7.6	0.09	<0.02	30	0.4	0.03	2.2
143	Soil	30.1	28.2	0.52	286.6	0.010	2	1.06	0.004	0.12	<0.1	8.9	0.14	<0.02	59	0.2	<0.02	2.9
144	Soil	9.8	4.2	0.16	73.9	0.006	3	0.51	0.001	0.12	<0.1	2.3	0.15	<0.02	5	<0.1	<0.02	1.6
145	Soil	14.0	10.2	0.27	127.2	0.012	2	0.78	0.002	0.21	<0.1	5.1	0.26	<0.02	9	0.6	<0.02	2.5
146	Soil	7.8	3.4	0.19	68.4	0.020	1	0.59	0.002	0.21	<0.1	3.4	0.18	<0.02	24	<0.1	<0.02	2.4
147	Soil	18.6	22.3	0.33	186.6	0.031	2	1.08	0.005	0.09	<0.1	3.0	0.10	<0.02	13	<0.1	<0.02	3.1
148	Soil	15.8	7.4	0.24	138.2	0.013	<1	0.76	0.002	0.20	<0.1	3.3	0.20	<0.02	12	0.4	<0.02	2.3
149	Soil	16.1	5.3	0.20	142.3	0.027	<1	0.75	0.003	0.27	<0.1	4.6	0.26	<0.02	36	<0.1	<0.02	3.4
150	Soil	37.3	12.4	0.28	230.8	0.019	2	0.87	0.003	0.21	<0.1	5.0	0.16	<0.02	70	0.1	<0.02	2.2
151	Soil	17.9	2.8	0.19	158.2	0.040	2	0.63	0.002	0.30	<0.1	4.9	0.28	<0.02	55	<0.1	<0.02	3.4
152	Soil	39.5	23.6	0.31	284.9	0.036	3	0.92	0.008	0.07	0.2	4.8	0.07	<0.02	55	0.2	<0.02	2.7
153	Soil	22.7	11.9	0.31	196.7	0.027	1	0.87	0.003	0.22	<0.1	3.3	0.19	<0.02	25	<0.1	<0.02	2.9
154	Soil	30.3	10.4	0.39	272.8	0.037	<1	1.02	0.004	0.29	<0.1	5.4	0.19	<0.02	53	<0.1	<0.02	3.2
155	Soil	52.5	7.4	0.20	288.5	0.017	1	0.64	0.003	0.21	<0.1	6.2	0.19	<0.02	124	0.3	<0.02	2.3
156	Soil	23.5	3.0	0.12	203.2	0.005	1	0.47	0.002	0.14	<0.1	6.1	0.18	<0.02	228	0.2	<0.02	2.0
157	Soil	25.3	17.4	0.26	159.3	0.025	<1	0.75	0.005	0.11	0.2	3.4	0.10	<0.02	46	0.2	<0.02	2.3
158	Soil	129.3	9.0	0.23	175.3	0.011	1	0.67	0.002	0.25	<0.1	5.9	0.21	<0.02	57	0.4	<0.02	2.5
159	Soil	95.5	13.8	0.21	393.8	0.009	1	0.85	0.004	0.12	0.2	6.9	0.13	<0.02	118	0.9	<0.02	2.9
160	Soil	19.9	22.9	0.38	272.2	0.032	1	1.11	0.008	0.10	0.2	5.3	0.11	<0.02	49	0.4	<0.02	3.6
161	Soil	24.8	17.8	0.61	316.3	0.021	2	1.33	0.003	0.32	<0.1	10.2	0.22	<0.02	95	0.2	<0.02	4.1
162	Soil	35.7	3.1	0.08	164.4	0.002	2	0.48	0.003	0.13	<0.1	4.1	0.35	<0.02	365	0.2	<0.02	2.1
163	Soil	19.2	7.5	0.14	196.2	0.007	4	1.31	0.008	0.30	1.5	2.6	0.59	<0.02	91	0.5	<0.02	6.0
164	Soil	23.4	69.5	0.38	297.6	0.016	3	1.96	0.010	0.28	0.7	5.9	0.76	<0.02	108	1.5	0.03	8.4
165	Soil	17.9	14.6	0.13	310.6	0.005	3	0.98	0.008	0.27	1.1	2.8	0.69	<0.02	45	1.0	<0.02	5.3
166	Soil	19.4	6.6	0.10	489.5	0.006	1	0.45	0.003	0.08	0.3	2.7	0.11	<0.02	14	0.3	<0.02	1.7



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
167	Soil	12.08	7.13	14.46	19.3	48	3.9	2.1	47	1.57	3.0	1.1	0.4	12.6	11.6	0.05	0.20	1.41	10	0.04	0.008
168	Soil	6.07	6.40	15.96	10.7	51	2.6	2.1	33	1.53	2.4	0.5	<0.2	10.3	6.8	0.02	0.17	1.26	7	0.01	0.010
169	Soil	1.30	16.47	18.45	36.9	22	14.6	5.4	159	1.82	6.9	1.1	2.8	11.1	11.7	0.02	0.46	0.44	31	0.09	0.008
170	Soil	2.76	6.99	9.10	12.5	29	4.7	3.1	86	1.04	3.1	1.4	2.5	14.0	6.2	<0.01	0.25	0.48	9	0.04	0.004
171	Soil	1.13	13.38	19.49	6.7	11	2.7	1.2	22	0.57	1.1	1.8	0.9	19.6	4.6	<0.01	0.13	0.56	3	0.01	0.005
172	Soil	2.33	32.29	12.77	28.7	16	12.1	5.3	128	1.52	1.8	2.8	2.1	19.1	21.5	0.02	0.26	0.30	11	0.07	0.008
173	Soil	0.98	11.94	8.34	28.7	29	9.9	4.8	136	1.56	4.7	1.2	1.9	10.8	9.4	0.04	0.31	0.20	27	0.07	0.008
174	Soil	1.11	11.81	16.26	26.1	31	10.0	4.3	108	1.47	5.7	1.0	2.2	11.3	7.8	0.05	0.33	0.23	24	0.07	0.024
175	Soil	1.28	11.75	17.02	20.2	40	6.3	3.0	126	0.98	2.4	1.8	1.7	17.2	9.2	0.09	0.22	0.23	13	0.05	0.013
176	Soil	0.87	27.52	45.02	60.6	38	14.6	8.0	386	1.90	1.9	1.8	2.6	16.5	17.4	0.25	0.29	0.28	24	0.23	0.082
177	Soil	2.05	11.32	143.31	29.5	298	3.9	3.3	115	0.95	2.3	1.1	0.3	10.2	5.6	0.09	0.18	1.68	11	0.03	0.021
178	Soil	1.56	14.39	50.56	44.1	108	7.1	4.3	284	1.14	1.1	2.5	0.8	15.9	6.4	0.24	0.19	0.37	11	0.07	0.029
179	Soil	1.40	11.09	36.58	41.6	101	5.4	3.8	294	1.18	2.4	1.7	1.6	12.4	6.5	0.19	0.21	0.29	17	0.06	0.024
230	Soil	0.87	14.51	20.60	54.7	23	8.6	3.8	134	1.46	4.1	2.0	1.7	24.3	5.3	0.07	0.22	0.29	12	0.03	0.014
231	Soil	0.74	24.61	20.03	60.7	24	12.7	7.5	189	2.31	4.7	1.5	3.1	17.9	7.0	0.05	0.35	0.28	26	0.04	0.014
232	Soil	0.81	40.81	11.11	77.4	39	24.2	11.4	249	3.22	10.0	3.2	2.2	12.4	14.2	0.07	0.62	0.23	41	0.12	0.019
233	Soil	0.63	57.77	11.25	106.5	21	26.7	13.7	305	3.29	8.8	1.9	5.7	24.0	12.5	0.05	0.56	0.38	27	0.10	0.030
234	Soil	0.35	33.41	12.56	53.2	22	19.9	15.7	564	3.52	1.8	1.4	2.8	14.4	3.8	0.04	0.13	0.15	56	0.03	0.029
235	Soil	0.76	28.01	11.91	80.1	31	26.6	13.2	569	3.08	9.5	1.5	4.2	5.9	9.3	0.04	0.49	0.18	35	0.07	0.025
236	Soil	1.36	17.34	28.29	83.7	29	8.1	4.9	152	1.57	20.8	1.7	3.5	13.0	6.0	0.08	0.69	0.31	14	0.04	0.018
237	Soil	1.04	7.93	17.44	24.4	31	3.9	2.9	89	0.84	8.1	0.9	1.0	11.7	3.3	0.04	0.32	0.26	9	0.01	0.015
238	Soil	0.54	78.17	14.33	84.6	67	50.9	16.8	1241	3.29	4.7	1.6	4.3	8.5	10.4	0.12	0.40	0.24	62	0.14	0.039
239	Soil	0.70	78.79	9.63	86.9	61	51.3	15.0	437	3.46	8.8	1.8	3.1	9.6	8.1	0.07	0.56	0.21	65	0.09	0.030
240	Soil	0.91	66.57	9.51	94.3	128	51.4	16.3	625	3.71	10.8	1.1	1.9	7.2	11.5	0.11	0.77	0.22	70	0.14	0.042
241	Soil	0.71	103.25	6.21	122.3	78	54.3	12.3	552	3.99	8.0	1.8	0.5	10.9	6.6	0.17	0.47	0.23	61	0.07	0.085
242	Soil	0.77	99.09	11.74	136.3	222	66.7	14.3	1030	3.83	10.3	1.7	3.6	9.9	13.1	0.34	0.63	0.22	65	0.17	0.046
243	Soil	0.71	74.83	28.94	205.7	299	90.8	21.6	537	5.44	9.3	1.1	2.0	6.9	17.9	0.53	0.46	0.15	129	0.22	0.057
244	Soil	1.20	96.13	30.27	176.6	209	56.6	17.3	833	3.78	11.2	1.4	0.2	9.6	5.4	0.31	0.47	0.23	54	0.06	0.074
245	Soil	1.19	36.52	30.47	121.1	222	38.9	10.3	386	3.16	13.3	1.1	3.8	6.4	13.3	0.24	0.68	0.22	67	0.12	0.040
246	Soil	0.74	36.14	120.56	185.7	115	34.1	8.2	286	2.54	10.9	1.1	6.0	6.7	10.2	0.29	0.77	0.14	48	0.13	0.051



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
167	Soil	9.2	7.0	0.08	141.9	0.009	<1	0.51	0.022	0.10	0.1	1.2	0.07	0.13	<5	1.1	0.10	1.3
168	Soil	15.0	6.2	0.04	131.6	0.005	<1	0.41	0.030	0.09	0.1	1.0	0.04	0.15	<5	0.3	0.04	0.9
169	Soil	18.2	22.8	0.33	408.6	0.036	1	1.13	0.007	0.04	0.2	2.9	0.07	<0.02	17	0.1	<0.02	2.9
170	Soil	21.2	7.6	0.08	597.8	0.011	<1	0.46	0.003	0.05	0.1	2.3	0.04	<0.02	12	<0.1	0.02	1.1
171	Soil	18.4	3.3	0.02	387.9	0.004	1	0.22	0.002	0.04	<0.1	1.1	0.02	<0.02	<5	<0.1	<0.02	0.5
172	Soil	46.5	9.9	0.10	1330.3	0.002	<1	0.54	0.002	0.09	<0.1	5.4	0.07	<0.02	9	0.3	<0.02	1.2
173	Soil	21.5	16.9	0.27	291.3	0.028	1	0.99	0.004	0.05	<0.1	2.4	0.06	<0.02	9	<0.1	<0.02	2.6
174	Soil	21.5	14.2	0.22	280.3	0.019	<1	0.95	0.003	0.06	0.1	2.1	0.07	<0.02	13	0.1	<0.02	2.5
175	Soil	43.6	10.4	0.14	529.1	0.012	<1	0.59	0.003	0.08	0.1	1.9	0.06	<0.02	7	0.1	<0.02	1.7
176	Soil	65.3	26.2	0.62	1299.5	0.048	<1	1.02	0.003	0.35	<0.1	4.4	0.33	<0.02	13	<0.1	<0.02	3.3
177	Soil	23.6	7.6	0.07	240.5	0.008	<1	0.43	0.004	0.09	<0.1	1.5	0.06	0.03	6	<0.1	<0.02	1.4
178	Soil	67.5	12.8	0.25	429.0	0.015	<1	0.58	0.002	0.15	<0.1	2.6	0.14	<0.02	<5	0.1	<0.02	1.8
179	Soil	46.0	11.1	0.17	323.9	0.021	<1	0.60	0.003	0.13	<0.1	1.7	0.10	<0.02	10	<0.1	<0.02	2.1
230	Soil	56.1	11.5	0.13	108.7	0.028	<1	0.59	0.002	0.12	<0.1	2.3	0.13	<0.02	12	<0.1	<0.02	1.6
231	Soil	39.8	17.5	0.33	129.4	0.054	<1	1.04	0.003	0.16	<0.1	3.4	0.15	<0.02	18	0.3	<0.02	2.8
232	Soil	35.6	28.4	0.45	226.5	0.062	<1	1.43	0.004	0.17	<0.1	6.9	0.13	<0.02	32	0.2	0.02	3.9
233	Soil	62.2	25.3	0.53	178.4	0.042	<1	1.22	0.003	0.19	<0.1	7.2	0.19	<0.02	20	0.3	<0.02	3.5
234	Soil	22.8	48.3	0.85	125.9	0.233	<1	1.68	0.002	0.72	<0.1	6.5	0.47	<0.02	8	0.3	<0.02	4.5
235	Soil	14.2	34.5	0.50	221.9	0.098	<1	1.29	0.004	0.28	<0.1	5.1	0.19	<0.02	20	0.2	<0.02	3.7
236	Soil	30.6	14.8	0.10	119.2	0.009	<1	0.75	0.002	0.13	<0.1	2.4	0.09	<0.02	11	0.2	<0.02	1.8
237	Soil	24.2	8.5	0.05	53.3	0.008	<1	0.44	0.001	0.05	<0.1	0.9	0.06	<0.02	<5	<0.1	0.03	1.2
238	Soil	37.5	62.3	0.79	428.8	0.085	<1	1.74	0.003	0.20	<0.1	9.5	0.19	<0.02	36	0.4	0.05	5.7
239	Soil	45.4	67.5	0.77	327.6	0.042	<1	2.04	0.004	0.05	<0.1	6.3	0.12	<0.02	17	0.5	0.05	4.8
240	Soil	16.9	67.2	0.61	293.5	0.020	<1	2.04	0.004	0.07	<0.1	4.5	0.14	<0.02	13	0.3	0.04	5.2
241	Soil	38.5	43.3	0.68	243.4	0.053	<1	1.73	0.003	0.26	<0.1	3.6	0.23	<0.02	7	0.2	0.09	4.8
242	Soil	38.5	81.2	0.81	358.1	0.032	<1	1.82	0.003	0.05	<0.1	8.9	0.16	<0.02	26	0.5	0.06	5.3
243	Soil	43.5	203.9	1.94	451.7	0.133	<1	3.79	0.005	0.09	<0.1	10.8	0.15	<0.02	11	0.5	0.03	9.5
244	Soil	28.3	64.0	0.71	196.6	0.044	<1	1.82	0.002	0.14	<0.1	4.8	0.16	<0.02	9	0.3	0.06	4.6
245	Soil	22.3	48.4	0.52	290.7	0.054	2	2.26	0.006	0.09	0.1	4.9	0.14	<0.02	32	0.4	0.05	5.8
246	Soil	16.6	36.2	0.31	175.4	0.025	<1	1.30	0.003	0.04	0.1	3.4	0.09	<0.02	26	0.4	0.04	2.9



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
247	Soil	1.28	38.59	21.00	77.8	118	38.8	12.5	380	3.10	9.5	0.8	5.5	5.6	12.0	0.12	0.55	0.16	67	0.15	0.043
248	Soil	1.27	29.34	60.05	125.5	194	28.2	13.8	1199	2.78	9.4	0.7	1.1	4.4	14.8	0.27	0.59	0.20	69	0.15	0.049
249	Soil	0.74	34.62	11.12	118.1	150	31.1	9.6	303	2.91	8.3	1.1	2.5	5.3	14.0	0.16	0.49	0.15	63	0.13	0.021
250	Soil	0.89	49.89	11.69	95.1	219	55.4	15.7	407	4.13	8.4	0.6	2.9	6.1	12.5	0.16	0.45	0.17	85	0.15	0.051
251	Soil	0.85	67.84	9.31	105.0	297	42.1	12.3	777	2.89	4.5	1.1	1.5	8.0	11.7	0.28	0.29	0.25	44	0.22	0.136
252	Soil	0.67	25.83	24.65	89.6	283	25.1	7.6	379	2.20	7.5	1.0	2.5	4.7	12.3	0.32	0.52	0.15	41	0.17	0.057
253	Soil	0.73	19.30	54.26	104.2	345	19.6	7.0	953	1.94	3.6	0.6	5.2	2.6	11.5	0.49	0.31	0.18	38	0.16	0.097
254	Soil	0.25	76.50	4.67	73.3	33	64.4	26.6	770	4.66	2.3	0.7	1.1	2.3	18.1	0.05	0.17	0.04	128	0.56	0.145
255	Soil	0.35	82.59	3.20	52.7	27	42.8	17.5	312	3.35	3.2	0.7	0.5	2.5	12.5	0.05	0.23	0.05	79	0.28	0.050
256	Soil	0.65	101.76	3.15	71.2	49	60.5	19.8	510	4.14	8.3	0.8	1.8	3.6	18.4	0.02	0.47	0.08	90	0.51	0.110
257	Soil	0.82	36.14	8.73	61.3	61	59.8	19.0	592	3.67	8.2	0.5	2.2	3.2	14.9	0.08	0.45	0.15	82	0.24	0.059
258	Soil	0.17	63.07	2.26	47.5	18	92.7	28.8	840	3.88	2.2	0.2	0.2	1.4	20.1	0.05	0.12	0.03	104	0.66	0.219
259	Soil	0.11	88.16	0.79	28.2	18	29.9	14.4	489	1.88	0.9	<0.1	0.4	0.4	14.1	0.03	0.08	<0.02	48	0.48	0.105
260	Soil	0.08	83.71	0.64	39.4	7	55.9	20.5	393	2.29	0.8	0.3	0.9	0.6	16.8	0.02	0.08	<0.02	47	0.65	0.169
261	Soil	0.34	72.76	2.76	51.8	22	71.2	22.4	569	2.98	3.7	0.3	1.3	1.5	21.2	0.03	0.24	0.05	71	0.45	0.068
262	Soil	0.30	35.95	3.35	53.0	13	89.3	27.5	1238	3.95	2.4	0.2	<0.2	1.9	18.9	0.02	0.16	0.08	111	0.51	0.164
263	Soil	0.26	62.92	3.62	65.1	10	95.0	29.5	416	4.08	3.6	0.3	<0.2	1.7	17.5	0.03	0.19	0.05	107	0.32	0.037
264	Soil	1.05	73.70	7.89	81.4	110	58.7	15.9	450	3.31	4.8	0.8	5.4	6.4	7.1	0.06	0.42	0.15	47	0.06	0.035
265	Soil	1.32	88.97	11.41	94.8	104	54.8	12.9	262	3.77	8.2	1.3	4.3	11.7	7.4	0.05	0.50	0.28	57	0.06	0.026
266	Soil	0.40	62.41	5.63	58.7	36	58.1	16.8	222	3.21	6.5	0.5	0.5	3.2	13.9	0.04	0.33	0.09	61	0.34	0.100
267	Soil	0.81	59.50	12.95	77.2	28	66.5	24.8	428	4.10	5.1	1.9	2.3	7.5	13.7	0.03	0.41	0.13	73	0.17	0.030
268	Soil	1.30	106.53	8.11	93.0	25	60.7	13.1	537	3.86	13.2	1.9	2.7	10.4	9.5	0.02	1.03	0.21	68	0.09	0.028
269	Soil	0.53	75.55	5.27	93.4	20	62.1	16.6	354	3.78	5.7	0.7	0.8	5.4	11.6	0.03	0.31	0.11	68	0.14	0.032
270	Soil	0.83	75.20	10.17	77.6	43	79.6	22.9	383	4.27	8.9	2.4	5.4	5.1	19.5	0.04	0.59	0.15	94	0.20	0.031
271	Soil	1.08	67.61	15.98	80.4	74	45.6	12.7	492	3.52	9.7	2.6	131.3	7.7	12.8	0.06	0.64	0.21	77	0.11	0.026
272	Soil	0.77	41.92	12.87	71.2	50	35.3	10.5	369	3.16	9.9	1.6	3.4	5.8	22.7	0.06	0.61	0.19	63	0.28	0.031
273	Soil	0.84	42.75	11.91	65.1	99	35.2	11.9	332	3.30	8.6	1.4	3.4	6.6	15.5	0.05	0.52	0.20	71	0.14	0.021
274	Soil	0.75	20.68	9.65	49.1	86	22.5	8.4	258	2.63	8.5	0.7	0.8	4.0	12.2	0.03	0.46	0.16	55	0.12	0.020
275	Soil	0.79	48.29	11.26	75.0	78	34.9	12.5	493	3.08	5.9	1.5	3.9	5.5	20.4	0.13	0.46	0.15	63	0.24	0.036
276	Soil	0.82	29.93	9.97	57.1	29	24.5	8.4	265	2.48	6.3	0.9	2.5	4.5	18.7	0.07	0.50	0.12	51	0.23	0.025



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
247	Soil	15.5	61.0	0.56	231.5	0.045	<1	1.88	0.005	0.09	0.1	4.5	0.12	<0.02	21	0.3	0.03	4.9
248	Soil	18.7	43.2	0.35	370.1	0.034	1	1.40	0.004	0.08	0.1	4.0	0.12	<0.02	20	0.2	<0.02	5.3
249	Soil	21.7	63.6	0.68	299.4	0.048	<1	1.84	0.006	0.04	<0.1	6.9	0.12	<0.02	22	0.2	0.04	4.9
250	Soil	13.4	95.8	1.10	259.6	0.055	1	2.49	0.004	0.11	<0.1	7.3	0.15	<0.02	19	0.3	0.03	6.2
251	Soil	31.1	35.3	0.53	261.4	0.027	1	1.15	0.002	0.08	<0.1	3.5	0.10	<0.02	17	0.4	0.03	3.2
252	Soil	16.6	29.4	0.35	227.1	0.038	2	1.13	0.004	0.04	<0.1	4.0	0.07	<0.02	25	<0.1	<0.02	2.9
253	Soil	17.2	23.5	0.27	211.9	0.033	<1	0.87	0.005	0.06	0.2	2.1	0.08	<0.02	16	<0.1	<0.02	3.5
254	Soil	12.3	84.2	2.00	303.1	0.104	1	2.58	0.013	0.31	<0.1	15.1	0.17	<0.02	<5	0.1	<0.02	7.8
255	Soil	16.7	41.8	1.44	217.6	0.088	<1	1.91	0.010	0.08	<0.1	7.0	0.06	<0.02	10	0.2	<0.02	5.2
256	Soil	17.1	57.3	1.21	424.5	0.048	<1	2.11	0.007	0.26	<0.1	12.3	0.17	<0.02	12	0.3	0.03	6.4
257	Soil	11.4	74.1	0.94	296.9	0.066	<1	2.07	0.005	0.14	0.1	5.9	0.12	<0.02	17	<0.1	<0.02	5.2
258	Soil	4.0	155.8	2.25	339.1	0.189	<1	2.64	0.005	0.73	<0.1	8.7	0.22	<0.02	6	<0.1	<0.02	5.6
259	Soil	1.9	59.4	1.22	163.0	0.080	<1	1.21	0.011	0.23	<0.1	3.4	0.05	<0.02	<5	<0.1	<0.02	2.8
260	Soil	2.5	69.3	1.36	211.3	0.108	<1	1.54	0.012	0.32	<0.1	5.7	0.07	<0.02	16	<0.1	<0.02	3.1
261	Soil	8.1	131.3	1.78	259.2	0.083	1	1.93	0.008	0.04	<0.1	7.7	0.06	<0.02	28	<0.1	<0.02	3.9
262	Soil	6.3	152.6	2.02	361.4	0.123	2	2.55	0.005	0.50	<0.1	9.2	0.14	<0.02	<5	<0.1	<0.02	5.2
263	Soil	6.8	163.6	2.20	354.4	0.187	<1	2.86	0.004	0.14	<0.1	8.3	0.14	<0.02	7	<0.1	<0.02	5.7
264	Soil	18.4	37.6	0.70	205.2	0.033	<1	2.25	0.004	0.04	0.1	4.0	0.13	<0.02	21	0.2	0.04	5.3
265	Soil	18.5	44.0	0.78	213.9	0.036	1	2.46	0.005	0.05	<0.1	3.9	0.15	<0.02	29	0.2	0.06	5.6
266	Soil	10.9	65.9	1.02	285.0	0.094	<1	2.09	0.006	0.28	<0.1	5.3	0.14	<0.02	<5	<0.1	<0.02	4.5
267	Soil	37.3	120.5	1.11	354.2	0.046	<1	2.39	0.004	0.06	<0.1	12.4	0.19	<0.02	13	0.4	0.03	5.9
268	Soil	49.4	67.0	0.74	244.8	0.015	<1	2.03	0.003	0.05	<0.1	6.2	0.15	<0.02	47	0.2	0.04	5.0
269	Soil	20.5	95.7	1.13	321.6	0.057	<1	2.29	0.003	0.06	<0.1	6.3	0.11	<0.02	9	<0.1	0.04	5.9
270	Soil	22.1	127.7	1.14	352.5	0.110	<1	2.39	0.008	0.04	<0.1	12.9	0.09	<0.02	56	0.2	0.03	6.7
271	Soil	29.0	58.2	0.62	326.4	0.066	1	2.22	0.006	0.05	<0.1	7.9	0.13	<0.02	49	0.4	<0.02	5.5
272	Soil	21.7	51.7	0.67	454.8	0.068	<1	1.71	0.012	0.05	<0.1	7.3	0.08	<0.02	38	<0.1	<0.02	4.6
273	Soil	20.4	62.8	0.71	331.3	0.075	<1	2.07	0.007	0.04	<0.1	6.3	0.11	<0.02	21	0.2	0.02	5.9
274	Soil	12.9	38.8	0.48	222.7	0.054	<1	1.56	0.006	0.04	0.1	3.8	0.08	<0.02	17	<0.1	0.02	4.7
275	Soil	19.8	47.4	0.68	380.0	0.089	<1	1.64	0.009	0.10	<0.1	6.8	0.12	<0.02	26	<0.1	<0.02	5.1
276	Soil	15.2	38.0	0.53	288.1	0.069	1	1.35	0.007	0.03	<0.1	4.2	0.06	<0.02	24	<0.1	<0.02	3.8



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
277	Soil	0.64	26.85	8.45	55.7	62	20.0	7.8	279	2.13	7.7	1.6	7.0	5.9	16.5	0.08	0.45	0.16	34	0.19	0.034
278	Soil	0.79	26.56	10.27	64.5	112	21.4	9.6	359	2.41	7.9	1.1	7.3	5.6	21.6	0.10	0.52	0.19	45	0.27	0.042
279	Soil	0.96	26.93	11.19	59.3	99	25.0	10.6	367	2.89	8.1	0.8	3.4	4.6	16.3	0.08	0.48	0.16	57	0.20	0.030
280	Soil	0.69	33.37	9.21	58.9	44	28.2	9.3	305	2.57	7.5	1.3	1.8	5.1	16.9	0.08	0.46	0.15	50	0.22	0.039
281	Soil	0.85	39.49	11.11	59.0	215	29.5	10.3	389	2.85	7.4	1.1	1.5	4.0	15.5	0.10	0.40	0.19	55	0.18	0.039
282	Soil	0.88	23.63	12.25	57.4	125	25.8	8.4	255	2.79	8.5	0.7	4.1	4.1	11.8	0.07	0.46	0.16	54	0.14	0.025
283	Soil	0.68	26.72	9.24	56.0	128	26.4	8.9	330	2.57	8.0	1.2	2.0	3.7	13.7	0.09	0.38	0.18	51	0.16	0.033
284	Soil	0.98	44.87	9.32	61.3	150	28.9	7.7	338	2.78	8.5	0.8	4.5	4.6	10.7	0.10	0.45	0.19	51	0.13	0.039
285	Soil	1.53	63.70	9.44	81.2	208	33.3	8.4	745	3.68	8.6	1.0	244.0	5.7	8.0	0.10	0.31	0.29	71	0.10	0.117
286	Soil	0.77	47.02	16.00	99.1	158	49.6	16.4	525	3.56	6.9	1.4	3.2	4.1	14.9	0.21	0.38	0.14	75	0.20	0.053
287	Soil	0.73	21.37	10.92	42.2	139	26.2	8.7	227	2.48	7.8	0.6	1.3	2.5	14.2	0.04	0.35	0.15	53	0.18	0.034
288	Soil	0.63	26.09	8.25	46.0	53	31.8	10.0	156	2.56	7.7	0.5	1.1	3.0	12.4	0.04	0.37	0.13	53	0.20	0.047
289	Soil	0.80	65.94	8.51	66.0	58	38.9	11.2	255	2.76	7.3	0.8	4.3	5.6	9.8	0.03	0.46	0.16	51	0.10	0.024
290	Soil	0.79	28.05	10.17	50.4	61	25.3	9.6	238	2.59	11.5	1.1	2.2	5.3	14.2	0.03	0.64	0.17	48	0.16	0.021
291	Soil	0.86	38.29	9.39	57.8	24	34.3	10.7	337	2.56	10.5	0.7	3.8	4.7	21.7	0.06	0.70	0.17	53	0.31	0.060
292	Soil	0.13	60.01	0.49	25.4	9	52.4	14.5	447	1.72	0.8	0.3	0.7	0.4	13.9	0.02	0.08	<0.02	49	0.53	0.101
293	Soil	0.54	33.86	7.74	46.1	60	32.0	9.9	404	2.28	10.3	0.6	3.7	3.8	23.7	0.10	0.56	0.14	41	0.43	0.071
294	Soil	0.27	38.33	6.65	42.5	34	52.7	14.9	346	2.76	6.8	1.0	1.5	3.2	20.2	0.03	0.33	0.11	61	0.53	0.053
295	Soil	0.34	42.09	6.16	40.8	20	48.0	14.3	208	2.39	5.7	0.5	1.2	3.0	15.2	0.02	0.33	0.09	53	0.36	0.021
296	Soil	0.07	57.61	1.32	32.7	10	94.5	20.5	458	2.33	0.9	0.3	1.9	0.6	14.4	0.02	0.08	0.09	61	0.60	0.092
297	Soil	0.21	78.77	1.96	52.1	22	101.0	29.3	602	3.60	3.7	0.5	1.2	1.7	19.1	0.03	0.21	0.03	119	0.64	0.037
298	Soil	0.12	88.42	0.53	38.4	11	59.7	22.1	632	2.88	1.7	0.1	0.7	0.8	12.2	0.03	0.09	<0.02	74	0.62	0.113
299	Soil	0.06	74.61	0.61	39.2	12	69.2	21.5	387	2.16	1.4	0.2	1.4	0.7	14.4	0.02	0.09	<0.02	54	0.58	0.140
300	Soil	0.05	104.21	0.41	35.8	17	78.2	24.5	837	2.46	0.9	0.1	1.3	0.4	11.2	0.05	0.10	<0.02	64	0.53	0.102
301	Soil	0.06	72.42	0.59	56.5	11	95.6	32.1	689	3.38	1.3	0.1	0.3	0.7	14.0	0.03	0.05	<0.02	92	0.72	0.192
302	Soil	0.05	112.94	0.45	29.2	10	28.3	17.8	202	2.01	1.6	0.1	0.2	0.3	15.3	0.01	0.05	<0.02	50	0.53	0.081
303	Soil	0.13	81.91	1.26	37.9	8	72.8	22.9	634	2.58	2.8	0.2	<0.2	0.7	12.6	0.02	0.10	<0.02	66	0.55	0.114
304	Soil	0.55	42.59	6.77	59.9	182	44.9	16.7	678	3.21	6.1	0.6	<0.2	2.8	22.8	0.07	0.29	0.11	70	0.41	0.069
305	Soil	0.64	38.69	7.85	62.9	110	43.4	17.8	399	3.46	7.1	0.6	<0.2	2.7	17.6	0.06	0.34	0.13	75	0.28	0.050
306	Soil	0.80	46.87	10.00	67.6	110	44.2	17.3	620	3.05	7.1	1.0	0.7	3.9	18.6	0.08	0.41	0.15	63	0.29	0.059



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
277	Soil	14.9	24.6	0.35	333.4	0.043	1	1.01	0.007	0.07	0.1	4.3	0.06	<0.02	27	<0.1	<0.02	2.8
278	Soil	18.0	31.2	0.46	336.7	0.059	1	1.30	0.010	0.06	0.1	4.2	0.07	<0.02	33	0.1	<0.02	3.8
279	Soil	15.2	42.6	0.57	267.8	0.061	1	1.62	0.006	0.04	0.1	4.4	0.08	<0.02	18	<0.1	0.03	4.6
280	Soil	18.0	39.9	0.56	269.4	0.064	<1	1.35	0.007	0.04	0.1	5.4	0.07	<0.02	22	0.1	<0.02	3.8
281	Soil	18.2	39.8	0.52	332.0	0.057	<1	1.53	0.006	0.06	<0.1	4.6	0.10	<0.02	22	<0.1	<0.02	4.6
282	Soil	13.0	42.9	0.56	214.9	0.051	<1	1.66	0.006	0.04	<0.1	3.3	0.09	<0.02	15	<0.1	<0.02	4.6
283	Soil	16.6	41.5	0.56	297.3	0.051	2	1.47	0.006	0.04	0.1	4.0	0.08	<0.02	26	0.2	0.03	4.1
284	Soil	14.2	34.9	0.54	273.0	0.041	<1	1.55	0.004	0.06	0.1	3.1	0.10	<0.02	22	0.4	0.04	4.7
285	Soil	21.2	40.6	0.69	288.7	0.081	2	1.75	0.003	0.12	<0.1	2.9	0.15	<0.02	19	0.2	0.07	5.8
286	Soil	19.0	95.8	0.90	390.8	0.080	<1	2.19	0.004	0.07	<0.1	7.2	0.11	<0.02	30	0.5	0.02	5.7
287	Soil	13.1	45.3	0.50	240.3	0.051	<1	1.39	0.006	0.04	0.1	3.1	0.08	<0.02	15	0.1	0.04	4.4
288	Soil	10.0	53.6	0.61	187.0	0.053	<1	1.54	0.006	0.04	0.2	3.6	0.08	<0.02	14	<0.1	0.04	4.2
289	Soil	14.8	39.8	0.63	252.6	0.046	<1	1.81	0.005	0.05	0.1	3.1	0.11	<0.02	25	0.2	0.04	4.9
290	Soil	17.9	35.8	0.50	262.0	0.050	<1	1.43	0.007	0.05	0.2	5.2	0.06	<0.02	27	0.2	0.04	3.9
291	Soil	16.1	40.9	0.60	344.9	0.062	1	1.30	0.010	0.05	0.3	5.7	0.07	<0.02	52	0.1	0.04	3.6
292	Soil	1.5	89.9	1.03	201.5	0.091	<1	1.16	0.005	0.19	<0.1	4.8	0.05	<0.02	9	<0.1	0.03	2.0
293	Soil	12.7	33.5	0.56	277.0	0.048	<1	1.09	0.013	0.06	0.2	4.1	0.06	<0.02	34	0.2	0.05	2.8
294	Soil	11.3	86.5	1.11	323.6	0.066	<1	1.87	0.007	0.05	<0.1	6.6	0.07	<0.02	20	0.2	0.04	4.2
295	Soil	11.7	79.0	0.97	206.2	0.079	<1	1.66	0.006	0.04	<0.1	5.8	0.05	<0.02	20	<0.1	0.04	3.7
296	Soil	3.3	173.4	1.59	196.8	0.118	<1	1.68	0.005	0.20	<0.1	6.8	0.06	<0.02	15	<0.1	<0.02	2.9
297	Soil	7.4	231.5	2.37	247.4	0.149	<1	2.53	0.004	0.08	<0.1	11.1	0.07	<0.02	16	<0.1	0.03	4.9
298	Soil	3.8	71.3	1.45	196.0	0.110	<1	1.69	0.011	0.39	<0.1	4.8	0.07	<0.02	8	0.1	<0.02	3.6
299	Soil	2.8	100.5	1.39	190.0	0.117	<1	1.46	0.006	0.34	<0.1	5.4	0.07	<0.02	15	<0.1	0.03	2.4
300	Soil	2.2	114.1	1.42	225.2	0.094	<1	1.38	0.006	0.40	<0.1	6.1	0.05	<0.02	8	<0.1	<0.02	2.3
301	Soil	3.2	154.4	2.50	295.8	0.181	<1	2.53	0.009	0.96	<0.1	5.9	0.12	<0.02	6	<0.1	<0.02	4.3
302	Soil	1.4	25.2	1.23	137.1	0.101	<1	1.35	0.013	0.19	<0.1	4.4	0.05	<0.02	7	0.1	<0.02	2.9
303	Soil	4.2	127.8	1.74	218.3	0.125	<1	1.76	0.006	0.38	<0.1	7.6	0.11	<0.02	5	0.2	<0.02	3.3
304	Soil	10.8	76.8	0.96	321.3	0.072	<1	1.87	0.009	0.08	<0.1	7.0	0.08	<0.02	18	0.3	<0.02	5.1
305	Soil	9.7	77.3	1.00	245.7	0.069	<1	2.02	0.009	0.07	<0.1	6.3	0.09	<0.02	10	0.2	0.02	5.5
306	Soil	13.1	68.3	0.81	333.8	0.067	<1	1.76	0.007	0.10	0.1	5.6	0.09	<0.02	15	0.2	0.03	4.5



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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
307	Soil	0.58	41.51	6.89	58.3	73	41.7	16.2	400	3.20	6.8	0.9	0.7	3.6	20.3	0.05	0.38	0.13	69	0.41	0.073
308	Soil	0.67	36.45	8.13	58.4	54	44.9	14.3	385	2.80	8.2	0.8	2.8	3.8	23.2	0.04	0.52	0.15	60	0.40	0.047
309	Soil	0.51	47.23	5.60	52.9	43	60.7	21.5	415	3.40	7.1	0.4	0.5	2.9	16.6	0.04	0.52	0.09	79	0.39	0.071
310	Soil	0.49	35.61	6.64	44.2	56	37.9	13.2	209	2.67	6.7	0.6	2.5	3.4	16.7	0.03	0.36	0.11	56	0.30	0.035
311	Soil	0.54	86.63	7.08	78.0	58	78.7	21.9	363	4.60	7.0	0.4	1.0	2.6	14.6	0.06	0.47	0.08	117	0.33	0.039
312	Soil	0.43	48.12	3.69	79.1	25	72.0	19.8	291	3.45	3.2	0.4	<0.2	2.8	15.7	0.06	0.24	0.06	64	0.40	0.091
313	Soil	0.70	93.97	5.66	84.9	53	79.8	24.6	486	3.77	5.7	0.9	4.2	5.6	21.1	0.06	0.39	0.10	69	0.47	0.122
314	Soil	0.95	81.54	15.35	93.8	34	121.2	30.7	721	5.80	4.0	0.6	<0.2	6.1	14.3	0.06	0.31	0.25	117	0.35	0.120
315	Soil	0.83	51.51	8.01	73.3	80	42.4	13.1	290	2.97	8.7	0.6	1.8	5.4	12.6	0.07	0.49	0.21	55	0.21	0.026
316	Soil	0.45	46.38	5.24	46.2	28	50.5	15.2	431	2.66	5.8	0.7	3.2	2.9	23.8	0.05	0.45	0.10	63	0.57	0.087
317	Soil	0.44	49.53	5.05	45.5	20	58.2	17.6	440	2.74	5.3	0.6	3.2	2.7	24.7	0.03	0.46	0.08	65	0.48	0.069
318	Soil	0.15	76.79	1.80	25.5	11	44.0	15.6	222	2.05	1.2	0.1	<0.2	0.7	17.2	0.03	0.07	<0.02	58	0.71	0.188
319	Soil	0.26	80.17	2.77	62.0	9	65.2	21.6	485	2.84	3.7	0.5	2.0	1.4	16.3	0.04	0.24	0.03	68	0.45	0.074
320	Soil	0.94	32.71	11.72	64.4	147	37.9	9.9	543	2.20	7.1	3.2	2.5	4.2	43.2	0.40	0.48	0.18	44	0.62	0.056
321	Soil	2.17	33.07	8.45	56.9	212	47.6	36.0	2665	4.33	36.1	2.4	3.2	1.8	70.2	0.80	0.69	0.16	37	2.53	0.072
322	Soil	0.93	106.90	11.33	105.4	101	68.8	26.2	1255	5.24	89.1	1.0	5.6	3.6	21.3	0.21	0.64	0.13	105	0.64	0.102
323	Soil	0.69	38.20	9.77	62.3	153	34.3	11.6	429	2.80	38.1	1.6	4.9	4.1	28.1	0.16	0.81	0.21	55	0.72	0.061
324	Soil	0.51	51.77	20.74	158.1	149	45.6	28.4	971	5.53	230.1	0.6	6.6	14.2	21.6	0.32	0.42	0.17	77	0.76	0.120
325	Soil	0.63	53.44	11.58	71.0	134	64.8	18.6	812	3.40	74.0	1.5	9.7	6.4	27.8	0.12	1.27	0.18	63	0.77	0.086
326	Soil	0.53	66.32	10.30	75.2	120	100.5	20.2	773	3.89	45.0	0.7	4.9	6.7	27.2	0.12	0.61	0.16	71	0.74	0.108
327	Soil	0.47	41.93	8.63	57.5	137	104.8	15.4	413	2.98	52.0	1.6	6.4	4.1	31.6	0.10	1.08	0.15	58	0.73	0.068
328	Soil	1.03	95.31	12.55	114.8	134	94.9	32.6	1982	5.88	31.4	0.9	3.7	6.0	26.3	0.22	0.57	0.13	148	0.66	0.116
329	Soil	0.87	55.01	12.44	71.2	192	49.1	15.7	644	3.56	46.0	1.3	3.8	4.7	30.7	0.14	1.15	0.19	75	0.66	0.054
330	Soil	1.98	85.70	13.56	103.8	166	106.6	32.9	2155	5.31	19.0	1.1	3.0	8.2	29.8	0.29	0.38	0.14	83	1.45	0.225
331	Soil	1.32	73.83	12.83	106.3	172	157.4	40.6	1592	4.60	22.4	0.6	4.5	7.0	31.3	0.23	0.35	0.15	64	2.44	0.160
332	Soil	1.01	54.25	12.98	74.5	192	50.2	14.3	627	3.35	42.2	1.1	9.7	5.7	26.9	0.12	1.02	0.19	62	0.56	0.064
333	Soil	0.38	73.02	4.51	35.0	47	640.8	74.0	928	4.86	9.0	0.2	<0.2	1.4	8.5	0.09	0.41	0.09	52	0.17	0.013
334	Soil	0.17	79.47	2.16	30.3	55	458.7	39.7	420	1.94	3.0	0.2	3.6	0.5	4.3	0.04	0.18	0.06	58	0.07	0.009
335	Soil	0.07	70.60	3.02	21.5	17	99.9	21.9	293	2.16	0.5	<0.1	<0.2	0.1	8.7	0.04	0.08	0.08	47	0.17	0.008
336	Soil	0.54	269.21	6.55	149.0	108	68.5	23.4	1082	4.12	0.9	0.3	0.5	0.3	2.9	0.09	0.08	0.16	146	0.09	0.011



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
307	Soil	12.8	76.8	0.98	294.7	0.085	<1	1.95	0.007	0.06	0.1	7.1	0.09	<0.02	17	0.2	0.02	5.0
308	Soil	13.5	60.1	0.80	371.4	0.074	<1	1.67	0.009	0.05	0.1	5.4	0.07	<0.02	19	0.2	0.04	4.2
309	Soil	12.7	105.7	1.20	335.2	0.090	<1	2.20	0.007	0.18	<0.1	7.6	0.11	<0.02	15	0.3	0.03	4.9
310	Soil	11.7	60.3	0.81	216.6	0.078	<1	1.63	0.006	0.05	0.1	4.7	0.08	<0.02	23	<0.1	<0.02	3.8
311	Soil	7.6	126.3	1.43	286.7	0.080	<1	2.57	0.007	0.07	<0.1	11.6	0.12	<0.02	13	0.2	0.04	6.6
312	Soil	12.3	84.2	1.21	314.7	0.110	<1	2.13	0.008	0.32	<0.1	6.6	0.18	<0.02	7	0.2	0.03	4.7
313	Soil	22.4	78.1	1.13	386.0	0.093	<1	2.14	0.008	0.24	0.1	9.3	0.15	<0.02	40	0.4	0.03	5.1
314	Soil	13.9	185.1	1.97	338.3	0.141	<1	3.17	0.006	0.61	<0.1	12.0	0.40	<0.02	11	0.5	0.04	7.0
315	Soil	14.7	40.7	0.85	250.4	0.064	1	1.87	0.006	0.08	0.1	3.6	0.14	<0.02	<5	0.2	0.04	5.1
316	Soil	10.5	80.5	1.21	315.0	0.099	<1	1.96	0.012	0.09	0.1	6.1	0.08	<0.02	11	<0.1	0.02	4.7
317	Soil	11.2	98.7	1.39	289.6	0.110	<1	2.00	0.009	0.05	<0.1	6.1	0.07	<0.02	15	0.2	0.03	4.8
318	Soil	2.1	72.8	1.32	133.7	0.104	<1	1.53	0.012	0.49	<0.1	2.9	0.22	<0.02	<5	<0.1	<0.02	3.2
319	Soil	6.0	119.2	1.52	194.1	0.143	<1	1.88	0.009	0.24	<0.1	7.8	0.15	<0.02	8	0.1	0.02	4.4
320	Soil	17.5	48.1	0.64	346.9	0.041	1	1.47	0.010	0.05	0.1	4.5	0.08	0.07	31	1.0	0.04	3.9
321	Soil	13.2	35.5	0.45	677.5	0.024	3	1.14	0.010	0.04	0.1	3.2	0.07	0.09	42	1.6	0.04	3.1
322	Soil	12.9	115.2	1.82	434.7	0.056	<1	2.71	0.006	0.28	<0.1	12.4	0.18	<0.02	10	0.5	0.08	7.4
323	Soil	18.4	47.5	0.68	405.0	0.051	<1	1.68	0.014	0.11	0.1	5.8	0.09	<0.02	20	0.5	0.04	4.7
324	Soil	41.6	71.0	1.99	403.0	0.163	<1	2.85	0.004	0.93	<0.1	9.6	0.82	<0.02	<5	0.2	0.03	9.2
325	Soil	26.8	70.3	0.93	386.9	0.057	<1	2.02	0.013	0.11	0.2	7.8	0.11	<0.02	44	0.3	0.04	5.4
326	Soil	26.3	114.5	1.34	245.4	0.042	<1	2.11	0.008	0.13	<0.1	7.5	0.11	<0.02	21	0.3	0.06	5.7
327	Soil	16.9	107.4	0.94	290.4	0.047	<1	1.73	0.016	0.06	0.2	7.1	0.08	<0.02	25	0.5	0.03	4.9
328	Soil	34.8	134.3	2.15	689.1	0.099	<1	3.10	0.008	0.41	0.1	18.0	0.36	<0.02	22	0.4	0.06	8.9
329	Soil	19.2	76.0	0.94	520.7	0.062	<1	2.13	0.016	0.08	0.2	8.9	0.11	<0.02	31	0.3	0.05	6.0
330	Soil	47.4	107.8	1.68	399.6	0.054	<1	2.52	0.003	0.25	<0.1	9.9	0.18	<0.02	11	0.6	0.04	6.7
331	Soil	30.2	155.9	1.75	344.6	0.014	<1	2.40	0.002	0.16	<0.1	10.3	0.13	<0.02	7	0.3	0.07	5.8
332	Soil	22.3	58.6	0.83	395.6	0.048	<1	1.97	0.012	0.08	0.1	7.1	0.10	<0.02	37	0.4	0.06	5.2
333	Soil	5.0	1546.2	2.60	124.3	0.028	<1	0.81	0.004	0.02	<0.1	6.2	0.05	<0.02	9	0.1	0.08	2.2
334	Soil	2.1	782.8	2.00	60.2	0.014	<1	1.40	0.002	<0.01	<0.1	4.8	0.04	<0.02	6	<0.1	0.12	2.7
335	Soil	<0.5	216.4	2.00	26.4	0.051	<1	1.81	<0.001	<0.01	<0.1	4.6	<0.02	<0.02	<5	<0.1	0.04	3.1
336	Soil	1.2	122.2	2.92	59.1	0.060	<1	2.56	0.001	<0.01	<0.1	20.2	<0.02	<0.02	10	0.6	0.11	6.4



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P			
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%			
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
337	Soil	0.24	200.02	4.84	220.2	82	76.8	19.7	769	3.58	0.5	0.1	<0.2	0.2	2.3	0.13	0.06	0.11	114	0.09	0.010			
338	Soil	0.33	276.94	3.67	115.0	61	86.4	21.1	720	3.79	0.3	0.3	0.7	0.1	5.9	0.08	0.10	0.07	99	0.10	0.008			
339	Soil	0.17	251.22	1.66	166.9	43	84.6	21.9	742	3.65	0.4	<0.1	<0.2	0.1	4.8	0.09	0.04	0.02	97	0.14	0.012			
340	Soil	0.33	149.27	9.31	217.2	52	74.4	19.4	537	2.60	0.1	<0.1	<0.2	<0.1	4.6	0.30	0.06	0.07	52	0.12	0.008			
341	Soil	0.27	247.45	4.29	160.5	41	93.5	26.9	857	3.88	0.4	0.1	<0.2	0.1	4.1	0.07	0.05	0.03	100	0.13	0.010			
342	Soil	0.20	190.06	2.45	92.0	28	82.7	15.6	419	2.91	0.7	0.3	<0.2	0.3	5.6	0.06	0.10	0.03	64	0.13	0.004			
343	Soil	0.14	242.95	2.14	54.5	48	72.2	19.1	444	2.73	0.4	0.2	17.8	0.2	6.0	0.06	0.06	<0.02	52	0.15	0.005			
344	Soil	0.37	260.42	6.03	91.0	69	92.8	27.9	1309	4.28	13.4	0.5	7.7	0.5	7.7	0.12	0.20	0.11	132	0.14	0.010			
345	Soil	0.10	96.43	3.15	63.8	22	64.4	18.1	348	2.54	0.4	0.3	<0.2	<0.1	7.3	0.06	0.08	<0.02	53	0.20	0.008			
346	Soil	0.61	77.48	8.30	63.9	64	47.1	13.6	471	2.71	9.5	0.6	4.3	3.7	17.2	0.09	0.47	0.14	69	0.33	0.030			
347	Soil	0.39	136.30	6.27	64.1	20	132.4	25.6	732	4.36	8.5	0.7	5.3	1.2	6.2	0.06	0.41	0.11	129	0.13	0.009			
348	Soil	0.26	155.10	5.60	63.2	103	191.6	31.9	1549	4.30	3.9	0.2	5.4	0.4	8.3	0.22	0.18	0.05	162	0.30	0.013			
349	Soil	0.44	72.36	7.76	128.5	181	491.2	66.3	1608	4.18	64.0	0.3	3.4	0.5	39.2	0.28	0.32	0.07	99	6.00	0.022			
350	Soil	0.28	126.48	6.61	99.6	111	98.1	37.6	1294	4.28	3.2	0.2	2.3	0.4	29.4	0.24	0.16	0.06	173	3.77	0.018			
351	Soil	0.54	47.87	9.13	57.9	162	50.5	13.6	534	2.68	17.7	1.2	2.8	2.5	30.8	0.20	0.90	0.15	56	0.86	0.090			
352	Soil	0.67	47.33	12.01	83.6	162	128.7	23.9	690	3.71	61.2	0.9	4.5	2.7	30.3	0.22	0.81	0.18	73	0.75	0.049			
353	Soil	0.95	114.60	11.30	131.9	323	172.3	48.3	2265	6.47	55.8	0.4	12.0	2.0	13.3	0.42	1.51	0.13	141	0.38	0.042			
354	Soil	1.16	47.78	10.83	76.2	137	41.1	13.1	435	3.21	220.0	2.1	31.9	7.0	19.5	0.08	2.64	0.22	46	0.20	0.049			
355	Soil	1.51	84.61	20.05	76.9	356	26.7	10.2	388	3.92	736.5	2.4	87.5	8.5	43.6	0.07	7.47	0.31	41	0.34	0.086			
356	Soil	1.13	39.74	11.29	63.2	99	28.3	8.6	372	2.65	601.6	2.2	54.8	11.4	25.5	0.11	6.47	0.23	24	0.14	0.031			
357	Soil	0.69	70.84	13.36	88.1	81	51.6	16.1	577	3.51	428.6	1.8	14.7	10.9	23.4	0.14	4.12	0.28	49	0.39	0.076			
358	Soil	0.81	74.17	10.52	65.4	41	49.8	14.8	389	3.61	328.8	1.3	21.5	7.6	19.0	0.07	3.87	0.23	66	0.24	0.022			
359	Soil	0.96	54.38	10.91	66.5	49	28.9	9.9	347	3.13	107.9	1.3	10.4	7.7	24.5	0.06	1.25	0.24	50	0.30	0.050			
360	Soil	0.60	49.54	9.81	89.9	34	15.3	12.8	767	4.16	42.1	1.7	7.4	8.6	52.7	0.06	0.40	0.10	72	0.62	0.208			
361	Soil	1.07	47.93	15.22	70.5	220	43.1	15.3	508	3.11	195.5	1.6	26.2	5.0	32.7	0.20	3.29	0.19	53	0.81	0.071			
362	Soil	0.63	134.51	10.37	88.3	113	63.1	31.8	1327	4.97	62.6	0.9	5.6	4.3	20.7	0.30	0.84	0.09	110	0.76	0.082			
363	Soil	0.90	47.50	22.87	90.9	128	40.9	12.9	445	3.17	167.6	3.2	20.5	9.0	23.3	0.12	2.69	0.25	47	0.51	0.051			
364	Soil	2.02	134.58	16.91	165.9	200	107.9	46.5	3491	7.56	74.3	1.2	12.9	4.9	23.7	0.39	0.97	0.21	105	0.72	0.157			
365	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.	I.S.	I.S.	
366	Soil	1.59	86.24	14.00	133.5	142	73.8	25.0	1667	4.57	95.2	1.4	11.9	8.8	21.1	0.31	1.09	0.20	49	0.59	0.174			



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
337	Soil	0.6	163.5	2.82	33.9	0.050	<1	2.52	0.001	<0.01	<0.1	11.2	<0.02	<0.02	6	0.3	0.10	6.1
338	Soil	0.6	234.3	2.75	81.4	0.082	<1	2.53	0.001	<0.01	<0.1	10.5	<0.02	<0.02	12	0.3	0.12	5.7
339	Soil	<0.5	151.1	2.94	64.2	0.055	<1	2.65	0.001	<0.01	<0.1	10.6	<0.02	<0.02	9	0.2	0.08	6.0
340	Soil	0.7	129.4	1.87	32.7	0.049	<1	1.69	<0.001	<0.01	<0.1	6.1	<0.02	<0.02	6	<0.1	0.12	3.5
341	Soil	<0.5	268.4	3.33	78.9	0.049	<1	2.96	0.001	<0.01	<0.1	14.8	<0.02	<0.02	6	0.1	0.08	6.3
342	Soil	0.8	169.0	2.19	39.1	0.074	<1	2.12	0.001	<0.01	<0.1	7.3	<0.02	<0.02	7	0.2	0.07	4.4
343	Soil	0.6	131.8	2.03	26.3	0.055	<1	1.96	0.001	<0.01	<0.1	5.6	<0.02	<0.02	5	<0.1	0.06	3.3
344	Soil	2.3	168.5	2.72	139.4	0.023	<1	2.82	0.002	0.02	<0.1	21.4	0.03	<0.02	15	0.4	0.11	6.8
345	Soil	<0.5	131.9	2.00	26.8	0.062	<1	1.86	0.002	<0.01	<0.1	6.5	<0.02	<0.02	<5	<0.1	0.04	3.3
346	Soil	11.8	88.8	1.26	203.9	0.048	<1	1.64	0.011	0.03	0.2	8.1	0.04	<0.02	17	0.1	0.04	4.2
347	Soil	5.5	435.2	2.72	141.0	0.038	2	2.83	0.003	0.02	<0.1	26.0	0.03	<0.02	40	0.3	0.08	6.5
348	Soil	1.3	654.9	3.92	287.3	0.041	1	3.22	0.003	0.06	<0.1	30.9	0.27	<0.02	12	<0.1	0.05	7.6
349	Soil	2.0	530.9	3.76	201.8	0.009	1	2.74	0.003	0.02	<0.1	17.6	0.19	<0.02	22	0.2	0.06	5.6
350	Soil	1.6	297.3	3.96	167.5	0.028	1	3.30	0.003	0.02	<0.1	31.3	0.07	<0.02	12	0.1	0.05	7.6
351	Soil	15.5	60.9	0.83	446.3	0.045	2	1.52	0.014	0.05	0.3	5.2	0.08	<0.02	40	0.3	0.05	4.4
352	Soil	12.0	124.3	1.49	374.4	0.033	2	2.21	0.012	0.05	0.1	10.5	0.07	<0.02	38	0.4	0.06	5.5
353	Soil	7.5	293.2	2.60	297.1	0.011	1	3.16	0.003	0.07	<0.1	29.6	0.17	<0.02	31	0.4	0.07	7.8
354	Soil	24.1	41.0	0.54	309.8	0.030	1	1.62	0.006	0.09	0.2	5.6	0.15	0.02	36	0.4	0.06	4.5
355	Soil	30.8	24.3	0.43	411.9	0.025	2	1.51	0.007	0.16	0.1	6.0	0.22	0.10	51	0.6	0.11	4.3
356	Soil	33.6	17.8	0.27	220.4	0.008	<1	1.01	0.004	0.07	<0.1	3.8	0.11	0.03	33	0.7	0.11	2.8
357	Soil	29.0	51.5	0.80	280.8	0.028	<1	1.63	0.005	0.12	<0.1	7.2	0.15	<0.02	42	0.4	0.08	4.5
358	Soil	29.3	58.8	0.80	347.0	0.038	<1	1.96	0.006	0.10	<0.1	7.8	0.12	<0.02	36	0.3	0.11	5.9
359	Soil	24.1	31.6	0.60	340.8	0.051	1	1.68	0.010	0.11	<0.1	6.2	0.11	<0.02	28	0.4	0.07	5.1
360	Soil	23.1	14.1	0.71	411.3	0.042	<1	1.95	0.004	0.28	<0.1	5.4	0.11	<0.02	13	0.3	0.03	7.2
361	Soil	22.4	62.5	0.74	309.4	0.047	3	1.61	0.010	0.14	0.2	6.4	0.12	<0.02	65	0.2	0.06	4.5
362	Soil	9.9	125.2	1.91	382.2	0.058	<1	2.77	0.006	0.32	<0.1	13.3	0.20	<0.02	20	0.3	0.05	8.1
363	Soil	30.4	45.1	0.58	306.1	0.041	1	1.73	0.008	0.12	0.1	6.3	0.11	<0.02	47	0.5	0.04	4.6
364	Soil	21.8	111.5	1.39	776.6	0.010	1	2.88	0.004	0.19	<0.1	22.1	0.19	<0.02	17	0.4	0.09	8.2
365	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.
366	Soil	29.5	49.4	0.72	437.6	0.027	1	1.56	0.004	0.22	0.1	8.5	0.20	<0.02	28	0.5	0.06	4.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
367	Soil	1.91	111.75	11.15	117.8	129	101.7	29.9	1655	4.72	183.7	1.4	18.5	9.2	19.7	0.17	1.81	0.21	39	0.65	0.212
368	Soil	1.61	102.64	15.94	117.8	170	108.4	31.5	1512	5.14	422.5	1.2	21.6	9.2	23.0	0.15	2.54	0.20	55	0.71	0.233
369	Soil	2.05	86.64	8.08	73.9	35	62.9	21.5	809	3.08	81.3	1.1	9.8	9.2	13.2	0.10	0.67	0.20	36	0.42	0.145
370	Soil	0.68	109.86	11.72	113.1	129	129.2	36.9	1630	5.90	169.7	0.6	17.4	4.4	18.8	0.19	1.66	0.11	115	0.70	0.113
371	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.
372	Soil	0.13	37.18	1.86	16.5	38	739.8	53.4	294	1.39	24.2	0.2	2.8	0.4	29.3	0.06	0.21	0.18	20	1.58	0.008
373	Soil	0.22	26.06	7.90	105.2	65	82.0	38.0	1136	7.82	48.9	0.8	3.7	1.3	21.9	0.10	0.31	0.12	244	0.58	0.084
374	Soil	0.71	115.00	12.87	79.0	68	74.6	13.9	1131	3.46	78.2	1.0	9.2	9.4	13.5	0.08	1.02	0.41	59	0.27	0.047
375	Soil	0.68	140.34	17.10	84.5	69	83.1	20.1	1738	3.92	43.2	1.3	19.0	9.0	16.7	0.09	0.84	0.33	76	0.32	0.093
376	Soil	2.18	103.15	19.79	115.3	233	180.6	51.9	2374	5.34	30.7	0.7	7.6	5.9	20.8	0.55	0.54	0.17	127	0.72	0.227
377	Soil	0.61	143.19	8.11	68.6	93	526.9	59.7	1415	4.60	20.9	0.4	7.9	1.6	11.9	0.16	0.54	0.10	81	0.24	0.017
378	Soil	0.31	133.32	1.66	39.7	23	38.8	18.4	412	3.25	2.1	<0.1	0.3	0.2	3.0	0.02	0.10	<0.02	90	0.09	0.013
379	Soil	0.13	50.93	1.27	24.7	11	83.5	14.7	226	1.89	2.1	0.1	1.1	0.3	3.5	<0.01	0.09	<0.02	35	0.08	0.004
380	Soil	0.85	296.41	2.92	63.2	132	42.3	9.0	630	4.04	2.1	1.5	18.8	0.7	10.3	0.04	0.18	0.11	121	0.11	0.013
381	Soil	0.29	161.66	1.35	76.5	35	66.7	15.9	523	2.96	2.3	0.3	2.4	0.7	5.5	0.03	0.11	0.03	88	0.11	0.007
382	Soil	0.14	19.40	2.09	23.4	26	71.6	15.3	238	1.98	0.9	0.1	0.3	0.4	5.0	0.02	0.08	0.03	41	0.11	0.007
383	Soil	0.39	465.98	3.86	220.1	80	58.2	28.0	1006	5.20	4.4	0.3	2.5	0.3	3.4	0.13	0.16	0.11	180	0.13	0.022
384	Soil	0.56	147.18	5.25	97.2	69	72.1	25.2	825	5.39	8.6	0.3	1.1	1.4	7.5	0.06	0.26	0.10	149	0.09	0.013
385	Soil	0.44	400.46	9.78	111.8	54	131.6	28.8	1227	5.46	3.4	0.4	6.7	0.6	7.9	0.16	0.20	0.24	196	0.18	0.022
386	Soil	0.28	85.18	3.80	57.0	15	36.8	16.2	757	3.19	6.3	0.5	<0.2	2.7	19.0	0.05	0.10	0.02	80	0.52	0.169
387	Soil	0.50	156.65	11.58	71.8	60	77.5	29.5	2565	4.44	28.2	0.6	1.4	10.0	17.7	0.25	0.31	0.15	70	2.07	0.120
388	Soil	0.21	25.73	12.19	67.6	39	174.7	33.9	1217	4.59	18.2	0.2	<0.2	3.1	41.8	0.20	0.10	0.08	119	6.60	0.180
389	Soil	0.14	112.02	9.11	65.6	113	67.6	26.6	989	4.20	7.3	0.4	0.3	5.2	21.6	0.18	0.15	0.04	129	0.75	0.192
390	Soil	0.44	37.30	9.63	55.8	159	41.7	12.0	483	3.07	29.2	0.9	1.9	4.4	26.4	0.11	0.75	0.16	60	0.65	0.085
391	Soil	0.43	92.94	10.90	83.0	53	57.8	30.2	1366	5.63	68.4	1.0	5.3	3.8	28.8	0.12	0.81	0.12	155	0.69	0.121
392	Soil	0.51	81.07	9.53	88.4	33	74.0	28.2	1234	4.99	76.0	1.1	4.7	4.5	25.2	0.19	0.83	0.13	122	0.46	0.120
393	Soil	1.14	66.92	9.38	100.4	70	51.4	16.9	835	4.50	109.6	1.0	6.0	5.9	33.8	0.13	1.48	0.19	86	0.50	0.159
394	Soil	1.07	73.07	17.03	87.6	219	15.0	17.0	2076	3.80	678.5	2.1	111.9	7.9	61.2	0.08	6.46	0.16	42	0.63	0.261
395	Soil	1.09	82.44	14.04	89.8	163	30.4	12.1	781	3.80	284.2	2.0	38.8	14.1	51.2	0.09	2.39	0.43	35	0.30	0.088
396	Soil	0.97	112.16	16.47	93.4	65	34.4	13.6	2351	4.07	108.4	2.0	20.5	10.4	31.1	0.08	0.97	0.66	48	0.34	0.116



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
367	Soil	35.9	49.9	0.65	460.5	0.030	1	1.54	0.003	0.22	<0.1	7.5	0.20	<0.02	36	0.6	0.11	4.1
368	Soil	38.7	70.9	0.72	476.6	0.035	1	2.04	0.004	0.30	<0.1	10.9	0.25	<0.02	60	0.5	0.12	5.6
369	Soil	17.2	38.2	0.71	217.3	0.052	<1	1.44	0.002	0.30	<0.1	4.2	0.20	<0.02	9	0.4	0.12	3.9
370	Soil	17.4	148.9	1.76	368.7	0.015	2	2.97	0.004	0.12	<0.1	19.3	0.16	<0.02	28	0.3	0.11	7.2
371	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.
372	Soil	1.5	478.4	1.74	45.5	0.008	<1	0.54	0.001	0.01	<0.1	5.6	0.06	<0.02	13	<0.1	0.08	1.2
373	Soil	8.4	189.0	3.78	349.5	0.045	1	4.52	0.004	0.10	<0.1	27.6	0.09	<0.02	15	<0.1	0.02	14.3
374	Soil	20.9	58.1	0.80	389.1	0.031	1	1.90	0.004	0.10	<0.1	5.0	0.15	<0.02	12	0.5	0.20	4.9
375	Soil	38.3	67.1	1.27	508.7	0.037	1	2.12	0.003	0.14	<0.1	9.2	0.15	<0.02	31	0.5	0.25	6.6
376	Soil	34.9	258.3	2.04	418.9	0.038	<1	2.75	0.002	0.19	<0.1	16.4	0.17	<0.02	19	0.3	0.09	7.9
377	Soil	5.9	562.5	2.34	159.5	0.040	<1	1.96	0.003	0.03	<0.1	11.4	0.09	<0.02	17	0.2	0.08	4.8
378	Soil	<0.5	64.3	1.86	45.7	0.063	<1	2.14	0.004	0.01	<0.1	6.3	0.03	<0.02	<5	<0.1	0.04	5.7
379	Soil	0.9	213.1	1.58	23.5	0.033	<1	1.51	0.002	<0.01	<0.1	4.6	<0.02	<0.02	7	<0.1	0.03	2.8
380	Soil	2.4	96.5	2.86	53.6	0.085	<1	2.74	0.002	0.01	<0.1	17.1	<0.02	<0.02	19	0.7	0.04	6.4
381	Soil	3.3	135.7	2.31	54.2	0.045	<1	2.23	0.002	<0.01	<0.1	11.9	0.02	<0.02	16	0.2	0.04	4.9
382	Soil	1.6	229.0	1.66	35.2	0.042	<1	1.69	0.002	<0.01	<0.1	3.8	<0.02	<0.02	5	<0.1	0.03	2.8
383	Soil	1.3	77.0	3.57	77.5	0.023	<1	3.65	0.002	<0.01	<0.1	26.5	0.02	<0.02	20	0.3	0.15	9.2
384	Soil	2.7	134.8	3.04	137.6	0.022	<1	3.68	0.003	0.02	<0.1	19.3	0.04	<0.02	13	0.1	0.05	7.8
385	Soil	4.3	284.0	4.39	145.8	0.037	<1	4.30	0.002	0.01	<0.1	38.1	0.07	<0.02	19	<0.1	0.13	9.2
386	Soil	6.1	44.7	1.07	326.8	0.078	<1	1.71	0.004	0.38	<0.1	4.8	0.20	<0.02	<5	<0.1	0.05	4.6
387	Soil	27.6	38.4	0.59	571.3	0.002	<1	1.14	0.002	0.14	<0.1	9.8	0.14	<0.02	11	0.3	0.03	2.8
388	Soil	20.3	230.9	2.25	470.5	0.055	<1	3.01	0.003	0.37	<0.1	17.9	0.23	<0.02	<5	<0.1	0.02	7.3
389	Soil	15.5	98.9	1.84	374.1	0.067	<1	2.44	0.005	0.38	<0.1	19.0	0.20	<0.02	13	<0.1	0.03	7.2
390	Soil	18.6	48.7	0.77	362.1	0.035	2	1.72	0.011	0.08	0.1	7.2	0.07	<0.02	31	0.1	0.04	4.2
391	Soil	13.7	93.0	1.54	480.6	0.027	1	3.03	0.007	0.18	<0.1	17.3	0.17	<0.02	41	0.1	0.05	9.5
392	Soil	16.0	99.8	1.45	415.5	0.034	<1	2.55	0.007	0.19	<0.1	16.5	0.15	<0.02	31	0.2	0.04	7.7
393	Soil	24.6	53.0	1.11	401.0	0.040	<1	2.33	0.007	0.16	<0.1	8.0	0.14	<0.02	14	0.5	0.10	6.0
394	Soil	26.7	6.6	0.52	605.5	0.034	<1	1.65	0.004	0.39	<0.1	5.5	0.21	<0.02	33	0.3	0.04	4.6
395	Soil	33.4	13.4	0.35	253.5	0.008	<1	1.33	0.004	0.19	<0.1	4.6	0.21	0.07	23	1.5	0.10	3.1
396	Soil	38.2	13.8	0.58	530.9	0.033	<1	1.76	0.004	0.18	0.3	5.7	0.16	<0.02	46	0.5	0.11	4.0



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
397	Soil	1.18	57.40	5.03	99.4	54	40.7	10.4	560	3.15	626.2	2.3	37.7	13.7	16.0	0.12	5.59	0.38	21	0.21	0.062	
398	Soil	1.02	28.70	6.97	82.2	46	39.9	10.7	488	2.36	459.6	1.9	22.0	11.0	11.7	0.15	4.33	0.13	19	0.24	0.090	
399	Soil	0.42	28.15	7.92	64.6	28	29.0	5.5	188	2.52	208.5	1.6	6.3	10.8	28.7	0.13	1.32	0.11	18	0.27	0.080	
400	Soil	0.53	103.99	13.85	87.4	86	52.1	17.7	747	3.97	245.4	1.3	7.5	11.9	34.8	0.12	0.64	0.18	86	0.60	0.201	
401	Soil	0.39	84.01	6.93	49.7	50	25.4	9.0	510	2.04	61.6	0.7	5.8	9.5	19.3	0.04	0.57	0.12	35	0.22	0.076	
402	Soil	0.87	39.55	10.08	69.3	236	45.8	16.9	494	3.21	142.1	1.0	8.7	6.1	32.9	0.13	2.13	0.16	66	0.61	0.060	
403	Soil	1.64	49.59	39.27	104.1	254	42.1	18.8	2629	1.95	285.4	2.2	52.9	29.0	30.6	1.51	2.82	0.31	12	0.50	0.188	
404	Soil	0.95	32.41	19.51	216.7	420	24.6	6.7	574	2.17	457.1	1.1	93.0	26.9	30.3	1.23	5.04	0.21	17	0.50	0.148	
405	Soil	0.39	37.24	6.81	58.4	119	41.1	13.5	367	2.73	27.2	1.1	6.9	3.1	41.0	0.16	0.78	0.13	59	0.92	0.095	
406	Soil	0.83	60.11	11.07	70.9	241	54.3	17.4	527	3.37	177.0	0.9	26.3	4.6	28.7	0.14	3.06	0.18	65	0.73	0.058	
407	Soil	0.89	85.90	9.40	72.4	80	78.1	26.1	1338	4.04	339.2	0.9	25.6	4.9	20.2	0.16	5.91	0.14	76	0.49	0.049	
408	Soil	1.58	69.54	13.22	95.0	454	53.3	16.2	725	3.28	467.7	1.1	71.4	8.5	37.7	0.22	9.40	0.30	43	0.34	0.045	
409	Soil	1.46	65.84	17.22	34.6	661	21.8	4.1	133	2.34	760.0	1.3	62.2	12.5	47.2	0.10	8.88	0.39	21	0.17	0.037	
410	Soil	0.42	45.12	6.94	54.9	205	49.3	13.5	497	2.90	16.7	1.0	4.4	3.5	32.6	0.14	0.70	0.14	62	0.87	0.063	
411	Soil	0.43	96.93	5.30	80.2	191	97.3	32.8	1299	4.19	139.1	0.5	26.0	1.7	23.3	0.22	2.01	0.08	69	0.56	0.111	
412	Soil	0.11	98.73	0.85	47.0	30	79.1	22.5	703	3.15	10.2	<0.1	6.7	0.6	16.9	0.05	0.29	<0.02	75	0.70	0.146	
413	Soil	0.09	110.64	1.05	49.3	98	78.5	28.9	1149	3.60	24.9	<0.1	17.8	0.6	21.6	0.10	0.27	<0.02	92	1.02	0.127	
414	Soil	0.28	104.71	5.92	65.6	204	69.3	28.9	2384	5.03	64.2	0.3	36.1	2.1	27.3	0.17	1.05	0.11	117	1.77	0.115	
415	Soil	0.05	98.96	0.48	53.5	57	97.6	28.4	450	2.88	6.0	<0.1	7.1	0.1	16.4	0.04	0.10	<0.02	66	0.87	0.106	
416	Soil	0.26	38.50	12.17	87.9	292	103.9	40.6	2744	5.43	231.6	0.4	24.0	4.1	18.2	0.29	2.70	0.18	132	0.82	0.243	
417	Soil	0.24	71.73	4.34	68.4	56	58.2	13.1	796	3.31	31.5	0.7	10.6	15.5	18.1	0.08	0.49	0.07	55	0.67	0.277	
418	Soil	0.46	79.20	9.19	76.0	195	88.4	25.5	1183	4.70	250.9	0.8	48.3	5.2	24.9	0.14	2.35	0.13	85	0.71	0.214	
419	Soil	0.86	41.47	15.36	76.9	215	48.4	16.4	500	3.70	293.7	0.7	4.3	5.5	26.4	0.09	4.19	0.23	64	0.18	0.089	
420	Soil	0.92	79.73	8.41	89.5	192	31.7	15.5	657	3.46	337.3	1.5	42.3	11.3	42.4	0.11	3.30	0.19	40	0.40	0.121	
421	Soil	1.23	109.31	17.80	88.7	591	26.9	14.3	1867	3.91	855.5	1.7	169.5	7.3	110.2	0.08	7.05	0.27	50	0.33	0.099	
422	Soil	0.40	80.14	15.05	110.0	161	107.7	34.2	1874	5.07	43.9	0.5	13.9	5.4	24.6	0.18	0.40	0.24	114	0.51	0.167	
423	Soil	0.20	179.93	11.30	55.4	106	68.6	40.6	1863	5.61	11.4	0.2	2.5	1.1	15.3	0.27	0.12	0.11	234	0.95	0.139	
424	Soil	0.32	52.00	10.42	63.1	59	143.3	32.7	1373	4.53	48.5	0.3	1.9	2.1	24.3	0.18	0.19	0.08	182	0.87	0.187	
425	Soil	1.34	96.67	12.50	84.4	43	102.6	26.8	2335	4.41	11.1	0.9	5.4	9.2	24.8	0.19	0.39	0.14	79	0.70	0.242	
426	Soil	0.73	85.83	45.86	78.4	171	82.5	25.8	5205	3.73	107.0	0.5	1.1	11.4	56.8	1.02	0.69	0.21	74	2.42	0.415	

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



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1
397	Soil	39.1	13.7	0.31	257.8	0.003	<1	1.16	0.003	0.11	<0.1	4.6	0.20	<0.02	38	0.5	0.11	2.8
398	Soil	30.6	14.7	0.30	113.0	0.004	<1	1.10	0.002	0.10	<0.1	4.2	0.07	<0.02	14	0.5	0.05	2.4
399	Soil	33.4	14.8	0.35	98.5	0.001	<1	1.21	0.003	0.11	<0.1	2.8	0.11	<0.02	12	0.3	<0.02	2.7
400	Soil	44.5	55.2	0.98	176.5	0.041	<1	2.16	0.006	0.29	<0.1	10.7	0.14	<0.02	20	0.3	0.10	6.6
401	Soil	30.4	13.8	0.33	186.7	0.033	<1	1.10	0.003	0.23	<0.1	4.2	0.08	<0.02	9	0.2	0.11	3.4
402	Soil	22.3	68.2	0.89	398.5	0.057	2	1.90	0.011	0.11	0.2	6.5	0.11	<0.02	27	0.4	0.04	5.4
403	Soil	87.7	9.2	0.10	294.1	0.004	<1	0.70	0.003	0.14	<0.1	2.1	0.16	<0.02	51	0.9	0.03	2.0
404	Soil	76.1	18.4	0.23	193.1	0.010	<1	0.80	0.005	0.20	<0.1	3.0	0.13	0.02	44	0.5	0.02	2.4
405	Soil	15.5	65.8	0.82	283.7	0.052	2	1.57	0.012	0.10	0.2	5.8	0.08	<0.02	41	0.1	0.04	4.2
406	Soil	18.9	68.1	0.88	334.4	0.071	<1	1.90	0.012	0.15	0.2	7.2	0.12	<0.02	52	0.5	0.05	5.0
407	Soil	19.4	88.0	1.17	281.2	0.063	<1	2.07	0.006	0.15	0.1	10.9	0.18	<0.02	75	0.2	0.05	5.3
408	Soil	22.6	38.8	0.44	281.1	0.031	<1	1.34	0.011	0.11	0.1	4.7	0.20	0.04	61	0.8	0.07	3.4
409	Soil	32.5	18.6	0.10	154.7	0.003	<1	0.52	0.003	0.14	<0.1	4.2	0.29	0.15	71	1.6	0.10	1.7
410	Soil	15.9	71.4	0.85	350.3	0.060	<1	1.68	0.013	0.14	0.2	6.6	0.09	<0.02	31	0.5	0.04	4.3
411	Soil	9.2	101.9	1.00	230.5	0.023	2	1.76	0.005	0.38	<0.1	11.0	0.38	<0.02	494	0.3	<0.02	4.2
412	Soil	4.8	137.3	1.99	237.6	0.100	2	2.01	0.009	0.66	<0.1	8.7	0.16	<0.02	<5	<0.1	<0.02	4.8
413	Soil	5.4	139.4	2.35	272.1	0.118	1	2.33	0.007	0.72	<0.1	10.5	0.17	<0.02	14	<0.1	<0.02	6.3
414	Soil	13.4	107.5	2.02	708.9	0.045	1	2.82	0.005	0.27	0.3	15.5	0.17	<0.02	51	0.2	0.03	7.8
415	Soil	1.3	163.8	1.80	217.6	0.129	1	1.87	0.008	0.58	<0.1	4.4	0.12	<0.02	6	<0.1	<0.02	4.3
416	Soil	29.4	156.2	1.86	312.1	0.045	1	2.64	0.004	0.36	<0.1	20.6	0.29	<0.02	59	0.3	<0.02	6.8
417	Soil	51.5	59.3	1.34	177.0	0.054	1	1.92	0.003	0.24	<0.1	9.6	0.11	<0.02	18	0.2	<0.02	5.8
418	Soil	20.2	109.6	1.50	260.3	0.051	2	2.39	0.008	0.33	<0.1	12.0	0.21	<0.02	57	0.2	<0.02	5.7
419	Soil	24.1	54.3	0.78	241.7	0.028	2	1.84	0.004	0.19	0.1	5.2	0.13	<0.02	7	0.3	0.06	5.5
420	Soil	33.8	18.9	0.49	347.5	0.010	1	1.41	0.003	0.18	<0.1	3.6	0.17	<0.02	24	0.5	0.06	4.3
421	Soil	22.4	13.6	0.44	468.2	0.017	1	1.36	0.005	0.35	<0.1	4.2	0.28	0.19	29	1.3	0.14	4.3
422	Soil	26.7	246.0	2.82	375.1	0.011	<1	3.35	0.003	0.09	<0.1	18.5	0.12	<0.02	10	0.3	0.10	8.4
423	Soil	8.4	104.5	2.42	838.2	0.190	<1	3.27	0.005	1.19	<0.1	27.1	0.48	<0.02	10	0.3	0.04	10.2
424	Soil	13.7	205.0	2.62	737.5	0.129	<1	2.96	0.006	0.72	<0.1	23.2	0.43	<0.02	13	0.1	0.03	8.5
425	Soil	44.2	92.1	1.37	426.0	0.037	<1	2.20	0.003	0.17	<0.1	9.0	0.16	<0.02	28	0.8	0.07	5.8
426	Soil	58.0	57.0	0.86	724.4	0.040	<1	1.26	0.003	0.24	<0.1	6.7	0.19	<0.02	14	0.6	0.07	3.6



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Project: Leota
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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
427	Soil	0.58	86.19	11.81	93.2	104	91.1	33.3	2112	4.30	55.8	0.5	<0.2	7.7	42.2	0.25	0.42	0.09	45	3.43	0.264	
428	Soil	1.56	84.07	12.10	113.2	271	100.7	27.3	2290	4.10	28.9	1.1	2.9	7.8	32.3	0.35	1.03	0.17	18	2.76	0.199	
429	Soil	1.54	81.15	18.52	117.0	250	154.0	32.1	4080	4.66	23.8	0.9	1.6	10.3	29.9	0.47	0.82	0.18	47	0.76	0.268	
430	Soil	0.60	111.34	15.02	128.6	270	97.7	23.9	2605	4.83	617.6	0.6	12.6	8.0	18.7	0.48	12.93	0.23	48	0.38	0.151	
431	Soil	0.90	69.27	6.55	60.5	71	31.9	9.5	292	2.78	84.7	1.5	19.9	8.3	18.8	0.07	1.24	0.32	39	0.17	0.049	
432	Soil	0.76	97.59	24.27	93.4	367	25.2	7.5	607	3.86	874.8	1.8	64.0	8.7	59.3	0.13	7.90	0.38	34	0.26	0.062	
433	Soil	0.55	99.64	10.36	70.8	190	26.6	7.0	334	3.77	614.0	2.0	149.2	9.2	33.6	0.05	8.44	0.33	48	0.27	0.063	
434	Soil	1.93	31.22	6.78	81.1	50	38.8	10.3	418	3.16	229.8	2.1	10.3	11.5	11.0	0.17	1.89	0.24	20	0.13	0.088	
435	Soil	0.87	37.38	6.86	77.3	35	33.7	10.1	420	2.66	304.0	1.5	14.5	14.1	16.1	0.09	2.95	0.32	16	0.22	0.068	
436	Soil	0.49	39.66	10.43	85.3	45	36.2	13.5	408	2.85	120.3	1.4	5.0	13.6	18.4	0.12	0.91	0.28	24	0.28	0.095	
437	Soil	0.55	85.53	14.51	149.6	207	43.7	16.5	639	2.97	103.5	1.2	38.2	11.5	18.7	0.20	0.84	0.39	39	0.30	0.087	
438	Soil	0.32	99.29	5.12	78.1	37	29.7	9.6	668	2.79	53.4	2.1	9.0	8.9	11.5	0.03	1.10	0.21	29	0.12	0.031	
439	Soil	1.10	87.49	19.21	74.9	286	12.2	12.2	1057	4.17	886.6	1.6	203.9	10.9	59.0	0.07	7.33	0.18	49	0.55	0.198	
440	Soil	0.69	92.10	9.40	80.3	175	31.2	11.6	1442	3.32	323.9	1.0	24.9	8.6	27.1	0.07	2.87	0.16	38	0.32	0.094	
440A	Soil	0.45	112.25	12.16	71.2	86	28.3	9.9	1181	3.29	101.1	1.0	19.4	8.5	28.6	0.04	1.14	0.19	52	0.33	0.107	
441	Soil	0.76	58.81	10.05	66.7	52	19.0	10.0	517	3.54	44.9	0.9	10.9	5.6	31.6	0.03	0.67	0.18	61	0.31	0.079	
442	Soil	1.02	47.97	10.16	73.6	53	28.0	10.7	366	3.19	31.4	1.5	8.6	8.4	17.4	0.06	0.79	0.22	48	0.18	0.052	
484	Soil	4.28	73.37	11.81	117.2	522	70.4	23.1	601	3.97	6.4	2.6	2.6	12.1	16.6	0.82	0.19	0.37	54	0.38	0.092	
485	Soil	3.21	46.17	11.48	109.6	604	38.4	10.3	390	2.91	5.0	2.9	2.8	9.1	24.1	0.62	0.34	0.33	37	0.37	0.077	
486	Soil	3.55	55.86	12.91	114.5	963	38.4	15.1	847	3.28	5.0	4.3	14.0	6.0	27.3	0.76	0.36	0.39	38	0.38	0.090	
487	Soil	3.68	54.41	10.33	130.0	412	45.3	15.5	616	4.02	3.2	2.8	1.1	14.0	14.5	0.82	0.18	0.41	30	0.24	0.103	
488	Soil	5.00	42.67	11.32	117.9	422	36.3	13.8	575	3.37	3.8	2.1	1.8	6.3	11.9	0.66	0.22	0.44	35	0.16	0.083	
489	Soil	8.73	41.73	14.91	164.1	737	36.7	17.8	811	2.99	5.4	2.2	1.3	7.0	18.7	0.90	0.30	0.34	40	0.24	0.118	
490	Soil	11.26	57.11	11.32	186.9	451	49.2	15.1	551	3.43	3.1	2.2	0.5	10.1	15.6	1.50	0.21	0.45	33	0.23	0.122	
491	Soil	11.54	68.77	14.13	206.2	869	68.5	23.6	1188	3.81	3.3	3.0	1.0	13.1	17.6	3.24	0.22	0.56	32	0.24	0.127	
492	Soil	4.12	47.67	11.63	106.7	568	49.1	14.7	624	3.12	5.7	4.5	3.6	5.1	26.1	1.93	0.41	0.32	40	0.23	0.065	
493	Soil	2.32	37.27	11.97	90.2	678	38.9	16.3	613	2.62	5.2	3.2	1.7	2.4	26.5	1.23	0.43	0.30	38	0.25	0.079	
494	Soil	2.94	34.64	11.54	99.4	343	32.0	19.0	572	2.92	5.2	2.6	0.7	6.1	24.0	0.60	0.35	0.31	39	0.25	0.073	
495	Soil	2.39	29.75	11.37	82.4	317	24.3	9.3	225	2.43	6.5	2.4	5.1	4.6	24.4	0.46	0.36	0.31	42	0.22	0.058	
497	Soil	2.81	34.10	10.21	88.4	134	31.6	11.2	362	3.18	5.0	2.2	1.1	10.0	20.3	0.64	0.34	0.27	37	0.20	0.058	

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



Bureau Veritas Commodities Canada Ltd.

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Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.01	0.02	5	0.1	0.02	0.02	0.1
427	Soil	37.2	59.2	0.57	401.5	0.015	2	1.20	0.002	0.19	<0.1	5.9	0.12	<0.02	7	0.4	0.06	2.7
428	Soil	38.9	29.6	0.28	304.1	0.005	2	0.83	0.002	0.08	<0.1	3.8	0.10	<0.02	48	0.9	0.08	1.8
429	Soil	46.3	64.8	0.70	1082.6	0.041	1	1.28	0.002	0.35	<0.1	6.4	0.26	<0.02	40	0.4	0.09	4.0
430	Soil	25.6	43.8	0.46	315.5	0.002	2	1.17	0.002	0.07	<0.1	6.9	0.41	<0.02	389	0.5	0.09	3.0
431	Soil	29.2	36.8	0.52	205.4	0.027	1	1.24	0.005	0.06	0.1	4.7	0.08	<0.02	28	0.6	0.06	3.7
432	Soil	21.8	22.2	0.31	213.0	0.006	<1	1.24	0.005	0.13	<0.1	4.8	0.17	0.10	29	0.5	0.12	3.0
433	Soil	28.3	17.9	0.42	175.5	0.007	1	1.69	0.003	0.13	<0.1	5.4	0.14	<0.02	40	1.4	0.06	4.6
434	Soil	40.5	17.2	0.28	114.4	0.004	<1	1.15	0.002	0.10	<0.1	3.1	0.09	<0.02	8	0.5	0.05	2.8
435	Soil	44.3	13.4	0.38	99.5	0.002	<1	1.21	0.003	0.07	<0.1	3.2	0.09	<0.02	31	0.4	0.07	2.8
436	Soil	40.2	23.4	0.47	85.3	0.005	<1	1.30	0.003	0.12	<0.1	3.8	0.11	<0.02	25	0.2	0.06	3.7
437	Soil	40.2	31.0	0.57	159.8	0.006	<1	1.34	0.003	0.15	<0.1	4.1	0.08	<0.02	13	0.3	0.14	3.9
438	Soil	33.2	12.2	0.30	147.4	0.007	<1	0.96	0.002	0.13	<0.1	4.9	0.09	<0.02	11	0.5	0.14	3.0
439	Soil	36.4	7.0	0.40	283.6	0.004	<1	1.38	0.003	0.16	<0.1	5.3	0.13	<0.02	35	1.7	0.07	4.0
440	Soil	26.3	11.6	0.37	262.5	0.003	<1	1.26	0.003	0.12	<0.1	4.8	0.11	<0.02	17	0.5	0.11	3.5
440A	Soil	31.9	16.6	0.45	288.7	0.012	<1	1.42	0.003	0.17	<0.1	5.8	0.08	<0.02	14	0.6	0.12	4.7
441	Soil	22.2	21.7	0.66	400.6	0.062	<1	1.87	0.006	0.22	<0.1	6.6	0.12	<0.02	30	0.1	0.06	5.6
442	Soil	27.5	26.7	0.56	299.8	0.042	2	1.77	0.006	0.17	<0.1	5.2	0.11	<0.02	28	0.4	0.07	5.2
484	Soil	40.3	111.4	1.43	132.4	0.016	2	2.20	0.003	0.04	0.1	9.0	0.09	<0.02	23	2.3	0.10	6.2
485	Soil	39.4	30.5	0.62	278.9	0.032	2	1.81	0.007	0.05	0.2	4.5	0.08	<0.02	51	1.3	0.10	5.3
486	Soil	41.7	28.6	0.64	319.3	0.020	1	1.94	0.007	0.05	0.2	4.3	0.09	0.02	58	2.1	0.09	6.0
487	Soil	50.1	31.7	0.88	149.4	0.015	1	1.92	0.004	0.04	0.1	4.5	0.05	<0.02	30	1.2	0.11	5.5
488	Soil	42.5	26.0	0.62	85.3	0.020	2	1.68	0.004	0.05	0.1	2.6	0.06	<0.02	29	1.4	0.10	5.2
489	Soil	40.1	24.5	0.61	156.3	0.028	2	1.65	0.006	0.05	0.2	2.7	0.08	<0.02	32	1.1	0.10	4.9
490	Soil	57.7	22.9	0.64	98.3	0.021	1	1.48	0.003	0.04	0.2	2.8	0.04	<0.02	14	1.7	0.10	4.8
491	Soil	63.5	26.1	0.69	118.2	0.020	1	1.70	0.004	0.04	0.1	3.4	0.05	<0.02	23	2.2	0.14	5.5
492	Soil	34.0	27.1	0.50	274.7	0.037	2	1.85	0.007	0.04	0.2	4.4	0.08	<0.02	52	0.8	0.04	5.4
493	Soil	28.2	27.1	0.45	246.5	0.035	2	1.88	0.007	0.05	0.2	3.9	0.09	0.03	55	0.6	0.05	5.8
494	Soil	39.0	28.5	0.53	222.7	0.042	1	1.89	0.006	0.05	0.2	3.6	0.08	<0.02	33	0.6	0.06	5.7
495	Soil	27.7	27.9	0.47	276.4	0.051	2	1.91	0.008	0.05	0.2	3.8	0.11	<0.02	36	0.5	0.09	6.7
497	Soil	35.0	27.0	0.61	192.6	0.040	2	1.75	0.005	0.04	0.1	3.1	0.05	<0.02	19	0.4	0.05	5.0



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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
498	Soil	4.30	38.53	14.36	90.9	375	25.9	9.7	260	2.76	8.3	2.2	1.2	3.1	24.9	0.45	0.48	0.29	51	0.24	0.068
499	Soil	3.77	32.08	13.16	83.5	217	24.6	7.5	199	2.62	8.9	2.2	3.3	5.9	25.3	0.27	0.50	0.23	47	0.24	0.057
500	Soil	6.57	65.44	15.20	160.2	225	45.1	13.8	305	4.30	2.1	6.9	0.7	17.6	25.9	1.39	0.26	0.51	28	0.17	0.095
501	Soil	4.00	36.77	10.70	85.4	122	23.6	7.5	203	2.74	6.1	2.8	0.7	8.5	26.7	0.31	0.46	0.27	39	0.22	0.052
502	Soil	3.17	31.51	13.44	82.9	116	24.0	9.7	283	2.85	10.1	2.5	2.3	7.9	25.8	0.21	0.44	0.27	49	0.24	0.053
503	Soil	3.31	36.43	12.92	85.4	198	26.1	7.3	196	2.83	6.4	2.8	2.0	8.1	24.9	0.43	0.42	0.33	41	0.25	0.047
504	Soil	3.06	39.04	10.62	102.6	191	27.7	10.5	256	2.81	7.8	3.5	<0.2	4.0	21.4	0.44	0.49	0.32	43	0.21	0.061
505	Soil	2.03	32.78	9.58	91.4	225	29.0	7.0	212	2.78	5.3	2.8	14.1	6.3	20.9	0.43	0.35	0.25	37	0.24	0.054
506	Soil	2.23	82.14	7.65	124.8	92	68.4	13.2	811	4.18	24.8	2.4	2.2	10.2	26.3	0.35	0.36	0.19	79	0.53	0.193
507	Soil	3.71	83.56	7.40	123.6	133	94.6	18.0	675	5.11	37.2	4.7	4.5	8.9	25.7	0.27	0.69	0.15	100	0.53	0.194
508	Soil	5.36	95.56	12.07	146.7	163	92.0	18.2	767	4.84	12.8	3.6	2.5	8.4	24.8	0.48	0.50	0.21	80	0.48	0.173
AL-PUP/1	Soil	2.52	68.45	37.87	74.1	105	449.3	51.0	3060	1.78	23.1	1.1	5.5	11.0	11.9	0.78	0.29	0.40	31	0.17	0.034
FC-1	Soil	1.02	22.71	3.18	90.3	31	44.4	12.3	513	2.51	0.2	0.8	<0.2	9.5	25.4	0.05	<0.02	0.05	23	0.67	0.082
G-1/1	Soil	4.61	92.03	19.22	161.8	542	413.2	38.2	773	7.40	75.0	2.8	3.0	5.7	37.0	0.49	2.39	0.26	129	0.48	0.114
G-1/2	Soil	0.57	13.85	2.40	56.3	39	542.9	42.4	1847	3.26	34.8	0.1	<0.2	1.4	25.0	0.38	0.25	<0.02	72	2.39	0.030
G-1/3	Soil	0.47	215.23	8.69	83.9	129	448.9	99.8	1674	4.65	103.4	0.5	<0.2	5.8	161.0	0.25	1.08	0.09	97	4.51	0.110
G-1/4	Soil	0.91	70.90	9.67	72.2	393	42.6	14.6	641	2.91	57.5	0.9	8.3	12.1	23.2	0.19	0.44	0.11	13	0.27	0.091
G-1/5	Soil	0.86	64.48	1169.70	1751.8	961	1078.2	114.0	2478	5.34	581.3	1.0	60.5	7.5	252.0	7.92	5.49	0.23	41	2.58	0.100
G-1/7	Soil	1.20	38.73	113.57	91.8	522	105.2	16.8	810	2.73	43.7	1.3	27.3	11.1	16.0	0.26	0.41	1.42	25	0.25	0.100
G-1/8	Soil	1.04	101.51	24.40	101.8	366	231.5	38.4	1627	3.70	136.3	0.9	4.2	9.1	33.9	0.27	0.53	0.27	27	0.40	0.093
G-1/9	Soil	0.85	26.50	10.25	47.8	250	20.4	5.1	274	2.74	32.8	1.1	8.6	5.3	30.6	0.49	1.00	0.20	37	0.43	0.107
MB-1/1	Soil	0.04	36.51	3.01	63.6	36	56.0	27.5	829	4.68	<0.1	0.5	2.2	0.9	28.3	0.08	0.05	0.02	80	0.81	0.157
MB-1/2	Soil	0.07	25.12	8.22	64.3	21	62.4	31.3	1992	4.97	0.3	1.2	2.3	5.5	27.0	0.08	0.05	0.05	95	0.71	0.119
MB-1/3	Soil	0.18	19.64	6.05	69.7	29	67.5	30.8	1883	4.83	0.2	0.7	1.6	1.3	31.3	0.08	0.06	0.05	93	0.92	0.190
MB-1/4	Soil	0.02	63.73	1.27	47.0	10	50.7	23.3	599	3.45	0.4	0.2	0.6	0.6	26.5	0.03	0.04	<0.02	57	0.73	0.160
MB-1/5	Soil	0.11	66.90	4.43	50.9	21	54.3	38.7	1271	3.75	0.4	0.4	0.5	2.0	23.1	0.06	0.05	<0.02	60	0.70	0.166
MB-1/6	Soil	0.06	32.66	4.93	31.3	26	10.5	11.8	582	3.57	1.1	2.6	1.0	20.2	31.9	0.04	0.05	0.08	42	0.58	0.142
MB-1/7	Soil	0.06	16.51	11.67	34.5	39	11.6	13.0	652	2.95	0.4	2.9	1.2	19.2	24.3	0.06	0.06	0.08	39	0.42	0.100



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Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
498	Soil	25.7	31.0	0.50	296.6	0.047	2	1.97	0.008	0.05	0.2	3.8	0.11	<0.02	56	1.4	0.05	6.1
499	Soil	25.3	29.6	0.49	263.3	0.053	2	1.77	0.008	0.05	0.2	4.0	0.10	<0.02	60	1.0	0.04	4.9
500	Soil	51.1	29.0	0.69	311.7	0.015	2	2.00	0.004	0.03	<0.1	4.5	0.04	<0.02	27	2.4	0.16	5.6
501	Soil	29.4	26.7	0.48	277.0	0.043	2	1.50	0.006	0.04	0.2	3.8	0.06	<0.02	38	0.9	0.07	4.8
502	Soil	26.7	29.4	0.51	266.1	0.052	<1	1.85	0.008	0.05	0.2	4.5	0.09	<0.02	34	0.5	0.06	5.9
503	Soil	31.8	26.8	0.51	204.8	0.044	2	1.71	0.007	0.04	0.2	4.1	0.08	<0.02	28	0.6	0.06	5.1
504	Soil	28.0	28.2	0.49	238.1	0.048	3	1.88	0.008	0.05	0.2	3.9	0.08	<0.02	46	0.6	0.07	5.8
505	Soil	29.7	24.7	0.50	276.3	0.039	<1	1.86	0.007	0.04	0.2	3.6	0.08	<0.02	32	0.7	0.05	5.3
506	Soil	36.6	63.0	1.13	407.8	0.035	1	2.32	0.004	0.23	<0.1	7.0	0.13	<0.02	16	0.6	0.07	7.4
507	Soil	34.5	81.4	1.22	490.9	0.035	1	2.52	0.004	0.18	<0.1	11.7	0.11	<0.02	31	1.1	0.07	7.5
508	Soil	38.5	84.7	1.09	368.0	0.063	1	2.10	0.005	0.20	<0.1	8.9	0.15	<0.02	40	1.0	0.08	6.3
AL-PUP/1	Soil	22.6	32.9	0.53	463.9	0.025	<1	0.88	0.002	0.05	<0.1	4.4	0.19	<0.02	22	0.1	0.05	2.8
FC-1	Soil	31.1	20.3	0.85	57.1	0.006	2	1.29	0.001	0.09	<0.1	2.2	0.03	0.04	9	<0.1	0.03	3.4
G-1/1	Soil	13.8	618.7	2.33	307.9	0.100	4	3.47	0.005	0.21	0.1	15.7	0.20	<0.02	165	0.2	0.10	11.3
G-1/2	Soil	8.4	905.7	3.19	213.9	0.074	<1	2.25	0.001	0.01	<0.1	11.5	<0.02	<0.02	33	<0.1	0.02	6.2
G-1/3	Soil	19.7	296.4	4.07	150.0	<0.001	1	2.62	0.002	0.07	<0.1	12.4	0.10	<0.02	7	<0.1	0.05	7.8
G-1/4	Soil	32.9	9.6	0.11	202.5	<0.001	<1	0.44	0.002	0.11	<0.1	2.4	0.04	<0.02	26	0.4	0.06	1.1
G-1/5	Soil	31.1	268.8	1.83	308.2	<0.001	1	0.98	0.004	0.12	<0.1	10.8	0.07	<0.02	59	<0.1	0.17	2.6
G-1/7	Soil	29.9	82.7	1.01	168.2	0.002	<1	1.22	0.002	0.06	<0.1	3.1	0.05	<0.02	73	0.4	0.26	4.0
G-1/8	Soil	22.6	96.4	0.67	247.1	0.001	<1	0.81	0.001	0.07	<0.1	4.6	0.10	<0.02	19	0.4	0.07	2.4
G-1/9	Soil	13.8	15.9	0.25	135.8	0.037	1	0.61	0.004	0.07	0.5	2.0	0.33	<0.02	163	0.2	<0.02	1.9
MB-1/1	Soil	4.4	116.7	1.96	181.1	0.045	<1	2.37	0.010	0.34	<0.1	12.5	0.14	<0.02	12	0.2	<0.02	7.1
MB-1/2	Soil	12.2	146.8	2.37	181.7	0.027	<1	2.88	0.009	0.25	<0.1	10.7	0.23	<0.02	6	0.2	<0.02	10.8
MB-1/3	Soil	7.3	125.6	2.28	206.8	0.024	<1	2.58	0.008	0.25	<0.1	13.2	0.18	<0.02	6	<0.1	<0.02	10.4
MB-1/4	Soil	2.6	90.1	1.76	115.8	0.059	<1	1.84	0.011	0.23	<0.1	9.7	0.13	<0.02	<5	<0.1	<0.02	6.0
MB-1/5	Soil	3.3	90.3	1.75	173.8	0.087	<1	2.08	0.012	0.36	<0.1	6.3	0.17	<0.02	<5	<0.1	<0.02	6.7
MB-1/6	Soil	58.1	15.2	0.86	127.0	0.008	<1	1.59	0.005	0.15	<0.1	3.9	0.05	<0.02	<5	<0.1	<0.02	8.2
MB-1/7	Soil	45.8	22.5	0.74	92.2	0.004	<1	1.32	0.004	0.09	<0.1	3.5	0.03	<0.02	5	<0.1	<0.02	6.1



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Project: Leota
Report Date: April 05, 2018

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QUALITY CONTROL REPORT

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Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252		
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P		
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001		
Pulp Duplicates																						
142	Soil	0.64	18.11	22.92	36.5	58	19.4	5.8	185	1.69	23.7	0.8	1.5	13.3	11.2	0.04	0.50	0.24	25	0.19	0.017	
REP 142	QC	0.61	16.79	22.20	32.9	62	18.1	5.8	184	1.67	23.6	0.8	3.4	12.4	9.7	0.04	0.46	0.23	25	0.19	0.016	
245	Soil	1.19	36.52	30.47	121.1	222	38.9	10.3	386	3.16	13.3	1.1	3.8	6.4	13.3	0.24	0.68	0.22	67	0.12	0.040	
REP 245	QC	1.07	34.48	27.76	110.5	212	37.6	9.8	379	3.13	12.4	1.0	2.8	6.1	12.6	0.23	0.67	0.20	66	0.12	0.039	
277	Soil	0.64	26.85	8.45	55.7	62	20.0	7.8	279	2.13	7.7	1.6	7.0	5.9	16.5	0.08	0.45	0.16	34	0.19	0.034	
REP 277	QC	0.64	25.56	8.27	58.8	69	19.4	7.7	286	2.12	7.5	1.5	1.8	5.6	17.3	0.06	0.50	0.16	34	0.19	0.033	
309	Soil	0.51	47.23	5.60	52.9	43	60.7	21.5	415	3.40	7.1	0.4	0.5	2.9	16.6	0.04	0.52	0.09	79	0.39	0.071	
REP 309	QC	0.54	48.73	5.93	51.9	43	60.2	23.5	435	3.42	7.4	0.4	1.5	2.9	16.6	0.05	0.56	0.10	77	0.39	0.075	
341	Soil	0.27	247.45	4.29	160.5	41	93.5	26.9	857	3.88	0.4	0.1	<0.2	0.1	4.1	0.07	0.05	0.03	100	0.13	0.010	
REP 341	QC	0.27	246.60	4.32	160.5	39	95.0	26.9	896	3.85	0.3	0.1	<0.2	0.1	4.1	0.06	0.04	0.03	101	0.13	0.011	
373	Soil	0.22	26.06	7.90	105.2	65	82.0	38.0	1136	7.82	48.9	0.8	3.7	1.3	21.9	0.10	0.31	0.12	244	0.58	0.084	
REP 373	QC	0.21	28.01	8.22	108.5	67	81.8	38.3	1116	7.79	51.2	0.8	2.8	1.4	23.3	0.09	0.30	0.13	242	0.56	0.081	
398	Soil	1.02	28.70	6.97	82.2	46	39.9	10.7	488	2.36	459.6	1.9	22.0	11.0	11.7	0.15	4.33	0.13	19	0.24	0.090	
REP 398	QC	0.99	29.00	7.51	78.0	40	38.3	11.0	471	2.30	443.4	2.1	23.5	10.9	12.5	0.18	4.46	0.12	19	0.22	0.077	
436	Soil	0.49	39.66	10.43	85.3	45	36.2	13.5	408	2.85	120.3	1.4	5.0	13.6	18.4	0.12	0.91	0.28	24	0.28	0.095	
REP 436	QC	0.49	38.70	10.51	83.0	50	36.2	12.7	403	2.87	117.4	1.4	5.5	12.5	17.8	0.14	0.92	0.28	24	0.27	0.091	
FC-1	Soil	1.02	22.71	3.18	90.3	31	44.4	12.3	513	2.51	0.2	0.8	<0.2	9.5	25.4	0.05	<0.02	0.05	23	0.67	0.082	
REP FC-1	QC	1.03	22.17	3.13	82.4	29	46.0	12.3	489	2.54	0.3	0.8	<0.2	8.9	24.7	0.05	<0.02	0.05	23	0.67	0.077	
MB-1/6	Soil	0.06	32.66	4.93	31.3	26	10.5	11.8	582	3.57	1.1	2.6	1.0	20.2	31.9	0.04	0.05	0.08	42	0.58	0.142	
REP MB-1/6	QC	0.04	34.15	4.79	30.1	24	10.6	12.7	605	3.57	0.8	2.4	1.2	20.8	30.7	0.04	0.05	0.08	42	0.58	0.145	
Reference Materials																						
STD DS11	Standard	14.85	160.19	135.94	342.7	1719	86.0	14.6	996	3.11	41.6	2.7	80.7	7.7	68.5	2.28	7.07	11.47	51	1.07	0.067	
STD DS11	Standard	15.29	147.59	138.83	343.0	1783	79.0	14.1	1064	3.17	42.1	2.6	74.5	7.9	71.0	2.48	8.17	11.93	49	1.09	0.070	
STD DS11	Standard	15.06	147.84	141.59	333.1	1778	81.1	14.6	1063	3.10	41.4	2.7	70.6	7.9	65.4	2.46	7.98	12.07	48	1.08	0.071	
STD DS11	Standard	14.57	155.58	136.67	334.4	1752	82.7	14.2	1108	3.21	42.8	2.6	80.0	7.7	68.3	2.43	7.78	11.59	51	1.08	0.070	
STD DS11	Standard	14.42	152.80	133.21	342.2	1655	79.3	13.7	1038	3.09	43.3	2.5	86.2	7.8	68.4	2.43	7.41	11.77	49	1.05	0.073	
STD DS11	Standard	14.61	153.66	134.43	335.1	1801	80.3	14.2	1049	3.16	42.8	2.8	71.9	8.0	72.0	2.36	7.91	12.16	51	1.08	0.071	
STD DS11	Standard	13.89	152.44	134.68	322.4	1714	79.9	13.8	1042	3.12	44.0	2.4	70.1	7.4	70.0	2.39	7.84	11.82	49	1.06	0.070	



QUALITY CONTROL REPORT

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
142	Soil	23.4	22.0	0.25	271.9	0.012	2	0.78	0.004	0.09	<0.1	7.6	0.09	<0.02	30	0.4	0.03	2.2
REP 142	QC	22.1	21.0	0.25	264.8	0.011	2	0.77	0.003	0.09	<0.1	6.7	0.10	<0.02	17	0.2	<0.02	1.9
245	Soil	22.3	48.4	0.52	290.7	0.054	2	2.26	0.006	0.09	0.1	4.9	0.14	<0.02	32	0.4	0.05	5.8
REP 245	QC	20.8	46.3	0.52	266.3	0.050	2	2.17	0.005	0.08	0.1	4.9	0.12	<0.02	36	0.2	0.03	5.5
277	Soil	14.9	24.6	0.35	333.4	0.043	1	1.01	0.007	0.07	0.1	4.3	0.06	<0.02	27	<0.1	<0.02	2.8
REP 277	QC	16.0	24.7	0.35	343.8	0.045	<1	1.01	0.007	0.07	0.1	4.6	0.06	<0.02	28	<0.1	<0.02	2.9
309	Soil	12.7	105.7	1.20	335.2	0.090	<1	2.20	0.007	0.18	<0.1	7.6	0.11	<0.02	15	0.3	0.03	4.9
REP 309	QC	12.6	110.3	1.21	334.3	0.095	1	2.22	0.007	0.17	<0.1	7.0	0.12	<0.02	12	0.3	0.03	5.2
341	Soil	<0.5	268.4	3.33	78.9	0.049	<1	2.96	0.001	<0.01	<0.1	14.8	<0.02	<0.02	6	0.1	0.08	6.3
REP 341	QC	<0.5	274.4	3.37	79.2	0.049	<1	2.99	0.002	<0.01	<0.1	14.4	<0.02	<0.02	8	0.2	0.08	6.3
373	Soil	8.4	189.0	3.78	349.5	0.045	1	4.52	0.004	0.10	<0.1	27.6	0.09	<0.02	15	<0.1	0.02	14.3
REP 373	QC	8.2	193.3	3.80	361.1	0.045	<1	4.57	0.004	0.10	<0.1	27.5	0.10	<0.02	12	0.1	<0.02	14.8
398	Soil	30.6	14.7	0.30	113.0	0.004	<1	1.10	0.002	0.10	<0.1	4.2	0.07	<0.02	14	0.5	0.05	2.4
REP 398	QC	29.6	16.1	0.30	114.6	0.004	<1	1.05	0.002	0.10	<0.1	3.5	0.08	<0.02	18	0.4	0.04	2.2
436	Soil	40.2	23.4	0.47	85.3	0.005	<1	1.30	0.003	0.12	<0.1	3.8	0.11	<0.02	25	0.2	0.06	3.7
REP 436	QC	40.0	22.5	0.48	88.6	0.005	1	1.34	0.003	0.13	<0.1	3.8	0.12	<0.02	15	0.3	0.05	3.7
FC-1	Soil	31.1	20.3	0.85	57.1	0.006	2	1.29	0.001	0.09	<0.1	2.2	0.03	0.04	9	<0.1	0.03	3.4
REP FC-1	QC	29.9	21.5	0.85	57.9	0.006	<1	1.28	0.001	0.09	<0.1	2.0	0.03	0.04	<5	<0.1	0.03	3.2
MB-1/6	Soil	58.1	15.2	0.86	127.0	0.008	<1	1.59	0.005	0.15	<0.1	3.9	0.05	<0.02	<5	<0.1	<0.02	8.2
REP MB-1/6	QC	56.1	14.7	0.86	129.2	0.006	<1	1.58	0.005	0.15	<0.1	3.4	0.05	<0.02	6	0.2	<0.02	7.6
Reference Materials																		
STD DS11	Standard	18.7	63.4	0.85	367.9	0.099	5	1.17	0.076	0.42	2.9	3.4	4.84	0.29	267	2.3	4.56	4.5
STD DS11	Standard	19.2	62.7	0.86	370.9	0.096	7	1.22	0.080	0.40	3.0	3.5	4.95	0.27	263	2.2	4.70	5.1
STD DS11	Standard	19.2	62.7	0.84	379.0	0.095	7	1.18	0.078	0.39	3.2	3.4	5.14	0.27	282	2.0	4.78	5.2
STD DS11	Standard	18.1	60.0	0.85	358.2	0.098	7	1.17	0.071	0.41	2.9	3.1	4.85	0.29	268	2.0	4.60	4.5
STD DS11	Standard	19.6	63.1	0.85	349.1	0.096	7	1.17	0.073	0.41	2.8	3.2	4.78	0.27	270	2.0	4.57	5.1
STD DS11	Standard	19.2	62.5	0.84	372.4	0.103	7	1.20	0.072	0.41	2.9	3.3	4.91	0.28	279	2.0	4.49	4.8
STD DS11	Standard	20.8	61.8	0.85	387.3	0.098	6	1.19	0.073	0.41	2.8	3.3	4.80	0.27	246	2.3	4.65	5.0



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Vancouver British Columbia V6C 3B2 Canada

Project: Leota
Report Date: April 05, 2018

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QUALITY CONTROL REPORT

WHI17000995.1

		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD DS11	Standard	14.21	145.44	146.45	364.2	1849	73.3	13.6	1074	3.12	42.7	3.0	77.3	8.3	69.9	2.41	8.06	13.47	49	1.05	0.078
STD DS11	Standard	15.26	152.46	141.52	387.5	1823	79.7	15.5	926	3.13	47.6	2.9	75.0	8.1	71.0	2.52	8.29	12.67	50	1.09	0.073
STD DS11	Standard	14.63	139.97	137.54	364.7	1687	80.2	14.0	1063	3.14	46.7	2.7	65.2	8.1	74.2	2.48	8.77	12.42	50	1.06	0.078
STD OXC129	Standard	1.21	27.37	5.80	38.2	4	82.8	21.2	395	3.02	0.9	0.7	197.2	1.8	181.8	<0.01	0.03	<0.02	53	0.66	0.093
STD OXC129	Standard	1.29	26.35	6.44	38.1	11	81.0	22.0	434	3.05	0.6	0.7	209.3	1.8	205.8	0.03	0.03	<0.02	51	0.76	0.101
STD OXC129	Standard	1.41	27.89	6.34	41.4	13	83.1	21.8	427	3.09	0.4	0.7	206.9	1.8	195.0	0.02	0.03	<0.02	51	0.70	0.102
STD OXC129	Standard	1.28	27.83	6.07	39.7	9	83.7	22.3	434	3.03	0.4	0.7	191.9	1.7	186.0	<0.01	0.02	<0.02	52	0.68	0.098
STD OXC129	Standard	1.25	27.38	6.19	42.4	11	83.0	19.6	425	3.01	0.6	0.7	200.3	1.8	185.8	0.02	0.04	<0.02	51	0.68	0.100
STD OXC129	Standard	1.34	26.80	6.09	40.7	9	82.1	21.2	420	3.06	0.4	0.7	195.7	1.7	187.4	0.01	0.03	0.02	52	0.70	0.097
STD OXC129	Standard	1.13	27.19	5.89	43.4	9	76.5	19.9	402	3.05	0.5	0.6	194.2	1.6	190.5	<0.01	0.03	<0.02	51	0.67	0.097
STD OXC129	Standard	1.23	25.82	6.35	42.8	14	73.7	18.6	447	3.08	0.5	0.7	195.8	1.9	187.8	0.02	0.03	0.03	52	0.67	0.103
STD OXC129	Standard	1.28	26.84	6.03	45.8	10	83.4	19.8	443	3.11	0.4	0.7	189.8	1.9	191.0	0.02	0.03	<0.02	55	0.74	0.099
STD OXC129	Standard	1.29	26.50	5.78	40.4	11	79.5	19.8	413	3.04	0.6	0.7	181.4	1.7	172.7	0.03	0.03	<0.02	53	0.71	0.100
STD OXC129 Expected		1.3	28	6.2	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1710	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	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	0.01	0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: Leota
Report Date: April 05, 2018

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QUALITY CONTROL REPORT

WHI17000995.1

		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
STD DS11	Standard	19.7	59.0	0.83	387.6	0.090	5	1.13	0.070	0.40	2.9	2.9	5.05	0.26	283	2.3	4.85	5.7
STD DS11	Standard	20.5	56.6	0.85	383.8	0.109	10	1.21	0.076	0.42	2.9	3.6	4.95	0.28	264	2.1	4.90	5.9
STD DS11	Standard	20.3	56.3	0.85	373.0	0.100	8	1.21	0.075	0.41	2.8	3.4	4.86	0.28	265	2.1	4.69	5.1
STD OXC129	Standard	12.2	51.7	1.51	49.5	0.399	<1	1.58	0.602	0.38	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.0
STD OXC129	Standard	12.8	54.5	1.61	52.6	0.424	<1	1.69	0.623	0.37	<0.1	1.4	0.04	<0.02	<5	<0.1	<0.02	5.9
STD OXC129	Standard	12.9	56.3	1.54	51.7	0.437	<1	1.61	0.605	0.37	<0.1	1.0	0.04	<0.02	<5	<0.1	0.02	5.8
STD OXC129	Standard	12.1	53.9	1.58	48.4	0.426	<1	1.55	0.590	0.37	<0.1	0.8	0.04	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	12.4	53.3	1.56	51.2	0.399	2	1.61	0.588	0.38	<0.1	0.6	0.03	<0.02	<5	<0.1	<0.02	5.1
STD OXC129	Standard	12.5	55.7	1.54	49.1	0.431	<1	1.58	0.579	0.37	<0.1	0.9	0.05	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	12.9	51.3	1.56	48.5	0.387	2	1.54	0.585	0.36	<0.1	0.6	0.03	<0.02	<5	0.1	<0.02	5.4
STD OXC129	Standard	13.0	49.5	1.57	50.2	0.373	<1	1.51	0.585	0.37	<0.1	0.7	0.03	<0.02	8	0.2	<0.02	6.0
STD OXC129	Standard	12.6	49.7	1.58	51.7	0.386	1	1.66	0.590	0.37	<0.1	1.1	0.03	<0.02	8	<0.1	<0.02	5.9
STD OXC129	Standard	12.4	50.4	1.51	49.2	0.389	1	1.64	0.582	0.37	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.3
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Client: **XyQuest Mining Corp.**
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Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 03, 2017
Report Date: April 20, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17000994.1

CLIENT JOB INFORMATION

Project: Lil Kate Daisy
Shipment ID:
P.O. Number
Number of Samples: 50

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: XyQuest Mining Corp.
702-889 Pender Street W
Vancouver British Columbia V6C 3B2
Canada

CC: Al Doherty

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	50	Dry at 60C			WHI
SS80	50	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	50	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	50	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.



Bureau Veritas Commodities Canada Ltd.

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Project: Lil Kate Daisy
Report Date: April 20, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000994.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
180	Soil	1.38	42.72	7.71	67.4	23	40.0	12.9	499	3.05	9.5	3.2	0.6	10.1	16.1	0.07	0.63	0.17	50	0.32	0.090
181	Soil	0.84	58.81	8.33	77.7	65	39.4	14.6	460	3.18	7.8	0.7	<0.2	5.4	15.3	0.02	0.35	0.19	56	0.23	0.071
182	Soil	0.94	84.91	11.08	99.4	56	45.9	14.5	484	3.36	11.1	1.0	3.8	7.6	14.7	0.06	0.41	0.18	56	0.20	0.069
183	Soil	0.72	96.51	5.49	100.0	60	79.4	18.7	638	4.34	11.0	1.7	5.6	7.6	21.1	0.05	0.60	0.12	74	0.56	0.140
184	Soil	0.64	53.28	8.68	73.2	119	53.5	16.9	434	3.92	8.9	1.0	2.9	4.3	23.1	0.04	0.39	0.15	82	0.40	0.059
185	Soil	0.32	87.85	3.68	81.0	41	93.9	30.5	1039	5.02	5.4	1.3	4.3	4.4	24.8	0.06	0.51	0.05	108	0.60	0.121
186	Soil	0.59	121.09	5.98	95.4	33	89.2	28.5	700	5.10	4.1	1.4	3.0	7.0	19.6	0.05	0.37	0.12	91	0.33	0.048
187	Soil	0.78	64.15	6.24	59.8	120	25.1	9.6	901	2.53	5.7	0.7	0.3	3.4	8.7	0.17	0.32	0.11	53	0.10	0.092
188	Soil	0.81	112.51	7.69	84.7	50	41.5	18.1	214	2.98	7.4	1.9	2.8	11.6	6.7	0.03	0.46	0.23	42	0.06	0.048
189	Soil	0.39	113.01	7.95	77.4	48	54.6	17.1	281	3.60	4.2	1.3	3.8	11.7	6.3	0.04	0.34	0.22	65	0.07	0.042
190	Soil	0.05	41.26	0.82	63.1	25	60.5	19.5	671	3.01	1.7	0.3	2.4	2.9	18.5	0.06	0.07	<0.02	50	1.01	0.394
191	Soil	1.79	51.18	5.20	80.7	52	40.1	11.7	466	3.31	2.7	1.4	0.8	9.6	9.2	0.06	0.15	0.12	56	0.15	0.104
192	Soil	0.04	104.05	0.75	52.1	26	83.9	24.7	683	3.31	1.4	0.5	3.2	0.9	16.3	0.03	0.05	<0.02	73	0.80	0.289
193	Soil	0.10	116.29	1.58	75.0	17	87.1	15.3	577	3.17	1.1	0.2	0.3	0.5	15.2	0.06	0.08	<0.02	67	0.46	0.095
194	Soil	0.86	89.18	11.27	84.9	57	36.5	9.9	613	2.53	9.5	1.4	4.1	6.7	6.0	0.14	0.93	0.16	62	0.06	0.042
195	Soil	0.49	38.59	140.22	201.3	43	34.0	7.5	320	2.19	6.6	1.7	0.8	7.6	6.5	0.39	0.47	0.14	31	0.11	0.058
196	Soil	0.76	119.30	6.41	115.3	118	48.6	15.0	829	4.27	3.2	1.5	<0.2	10.6	4.9	0.18	0.19	0.28	57	0.07	0.064
197	Soil	0.84	58.23	13.57	85.9	140	41.0	11.6	319	3.40	6.5	1.3	1.4	7.8	6.6	0.12	0.36	0.19	55	0.07	0.043
198	Soil	0.77	85.44	22.67	119.8	62	73.5	25.6	1955	3.88	10.2	1.7	1.6	13.2	13.0	0.64	1.30	0.22	57	0.15	0.060
199	Soil	0.44	79.10	22.82	174.2	53	47.5	21.1	1342	5.66	5.0	2.0	1.1	7.8	21.6	0.27	0.32	0.18	120	0.27	0.045
200	Soil	0.83	38.99	21.43	169.5	56	27.3	13.1	799	3.09	5.2	1.9	3.3	11.3	15.6	0.27	0.43	0.30	41	0.17	0.026
201	Soil	0.67	37.42	11.90	122.3	26	34.4	13.4	822	2.94	2.2	1.3	1.3	17.1	11.2	0.06	0.10	0.59	45	0.13	0.018
202	Soil	1.55	39.91	11.77	57.8	23	18.0	10.2	307	2.67	6.9	2.7	2.4	15.5	13.4	0.03	0.48	0.48	37	0.14	0.020
203	Soil	1.17	51.49	5.85	74.8	14	18.4	6.3	358	2.57	2.1	2.4	1.0	20.1	8.5	0.06	0.12	0.43	28	0.09	0.019
204	Soil	0.85	36.77	13.25	76.0	31	22.5	9.7	319	3.01	5.1	1.9	2.0	12.9	14.5	0.07	0.35	0.31	43	0.16	0.019
205	Soil	1.02	39.70	41.86	74.6	39	23.0	8.8	431	2.62	6.1	1.4	2.0	13.3	16.7	0.16	0.45	0.32	37	0.19	0.021
206	Soil	1.03	50.84	23.78	99.5	86	30.4	14.5	616	3.39	6.2	1.2	1.9	13.0	20.1	0.16	0.46	0.38	48	0.25	0.026
207	Soil	1.84	44.69	56.91	83.3	69	22.9	8.0	372	2.51	10.4	1.3	2.6	10.9	19.3	0.21	0.54	0.86	36	0.25	0.038
208	Soil	1.87	41.23	61.32	83.9	85	26.4	9.0	353	2.62	10.6	0.9	2.0	8.6	25.5	0.15	0.67	0.67	41	0.30	0.052
209	Soil	1.75	35.54	52.97	78.4	144	26.4	11.4	601	2.69	9.4	1.2	3.7	7.4	23.2	0.10	0.53	0.48	47	0.30	0.034



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Project: Lil Kate Daisy
Report Date: April 20, 2018

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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
180	Soil	28.7	49.3	0.57	243.8	0.032	<1	1.32	0.005	0.07	<0.1	4.9	0.08	<0.02	10	0.5	0.04	3.6
181	Soil	17.0	59.1	0.78	264.5	0.051	<1	1.78	0.005	0.09	<0.1	4.0	0.11	<0.02	11	0.2	0.06	5.1
182	Soil	25.8	59.7	0.68	252.5	0.022	<1	1.68	0.004	0.07	<0.1	3.9	0.11	<0.02	13	0.4	0.03	4.8
183	Soil	29.6	100.8	1.11	417.7	0.049	<1	2.21	0.005	0.20	<0.1	11.0	0.17	<0.02	31	0.5	0.03	5.4
184	Soil	17.6	85.8	1.13	515.3	0.068	1	2.54	0.006	0.08	<0.1	10.6	0.16	<0.02	25	0.4	0.02	7.2
185	Soil	20.4	157.7	1.95	457.1	0.071	<1	2.81	0.006	0.30	<0.1	18.4	0.23	<0.02	22	0.3	<0.02	8.2
186	Soil	33.9	111.2	1.86	448.2	0.106	<1	3.07	0.005	0.18	<0.1	15.7	0.24	<0.02	27	0.5	0.03	8.3
187	Soil	19.7	22.0	0.18	307.9	0.015	<1	0.78	0.004	0.07	<0.1	2.5	0.10	<0.02	12	0.3	0.05	3.1
188	Soil	40.6	37.1	0.41	133.6	0.006	1	1.06	0.002	0.06	<0.1	5.6	0.12	<0.02	14	0.5	0.08	3.0
189	Soil	47.5	60.9	0.86	250.5	0.064	<1	1.94	0.005	0.27	<0.1	10.1	0.21	<0.02	15	0.4	0.05	5.2
190	Soil	10.8	46.2	1.05	383.7	0.078	<1	1.70	0.009	0.57	<0.1	5.7	0.16	<0.02	11	<0.1	<0.02	3.9
191	Soil	28.2	53.6	0.70	198.6	0.031	1	1.68	0.003	0.11	<0.1	4.3	0.09	<0.02	10	0.3	0.05	4.5
192	Soil	3.4	107.8	1.25	420.0	0.109	<1	2.04	0.010	0.66	<0.1	9.7	0.18	<0.02	9	<0.1	<0.02	4.4
193	Soil	2.4	127.3	1.49	205.6	0.095	<1	1.98	0.016	0.08	<0.1	6.3	0.05	<0.02	<5	0.1	<0.02	5.2
194	Soil	25.6	25.7	0.18	210.2	0.012	<1	1.19	0.003	0.04	<0.1	4.7	0.12	<0.02	32	0.4	0.06	2.6
195	Soil	25.6	24.7	0.20	127.4	0.013	<1	0.88	0.003	0.03	<0.1	4.6	0.08	<0.02	29	0.5	0.04	1.9
196	Soil	33.4	57.8	1.00	265.6	0.053	<1	2.17	0.002	0.17	<0.1	4.5	0.22	<0.02	15	0.4	0.11	5.5
197	Soil	24.7	47.8	0.64	198.9	0.029	<1	1.86	0.003	0.04	<0.1	4.7	0.14	<0.02	21	0.6	0.05	4.6
198	Soil	42.3	41.4	0.49	426.2	0.028	<1	1.11	0.005	0.16	<0.1	9.1	0.23	<0.02	27	0.4	0.05	3.5
199	Soil	32.1	75.6	1.77	792.0	0.230	<1	2.78	0.008	1.04	<0.1	19.6	0.75	<0.02	25	0.4	0.04	9.7
200	Soil	32.2	28.9	0.51	372.5	0.094	<1	1.26	0.006	0.29	<0.1	5.0	0.22	<0.02	34	0.5	0.02	3.8
201	Soil	42.9	68.1	1.49	279.3	0.186	<1	1.95	0.004	0.85	<0.1	6.6	0.39	<0.02	<5	0.2	<0.02	6.0
202	Soil	40.1	28.5	0.58	245.3	0.094	<1	1.30	0.005	0.15	<0.1	4.2	0.12	<0.02	30	0.4	0.02	4.0
203	Soil	37.6	29.3	0.90	224.9	0.152	<1	1.47	0.003	0.62	<0.1	4.8	0.25	<0.02	18	0.3	<0.02	5.2
204	Soil	37.7	35.8	0.83	300.6	0.128	<1	1.64	0.005	0.33	<0.1	5.6	0.17	<0.02	31	0.3	<0.02	5.1
205	Soil	33.7	31.3	0.63	314.9	0.107	<1	1.33	0.006	0.30	<0.1	4.4	0.17	<0.02	35	0.3	<0.02	4.1
206	Soil	34.8	43.5	0.98	383.7	0.159	<1	1.79	0.008	0.52	<0.1	5.8	0.25	<0.02	54	0.3	<0.02	5.7
207	Soil	22.8	26.1	0.48	312.4	0.070	<1	1.12	0.008	0.13	0.1	3.8	0.11	0.03	35	0.4	<0.02	3.4
208	Soil	21.1	30.2	0.50	319.7	0.072	<1	1.23	0.012	0.09	0.1	4.1	0.10	<0.02	27	0.5	0.03	3.6
209	Soil	22.8	34.4	0.51	377.5	0.072	<1	1.53	0.012	0.07	0.1	4.4	0.09	<0.02	42	0.4	0.05	4.6

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



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Project: Lil Kate Daisy
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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
210	Soil	2.88	38.73	184.27	60.2	137	16.5	6.0	221	2.29	14.4	1.0	2.6	16.9	18.8	0.12	0.50	1.45	28	0.18	0.031
211	Soil	1.26	32.34	34.40	64.7	113	23.5	7.9	304	2.53	9.7	1.4	3.8	7.5	24.8	0.09	0.51	0.40	43	0.33	0.042
212	Soil	1.36	27.52	23.22	61.0	98	22.7	8.1	278	2.54	11.1	2.0	2.6	5.8	24.3	0.08	0.50	0.41	46	0.32	0.047
213	Soil	1.04	29.94	20.27	65.5	120	24.1	9.6	343	2.62	11.0	1.8	2.3	6.0	30.3	0.10	0.48	0.31	47	0.40	0.051
214	Soil	1.68	38.69	34.47	71.7	148	24.6	9.2	370	2.80	15.4	1.6	3.3	9.1	29.1	0.13	0.54	0.60	46	0.38	0.048
215	Soil	1.40	26.24	23.37	55.8	88	19.4	7.5	284	2.36	10.8	1.5	4.1	7.5	26.0	0.06	0.44	0.37	42	0.33	0.049
216	Soil	1.66	36.53	41.50	70.2	100	21.9	7.6	245	2.59	13.0	1.4	1.4	9.4	24.0	0.10	0.45	0.64	43	0.29	0.041
217	Soil	4.54	234.41	11.71	428.2	42	22.1	5.4	322	4.23	7.3	9.9	1.1	41.3	13.1	0.34	0.24	0.65	15	0.14	0.054
218	Soil	2.32	48.06	13.48	68.1	72	17.2	6.5	298	2.21	9.3	2.1	3.1	18.5	19.7	0.05	0.42	1.63	31	0.20	0.032
219	Soil	1.95	34.51	23.43	45.5	94	15.3	4.6	165	1.93	10.6	0.9	2.0	12.4	17.2	0.07	0.46	1.03	25	0.21	0.027
220	Soil	4.02	22.81	29.66	42.7	88	4.1	1.6	32	1.89	13.7	1.0	0.9	18.6	10.9	0.10	0.28	2.59	7	0.04	0.022
221	Soil	4.75	65.34	43.00	99.1	171	7.7	6.0	351	2.35	17.2	3.8	0.6	24.4	17.8	0.43	0.40	1.37	9	0.07	0.049
222	Soil	1.85	40.14	47.73	72.5	135	24.7	11.0	311	2.76	15.9	1.4	1.7	12.6	23.4	0.13	0.70	0.72	43	0.30	0.035
223	Soil	2.37	47.20	87.54	96.9	195	25.3	11.7	276	3.09	24.0	1.1	2.8	16.0	20.1	0.26	0.67	0.53	41	0.26	0.026
224	Soil	2.31	45.27	116.11	98.2	230	34.0	11.8	418	3.21	20.7	0.8	7.3	11.5	24.5	0.25	0.92	0.54	51	0.35	0.047
225	Soil	1.60	30.36	64.93	68.9	68	23.0	8.4	276	2.40	12.5	0.7	2.2	8.4	25.0	0.10	0.62	0.42	40	0.29	0.034
226	Soil	1.24	29.87	52.83	59.7	64	23.8	7.9	272	2.35	12.9	1.0	3.2	8.0	23.8	0.09	0.58	0.30	38	0.31	0.032
227	Soil	2.47	33.33	103.28	67.1	165	25.0	8.3	347	2.14	19.8	0.7	1.5	9.8	16.6	0.19	0.72	0.53	28	0.21	0.028
228	Soil	1.63	41.01	72.29	110.6	95	33.2	10.4	551	2.62	25.2	1.1	4.0	12.6	21.7	0.31	0.72	0.27	35	0.25	0.033
229	Soil	1.78	38.85	47.07	117.3	416	36.0	13.4	790	2.93	17.4	1.0	3.3	6.7	28.6	0.70	0.77	0.24	43	0.37	0.059



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CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
210	Soil	32.2	20.7	0.30	279.8	0.053	<1	0.93	0.005	0.12	<0.1	2.7	0.12	0.06	48	0.5	<0.02	2.6
211	Soil	21.0	29.7	0.51	352.8	0.068	<1	1.37	0.009	0.07	0.2	4.1	0.07	<0.02	36	0.5	0.02	3.8
212	Soil	18.9	30.6	0.48	343.2	0.061	<1	1.41	0.013	0.05	0.2	3.9	0.07	<0.02	31	0.4	0.04	4.4
213	Soil	20.1	30.5	0.51	421.4	0.059	<1	1.55	0.011	0.05	0.2	4.4	0.08	<0.02	45	0.7	<0.02	4.6
214	Soil	21.9	29.0	0.48	392.3	0.062	<1	1.48	0.013	0.07	0.2	4.3	0.09	<0.02	54	0.3	0.02	4.1
215	Soil	21.2	28.0	0.44	331.3	0.057	<1	1.36	0.009	0.05	0.2	3.8	0.07	<0.02	32	0.7	<0.02	4.0
216	Soil	23.1	28.4	0.44	332.0	0.064	<1	1.35	0.008	0.07	0.1	3.9	0.08	<0.02	45	0.8	0.03	3.8
217	Soil	32.7	20.6	0.71	294.1	0.053	1	1.78	0.003	0.27	<0.1	3.1	0.22	<0.02	16	0.8	0.03	4.4
218	Soil	29.2	20.0	0.35	276.2	0.048	<1	1.15	0.008	0.07	0.1	3.2	0.11	<0.02	27	0.6	0.05	3.3
219	Soil	25.8	16.1	0.25	220.8	0.033	<1	0.79	0.006	0.06	0.1	2.4	0.06	<0.02	35	0.4	<0.02	2.5
220	Soil	32.3	5.0	0.04	135.6	0.008	<1	0.39	0.001	0.08	<0.1	1.0	0.06	0.04	21	0.6	<0.02	1.3
221	Soil	55.9	7.7	0.11	204.3	0.011	1	0.44	0.002	0.09	<0.1	1.3	0.11	0.03	18	0.7	<0.02	1.4
222	Soil	27.6	25.7	0.36	348.3	0.065	<1	1.40	0.011	0.09	0.1	4.1	0.10	<0.02	47	0.3	0.05	4.0
223	Soil	33.7	31.1	0.34	299.2	0.066	<1	1.56	0.006	0.13	<0.1	4.4	0.15	<0.02	84	0.3	0.02	4.6
224	Soil	27.9	36.8	0.47	416.6	0.075	<1	1.65	0.012	0.10	0.2	5.1	0.15	<0.02	56	0.2	0.02	4.8
225	Soil	22.2	26.1	0.40	308.5	0.062	<1	1.18	0.013	0.06	0.1	3.9	0.08	<0.02	40	0.3	0.02	3.7
226	Soil	21.0	25.2	0.40	320.5	0.051	2	1.15	0.017	0.06	0.2	3.6	0.08	<0.02	39	0.5	0.03	3.3
227	Soil	24.4	22.2	0.29	226.4	0.040	<1	0.89	0.008	0.09	<0.1	2.8	0.11	0.03	96	0.3	0.02	2.4
228	Soil	37.0	33.9	0.41	341.5	0.051	<1	1.10	0.010	0.08	0.1	3.6	0.14	<0.02	31	0.6	<0.02	3.4
229	Soil	21.1	31.2	0.49	362.1	0.054	2	1.28	0.016	0.11	0.2	4.0	0.18	<0.02	36	0.4	0.04	4.0



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Project: Lil Kate Daisy
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

WHI17000994.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
181	Soil	0.84	58.81	8.33	77.7	65	39.4	14.6	460	3.18	7.8	0.7	<0.2	5.4	15.3	0.02	0.35	0.19	56	0.23	0.071
REP 181	QC	0.83	60.23	8.14	81.8	60	40.8	14.7	455	3.22	8.3	0.7	<0.2	5.5	15.6	0.03	0.37	0.19	57	0.23	0.077
219	Soil	1.95	34.51	23.43	45.5	94	15.3	4.6	165	1.93	10.6	0.9	2.0	12.4	17.2	0.07	0.46	1.03	25	0.21	0.027
REP 219	QC	2.11	35.39	23.77	46.6	93	15.5	4.7	167	1.94	10.6	0.9	1.8	12.6	17.6	0.06	0.45	1.03	25	0.21	0.028
Reference Materials																					
STD DS11	Standard	14.67	153.14	137.90	344.0	1653	84.4	14.2	1037	3.12	41.3	2.5	64.4	7.3	67.0	2.31	6.90	11.74	48	1.06	0.068
STD DS11	Standard	14.10	159.15	136.83	345.6	1697	79.3	14.1	1055	3.24	44.7	2.6	70.7	7.7	67.7	2.53	7.59	12.38	49	1.07	0.074
STD OXC129	Standard	1.34	26.82	5.75	37.7	9	82.5	20.8	420	3.09	0.6	0.7	191.0	1.7	185.9	0.01	0.03	<0.02	51	0.68	0.095
STD OXC129	Standard	1.21	29.01	6.16	39.9	12	80.4	20.6	410	3.14	0.4	0.7	208.3	1.9	193.0	<0.01	0.02	0.02	51	0.65	0.103
STD OXC129 Expected		1.3	28	6.2	42.9	13	79.5	20.3	421	3.065	0.6	0.69	195	1.9		0.03	0.04		51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1710	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	<0.01	<0.01	0.01	0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



QUALITY CONTROL REPORT

WHI17000994.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
181	Soil	17.0	59.1	0.78	264.5	0.051	<1	1.78	0.005	0.09	<0.1	4.0	0.11	<0.02	11	0.2	0.06	5.1
REP 181	QC	17.1	61.2	0.79	273.0	0.052	<1	1.80	0.005	0.09	<0.1	3.8	0.11	<0.02	9	0.3	0.06	5.3
219	Soil	25.8	16.1	0.25	220.8	0.033	<1	0.79	0.006	0.06	0.1	2.4	0.06	<0.02	35	0.4	<0.02	2.5
REP 219	QC	27.2	16.5	0.25	219.6	0.034	<1	0.79	0.006	0.06	<0.1	2.4	0.05	<0.02	42	0.4	<0.02	2.3
Reference Materials																		
STD DS11	Standard	17.5	62.8	0.84	358.6	0.092	8	1.15	0.071	0.40	2.8	3.3	4.78	0.27	250	2.1	4.30	4.7
STD DS11	Standard	18.9	59.0	0.85	379.7	0.094	7	1.15	0.074	0.41	2.9	3.3	4.87	0.28	265	2.3	4.85	5.1
STD OXC129	Standard	12.0	52.6	1.57	48.7	0.403	1	1.60	0.593	0.38	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	12.5	52.9	1.57	50.4	0.398	1	1.56	0.596	0.38	<0.1	1.4	0.04	<0.02	<5	<0.1	<0.02	5.5
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655	0.08	1.1	0.03					5.5
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	6	0.2	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Client: **XyQuest Mining Corp.**
702-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 04, 2017
Report Date: April 20, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17001014.1

CLIENT JOB INFORMATION

Project: LEOTA, RST
Shipment ID:
P.O. Number
Number of Samples: 29

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: XyQuest Mining Corp.
702-889 Pender Street W
Vancouver British Columbia V6C 3B2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	29	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	29	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	29	Environmental disposal charge-Fire assay lead waste			VAN
AQ202	29	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	29	Per sample shipping charges for branch shipments			VAN
FA530	1	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. 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: LEOTA, RST
Report Date: April 20, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17001014.1

Method	WGHT	FA430	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	2	0.01	
17331	Rock	1.74	<0.005	0.1	4.1	11.8	50	<0.1	4.5	4.2	404	1.30	2.8	<0.5	15.8	18	<0.1	0.2	0.2	8	0.15
17332	Rock	1.41	<0.005	0.5	9.6	19.7	138	<0.1	13.2	7.9	866	3.46	5.0	<0.5	10.7	11	<0.1	0.2	0.5	29	0.18
17333	Rock	1.93	<0.005	0.6	2.4	5.9	11	<0.1	1.7	1.3	82	0.94	4.9	0.6	12.6	21	<0.1	0.4	0.2	<2	<0.01
17334	Rock	1.97	<0.005	0.4	3.2	2.2	14	<0.1	2.3	2.2	120	0.63	2.6	<0.5	13.6	3	<0.1	0.3	<0.1	<2	<0.01
17335	Rock	1.62	<0.005	1.1	3.6	2.7	6	<0.1	0.8	0.9	87	0.51	4.4	<0.5	11.4	5	<0.1	0.6	0.2	<2	<0.01
17336	Rock	1.46	<0.005	0.2	1.5	2.8	5	<0.1	1.1	1.8	118	0.53	3.4	0.8	10.4	9	<0.1	0.2	0.2	<2	<0.01
17337	Rock	1.40	<0.005	1.0	2.2	1.8	3	<0.1	0.7	0.4	45	0.74	1.1	<0.5	8.1	4	<0.1	<0.1	0.3	<2	<0.01
17338	Rock	1.19	<0.005	0.9	1.4	5.8	2	0.1	0.6	0.2	30	0.69	5.2	<0.5	14.5	7	<0.1	0.2	1.1	<2	<0.01
17339	Rock	1.17	<0.005	0.3	2.4	0.5	3	<0.1	1.0	0.2	45	0.65	3.1	<0.5	0.3	2	<0.1	<0.1	<0.1	<2	<0.01
17340	Rock	1.60	<0.005	0.4	3.4	1.9	3	<0.1	0.9	0.2	35	0.69	13.1	<0.5	1.7	7	<0.1	0.4	0.3	<2	<0.01
17341	Rock	1.24	<0.005	0.2	1.9	3.1	4	<0.1	1.3	0.3	48	0.47	10.1	0.8	0.4	2	<0.1	0.3	0.1	<2	<0.01
17342	Rock	1.70	<0.005	1.1	8.4	13.0	82	0.8	2.9	1.2	201	2.29	6.6	1.4	11.2	13	<0.1	0.3	0.5	14	0.04
17343	Rock	1.33	0.006	0.3	13.4	5.7	119	0.2	21.6	19.1	801	3.85	5.4	2.2	4.5	57	0.4	0.6	<0.1	34	1.28
17201	Rock	0.90	<0.005	0.1	13.3	6.6	44	<0.1	2.0	2.6	184	1.17	2.5	0.8	15.0	7	<0.1	0.4	<0.1	4	0.08
17301	Rock	0.70	>10	3.0	854.3	>10000	84	93.3	8.7	17.4	49	17.49	123.6	58161.7	0.3	16	2.2	48.2	97.9	43	0.05
1035961	Rock	0.12	0.014	25.5	271.2	20.3	442	0.8	117.9	672.4	601	>40	7.6	9.5	0.4	16	6.1	<0.1	0.4	78	0.13
17202	Rock	2.47	0.044	0.2	18.2	138.9	8	0.4	1.6	1.4	468	0.65	3.1	39.6	4.4	3	0.1	0.4	0.4	<2	0.05
17203	Rock	3.15	<0.005	1.4	8.6	7.7	28	<0.1	4.0	5.9	526	1.05	3.5	<0.5	15.9	8	0.4	0.1	0.3	3	0.12
17204	Rock	2.59	0.005	0.1	5.0	18.4	10	<0.1	1.0	1.3	196	0.75	1.9	1.3	12.3	12	<0.1	0.1	0.1	<2	0.11
17205	Rock	1.88	<0.005	0.2	11.5	17.8	34	<0.1	1.3	2.8	277	1.91	1.8	<0.5	13.4	4	<0.1	0.3	0.2	5	0.04
17207	Rock	5.38	<0.005	0.3	5.0	16.1	23	<0.1	1.5	1.8	273	0.95	3.3	1.7	7.9	3	<0.1	0.1	<0.1	2	0.03
17208	Rock	2.67	<0.005	0.4	7.5	4.6	11	<0.1	1.6	0.9	356	0.73	1.4	<0.5	1.9	2	<0.1	0.1	<0.1	<2	0.04
17209	Rock	2.14	<0.005	0.2	5.1	7.6	9	<0.1	1.1	0.6	231	0.59	1.3	2.7	4.1	2	<0.1	0.1	<0.1	<2	0.05
17210	Rock	3.38	<0.005	0.3	1.1	2.5	2	<0.1	0.6	0.2	31	0.68	1.2	<0.5	4.9	4	<0.1	<0.1	0.5	<2	<0.01
17211	Rock	3.17	<0.005	0.3	2.7	4.0	3	<0.1	1.0	0.2	47	0.71	1.1	<0.5	3.2	2	<0.1	<0.1	<0.1	<2	<0.01
17212	Rock	5.02	<0.005	0.3	3.5	1.1	4	<0.1	1.2	0.3	48	0.92	1.2	<0.5	5.1	3	<0.1	<0.1	<0.1	<2	<0.01
17246	Rock	1.41	0.009	0.9	34.8	3.1	27	<0.1	2.6	6.9	426	2.80	1.1	5.0	4.4	51	<0.1	<0.1	<0.1	52	1.31
660416	Rock	1.47	<0.005	0.1	3.9	7.8	11	<0.1	2.7	0.6	47	0.59	2.1	<0.5	3.3	5	<0.1	0.1	0.2	<2	0.05
660417	Rock	1.84	<0.005	86.6	10.1	15.1	8	0.2	3.0	0.3	42	2.14	116.4	<0.5	8.3	46	<0.1	8.8	0.2	11	0.02



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Project: LEOTA, RST
Report Date: April 20, 2018

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CERTIFICATE OF ANALYSIS

WHI17001014.1

Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	FA530
	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	Au gm/t	
17331	Rock	0.040	10	8	0.50	419	0.038	1	0.94	0.055	0.50	<0.1	<0.01	2.4	0.2	<0.05	3	<0.5	<0.2	
17332	Rock	0.055	41	26	1.79	495	0.122	1	2.21	0.021	1.13	0.1	0.01	6.3	0.5	<0.05	8	<0.5	<0.2	
17333	Rock	0.003	23	3	0.03	1339	0.002	1	0.27	0.036	0.19	<0.1	0.06	1.3	<0.1	<0.05	<1	<0.5	<0.2	
17334	Rock	0.003	11	2	0.10	137	0.003	2	0.42	0.031	0.26	<0.1	0.04	1.3	<0.1	<0.05	2	<0.5	<0.2	
17335	Rock	0.003	6	2	0.04	297	0.001	1	0.33	0.021	0.29	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2	
17336	Rock	0.008	28	2	0.03	157	0.001	1	0.24	0.058	0.15	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
17337	Rock	0.004	2	2	0.03	109	0.002	<1	0.30	0.029	0.25	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2	
17338	Rock	0.006	15	3	0.04	207	0.004	<1	0.31	0.040	0.30	<0.1	0.01	0.9	<0.1	0.11	1	<0.5	<0.2	
17339	Rock	0.005	1	3	<0.01	13	<0.001	<1	0.03	0.004	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
17340	Rock	0.006	9	3	0.01	56	0.002	<1	0.09	0.008	0.09	<0.1	0.01	0.4	<0.1	0.08	<1	<0.5	<0.2	
17341	Rock	0.003	1	3	<0.01	31	<0.001	<1	0.14	0.003	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
17342	Rock	0.043	20	9	0.70	217	0.014	<1	1.22	0.035	0.29	<0.1	0.02	3.2	0.2	<0.05	5	0.5	<0.2	
17343	Rock	0.085	34	23	1.65	119	0.010	<1	1.86	0.031	0.23	0.2	0.03	6.8	0.2	0.92	6	1.6	<0.2	
17201	Rock	0.039	47	3	0.33	487	0.015	<1	0.91	0.025	0.52	<0.1	<0.01	3.0	0.2	<0.05	3	<0.5	<0.2	
17301	Rock	0.355	3	11	0.01	36	0.002	<1	0.03	0.005	0.01	0.6	2.35	0.9	<0.1	1.09	<1	15.8	0.7	54.4
1035961	Rock	0.041	14	99	1.49	5	0.096	<1	1.75	0.024	0.72	<0.1	0.02	8.1	0.2	>10	6	24.0	<0.2	
17202	Rock	0.025	10	3	0.04	206	0.003	<1	0.26	0.009	0.19	<0.1	0.03	0.8	<0.1	<0.05	<1	<0.5	<0.2	
17203	Rock	0.049	37	4	0.12	592	0.018	<1	0.55	0.008	0.43	<0.1	0.02	1.8	0.1	0.06	2	0.6	<0.2	
17204	Rock	0.018	14	2	0.15	183	0.006	1	0.56	0.031	0.28	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2	
17205	Rock	0.010	70	3	0.46	313	0.041	1	1.18	0.029	0.40	0.2	<0.01	4.1	0.2	<0.05	5	<0.5	<0.2	
17207	Rock	0.016	6	4	0.07	177	0.005	1	0.46	0.010	0.32	<0.1	<0.01	1.8	0.1	<0.05	2	<0.5	<0.2	
17208	Rock	0.023	11	4	0.04	138	0.005	1	0.17	0.004	0.10	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2	
17209	Rock	0.022	13	3	0.06	171	0.005	<1	0.25	0.005	0.19	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2	
17210	Rock	0.002	2	2	0.03	115	0.001	<1	0.29	0.019	0.28	<0.1	<0.01	0.6	<0.1	<0.05	1	0.7	<0.2	
17211	Rock	0.002	2	3	<0.01	43	<0.001	<1	0.06	0.002	0.04	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	
17212	Rock	0.002	2	4	0.01	53	0.001	<1	0.11	0.004	0.07	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
17246	Rock	0.110	14	5	0.68	68	0.119	1	0.99	0.080	0.16	0.1	<0.01	6.2	<0.1	1.53	4	<0.5	<0.2	
660416	Rock	0.013	11	3	0.02	106	0.007	<1	0.19	0.042	0.12	<0.1	<0.01	1.3	<0.1	<0.05	<1	<0.5	<0.2	
660417	Rock	0.337	9	7	0.04	541	0.003	2	0.32	0.025	0.27	1.0	0.02	1.2	0.2	0.18	<1	19.8	<0.2	



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702-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Project: LEOTA, RST
Report Date: April 20, 2018

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QUALITY CONTROL REPORT

WHI17001014.1

Method	WGHT	FA430	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
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	2	0.01	
Pulp Duplicates																					
17334	Rock	1.97	<0.005	0.4	3.2	2.2	14	<0.1	2.3	2.2	120	0.63	2.6	<0.5	13.6	3	<0.1	0.3	<0.1	<2	<0.01
REP 17334	QC	<0.005																			
17204	Rock	2.59	0.005	0.1	5.0	18.4	10	<0.1	1.0	1.3	196	0.75	1.9	1.3	12.3	12	<0.1	0.1	0.1	<2	0.11
REP 17204	QC	0.1 5.1 19.2 10 <0.1 0.9 1.2 200 0.75 1.9 1.7 13.0 12 <0.1 0.2 0.1 <2 0.11																			
17205	Rock	1.88	<0.005	0.2	11.5	17.8	34	<0.1	1.3	2.8	277	1.91	1.8	<0.5	13.4	4	<0.1	0.3	0.2	5	0.04
REP 17205	QC	<0.005																			
Reference Materials																					
STD AGPROOF	Standard																				
STD DS11	Standard	14.5 153.8 140.5 367 1.8 79.8 14.0 1045 3.20 44.7 82.2 8.1 70 2.5 7.4 12.6 51 1.08																			
STD DS11	Standard	13.9 156.4 140.8 361 1.7 80.2 13.8 1030 3.24 46.0 106.1 7.8 68 2.5 7.8 12.3 51 1.08																			
STD OXC129	Standard	1.3 27.9 6.5 43 <0.1 80.8 20.9 429 3.12 <0.5 203.6 2.0 194 <0.1 <0.1 <0.1 54 0.66																			
STD OXC129	Standard	1.2 28.9 6.3 44 <0.1 80.5 21.4 418 3.15 <0.5 190.6 1.8 199 <0.1 <0.1 <0.1 53 0.71																			
STD OXC145	Standard	0.213																			
STD OXH139	Standard	1.362																			
STD OXN134	Standard	7.880																			
STD SP49	Standard																				
STD SQ70	Standard																				
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD OXC129 Expected		1.3 28 6.2 42.9 79.5 20.3 421 3.065 0.6 195 1.9 51 0.684																			
STD DS11 Expected		14.6 149 138 345 1.71 77.7 14.2 1055 3.1 42.8 79 7.65 67.3 2.37 8.74 12.2 50 1.063																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank																				



QUALITY CONTROL REPORT

WHI17001014.1

Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	FA530
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
MDL	0.001	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	0.9	
Pulp Duplicates																				
17334	Rock	0.003	11	2	0.10	137	0.003	2	0.42	0.031	0.26	<0.1	0.04	1.3	<0.1	<0.05	2	<0.5	<0.2	
REP 17334	QC																			
17204	Rock	0.018	14	2	0.15	183	0.006	1	0.56	0.031	0.28	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2	
REP 17204	QC	0.019	15	2	0.16	197	0.007	<1	0.56	0.030	0.28	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2	
17205	Rock	0.010	70	3	0.46	313	0.041	1	1.18	0.029	0.40	0.2	<0.01	4.1	0.2	<0.05	5	<0.5	<0.2	
REP 17205	QC																			
Reference Materials																				
STD AGPROOF	Standard																			<0.9
STD DS11	Standard	0.074	18	61	0.87	391	0.097	7	1.16	0.073	0.40	3.0	0.26	3.3	5.0	0.27	5	2.7	5.1	
STD DS11	Standard	0.071	19	59	0.85	361	0.096	8	1.16	0.072	0.40	3.0	0.27	3.2	4.8	0.28	5	2.4	4.7	
STD OXC129	Standard	0.105	13	54	1.60	54	0.405	<1	1.59	0.589	0.37	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129	Standard	0.105	13	51	1.57	53	0.399	2	1.59	0.578	0.36	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2	
STD OXC145	Standard																			
STD OXH139	Standard																			
STD OXN134	Standard																			
STD SP49	Standard																			18.3
STD SQ70	Standard																			39.2
STD OXN134 Expected																				
STD OXC145 Expected																				
STD OXH139 Expected																				
STD AGPROOF Expected																				0
STD SP49 Expected																				18.34
STD SQ70 Expected																				39.62
STD OXC129 Expected		0.102	12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5			
STD DS11 Expected		0.0701	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																			
BLK	Blank																			
BLK	Blank																			<0.9



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **XyQuest Mining Corp.**
702-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Project: LEOTA, RST
Report Date: April 20, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

WHI17001014.1

		WGHT	FA430	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		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	2	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	<2	<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	<2	<0.01
	Prep Wash																				
ROCK-WHI	Prep Blank		<0.005	1.1	4.4	1.6	39	<0.1	1.4	4.1	641	1.90	10.9	1.7	1.9	39	<0.1	0.3	0.1	21	0.95
ROCK-WHI	Prep Blank		<0.005	1.2	11.1	1.6	45	<0.1	1.5	4.2	624	1.94	8.9	2.0	1.8	56	<0.1	0.3	0.1	22	0.99



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Project: LEOTA, RST
Report Date: April 20, 2018

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI17001014.1

		AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	FA530
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
		0.001	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	0.9
BLK	Blank	<0.001	<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	<0.001	<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	
Prep Wash																				
ROCK-WHI	Prep Blank	0.040	6	3	0.54	64	0.073	4	1.26	0.072	0.10	0.1	<0.01	3.2	<0.1	0.10	5	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.040	6	3	0.55	84	0.075	3	1.36	0.086	0.11	<0.1	<0.01	3.2	<0.1	0.12	5	<0.5	<0.2	



BUREAU VERITAS MINERAL LABORATORIES
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Client: **XyQuest Goldbank**
604-889 Pender Street W
Vancouver BC V6C 3B2 CANADA

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: July 12, 2016
Report Date: August 25, 2016
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI16000108.1

CLIENT JOB INFORMATION

Project: Leota
Shipment ID:
P.O. Number
Number of Samples: 90

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	89	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ252	89	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	89	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

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

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: XyQuest Goldbank
604-889 Pender Street W
Vancouver BC V6C 3B2
CANADA

CC:



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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Client: XyQuest Goldbank
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Vancouver BC V6C 3B2 CANADA

Project: Leota
Report Date: August 25, 2016

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000108.1

Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
660431	Rock	2.07	0.11	57.17	0.44	42.0	24	54.6	21.8	513	3.15	0.4	0.1	13.1	<0.1	18.7	0.02	0.03	<0.02	73	0.63
660432	Rock	1.47	0.12	36.96	0.33	48.1	22	59.5	25.1	536	3.38	0.3	<0.1	1.3	<0.1	13.3	0.01	0.03	<0.02	77	0.51
660433	Rock	2.14	0.27	61.31	0.54	25.9	19	33.6	13.7	388	2.17	0.5	0.1	3.8	<0.1	18.7	<0.01	0.07	<0.02	58	0.59
660434	Rock	1.77	0.09	70.26	2.23	27.3	12	48.3	20.7	291	2.61	0.3	0.2	0.3	1.3	29.9	0.02	0.06	0.03	51	1.02
660435	Rock	1.95	0.10	11.52	3.30	60.1	18	88.8	22.2	587	3.69	0.3	0.2	0.3	0.4	38.1	0.06	0.04	<0.02	82	1.28
660436	Rock	1.83	0.29	28.55	3.13	33.9	20	27.3	21.2	407	2.94	1.5	0.6	<0.2	4.2	55.2	0.08	0.05	0.06	81	1.41
660437	Rock	1.57	0.19	22.51	4.88	85.3	28	32.8	32.1	834	5.57	3.4	0.6	1.4	2.4	55.0	0.19	0.10	0.04	123	1.21
660438	Rock	2.53	0.32	37.32	2.87	32.3	22	27.8	23.4	397	3.16	1.1	0.6	0.3	3.0	53.7	0.08	0.05	0.06	87	1.47
660439	Rock	1.63	0.22	3.24	39.09	9.2	21	8.3	4.5	532	1.34	1.4	1.0	0.2	4.2	90.5	0.14	0.13	0.06	17	4.43
660440	Rock	1.77	0.26	73.99	3.56	36.6	18	51.2	18.5	525	3.85	2.7	2.0	1.0	21.4	12.3	0.03	0.06	0.22	29	0.16
660441	Rock	2.16	0.34	37.47	16.70	14.7	20	30.4	12.6	208	1.47	3.4	0.7	<0.2	5.8	133.7	0.04	0.10	0.14	17	0.95
660442	Rock	1.40	0.27	60.67	1.67	51.4	10	34.3	18.8	422	3.66	1.6	1.7	0.8	16.9	28.5	0.04	0.02	0.06	25	0.29
660443	Rock	2.07	0.43	7.36	0.60	5.1	10	6.7	2.6	140	0.66	0.3	<0.1	<0.2	0.1	3.5	<0.01	0.07	<0.02	6	0.07
660444	Rock	1.98	0.25	12.90	3.93	3.3	15	3.2	2.1	119	0.58	0.3	1.5	<0.2	16.5	20.8	0.01	0.08	0.04	4	0.12
660445	Rock	2.67	0.25	16.17	3.52	4.1	11	4.4	2.1	79	0.57	0.4	1.9	0.4	15.1	34.2	0.02	0.03	0.03	6	0.24
660446	Rock	1.74	0.59	17.96	1.62	35.4	7	25.9	8.0	2964	3.20	0.4	0.2	<0.2	0.7	128.8	0.14	0.05	<0.02	15	9.91



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Client: XyQuest Goldbank
604-889 Pender Street W
Vancouver BC V6C 3B2 CANADA

Project: Leota
Report Date: August 25, 2016

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI16000108.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1

660431	Rock	0.011	<0.5	178.6	3.16	103.3	0.119	<1	3.00	0.070	0.15	<0.1	6.9	0.04	<0.02	5	<0.1	<0.02	5.9
660432	Rock	0.010	<0.5	202.7	3.47	131.6	0.119	<1	3.25	0.064	0.20	<0.1	6.1	0.04	<0.02	6	<0.1	<0.02	5.9
660433	Rock	0.032	<0.5	78.8	1.94	88.3	0.132	<1	2.04	0.074	0.13	<0.1	7.8	0.04	<0.02	5	<0.1	<0.02	3.7
660434	Rock	0.059	2.6	90.7	1.74	53.0	0.202	<1	1.95	0.141	0.09	<0.1	5.7	0.04	<0.02	<5	<0.1	<0.02	4.9
660435	Rock	0.085	2.8	166.2	2.04	322.9	0.250	<1	2.41	0.165	0.59	<0.1	9.1	0.21	<0.02	<5	<0.1	<0.02	8.6
660436	Rock	0.102	12.2	40.9	0.90	45.5	0.205	<1	1.29	0.214	0.06	<0.1	8.2	0.03	<0.02	<5	<0.1	<0.02	5.2
660437	Rock	0.150	10.3	132.8	1.96	331.9	0.228	<1	3.25	0.046	0.37	<0.1	16.2	0.14	<0.02	13	<0.1	<0.02	11.4
660438	Rock	0.114	9.9	33.4	0.90	48.3	0.206	<1	1.25	0.195	0.07	<0.1	9.0	0.03	<0.02	<5	<0.1	<0.02	5.1
660439	Rock	0.045	8.9	17.8	0.21	73.4	0.090	<1	1.81	0.023	0.01	0.2	2.6	<0.02	<0.02	<5	<0.1	<0.02	4.8
660440	Rock	0.050	54.9	37.8	1.68	129.1	0.012	3	2.57	0.068	0.36	<0.1	4.7	0.04	<0.02	<5	<0.1	0.04	7.8
660441	Rock	0.046	9.8	21.2	0.20	23.7	0.126	2	0.98	0.054	0.08	<0.1	1.7	0.03	<0.02	<5	<0.1	0.05	3.2
660442	Rock	0.067	37.8	32.1	0.96	98.1	0.028	2	2.39	0.052	0.47	<0.1	4.9	0.13	<0.02	<5	<0.1	0.03	5.9
660443	Rock	0.004	<0.5	36.7	0.13	9.3	0.022	1	0.18	0.012	0.02	<0.1	0.7	<0.02	<0.02	<5	<0.1	<0.02	0.6
660444	Rock	0.022	15.9	11.9	0.06	37.2	0.007	<1	0.40	0.133	0.12	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	1.7
660445	Rock	0.027	14.6	11.9	0.10	44.7	0.041	<1	0.51	0.138	0.13	<0.1	1.5	0.03	<0.02	10	<0.1	<0.02	2.2
660446	Rock	0.062	5.2	21.0	2.82	31.4	0.005	<1	0.62	0.003	0.08	<0.1	4.3	<0.02	<0.02	<5	<0.1	<0.02	1.7



Bureau Veritas Commodities Canada Ltd.

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Project: Leota
Report Date: August 25, 2016

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000108.1

Method Analyte	Unit	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
660447	Rock	2.33	0.10	8.53	1.02	103.3	5	82.5	30.6	983	7.36	0.3	0.2	<0.2	1.0	12.6	<0.01	<0.02	<0.02	186	0.20	
660448	Rock	2.65	0.41	6.82	3.75	7.8	30	6.8	2.0	182	0.59	5.7	0.3	1.7	0.3	1.6	0.04	0.07	0.07	4	<0.01	
660449	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
660450	Rock	1.81	1.24	107.08	5.58	79.8	134	39.8	10.4	694	2.50	0.5	2.0	1.0	8.2	18.2	0.15	0.05	0.16	25	0.47	
17351	Rock	2.11	1.18	68.33	5.46	46.2	124	15.1	4.9	1006	2.04	0.4	0.8	0.8	5.1	24.8	0.07	0.04	0.19	19	0.60	
17352	Rock	2.36	1.73	72.46	8.40	45.0	162	17.8	5.1	1025	1.54	0.9	0.6	0.8	4.5	34.1	0.11	0.03	0.26	18	0.69	
17353	Rock	2.03	1.49	66.94	6.30	78.2	137	42.0	10.8	793	2.60	2.0	1.3	<0.2	8.1	24.1	0.08	0.05	0.13	22	0.64	
17354	Rock	2.11	1.53	64.97	7.07	81.6	156	37.1	9.6	629	2.58	0.7	1.3	0.9	7.4	18.4	0.07	0.07	0.18	21	0.29	
17355	Rock	1.80	0.92	78.92	4.06	62.8	105	28.4	7.9	928	2.53	0.1	1.1	0.2	7.4	26.1	0.06	0.03	0.11	17	0.59	
17356	Rock	2.01	0.75	70.22	8.58	66.7	132	29.5	8.7	1068	2.41	0.6	0.8	0.6	5.6	38.2	0.07	0.04	0.21	19	0.73	
17357	Rock	2.80	2.34	19.80	1.66	58.0	26	87.1	26.3	1538	4.29	1.2	0.3	1.3	1.5	451.3	0.12	0.39	<0.02	135	12.86	
17358	Rock	2.08	0.28	63.20	1.89	58.9	33	84.9	29.2	913	3.99	0.7	0.4	3.9	2.2	163.4	0.08	0.17	<0.02	107	4.74	
17359	Rock	3.26	0.24	60.89	3.48	79.6	80	55.8	25.6	2366	4.80	1.6	1.6	87.3	3.4	241.6	0.08	0.11	0.04	71	8.92	
17360	Rock	2.19	0.07	92.77	2.05	114.2	99	118.5	39.4	1018	5.06	0.7	0.3	45.6	1.1	78.0	0.05	0.05	0.04	101	1.94	
17361	Rock	1.57	0.19	66.18	1.74	40.5	61	27.4	12.9	1472	1.81	0.1	1.7	68.9	2.9	80.7	0.04	0.06	0.03	27	2.61	
17362	Rock	2.37	0.21	18.02	0.81	35.2	26	303.0	21.6	815	2.20	5.5	0.2	<0.2	1.6	34.0	0.07	0.04	<0.02	40	1.57	
17363	Rock	3.39	0.70	288.89	2.40	49.9	431	164.7	23.9	765	4.03	22.8	0.3	1.0	6.4	115.8	0.07	0.11	0.02	141	2.41	
17364	Rock	2.07	0.62	69.93	28.18	106.7	277	180.8	18.9	1228	3.88	74.8	0.7	1.1	8.1	54.5	0.18	0.16	0.34	57	0.69	
17365	Rock	1.97	0.17	3.80	3.46	49.0	48	962.9	67.2	1486	3.51	432.7	0.1	0.8	0.3	290.1	0.29	0.77	0.04	64	8.30	
17366	Rock	1.57	0.74	55.97	4.39	92.7	95	69.0	24.6	1564	4.80	39.7	0.3	0.8	2.2	109.1	0.17	0.13	0.03	116	3.30	
17367	Rock	1.68	0.38	4.93	1.05	6.5	18	5.5	1.0	54	0.57	1.1	0.4	<0.2	0.7	4.7	0.03	0.06	<0.02	3	0.03	
17368	Rock	2.40	0.27	82.16	1.16	82.1	39	81.5	35.9	1309	5.42	1.0	0.4	2.1	0.3	24.7	0.10	0.05	<0.02	147	0.65	
17369	Rock	1.33	0.23	84.01	1.12	91.5	36	99.8	36.8	1190	5.96	1.2	0.6	2.6	0.3	22.2	0.08	0.04	<0.02	161	0.64	
17370	Rock	2.25	0.13	43.69	2.57	87.7	33	130.5	33.6	1158	5.22	0.8	1.0	1.2	3.4	42.7	0.10	0.04	<0.02	119	1.07	
17371	Rock	1.71	0.04	11.25	0.93	77.7	23	118.8	29.8	803	4.50	0.4	0.7	<0.2	3.5	44.7	0.10	0.03	<0.02	88	1.24	
17372	Rock	1.73	0.11	12.46	1.83	87.9	29	112.1	32.2	989	5.13	0.4	0.4	<0.2	1.7	31.6	0.09	0.04	<0.02	117	0.81	
17373	Rock	1.62	0.05	16.61	1.62	87.1	32	123.6	33.9	946	4.67	0.3	0.7	0.9	3.0	41.4	0.10	0.05	0.04	99	1.13	
17374	Rock	1.96	0.34	54.24	4.40	60.7	34	52.3	15.5	763	2.79	0.5	0.7	0.4	4.8	14.3	0.07	0.06	0.07	51	0.29	
17375	Rock	1.58	0.50	93.79	3.85	70.1	24	61.4	19.3	975	3.44	2.6	1.1	1.5	7.2	13.8	<0.01	0.07	0.09	67	0.29	
17376	Rock	1.82	0.21	88.82	4.32	117.7	59	105.0	34.8	1698	5.20	2.0	0.8	3.4	2.4	31.9	0.17	0.07	0.03	143	0.78	

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



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Project: Leota
Report Date: August 25, 2016

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI16000108.1

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	TI	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
660447	Rock	0.053	5.1	272.6	5.41	707.7	0.180	<1	5.66	0.052	1.50	<0.1	16.8	0.11	<0.02	<5	<0.1	<0.02	18.7
660448	Rock	0.002	1.8	33.1	0.03	49.4	0.003	<1	0.10	0.003	0.05	<0.1	0.4	0.02	<0.02	<5	<0.1	<0.02	0.4
660449	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
660450	Rock	0.033	28.3	20.1	0.49	231.8	0.003	2	0.93	0.010	0.25	<0.1	3.0	0.10	0.65	<5	0.7	0.04	2.6
17351	Rock	0.027	15.5	16.3	0.60	422.3	0.004	2	0.69	0.008	0.21	<0.1	2.2	0.06	0.17	<5	0.2	0.05	2.2
17352	Rock	0.020	15.8	11.6	0.53	445.5	0.006	1	0.62	0.008	0.22	0.3	1.7	0.09	0.14	<5	0.2	0.05	1.8
17353	Rock	0.044	23.7	15.1	0.37	289.8	0.001	1	0.67	0.005	0.20	<0.1	2.5	0.14	0.47	<5	0.3	0.04	2.1
17354	Rock	0.038	21.9	13.5	0.25	384.2	0.001	<1	0.59	0.006	0.21	<0.1	2.5	0.19	0.13	<5	0.2	0.07	2.1
17355	Rock	0.037	18.2	12.1	0.56	389.2	0.002	2	0.59	0.007	0.18	<0.1	1.8	0.09	0.35	<5	0.2	0.03	1.9
17356	Rock	0.025	15.4	13.8	0.67	246.6	0.003	2	0.77	0.009	0.18	<0.1	2.0	0.09	0.49	<5	0.4	0.05	2.4
17357	Rock	0.046	13.2	206.7	2.99	236.6	0.062	<1	2.83	0.021	0.45	<0.1	20.7	0.27	0.18	42	<0.1	<0.02	7.5
17358	Rock	0.076	12.4	133.5	2.36	360.6	0.086	<1	2.44	0.023	0.93	<0.1	13.7	0.09	0.06	6	<0.1	<0.02	5.9
17359	Rock	0.128	15.7	72.4	4.00	242.9	0.009	7	1.42	0.015	0.23	<0.1	9.6	0.09	0.03	6	<0.1	0.02	3.3
17360	Rock	0.094	6.1	146.6	2.90	723.9	0.110	<1	3.18	0.024	1.12	<0.1	11.2	0.12	<0.02	<5	<0.1	0.04	7.2
17361	Rock	0.029	15.3	11.8	1.23	246.9	0.040	<1	0.72	0.011	0.42	<0.1	6.3	0.07	<0.02	<5	<0.1	0.04	1.9
17362	Rock	0.012	5.1	492.7	2.75	256.0	0.047	<1	1.45	0.022	0.09	<0.1	4.2	<0.02	<0.02	6	<0.1	<0.02	4.5
17363	Rock	0.134	23.8	299.1	3.85	192.5	0.016	<1	2.96	0.063	0.08	<0.1	13.9	<0.02	0.04	<5	<0.1	<0.02	9.2
17364	Rock	0.065	25.0	275.5	2.34	405.9	0.002	2	2.32	0.004	0.25	<0.1	6.8	0.11	<0.02	14	0.1	0.04	5.6
17365	Rock	0.013	1.1	1151.9	6.95	93.9	0.003	<1	1.60	0.002	<0.01	<0.1	9.9	0.02	0.15	<5	0.2	0.06	3.8
17366	Rock	0.072	6.4	83.3	2.55	264.2	0.009	2	2.31	0.056	0.15	<0.1	16.8	0.04	0.26	8	0.3	<0.02	7.3
17367	Rock	0.004	3.3	7.9	0.04	42.7	<0.001	<1	0.18	0.004	0.02	<0.1	0.5	<0.02	<0.02	<5	<0.1	<0.02	0.6
17368	Rock	0.080	1.6	159.2	2.93	778.2	0.226	<1	3.32	0.027	0.73	<0.1	9.2	0.10	<0.02	<5	<0.1	0.02	8.6
17369	Rock	0.102	1.6	200.3	3.28	704.0	0.165	<1	3.51	0.018	0.55	<0.1	13.3	0.08	<0.02	<5	<0.1	0.03	9.8
17370	Rock	0.286	18.1	200.0	3.28	407.6	0.158	<1	3.71	0.007	0.53	<0.1	14.6	0.11	<0.02	5	<0.1	<0.02	9.1
17371	Rock	0.337	22.0	184.1	2.91	371.9	0.158	<1	3.39	0.007	0.42	<0.1	8.3	0.06	<0.02	5	<0.1	<0.02	8.2
17372	Rock	0.177	10.2	158.2	3.22	587.9	0.224	<1	3.72	0.015	1.02	<0.1	10.6	0.18	<0.02	<5	<0.1	<0.02	9.1
17373	Rock	0.297	21.2	169.9	3.05	439.5	0.184	1	3.45	0.007	0.72	<0.1	9.7	0.13	<0.02	<5	<0.1	0.04	9.4
17374	Rock	0.063	17.4	48.9	1.23	489.3	0.123	2	1.80	0.009	0.80	<0.1	6.0	0.19	<0.02	<5	<0.1	0.03	4.6
17375	Rock	0.062	18.2	44.4	1.23	542.8	0.142	2	1.88	0.016	0.91	<0.1	6.3	0.25	<0.02	<5	<0.1	0.14	5.5
17376	Rock	0.154	11.9	184.7	2.81	604.3	0.237	1	3.42	0.033	1.02	<0.1	13.3	0.21	<0.02	<5	0.3	0.08	9.8



BUREAU VERITAS MINERAL LABORATORIES
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Project: Leota
Report Date: August 25, 2016

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000108.1

Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
17377	Rock	1.72	1.27	19.93	67.90	313.2	54	41.1	14.7	799	1.73	8.8	1.5	1.1	30.4	24.6	0.39	0.14	0.15	23	0.28
17378	Rock	1.73	1.61	113.25	1.88	78.8	45	145.2	19.9	2561	3.67	4.1	1.4	3.5	5.0	13.5	0.28	0.10	0.03	80	0.26
17379	Rock	2.20	1.71	88.72	1.48	36.9	54	113.9	9.6	1831	2.00	2.0	0.7	4.5	4.4	6.7	0.26	0.09	<0.02	38	0.10
17380	Rock	1.33	0.92	51.72	2.72	61.1	33	78.1	14.9	1121	2.90	3.1	0.6	1.7	4.0	11.9	0.22	0.08	0.04	74	0.21
17381	Rock	1.15	0.75	66.30	2.78	52.6	35	69.0	15.4	786	2.38	3.2	0.4	1.6	4.0	10.5	0.14	0.08	0.04	58	0.20
17382	Rock	1.36	1.01	52.74	4.94	99.6	62	117.2	28.1	1626	4.66	1.7	0.8	0.3	4.4	24.2	0.59	0.13	0.06	128	0.46
17383	Rock	1.75	0.50	72.79	5.46	87.9	42	112.7	28.1	1504	4.32	1.6	0.8	8.7	5.0	27.8	0.20	0.11	0.09	94	0.57
17384	Rock	1.95	0.36	66.49	5.19	96.5	53	142.3	33.1	1626	5.04	2.1	0.8	2.2	4.3	29.0	0.24	0.10	0.07	107	0.55
17385	Rock	2.25	2.92	78.07	3.40	76.4	95	151.5	24.2	3399	4.77	3.8	0.8	51.4	4.0	21.2	0.44	0.15	0.08	109	0.41
17386	Rock	1.89	0.59	7.39	3.79	9.5	20	4.0	0.9	74	0.69	1.0	0.6	<0.2	3.5	2.3	<0.01	0.54	0.06	3	0.01
17387	Rock	1.45	1.72	4.37	4.46	6.2	46	2.4	1.0	54	0.80	0.3	0.9	1.2	8.6	3.7	<0.01	0.06	0.34	<2	0.02
17388	Rock	2.63	1.00	8.26	3.60	18.0	169	2.4	1.1	45	1.04	0.6	0.8	<0.2	6.9	1.6	0.04	0.07	0.84	<2	<0.01
17389	Rock	1.67	2.66	12.32	8.11	31.0	26	3.1	1.2	91	1.79	1.3	2.9	<0.2	20.9	3.5	0.03	0.08	0.91	<2	<0.01
17390	Rock	1.77	7.16	17.16	56.77	51.8	198	3.4	1.1	149	3.91	1.8	11.6	1.3	17.0	1.1	0.12	0.77	0.57	<2	<0.01
17391	Rock	1.49	2.94	6.60	13.77	10.1	93	2.1	0.5	70	1.29	1.3	1.2	0.9	9.7	2.2	<0.01	0.84	1.29	<2	<0.01
17392	Rock	1.82	0.55	4.20	7.84	24.3	22	2.2	2.1	255	1.38	0.6	1.8	0.4	15.3	2.7	0.04	0.12	0.11	<2	0.01
17393	Rock	1.37	0.55	4.88	2.66	13.6	10	2.4	1.0	215	0.94	<0.1	1.1	<0.2	3.3	0.9	0.03	0.07	0.04	<2	<0.01
17394	Rock	1.09	0.66	24.34	2.56	73.4	16	36.3	25.1	584	4.14	0.8	1.8	<0.2	8.6	32.1	0.10	0.15	0.06	57	0.62
17395	Rock	1.10	0.53	24.61	7.01	41.8	18	39.7	18.9	386	3.28	0.7	1.7	0.8	15.4	29.7	0.06	0.27	0.11	26	0.40
17396	Rock	1.35	0.77	42.10	10.81	75.0	41	59.2	19.3	297	4.18	2.1	2.1	0.6	15.3	16.3	0.09	0.54	0.24	39	0.29
17397	Rock	0.89	1.00	29.43	20.89	56.0	34	49.3	21.6	459	3.80	4.5	2.8	5.1	15.3	19.0	0.08	0.82	0.25	58	0.36
17398	Rock	1.65	0.39	47.75	5.84	82.0	60	33.8	23.4	497	3.73	2.1	1.9	0.7	5.4	46.1	0.09	0.22	0.11	51	0.79
17399	Rock	1.10	0.45	20.47	6.36	43.8	61	59.9	22.4	1522	3.92	6.9	2.2	0.6	6.2	12.8	0.24	0.31	0.12	62	0.24
17400	Rock	1.21	25.79	108.84	157.42	105.3	1447	55.2	17.4	476	3.20	<0.1	2.9	<0.2	7.7	17.9	2.14	0.11	1.96	20	0.47
1035997	Rock	1.21	8.84	23.35	11.23	58.8	215	38.0	8.0	546	2.25	7.0	1.0	0.5	5.9	109.9	0.22	0.11	0.11	40	3.56
1035998	Rock	0.85	11.12	54.47	8.11	135.6	218	53.4	10.7	766	2.30	<0.1	1.4	0.6	5.0	34.2	0.46	0.10	0.13	50	1.46
1035999	Rock	1.82	39.15	260.35	18.17	86.2	237	74.9	27.7	586	2.87	<0.1	1.9	<0.2	9.0	166.1	0.57	0.11	0.20	76	3.22
660428	Rock	1.77	1.79	68.53	6.55	77.8	112	129.0	37.2	917	5.15	5.5	7.3	1.9	1.3	52.8	0.48	0.60	0.04	156	0.94
660412	Rock	2.50	3.91	122.74	14.38	40.9	582	5.5	5.6	862	2.89	1.1	1.0	2.8	5.9	52.7	0.24	0.08	0.95	8	1.65
662412	Rock	1.61	1.61	51.79	3.87	56.9	205	27.1	8.9	1347	3.15	36.7	1.1	<0.2	6.7	105.1	0.49	0.10	0.04	9	3.70

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



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Project: Leota
Report Date: August 25, 2016

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CERTIFICATE OF ANALYSIS

WHI16000108.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	TI	S	Hg	Se	Te	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
17377	Rock	0.092	87.5	13.4	0.16	456.2	0.007	2	0.95	0.027	0.41	<0.1	2.1	0.19	<0.02	<5	<0.1	0.03	2.5
17378	Rock	0.043	22.5	77.3	1.41	781.4	0.105	1	2.20	0.010	0.41	<0.1	6.5	0.07	<0.02	<5	<0.1	0.04	7.0
17379	Rock	0.021	16.8	32.5	0.50	649.6	0.013	2	1.02	0.006	0.29	<0.1	3.9	0.04	<0.02	<5	<0.1	0.10	3.2
17380	Rock	0.072	13.6	74.8	1.01	645.8	0.015	2	1.58	0.018	0.29	<0.1	5.5	0.02	<0.02	<5	<0.1	0.03	5.6
17381	Rock	0.072	15.8	61.9	0.85	571.4	0.007	<1	1.33	0.008	0.22	<0.1	4.5	0.02	<0.02	<5	<0.1	0.04	4.7
17382	Rock	0.170	26.5	161.7	1.88	931.4	0.011	<1	2.87	0.017	0.35	<0.1	11.4	0.03	<0.02	<5	<0.1	0.05	10.2
17383	Rock	0.188	24.5	88.0	1.86	930.9	0.148	<1	2.57	0.008	1.04	<0.1	6.9	0.17	<0.02	<5	<0.1	0.03	7.0
17384	Rock	0.169	22.3	130.3	2.36	1041.4	0.177	<1	3.06	0.008	1.34	<0.1	9.1	0.22	<0.02	<5	<0.1	0.05	8.0
17385	Rock	0.136	21.1	122.2	1.65	869.7	0.090	2	2.65	0.014	0.63	<0.1	8.6	0.11	<0.02	<5	0.4	0.08	8.1
17386	Rock	0.004	4.3	7.4	0.03	166.1	0.005	1	0.11	0.003	0.04	<0.1	0.3	<0.02	<0.02	6	<0.1	<0.02	0.4
17387	Rock	0.006	45.6	6.1	0.05	301.2	0.001	<1	0.55	0.023	0.23	2.4	1.1	0.04	<0.02	<5	<0.1	<0.02	1.5
17388	Rock	0.005	18.4	17.4	0.03	163.6	0.001	<1	0.34	0.017	0.16	<0.1	1.2	0.03	<0.02	<5	<0.1	<0.02	1.0
17389	Rock	0.009	31.7	5.9	0.08	289.5	0.004	<1	0.79	0.019	0.29	0.1	1.6	0.08	0.03	5	<0.1	<0.02	2.2
17390	Rock	0.022	18.8	19.6	0.01	88.0	0.001	<1	0.26	0.003	0.09	<0.1	1.1	<0.02	<0.02	19	0.3	<0.02	0.6
17391	Rock	0.006	24.8	5.4	0.05	205.3	0.001	1	0.67	0.031	0.28	<0.1	0.9	0.06	<0.02	8	<0.1	0.07	1.8
17392	Rock	0.009	55.3	5.3	0.06	341.0	0.003	<1	0.70	0.010	0.35	0.2	1.4	0.08	<0.02	<5	<0.1	<0.02	1.8
17393	Rock	0.004	16.3	20.3	0.02	120.6	0.001	<1	0.25	0.004	0.11	0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	0.9
17394	Rock	0.064	28.7	98.5	1.76	428.4	0.177	<1	2.73	0.036	0.85	<0.1	7.3	0.28	<0.02	<5	<0.1	<0.02	8.0
17395	Rock	0.053	52.0	37.4	1.15	288.2	0.016	4	2.30	0.032	0.50	<0.1	4.3	0.17	<0.02	<5	<0.1	0.02	7.8
17396	Rock	0.040	58.1	66.6	1.28	319.0	0.006	4	2.51	0.018	0.43	<0.1	4.1	0.14	<0.02	<5	<0.1	0.04	10.0
17397	Rock	0.057	59.8	49.5	1.05	327.1	0.002	3	2.37	0.022	0.46	<0.1	5.3	0.13	<0.02	7	<0.1	<0.02	8.4
17398	Rock	0.085	18.5	41.4	1.51	182.0	0.128	3	2.29	0.027	0.48	<0.1	6.4	0.25	<0.02	<5	<0.1	<0.02	6.5
17399	Rock	0.030	18.6	79.4	1.51	187.5	0.006	1	1.87	0.040	0.08	<0.1	8.2	0.09	<0.02	5	<0.1	<0.02	6.9
17400	Rock	0.087	22.4	16.7	0.41	53.7	0.003	<1	0.71	0.016	0.20	0.4	1.5	0.09	2.22	9	13.4	0.06	1.8
1035997	Rock	0.067	12.3	34.5	1.08	138.3	0.053	1	1.60	0.006	0.22	<0.1	3.7	0.08	<0.02	5	1.9	0.06	4.6
1035998	Rock	0.054	15.4	38.8	1.52	133.2	0.065	<1	1.67	0.005	0.21	0.2	4.5	0.08	0.19	<5	2.8	<0.02	4.6
1035999	Rock	0.073	24.4	42.2	1.41	43.7	0.240	2	2.63	0.006	0.10	0.3	5.7	0.05	0.35	<5	1.9	0.03	7.1
660428	Rock	0.130	3.7	372.1	2.64	1257.7	0.167	<1	3.11	0.026	0.61	<0.1	16.7	0.42	<0.02	6	0.1	<0.02	9.3
660412	Rock	0.028	13.1	17.7	2.40	220.7	0.022	<1	1.78	0.061	0.25	<0.1	3.6	0.10	0.49	<5	2.1	0.03	5.3
662412	Rock	0.047	12.5	34.8	1.66	64.2	0.002	<1	0.32	0.097	0.03	<0.1	2.1	0.03	0.55	21	6.8	0.03	1.1



QUALITY CONTROL REPORT

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Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
662422	Rock	1.01	0.44	11.73	5.75	17.7	21	5.1	4.6	97	1.03	1.7	1.8	0.3	24.3	2.0	0.01	0.05	0.04	4	<0.01
REP 662422	QC		0.43	11.92	5.78	17.9	19	4.9	4.7	98	1.02	1.7	1.9	<0.2	25.2	2.0	0.01	0.05	0.03	4	<0.01
660447	Rock	2.33	0.10	8.53	1.02	103.3	5	82.5	30.6	983	7.36	0.3	0.2	<0.2	1.0	12.6	<0.01	<0.02	<0.02	186	0.20
REP 660447	QC		0.10	8.20	1.02	106.4	3	81.8	30.4	998	7.25	0.2	0.2	0.3	0.9	12.8	<0.01	<0.02	<0.02	183	0.20
17380	Rock	1.33	0.92	51.72	2.72	61.1	33	78.1	14.9	1121	2.90	3.1	0.6	1.7	4.0	11.9	0.22	0.08	0.04	74	0.21
REP 17380	QC		0.93	51.29	2.63	59.9	41	80.9	15.4	1127	2.87	3.3	0.6	4.1	4.0	11.5	0.17	0.07	0.03	73	0.21
662412	Rock	1.61	1.61	51.79	3.87	56.9	205	27.1	8.9	1347	3.15	36.7	1.1	<0.2	6.7	105.1	0.49	0.10	0.04	9	3.70
REP 662412	QC		1.57	51.14	4.00	55.8	221	27.2	9.4	1338	3.13	35.5	1.1	<0.2	6.7	103.7	0.48	0.10	0.04	9	3.69
Core Reject Duplicates																					
17383	Rock	1.75	0.50	72.79	5.46	87.9	42	112.7	28.1	1504	4.32	1.6	0.8	8.7	5.0	27.8	0.20	0.11	0.09	94	0.57
DUP 17383	QC		0.45	72.18	5.22	93.4	46	113.6	28.8	1508	4.36	2.0	0.8	3.9	4.9	29.0	0.25	0.10	0.09	99	0.59
Reference Materials																					
STD DS10	Standard		15.39	163.06	154.59	365.3	1754	81.6	13.6	919	2.82	43.4	2.6	70.9	7.2	69.6	2.49	8.34	12.10	45	1.10
STD DS10	Standard		16.19	153.95	151.21	372.1	1694	77.0	14.9	948	2.87	44.2	2.7	76.3	7.7	68.3	2.51	8.53	12.43	46	1.13
STD DS10	Standard		14.90	152.66	146.47	346.0	1763	74.1	12.5	874	2.75	43.6	2.7	78.3	7.7	68.8	2.59	7.84	12.13	44	1.08
STD DS10	Standard		14.69	157.30	150.45	365.1	1927	73.8	13.2	866	2.79	45.5	2.7	87.9	7.8	68.7	2.74	8.31	12.58	43	1.10
STD OXC129	Standard		1.33	30.80	6.68	45.2	14	85.3	21.2	450	3.01	0.1	0.7	194.8	1.9	187.5	0.03	0.04	<0.02	52	0.66
STD OXC129	Standard		1.21	29.80	6.16	44.0	19	79.6	22.6	442	3.03	<0.1	0.7	190.2	1.7	183.9	0.05	0.03	<0.02	51	0.65
STD OXC129	Standard		1.28	27.01	6.33	40.8	13	76.5	19.6	415	3.03	0.5	0.7	186.7	1.9	187.3	0.03	0.03	<0.02	52	0.65
STD OXC129	Standard		1.27	28.01	6.30	41.1	22	77.4	20.8	416	3.08	0.6	0.7	193.6	1.9	188.9	0.02	0.03	<0.02	51	0.66
STD DS10 Expected			15.1	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OXC129 Expected			1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665
BLK	Blank		<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	0.2	5	0.2	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	0.2	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		0.71	5.56	1.76	31.9	24	1.4	3.8	437	1.79	2.9	0.5	<0.2	2.5	33.4	0.03	0.06	<0.02	23	0.69



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Project: Leota
Report Date: August 25, 2016

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QUALITY CONTROL REPORT

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Method		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																			
662422	Rock	0.010	42.2	10.7	0.08	128.5	0.013	2	0.63	0.007	0.55	0.1	0.9	0.14	<0.02	<5	<0.1	<0.02	1.4
REP 662422	QC	0.010	42.0	10.5	0.08	127.6	0.013	2	0.62	0.007	0.55	0.1	0.9	0.13	<0.02	<5	<0.1	<0.02	1.4
660447	Rock	0.053	5.1	272.6	5.41	707.7	0.180	<1	5.66	0.052	1.50	<0.1	16.8	0.11	<0.02	<5	<0.1	<0.02	18.7
REP 660447	QC	0.054	5.2	269.3	5.37	703.4	0.182	<1	5.65	0.049	1.49	<0.1	16.6	0.12	<0.02	<5	<0.1	<0.02	19.1
17380	Rock	0.072	13.6	74.8	1.01	645.8	0.015	2	1.58	0.018	0.29	<0.1	5.5	0.02	<0.02	<5	<0.1	0.03	5.6
REP 17380	QC	0.067	13.9	73.7	1.01	642.3	0.016	1	1.60	0.018	0.29	<0.1	5.5	0.03	<0.02	7	<0.1	0.06	5.6
662412	Rock	0.047	12.5	34.8	1.66	64.2	0.002	<1	0.32	0.097	0.03	<0.1	2.1	0.03	0.55	21	6.8	0.03	1.1
REP 662412	QC	0.047	12.6	34.8	1.66	65.4	0.002	<1	0.32	0.096	0.03	<0.1	2.2	0.03	0.55	20	6.5	<0.02	1.0
Core Reject Duplicates																			
17383	Rock	0.188	24.5	88.0	1.86	930.9	0.148	<1	2.57	0.008	1.04	<0.1	6.9	0.17	<0.02	<5	<0.1	0.03	7.0
DUP 17383	QC	0.196	25.5	92.2	1.90	1006.2	0.169	1	2.71	0.009	1.08	<0.1	7.5	0.18	<0.02	<5	0.1	0.02	7.5
Reference Materials																			
STD DS10	Standard	0.076	18.8	58.9	0.80	351.9	0.083	6	1.09	0.074	0.34	2.9	3.1	5.11	0.29	286	2.3	4.97	4.1
STD DS10	Standard	0.072	18.7	61.0	0.79	356.3	0.087	8	1.10	0.076	0.35	3.3	3.1	5.14	0.29	252	2.3	5.19	5.0
STD DS10	Standard	0.074	18.9	54.3	0.78	345.0	0.086	8	1.09	0.073	0.34	3.1	3.0	5.01	0.28	264	2.1	4.74	4.2
STD DS10	Standard	0.077	18.0	55.4	0.79	347.8	0.082	7	1.08	0.068	0.33	3.2	3.2	5.10	0.28	295	2.2	4.70	4.4
STD OXC129	Standard	0.095	13.2	54.6	1.52	52.4	0.416	1	1.57	0.600	0.36	<0.1	1.2	0.04	<0.02	7	<0.1	<0.02	5.5
STD OXC129	Standard	0.091	11.9	55.3	1.54	47.5	0.400	1	1.57	0.595	0.37	<0.1	1.2	0.03	<0.02	<5	<0.1	0.07	5.7
STD OXC129	Standard	0.092	12.6	51.1	1.55	48.9	0.384	1	1.59	0.598	0.37	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	0.105	12.4	51.8	1.56	50.3	0.389	1	1.58	0.602	0.36	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.2
STD DS10 Expected		0.0765	17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	3	5.1	0.29	300	2.3	5.01	4.5
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	0.3
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	0.6	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
Prep Wash																			
ROCK-WHI	Prep Blank	0.042	6.4	9.4	0.43	76.6	0.094	<1	1.09	0.135	0.12	0.1	3.1	<0.02	<0.02	<5	<0.1	<0.02	4.1



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Project: Leota
Report Date: August 25, 2016

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QUALITY CONTROL REPORT

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WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
ROCK-WHI	Prep Blank	0.72	4.61	1.52	32.9	14	1.6	3.8	439	1.81	1.3	0.5	0.3	2.4	34.3	0.03	0.04	<0.02	24	0.71



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Project: Leota
Report Date: August 25, 2016

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QUALITY CONTROL REPORT

WHI16000108.1

		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
ROCK-WHI	Prep Blank	0.041	6.4	10.2	0.42	78.6	0.093	1	1.16	0.146	0.13	0.1	3.2	<0.02	<0.02	<5	<0.1	<0.02	4.2