

**COCO, DAISY AND GERTIE CLAIM BLOCK:
ASSESSMENT REPORT ON 2016, 2017 GEOCHEMISTRY SURVEY,
KLONDIKE GOLDFIELDS, YUKON TERRITORY**

Claim names: Coco 1 to 189, Daisy 1 to 181, Gertie 1 to 144

YE63871-YE63950; YF50981-YF51089; YF51091-YF51271; YF48522-YF48665

Dawson Mining District

NTS maps: 115O 15, 115O 16

63°51'49.0"N 138°37'08.9"W

UTM coordinates 617000/7084000, Zone 7V, NAD83

Registered Owners: Coccinella Mining Corp. - 100%

Work performed in 2016 and 2017

for

Coccinella Mining Corp.

by

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Date: October 05, 2020

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1. INTRODUCTION

The Coco, Daisy and Gertie Claim Block (“CDGCB”) is a collective name for a group of 514 contiguous, non-surveyed “Quartz” mining claims and fractional claims situated about 35 to 55 air kilometers east-southeast of Dawson City in the Yukon Territory. The claim block lies within the Dawson Mining District and covers an area of about 10,434 hectares (104.34 sq km). All claims records are registered at the Dawson Mining Records office to Coccinella Mining Corp., (“Coccinella”) and permitted in 2019 under Grouping HD03524 P Class 1 Permit valid to July 18, 2020. Class 1 Permits have been required in the Traditional Territory of the Tr’ondek H’wech’in First Nations since April of 2018.

During the period 2016 – 2017 Coccinella conducted a soil and rock geochemistry program on the CDGCB to obtain additional information on the bedrock geology, structure and mineralization and to make a preliminary assessment of the potential of the CDGCB area to host significant gold mineralization.

In 2016, the field program included soil sampling on Coco and Daisy claims, whereby 532 soil samples were collected. In 2017, soil sampling continued on the Daisy and Gertie claims, when a total of 102 samples were collected. Additionally, mechanical trenching, logging and sampling of excavations and adjacent outcrops were completed and a total of 29 chip, discontinuous channel and grab samples collected. All samples were submitted to an accredited laboratory for analysis. This assessment report presents the results of this work and includes conclusions and recommendations for further work.

The CDGCB is floored by the rock formations classified as the Snowcap and Scottie Creek Assemblages and Grass Lake Suite. The bedrock is poorly exposed, and can only be found in the historical and recent placer mining areas, road cuts, creek banks or ridge tops. The bedrock is commonly decomposed and may have been locally targeted by the placer miners for its secondary gold accumulations. Significant parts of the property above the valley floors have not been fully evaluated. The results of present work indicate several anomalous soil gold anomalies occur on the CDGCB and further work is recommended to better define their extent and precious metal content.

1.1. Location, Access and Topography

The CDGCB extends from about 35 to 55 air kilometers east and southeast of Dawson City and is accessible from the Klondike HW 2 and from the maintained Hunker Creek – Dominion Creek road, from which several 4 x 4 roads and ATV trails branch off to access remote portions of the CDGCB. Topography is drained by a number of creeks discharging into the Klondike River and/or Dominion Creek, from which the terrain rises moderately up to the ridges on both sides and the altitudes range from about 480 m above sea level at the Klondike River valley bottom to

about 1070 m above sea level on the summit, from which Lucky, Chapman, Champion, Minnie Bell and Nevada Creeks drain.

1.2. The Claims

The CDGCB lies within the Dawson Mining District and consists of 514 contiguous, non-surveyed “Quartz” mining claims and fractional claims covering an area of about 10,434 hectares (104.34 sq km). The current claim information is attached at the back of this report in Appendix II and the maps showing the claim block location and the neighboring claims are in Figs. 1 and 2.

1.3. Terms of Reference

This report summarizes the results of the rock geochemistry program that was conducted on the CDGCB intermittently in 2016 and 2017. For parts of this report the writers 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 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 writers’ 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 YDEMR and relate to the status as of April 2020. Most assays for this report were made available to author in 2018 and/or in 2019.

2. PREVIOUS EXPLORATION

The earliest geological information on the placer and lode gold mining in Klondike area was presented by McConnell (1900, 1907), Tyrrell (1907), MacLean (1914) and others. GSC mapped and investigated the 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 from 1970s to 1990s. 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). Hoymann and Friedrich (1992), Rushton et al (1993) and others completed mineralogical, fluid inclusions, isotope research on the sulphidic and gold mineralization from Klondike Goldfields.



Fig. 1: Coco – Daisy - Gertie Claim Block, location map.

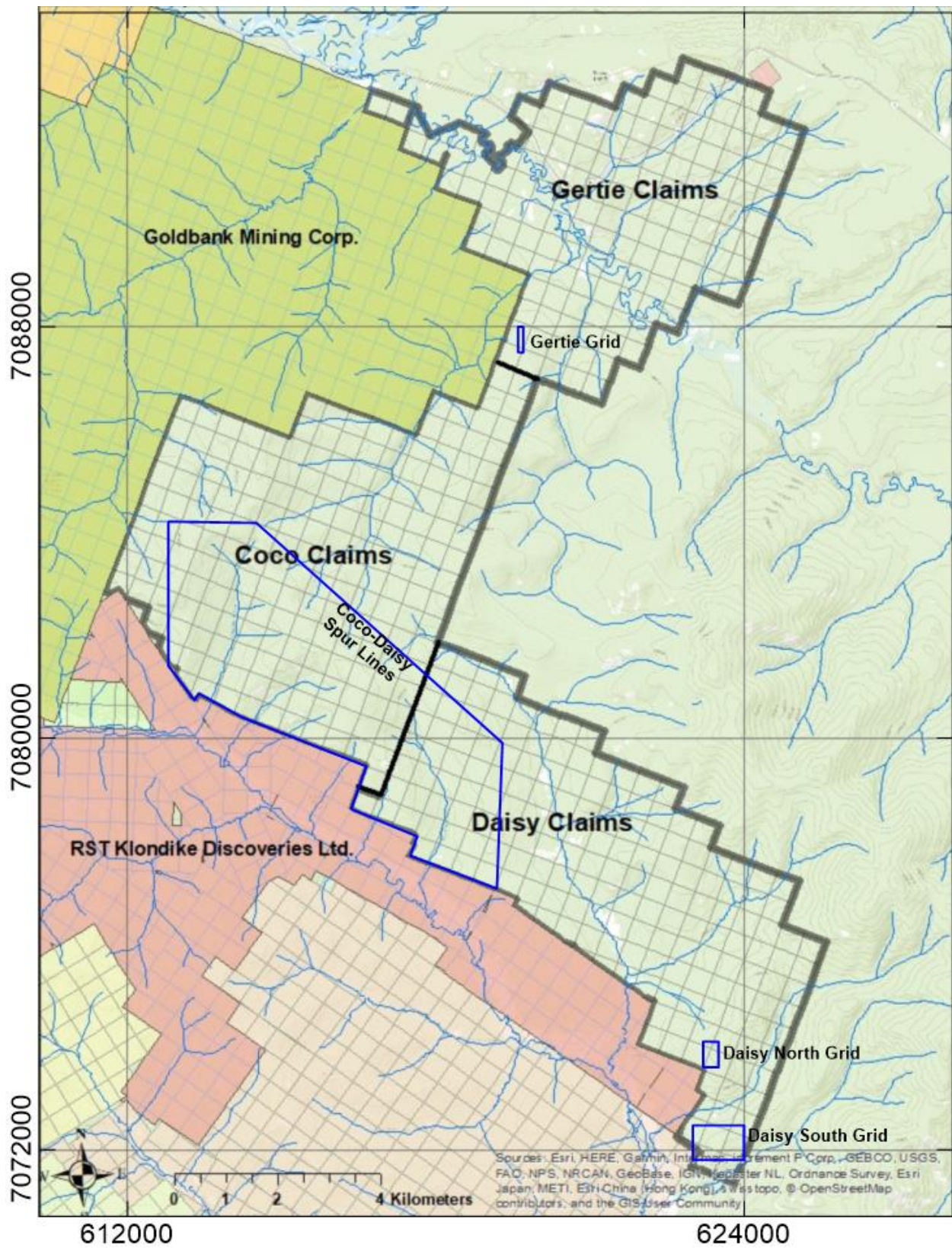


Fig. 2: Locations of 2016, 2017 geochemistry surveys on Coco, Daisy and Gertie Claim Block.

Mortensen (1996) compiled the geological maps of the Northern Stewart River, Klondike and Sixtymile Districts at 1:50,000 scale. More recent compilations of geological maps at 1:250,000 scale include Gordey and Makepeace (2003) and Gordey and Ryan (2005), Stewart River map sheet 115N&O (2018). There is ongoing research into the origin of lode gold mineralization in the Klondike Goldfields within the UBC's Mineral Deposits Research Unit (MDRU) program and the research results have been published in geoscientific papers (MacKenzie et al., 2007, 2008 a, 2008 b; Chapman et al., 2010, etc.).

Several historical occurrences referred to in the Minfile within and/or adjacent to CDGCB include 115O 063 Gold Run, 115O 064 Portland, 115O 136 Gatenby, 115O 138 Cowan and 115O 159 Flat (Fig. 4) and short excerpts are presented below.

Gold Run (Minfile 115O 63)

Gold Run occurrence was staked and re-staked repeatedly in early 1900s and trenching was conducted. MacLean (1912) examined several trenches on the ridge crest between upper Portland Creek and the head of Gold Run Creek and described a non-conformable quartz vein about 45 cm wide, striking northwest and dipping 50 northeast, with some galena and gold. A shaft about 30 m deep and 23 m of adits were driven at several locations plus extensive hand trenching until 1924. During the period 1983 - 1996 Dawson Eldorado Gold Explorations Ltd., United Keno Hill Mines Ltd., Dawson Syndicate (1983) Ltd., and Barramundi Gold Ltd., performed mapping, geochem sampling and trenching. Mortensen examined the trenches on the ridge in 1983 and concluded that all of the quartz is concordant with foliation in the schist. Barramundi's (1996) regional silt program returned an anomalous gold result (25 ppb Au) in the upper part of the Portland Creek drainage basin.

Portland (Minfile 115O 064)

The occurrence was staked in early 1900s and exploration adits and numerous shallow shafts and trenches were completed. The area is underlain by chlorite-quartz-muscovite schist and chlorite-actinolite schist (Klondike Schist Assemblage). Carbonaceous schist occurs at the eastern end of the area and large exposures of marble are common.

MacLean (1914) described an occurrence of elongate bodies of foliaform quartz dubbed 'barrel leads' that occurred in hinges of mesoscopic folds within chlorite schist. Quartz contained minor, coarse-grained, medium brown weathering ferroan carbonate. A discordant quartz vein 51 cm

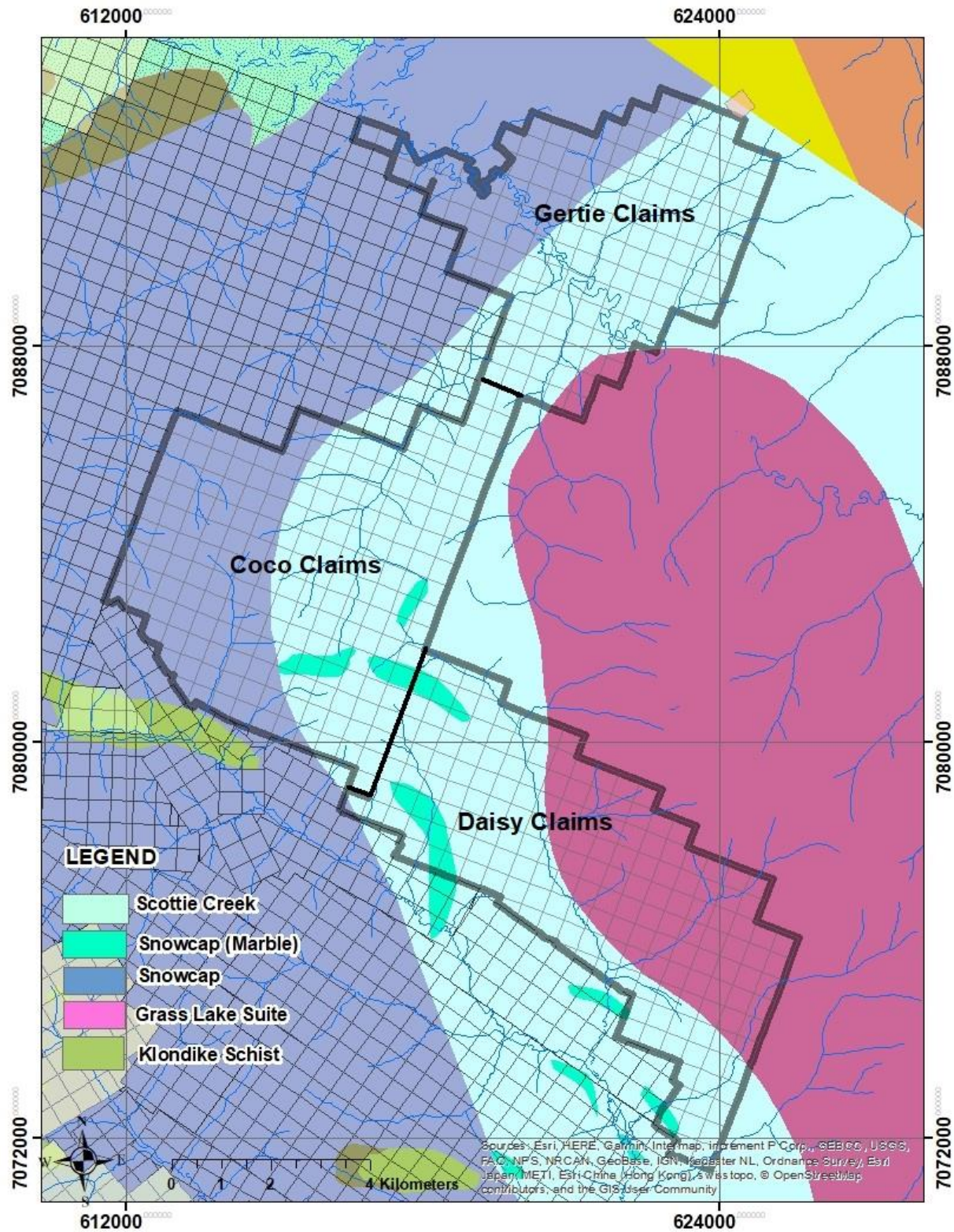


Fig. 3: Geological map with location of Coco, Daisy and Gertie Claims; (khaki green – Klondike Schist; violet-blue – Snowcap quartzite, psammite, pelite; green - marble; light blue - Scottie Creek quartzite, schist; purple – Grass Lake granodiorite, granite, monzonite).

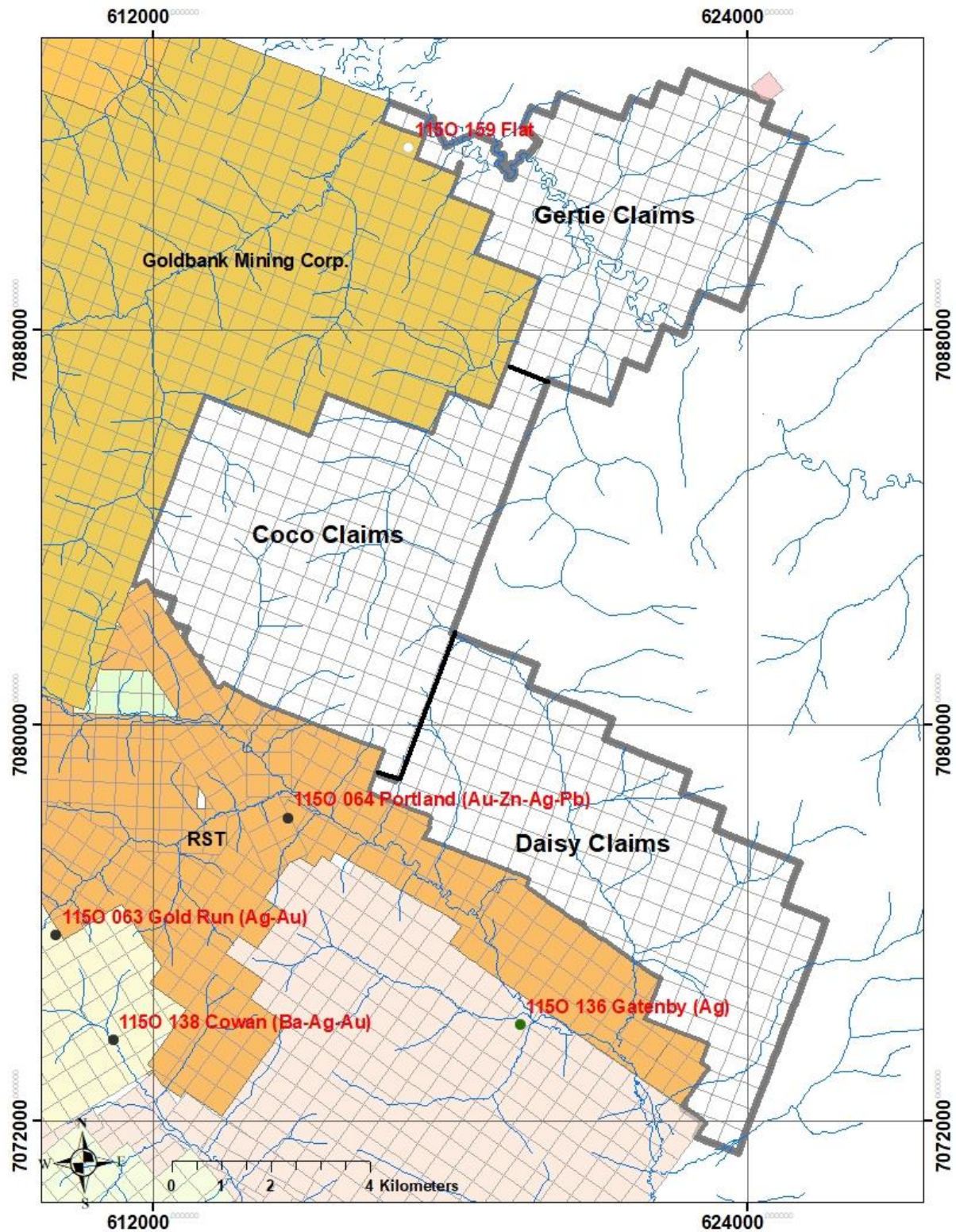


Fig. 4: Minfile occurrences in CDGCB area.

wide, with strike 150 and dip 20 to the northeast, was reported from a trench on the left limit of Robinson Pup. Two samples taken across the vein gave values up to 0.69 g/t gold. A second vein about 50 cm wide, striking 60 and dipping 58 to the southeast, occurs about 610 m farther to the SE (MacLean, 1914).

Dawson Eldorado Gold Explorations Ltd, United Keno Hill Mines Ltd., and Falconbridge Ltd., performed mapping and geochemical sampling in 1980s. A joint venture was formed to explore the entire length of Dominion Creek. A fence of nine percussion drill holes (551 m) was drilled 5 km to the northwest and a second fence of nine holes (609.6 m) 5 km to the southeast. One hole returned 1 600 ppb gold from near the bedrock-gravel interface. The company theorized that the gold represented placer gold. None of the other drill holes from either location returned any anomalous values.

In 1996, Barramundi Gold Ltd., carried out a large regional geological mapping, rock and silt sampling. A weak, single station arsenic, copper, lead and barium anomaly was detected from a creek draining the northwest side of Portland Creek (approximately 1.5 km northwest of the occurrence). KSL Exploration (Yukon) Ltd's soil sampling across each claim block outlined weak to moderate gold response (up to 10 ppb gold), which the company attributed more to the contrast inherent in Mobile Metal Ion geochemistry rather than to presence of any actual mineralization.

Gatenby (Minfile 115O 136)

Muscovite and chlorite quartzite and quartz chlorite muscovite schists of the Klondike schist Assemblage underlie the Dominion Creek valley. Coarsely crystalline bands of marble occur in the schists. The drilling returned no significant gold values but silver assays up to 20 ppm over 3.0 m were reported.

Cowan (Minfile 115O 138)

The claims follow the gravel-filled Gold Run valley, which in this area is underlain by muscovite and chlorite quartzite and quartz chlorite muscovite schists of the Klondike Schist Assemblage.

Flat (Minfile 115O 159)

According to Mortensen, whose work Gordey and Ryan incorporated into their compilation, the area is underlain by Devonian to Mississippian aged meta-siliciclastic rocks assigned to unit DMps. This unit is comprised of undivided metasedimentary rocks dominated by metapsammite, semipelite, metapelite and commonly quartz-garnet-biotite-muscovite schist interlayered with garnet metapelite, micaceous quartzite and rare conglomerate. No assessment or other exploration work appears to have been filed for this occurrence.

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-($\pm$ 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. They were then uplifted through the brittle-ductile transition in the Jurassic and un-conformably 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 2018 Yukon Geological Survey map 1:250,000 (Fig. 4) shows the claims area is floored from west to east by Snowcap quartzite, psammite, pelite (Neoproterozoic) with an outlier of Klondike Schist (Late Permian) followed by the Scottie Creek quartzite and schist with minor marble horizons (Devonian – Mississippian). Genetic models most widely used by geologists working in the Klondike Goldfields include orogenic, non-conformable, mesothermal quartz veins with irregularly distributed sulphidic/gold mineralization (Mortensen, 1996, MacKenzie et al. 2007, 2008 and others), California Mother Lode style gold-quartz veins associated with altered ophiolitic rocks (Ash 2001; Doherty and Ash, 2005; MacFaul, 1988, 1989, 2005), intrusion-related porphyry style gold mineralization (Pautler, 2009), the epithermal Cretaceous

Aalki Creek stock, and/or with Tertiary felsic volcanic rocks. The first vertical derivative map at 1:250,000 scale (Shives et al, 2002) shows that most of the CDGCB area has a subdued magnetic response ranging around zero nT/m but raising up to 150 nT/m along the Jensen creek and toward the ridge dividing it from Nevada creek. This indicates a lack of ophiolites and/or volcanic rocks within the claim block.

5. COCO, DAISY AND GERTIE CLAIM BLOCK GEOCHEMISTRY PROGRAM

Soil and rock geochemistry program on the CDGCB was conducted intermittently in 2016 and 2017 in four areas shown in Fig 2. The program's objectives were to obtain additional information on the precious and/or base metal mineralization and to assess the studied area's potential to host significant gold mineralization. In 2016 the soil geochemistry took place in three areas shown in Figs. 5 and 6. C. Studer's team run the spur lines on the Coco and Gertie claims and took 437 samples from C horizon including 15 field duplicates. The writer's team completed a soil grid on the Daisy claims and took a total of 95 samples. Additional soil grid was completed on the Gertie claims from which 19 C-horizon samples were collected.

In 2017, one soil grid was completed (Fig. 6) totaling 84 samples and seven trenches were dug using a Deere 27C back-hoe (operator S. Montreuil). The excavations were logged and 26 discontinuous channel and/or chip samples collected. Locations of soil grid, trenches and samples are shown in Figs. 12 to 29. A break-down by date, claim # and sample is in Table 1.

Table 1: break-down of work on Coco, Daisy and Gertie claims

2016		
Date	Claim numbers	Sample numbers*
Aug. 30	Coco 2, 3, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 19,	1509001-014; 150940-050; 1509101-107;
Aug. 31	20, 21, 23, 24, 25, 26, 32, 34, 35, 36, 37, 39, 40,	1509139-150; 1509160-327; 1509336-339;
Sept. 1	41, 42, 43, 45, 73, 74, 76, 77, 79, 90, 91, 93, 112,	1509351-354; 1509850; 1509870-900;
Sept. 2	114, 115, 117, 136	1509915-988
Sept. 3	Daisy 3, 5, 6, 13, 14, 67, 68, 80, 81, 82, 83, 96,	1509015-039; 1509051-100; 1509108-138;
Sept. 4	98, 99, 100	1509151-159; 1509989-1510000
Sept.13	Daisy 54, 56, 59, 61	186-218
Sept. 14	Daisy 56, 59, 61	219-233
Sept. 15	Daisy 57, 58, 60	234-248
Sept. 19	Daisy 51	559675
Sept. 21	Daisy 57, 58, 59	279-299; 583424-583433
2017		
Aug. 16	Gertie 127, 128, 130	27951-27961
Aug. 17	Gertie 127, 128, 130	27962-27972
Aug. 21	Daisy 43, 44	27977-27997
Aug. 22	Daisy 43, 44, 46	619257-619277
Aug. 23	Daisy 45, 46	619280-619300
Aug. 24	Daisy 45, 46	28051-28071
Aug. 29	Daisy 46	619254-255; 619256-257; 619279, 28072
Aug. 30	Daisy 43, 45	28073-075; 28076-077; 27851-54; 28078-79;
		27855; 27856-63

* soil sample numbers - roman script, rock sample numbers - *italic script*.

The 2016 spur line samples returned several anomalous gold values, including five that exceed 10 ppb and the maximum value of 52.8 ppb Au. The eastern portion of the sampled area is floored by Scottie Creek assemblage with minor marble, while the western portion is underlain by the Snowcap assemblage (Fig. 4). Several historical workings in the southwestern portion of the sampled area targeted quartz veins, which crop out locally. Although most of the quartz appears to be the “bull quartz”, anomalous gold values commonly cluster in this area (Fig. 5). Below we present descriptive statistics and correlation coefficients (Tables 2, 3) for 437 assays.

Table 2: Coco spur lines, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Count	437	437	437	437	437	437	437	437	437	437	437
Mean	1.60	68.19	37.72	20.68	85.02	12.77	0.22	13.74	43.67	44.79	0.70
St. Error	0.16	4.76	1.24	4.64	7.91	2.88	0.01	0.61	4.31	1.89	0.04
Median	0.8	41	30.37	10.22	59.9	3.1	0.12	11	25	37.2	0.53
Mode	0.1	15	22.03	9.42	97.4	1.1	0.07	2	18.1	30.9	0.42
St. Deviation	3.4	99.4	25.9	97.0	165.3	60.1	0.3	12.7	90.2	39.5	0.8
S. Variance	11.9	9888.3	673.1	9413.9	27330.6	3613.1	0.1	161.5	8135.0	1558.7	0.6
Kurtosis	124.5	27.7	8.0	334.4	98.0	97.9	21.3	9.3	85.8	57.8	107.7
Skewness	9.6	4.7	2.3	17.6	9.3	9.7	4.0	2.4	8.5	6.4	8.1
Range	52.7	876	197.36	1908.84	2216.6	684.95	2.5	94	1064.2	498.9	11.93
Minimum	<0.2	<2	1.89	1.3	6.4	0.05	0.01	2	2	3.5	0.02
Maximum	52.8	877	199.25	1910.14	2223	685	2.51	96	1066.2	502.4	11.95

Table 3: Coco spur lines, correlation matrix

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Au	1.000										
Ag	0.287	1.000									
Cu	0.153	0.095	1.000								
Pb	0.059	0.236	-0.017	1.000							
Zn	0.006	0.141	0.081	0.619	1.000						
As	0.137	0.107	-0.040	-0.004	-0.003	1.000					
Sb	0.473	0.566	0.138	0.072	0.046	0.163	1.000				
Hg	0.274	0.404	0.156	0.093	0.050	0.021	0.414	1.000			
Cr	0.034	-0.080	0.264	-0.028	-0.014	-0.020	0.032	0.102	1.000		
Ni	0.043	-0.081	0.381	-0.020	0.151	-0.001	0.069	0.106	0.858	1.000	
Mg	-0.056	-0.112	0.067	-0.042	-0.047	-0.057	0.124	-0.090	0.439	0.339	1.000
	co-variance 25 - 50%		0.5 - 0.707			50 - 75%		0.708-0.866			

Table 3 shows a strong correlation between chromium and nickel and medium correlations between silver and antimony and between lead and zinc.

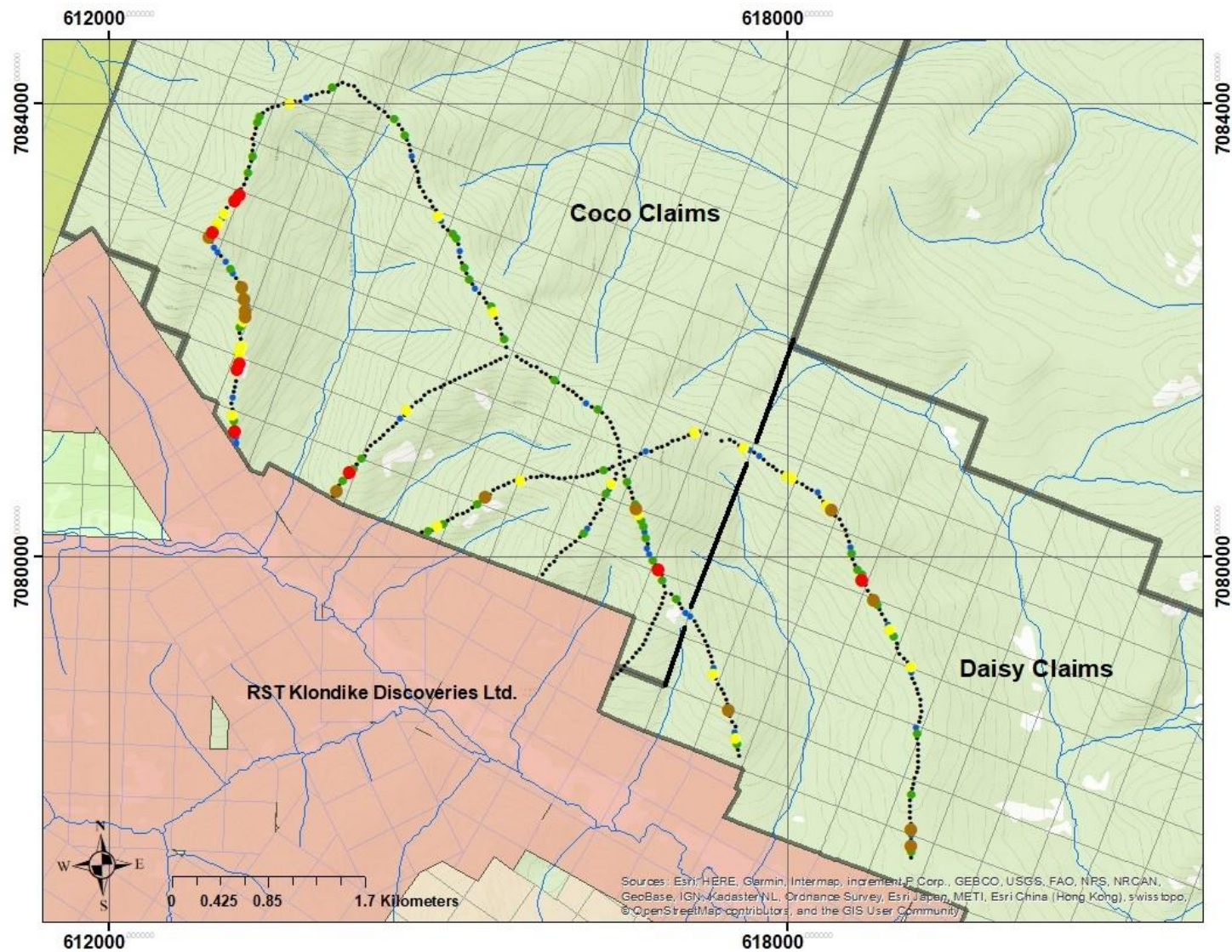


Fig. 5: Location of spur lines with gold values (in ppb, displayed in percentiles: 98 and above (8.4-52.8) - red; 95-97.9 (4.6-8) - brown; 90-94.9 (3.4-4.5) - yellow; 80-89.9 (2.6-3.2) – green; 72-79.9 (1.8-21) – blue; below mean (1.6 ppb) grey).

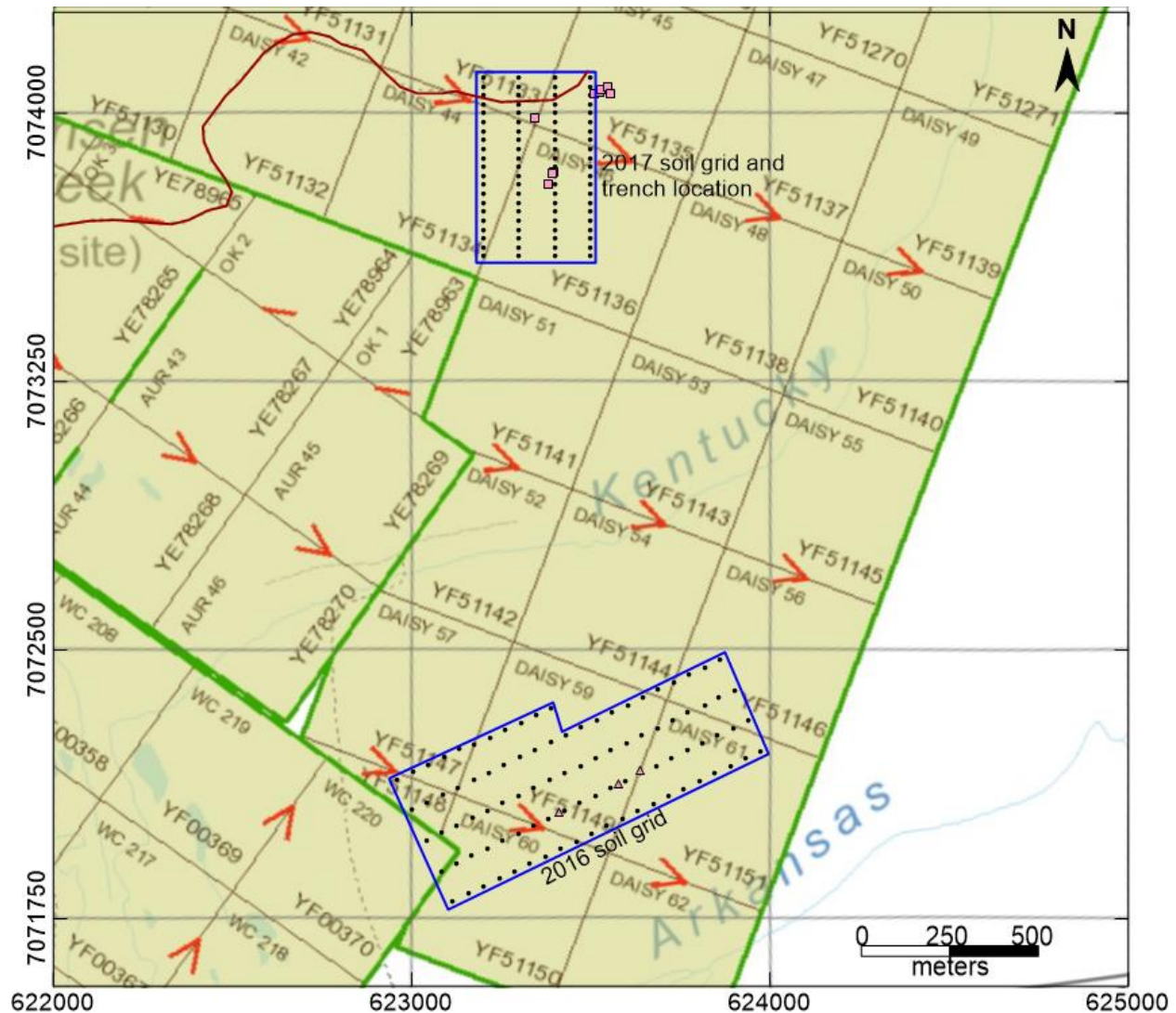


Fig. 6: Location of 2016 and 2017 soil grids, trenches (pink squares) and rock samples (pink triangles).

Fig. 6 shows locations of Daisy 2016 and 2017 soil sampling grids, trenches and rock samples. The 2016 soil grid was completed along a southwest – northeast trending ridge between Kentucky and Arkansas creeks. The sampled area is floored by Scottie Creek Assemblage with minor marble horizons. The bedrock contains quartz veins or lentiform quartz as indicated by ubiquitous quartz fragments and/or boulders on the surface. Five parallel soil lines spaced 100 m were run and stations were 25 m apart. Descriptive statistics and correlation matrix are in Tables 4 and 5 and the distributions of gold, silver, copper, lead, zinc and arsenic are in Figs. 7 to 14.

Table 4: Daisy 2016 soil samples, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Count	95	95	95	95	95	95	95	95	95	95	95
Mean	1.692	49.326	39.210	8.415	68.302	1.956	0.114	9.358	33.055	50.932	0.777
St. Error	0.186	3.856	2.261	0.482	1.931	0.306	0.010	0.790	4.770	2.795	0.047
Median	1.300	42.000	34.810	7.760	68.900	1.200	0.080	9.000	24.200	46.900	0.670
Mode	0.100	52.000	20.130	4.110	81.400	0.400	0.070	2.000	27.200	50.200	0.680
St. Deviation	1.810	37.582	22.038	4.696	18.821	2.979	0.097	7.703	46.494	27.241	0.463
S. Variance	3.275	1412.392	485.677	22.054	354.235	8.874	0.009	59.339	2161.703	742.048	0.214
Kurtosis	26.018	10.841	8.404	25.929	0.280	41.814	5.911	3.730	34.778	31.652	9.558
Skewness	4.059	2.622	2.250	3.866	-0.499	5.640	2.196	1.595	5.461	4.522	2.793
Range	14.400	255.000	147.450	40.200	93.500	25.450	0.500	36.000	373.900	239.200	2.800
Minimum	<0.2	5.000	7.300	1.470	14.500	<0.1	0.020	<5	4.600	13.400	0.230
Maximum	14.500	260.000	154.750	41.670	108.000	25.500	0.520	38.000	378.500	252.600	3.030

Table 5: Daisy 2016 soil samples, correlation matrix

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Au	1.000										
Ag	0.307	1.000									
Cu	0.087	0.216	1.000								
Pb	-0.063	0.220	0.139	1.000							
Zn	-0.022	0.112	0.310	-0.004	1.000						
As	0.054	0.227	0.305	0.028	0.157	1.000					
Sb	0.066	0.223	0.238	0.144	0.299	0.656	1.000				
Hg	0.109	0.486	0.217	0.237	0.198	0.185	0.538	1.000			
Cr	0.186	0.164	0.358	-0.137	0.093	0.084	-0.017	0.039	1.000		
Ni	-0.059	0.043	0.445	-0.102	0.366	0.129	0.079	0.074	0.798	1.000	
Mg	0.349	0.279	0.486	-0.229	0.225	0.051	-0.104	0.110	0.777	0.544	1.000
	0.5 - 0.707; 25 - 49.99%					0.708-0.866; 50 - 75%					

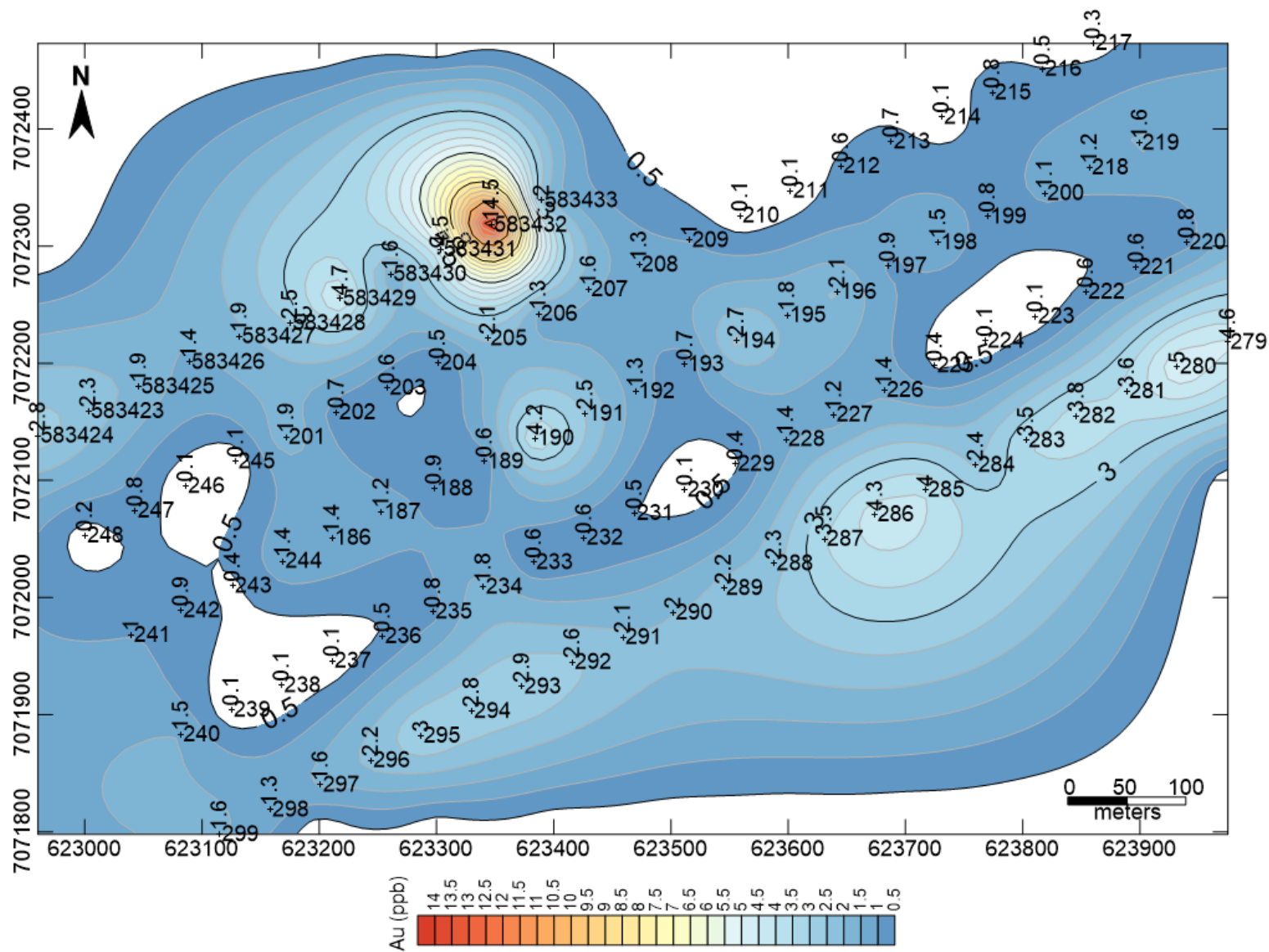


Fig. 7: Distribution of gold.

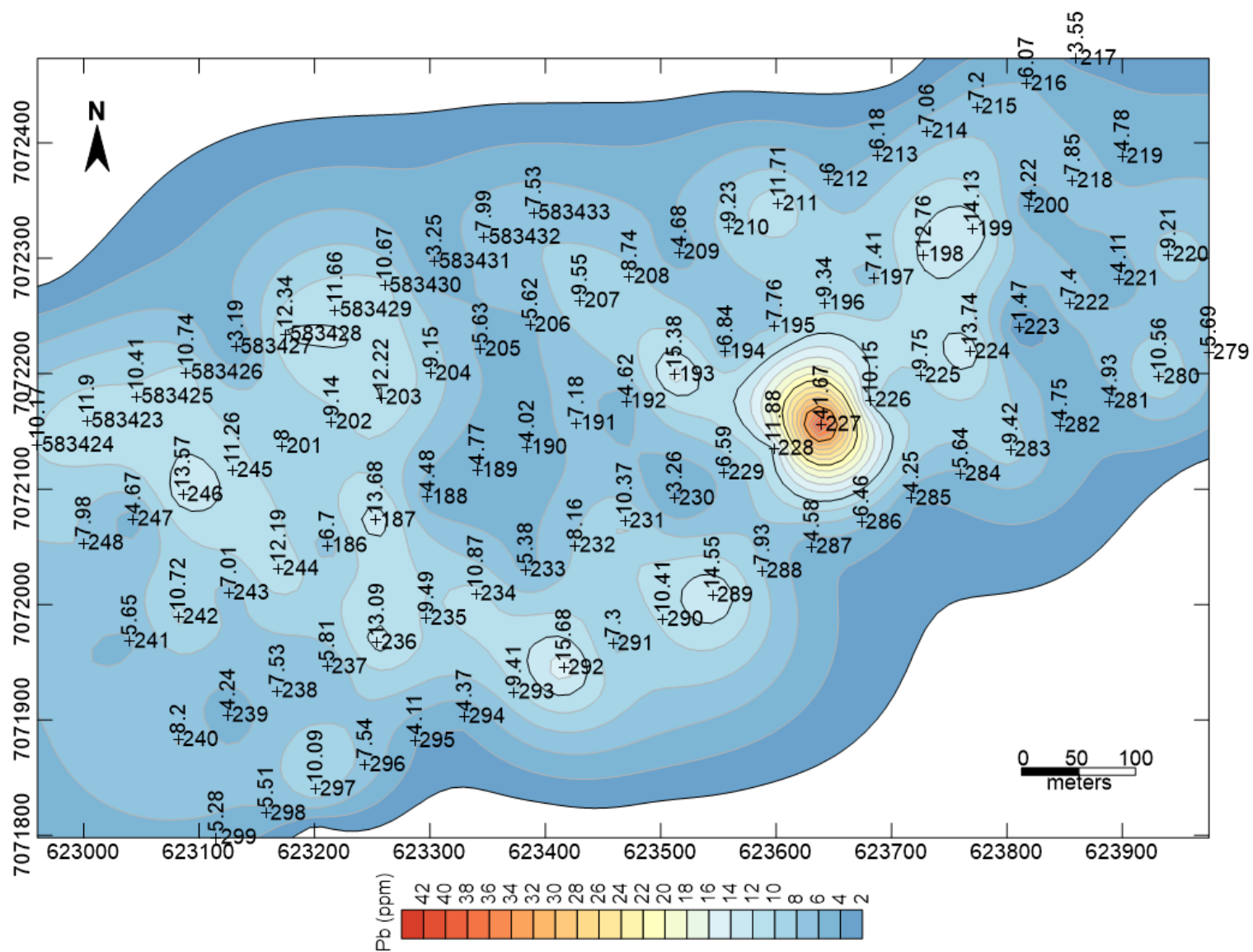


Fig. 10: Distribution of lead.

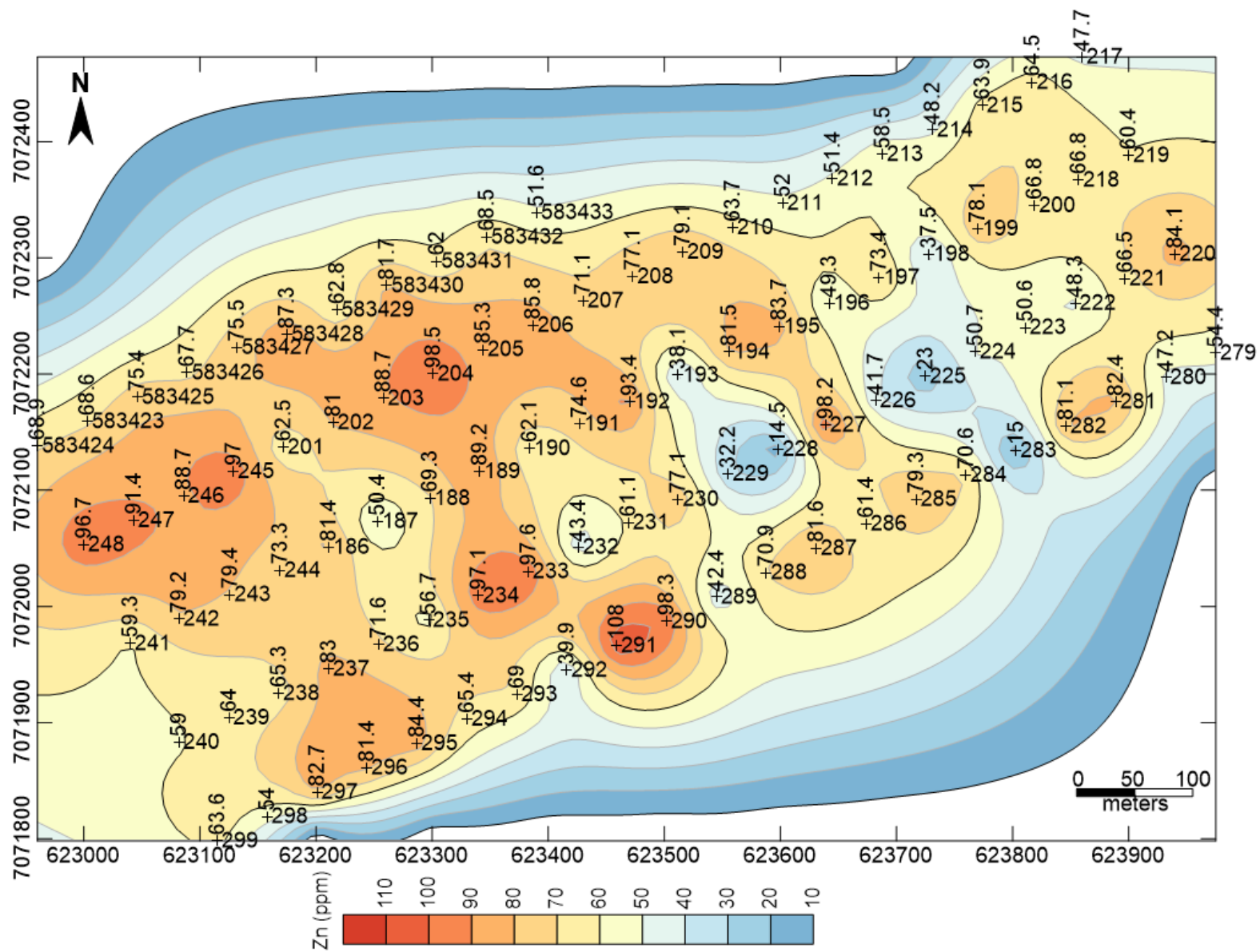


Fig. 11: Distribution of zinc.

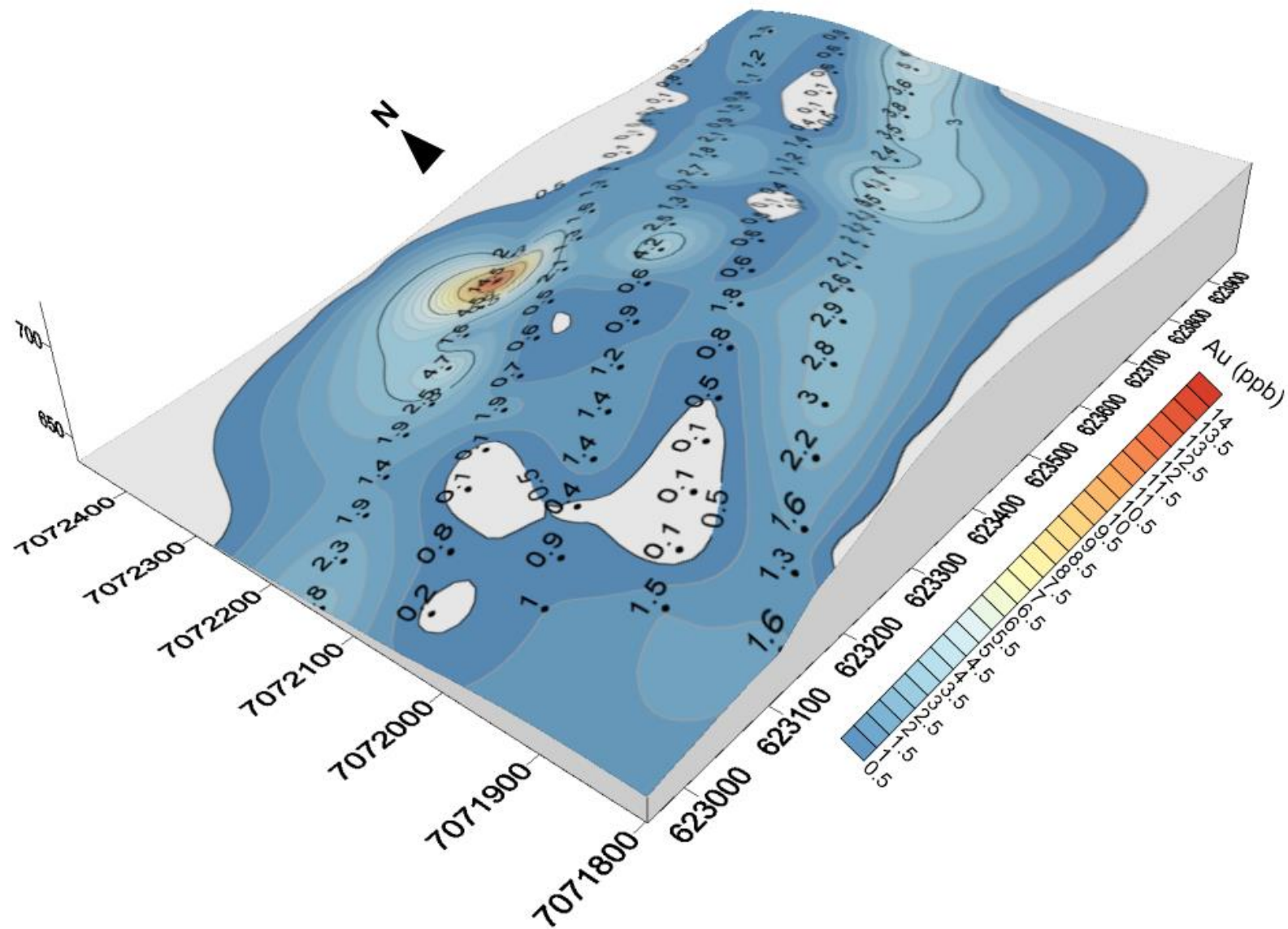


Fig. 13: 2016 soil grid, 3D image with gold distribution.

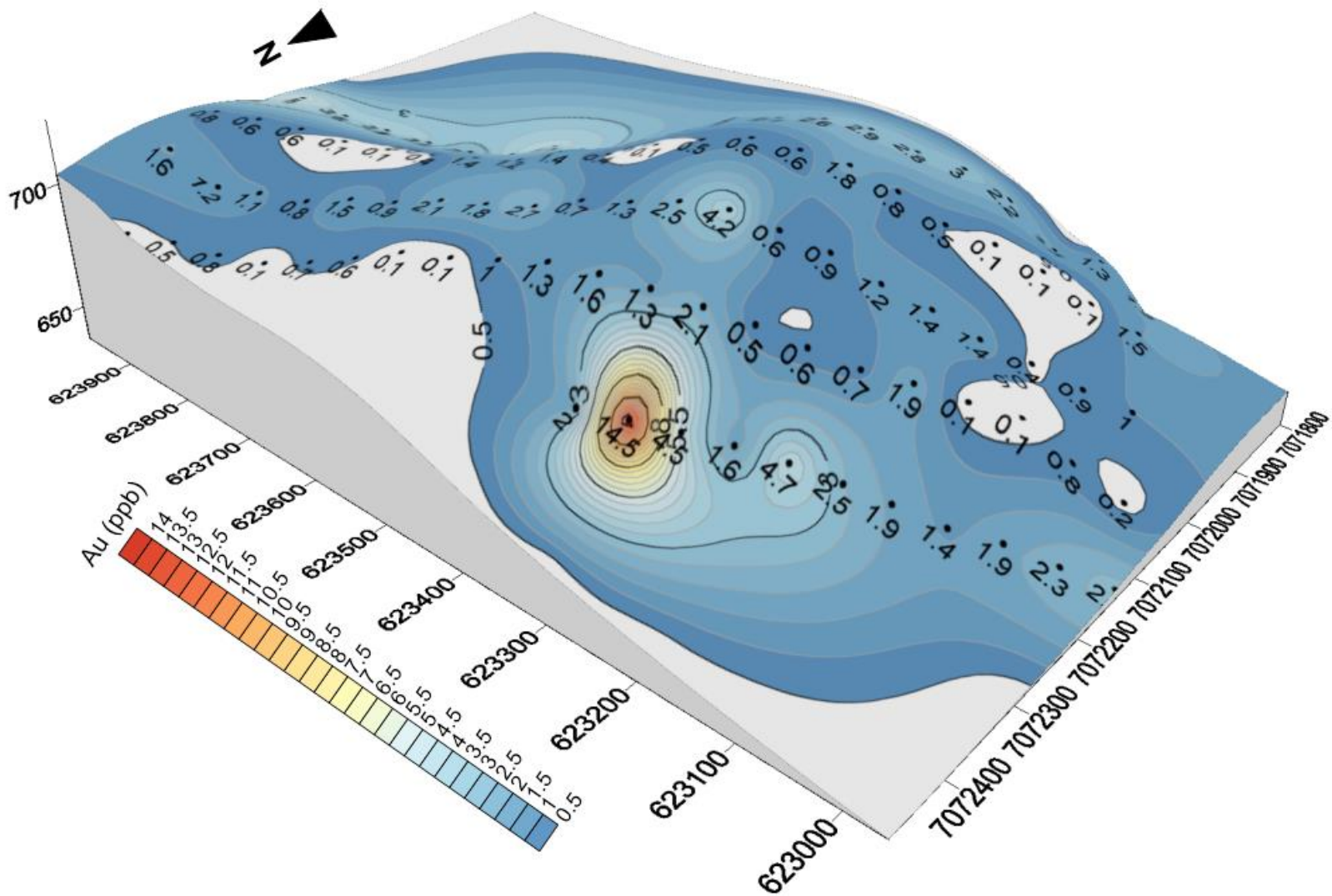


Fig. 14: 2016 soil grid, 3D image with gold distribution..

The 2017 soil grid covers a portion of a topographic high close to Jensen Creek headwaters. The sampled area is floored by Scottie Creek Assemblage with minor marble horizons. The country rock locally contains quartz lenses as indicated by ubiquitous white quartz fragments and boulders strewn on the ground. Four parallel, north – south soil lines were run at 100 m distances and stations 25 m apart. In total, 83 samples were collected from C-horizon and submitted for assays.

Descriptive statistics and correlation matrix are in Tables 6 and 7 and Figs. 15 to 21 show gold, silver, copper, lead, zinc and arsenic distributions in sampled area.

Table 6: Daisy 2017 soil samples, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Count	83	83	83	83	83	83	83	83	83	83	83
Mean	0.629	40.675	29.057	8.444	81.380	4.440	0.139	8.060	41.236	42.424	0.931
St. Error	0.071	2.782	1.166	0.361	2.937	0.750	0.012	0.648	1.764	1.626	0.050
Median	0.400	31.000	28.930	7.870	77.500	3.400	0.110	8.000	39.100	41.600	0.820
Mode	0.100	17.000	34.860	6.890	78.400	1.300	0.130	2.000	30.800	33.000	0.610
St. Deviation	0.645	25.342	10.623	3.291	26.753	6.828	0.109	5.906	16.073	14.815	0.454
S. Variance	0.416	642.222	112.851	10.831	715.716	46.627	0.012	34.887	258.346	219.494	0.206
Kurtosis	2.079	2.509	2.407	0.688	2.744	54.215	4.095	1.213	0.283	2.353	8.574
Skewness	1.504	1.357	0.896	1.025	0.969	6.787	1.787	1.086	0.685	1.019	2.227
Range	2.900	135.000	60.730	14.570	166.500	59.400	0.600	26.000	74.400	86.000	3.030
Minimum	<0.2	11.000	9.560	4.250	28.000	0.500	0.010	<5	13.100	11.800	0.280
Maximum	3.000	146.000	70.290	18.820	194.500	59.900	0.610	28.000	87.500	97.800	3.310

Table 7: Daisy 2017 soil samples, correlation matrix

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Au	1.000										
Ag	0.311	1.000									
Cu	0.071	0.188	1.000								
Pb	0.219	0.588	0.051	1.000							
Zn	0.027	0.161	0.595	0.120	1.000						
As	0.058	0.319	-0.093	0.264	-0.175	1.000					
Sb	0.253	0.050	-0.238	0.109	-0.299	0.336	1.000				
Hg	0.176	0.481	-0.047	0.412	-0.046	0.429	0.434	1.000			
Cr	-0.030	0.007	0.248	0.040	0.621	-0.060	-0.268	-0.119	1.000		
Ni	-0.032	0.204	0.651	0.170	0.756	-0.071	-0.413	-0.063	0.697	1.000	
Mg	0.143	0.092	0.294	0.008	0.717	-0.097	-0.384	-0.052	0.725	0.649	1.000
	co-variance 25 - 50%		0.5 - 0.707			co-variance 50 - 75%			0.708-0.866		

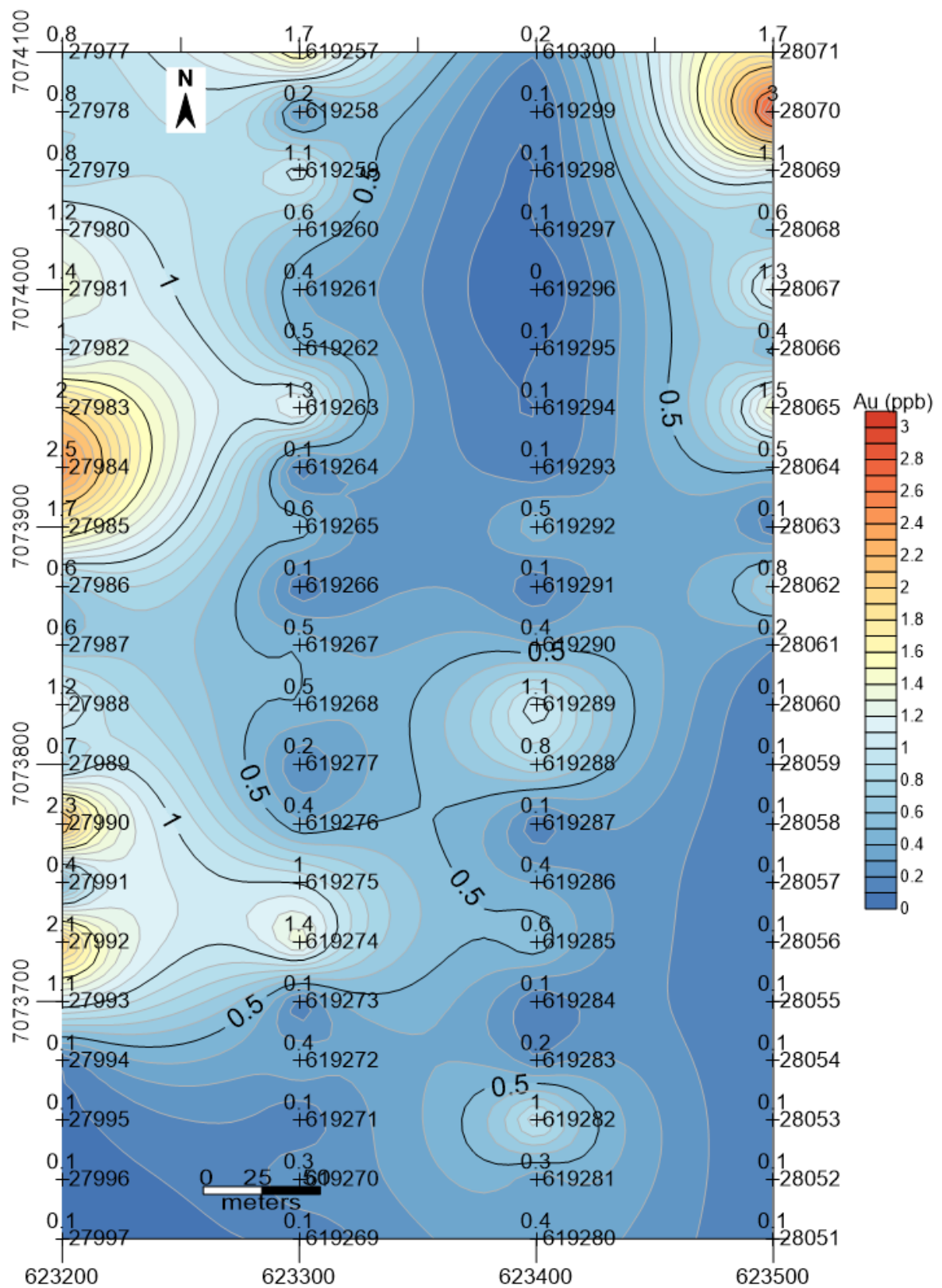
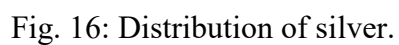


Fig. 15: Distribution of gold.



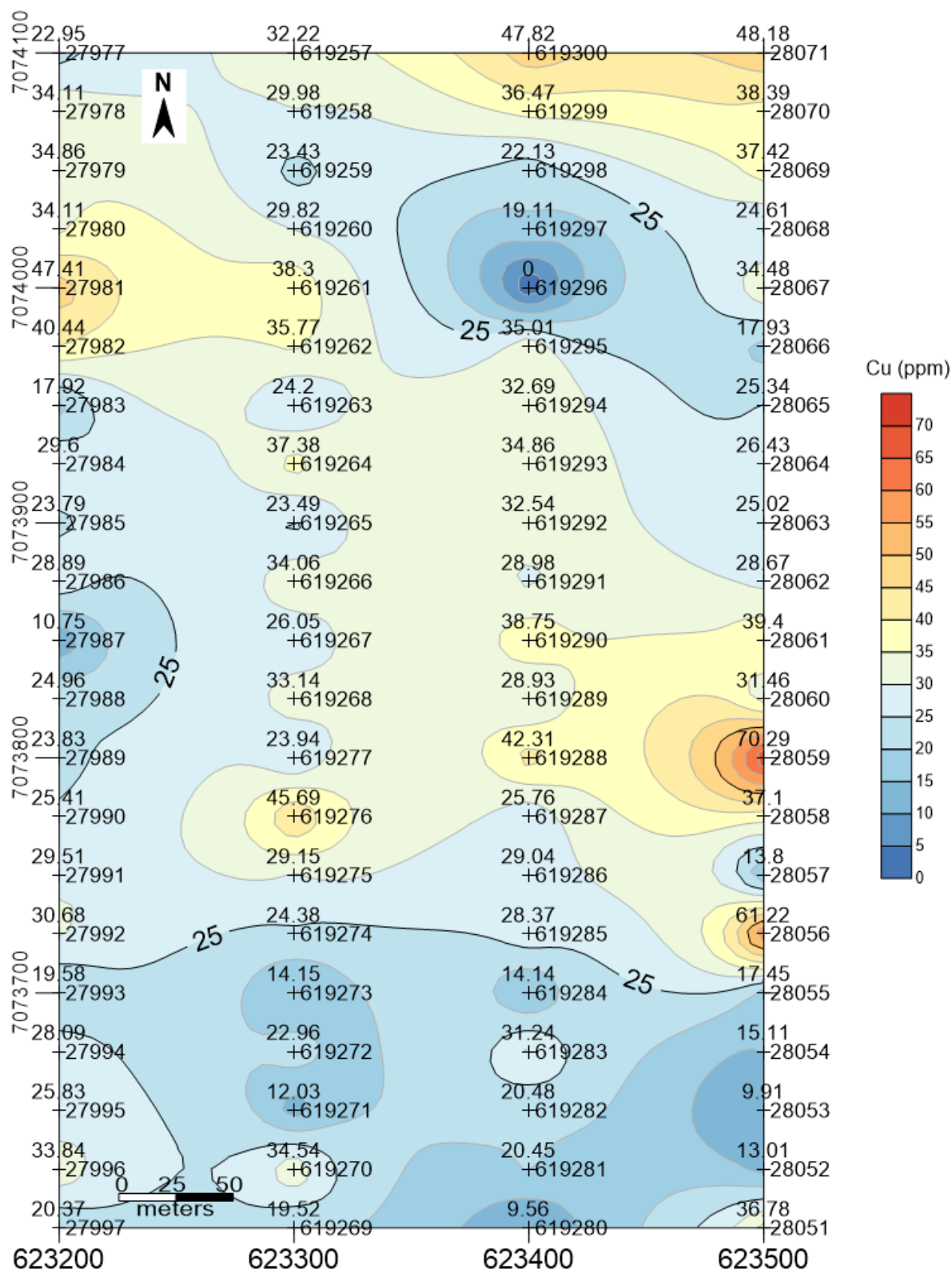


Fig. 17: Distribution of copper.

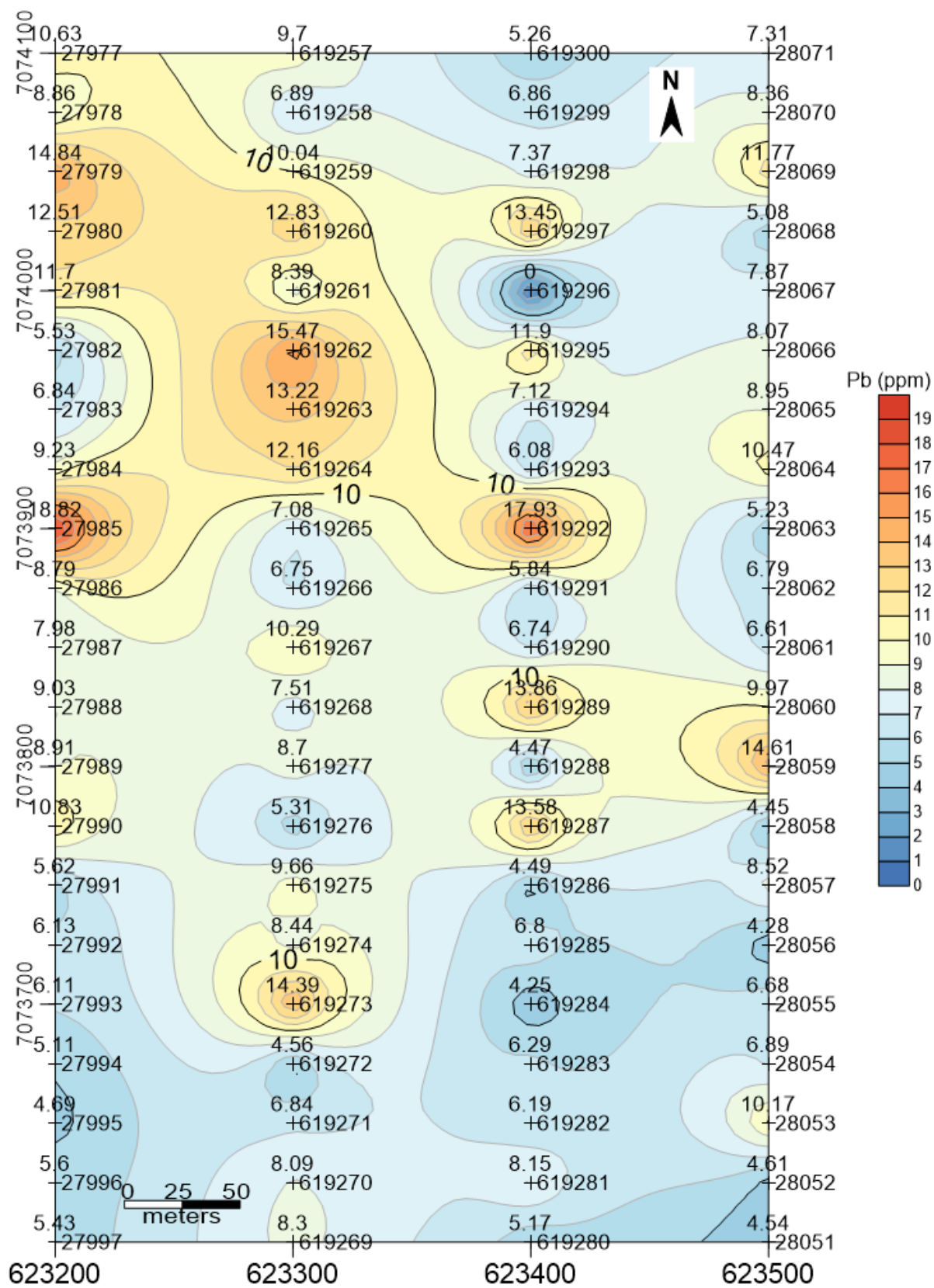


Fig. 18: Distribution of lead.

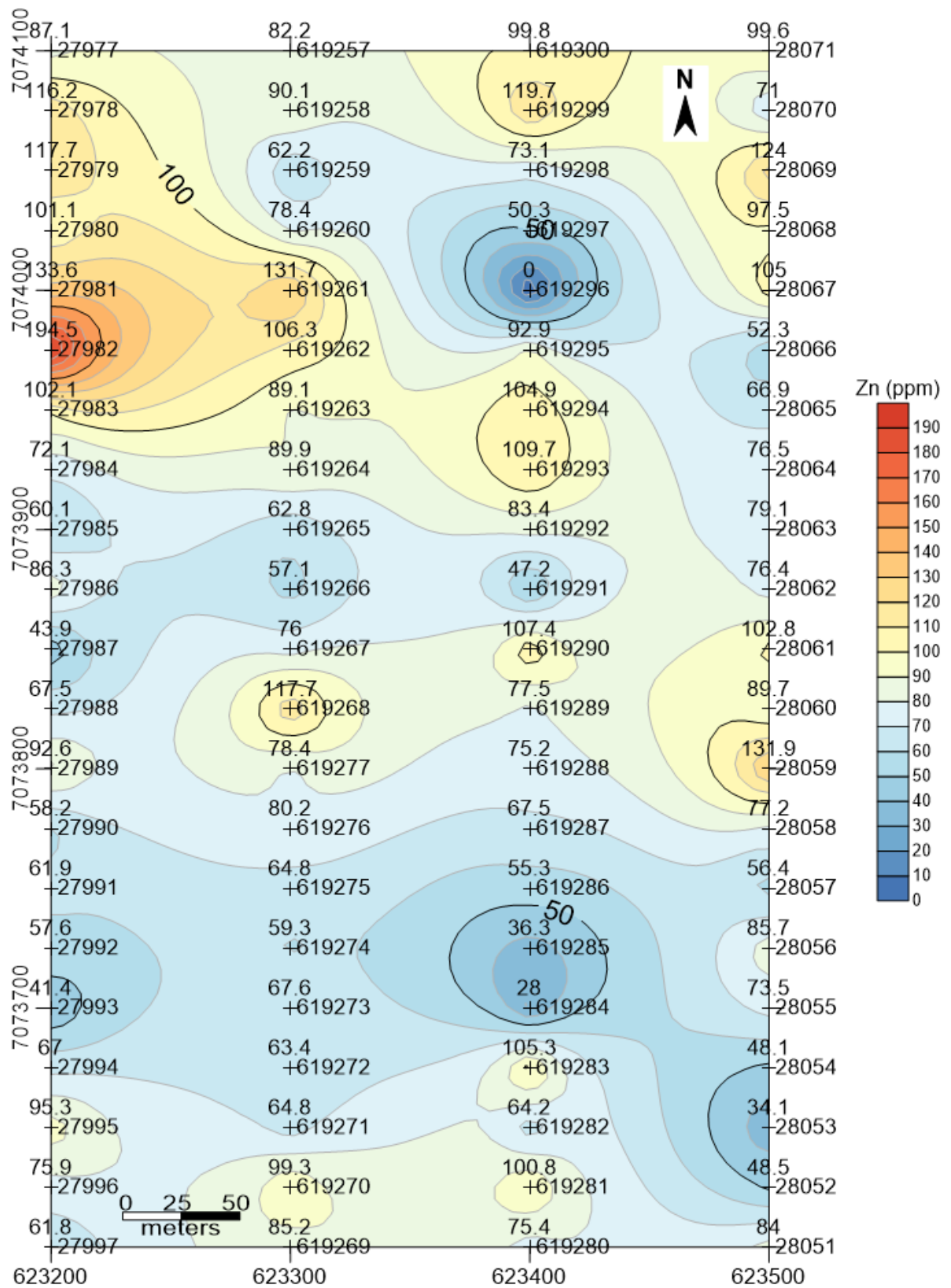


Fig. 19: Distribution of zinc.

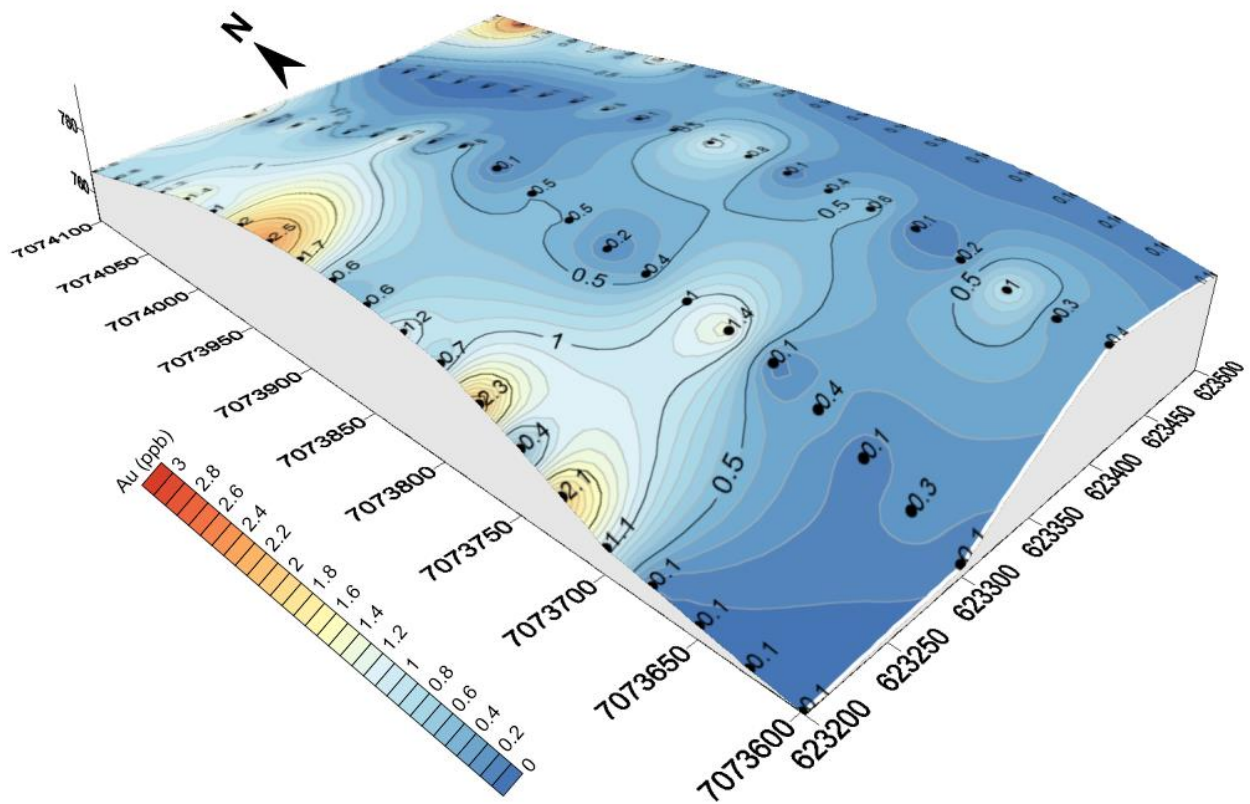


Fig. 21: 2017 soil grid, 3D image with gold distribution.

Gold and silver values in the grid area (Figs. 15 – 21) are relatively low, ranging from below detection limit (“DL”) to 3 ppb for the former and from 11 to 146 ppb for the latter. Silver fairly well correlates with lead while chromium, nickel and magnesium correlate with zinc, which may indicate an association with carbonates in the soil, and possibly the presence of marble (and listwanite ?) in the bedrock.

A small grid of two lines with 19 samples spaced 25 m was completed on the Gertie 127, 128 and 130 claims (Figs. 2, 22 to 27), just above the gravel (rounded pebbles) level. Sampling area is floored by the Scottie Creek Assemblage. Gold ranges from 0.6 to 6.6 ppb and silver ranges from 9 to 125 ppb. Several correlations are noted in Table 9, but are not considered robust enough due to relatively small number of assays.

Table 8: Gertie soil samples, descriptive statistics

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Count	19	19	19	19	19	19	19	19	19	19	19
Mean	3.011	55.632	30.309	10.509	60.489	8.468	0.744	27.105	36.347	26.958	0.586
St. Error	0.344	7.737	1.731	0.839	2.975	1.015	0.089	3.748	5.057	1.670	0.089
Median	2.7	49	28.06	11.23	60.5	9.3	0.77	26	27.6	25.9	0.44
St. Deviation	1.498	33.723	7.544	3.658	12.969	4.423	0.386	16.336	22.042	7.279	0.389
S. Variance	2.243	1137.246	56.909	13.381	168.185	19.561	0.149	266.877	485.845	52.979	0.152
Kurtosis	1.145	-0.667	-0.083	0.255	-1.032	-0.962	-0.887	-0.827	1.665	1.636	3.190
Skewness	0.856	0.494	0.624	-0.954	0.123	-0.462	-0.352	0.214	1.741	0.761	2.032
Range	6	116	27.27	12.53	44.7	13.7	1.21	54	70.1	30.5	1.36
Minimum	0.6	9	20.81	2.68	37.6	0.7	0.08	<5	17	16	0.33
Maximum	6.6	125	48.08	15.21	82.3	14.4	1.29	56	87.1	46.5	1.69

Table 9: Gertie soil samples, correlation matrix

	<i>Au</i>	<i>Ag</i>	<i>Cu</i>	<i>Pb</i>	<i>Zn</i>	<i>As</i>	<i>Sb</i>	<i>Hg</i>	<i>Cr</i>	<i>Ni</i>	<i>Mg</i>
Au	1.000										
Ag	0.593	1.000									
Cu	-0.046	-0.183	1.000								
Pb	0.535	0.392	-0.414	1.000							
Zn	0.378	0.388	0.335	0.302	1.000						
As	0.752	0.704	-0.093	0.647	0.659	1.000					
Sb	0.733	0.690	-0.056	0.652	0.621	0.975	1.000				
Hg	0.795	0.622	0.067	0.532	0.578	0.877	0.899	1.000			
Cr	-0.563	-0.565	0.684	-0.707	-0.226	-0.719	-0.693	-0.547	1.000		
Ni	-0.140	-0.198	0.725	-0.260	0.131	-0.149	-0.120	-0.046	0.672	1.000	
Mg	-0.554	-0.585	0.579	-0.681	-0.258	-0.744	-0.736	-0.586	0.966	0.563	1.000
	0.5-0.707; 25-49.9%			0.707-0.866; 50-75%			>0.866; >75%				

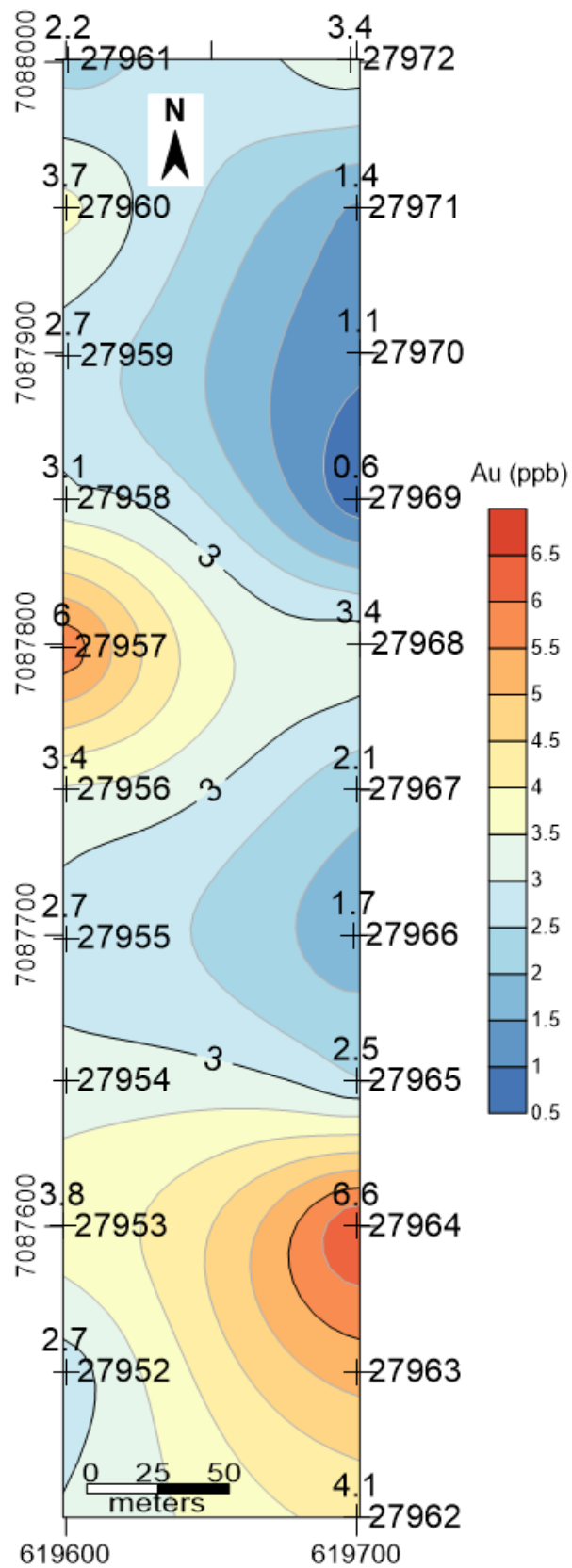


Fig. 22: Distribution of gold.

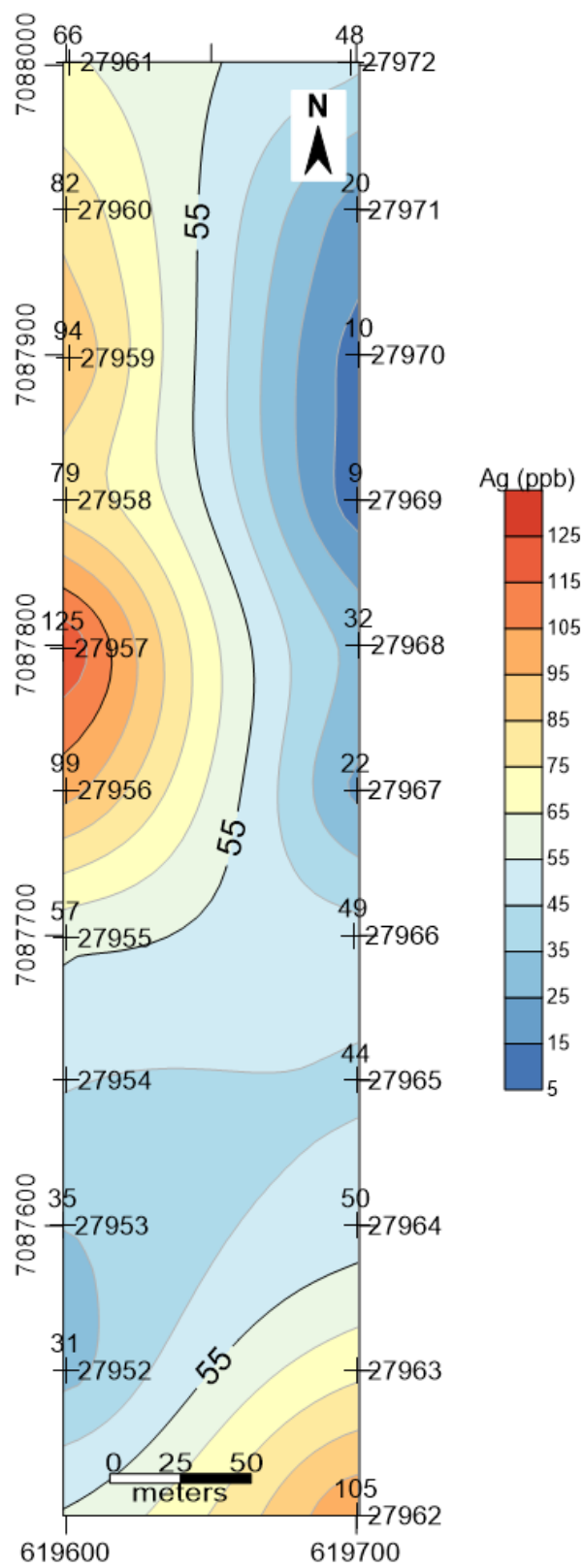


Fig. 23: Distribution of silver.

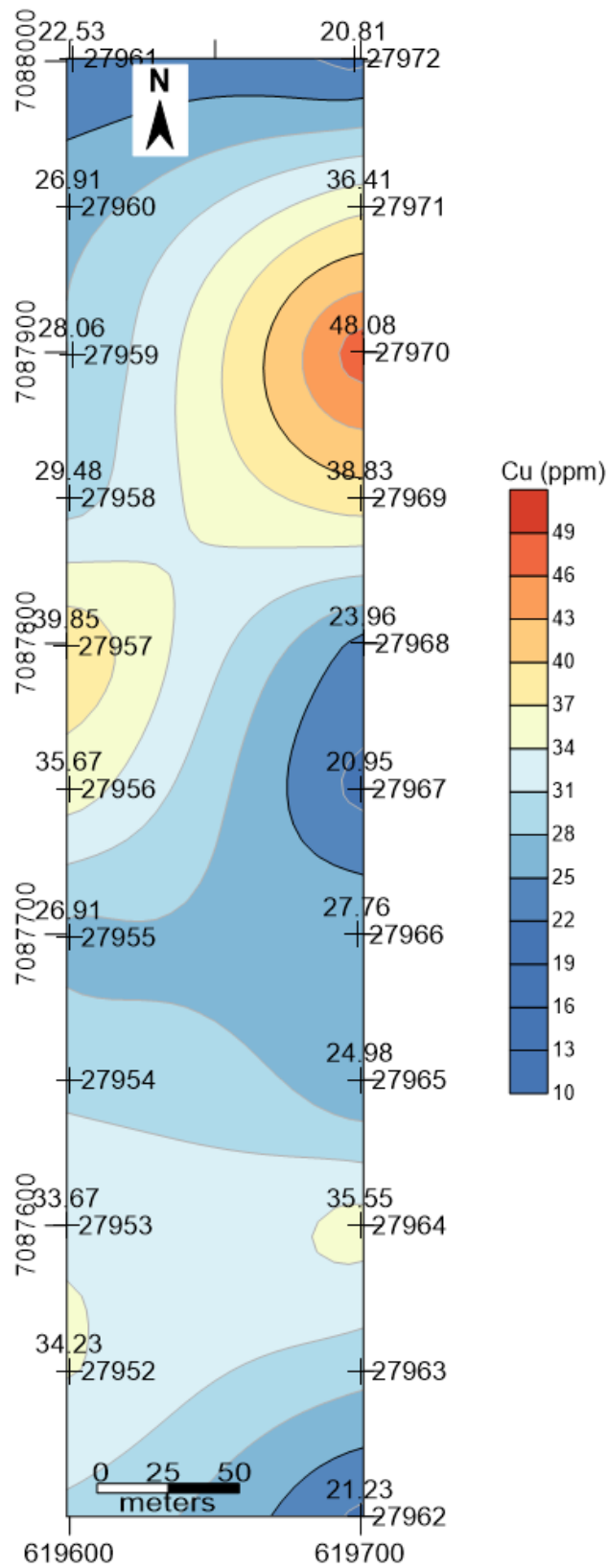


Fig. 24: Distribution of copper.

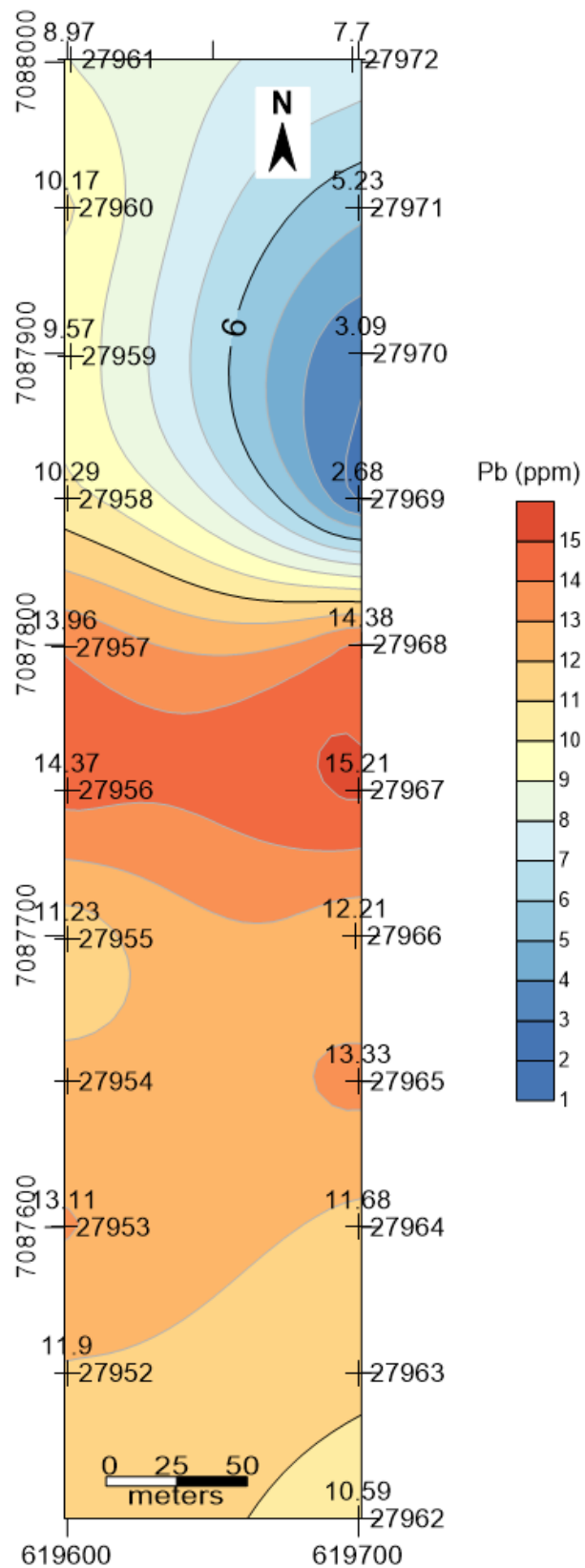


Fig. 25: Distribution of lead.

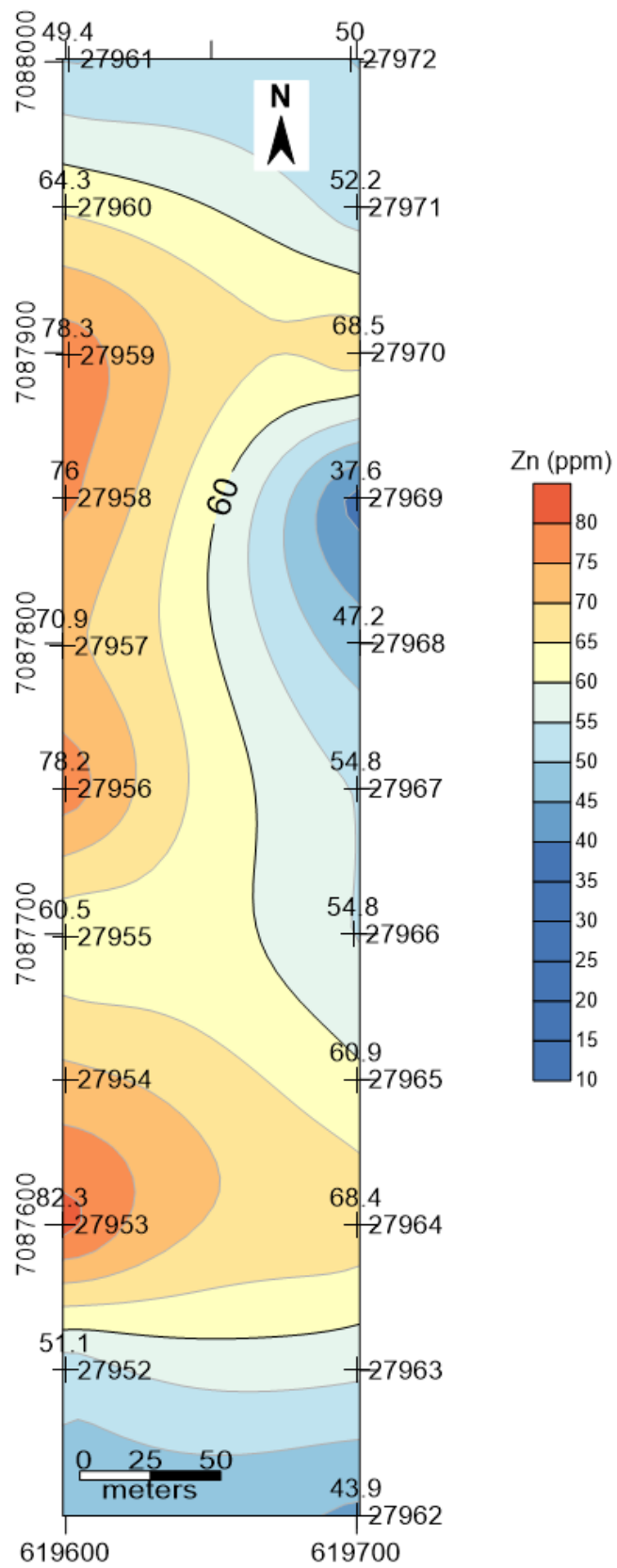


Fig. 26: Distribution of zinc.

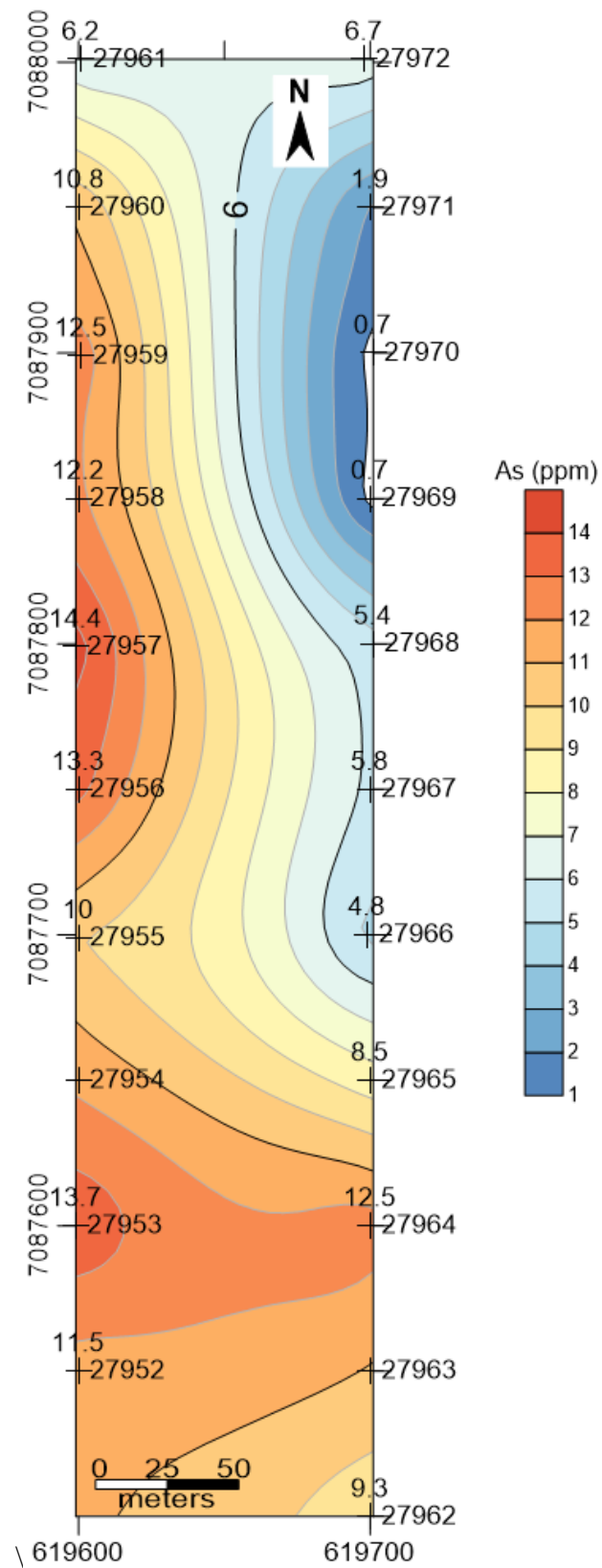


Fig. 27: Distribution of arsenic.

A trenching program was conducted on Daisy 43, 45 and 46 claims on August 29 and 30, 2017 to expose the quartz veins that were presumed to occur in the area based on the ubiquitous quartz float. In total, nine trenches were dug using a Deere 27C back-hoe (operator S. Montreuil) and their coordinates and parameters are listed in table 10 below.

Table 10: Trench coordinates and size parameters

Pit/trench	Easting	Northing	Length	Width	Depth	m3
TD1	623397	7073834	2.0	0.9	0.6	1.08
TD2	623380	7073801	3.0	1.0	0.7	2.1
TD3	623394	7073831	3.0	0.9	1.2	3.24
TD4	623343	7073987	4.5	0.9	1.3	5.27
TD5	623510	7074053	4.0	5.0	0.7	14.0
TD6	623525	7074058	19.0	1.0	1.0	19.0
TD7	623528	7074064	4.0	1.0	0.7	2.8
TD8	623547	7074072	14.5	1.0	1.0	14.5
TD9	623554	7074056	9.0	1.0	1.0	9.0

Trenched/sampled area is floored by the Scottie Creek Assemblage with minor marble horizons. The most common country rocks are bi-micaceous – quartz $\pm$ garnet $\pm$ chlorite schists with abundant foliaform quartz lenses (phacoidal quartz), locally folded, crenulated or sheared and commonly disintegrated into soily matter. The foliation planes frequently strike east – west to northwest – southeast and dip under steep angles although medium angles are seen locally. Graphic representations of trenches with sample locations, gold and silver values and legend are in Figs. 28 to 33 below.

In total, twenty nine chip and/or discontinuous channel samples (619253 to 619279 and 27851 to 27865) were taken from trenches and from nearby outcrops. Three float samples (559662 to 559664) were taken in 2016 from 2016 soil grid area. The assays range from <0.2 to 1.8 ppb gold and all silver assays are below DL. The assays of lentiform, foliaform quartz commonly vuggy and rarely associates with fine grained, black tourmaline. Iron-oxidic stains and infiltrations are common. The assays range from <0.5 to 1.6 ppb gold and all samples returned silver below DL.

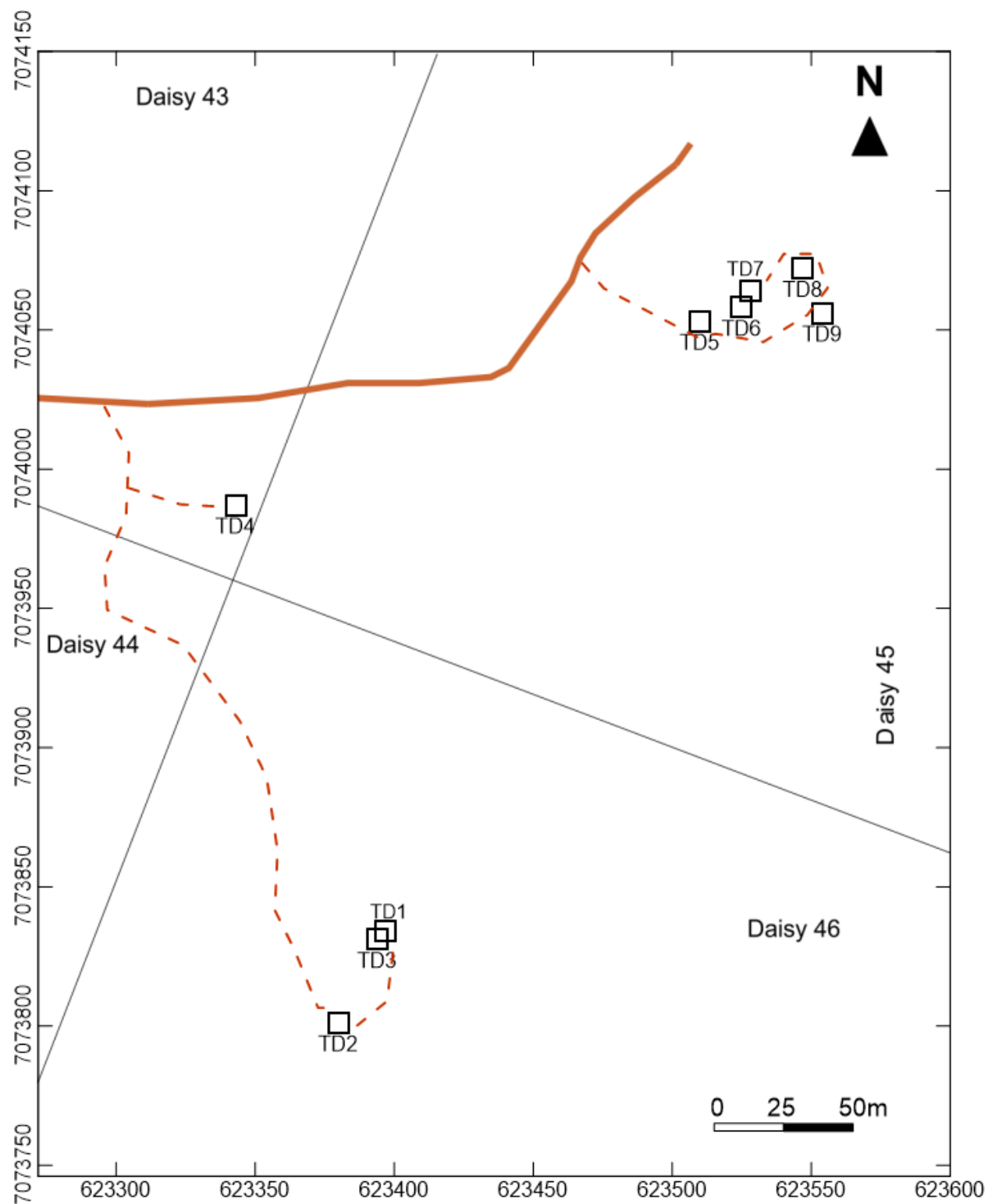


Fig. 28: Location of trenches TD1 to TD9.

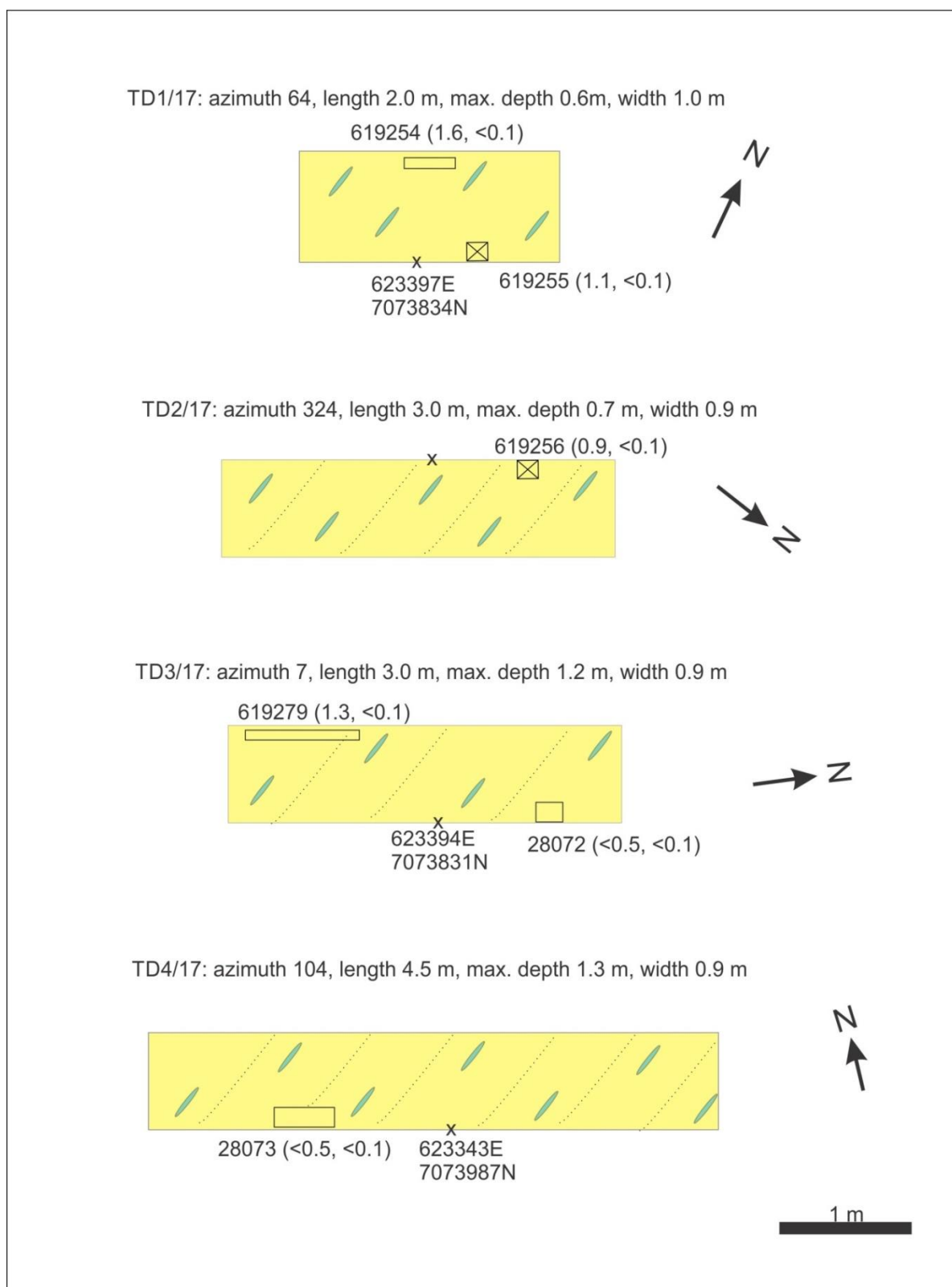


Fig. 29: Trenches TD1 to TD4 with location of samples, gold (ppb) and silver (ppm) values (in brackets).

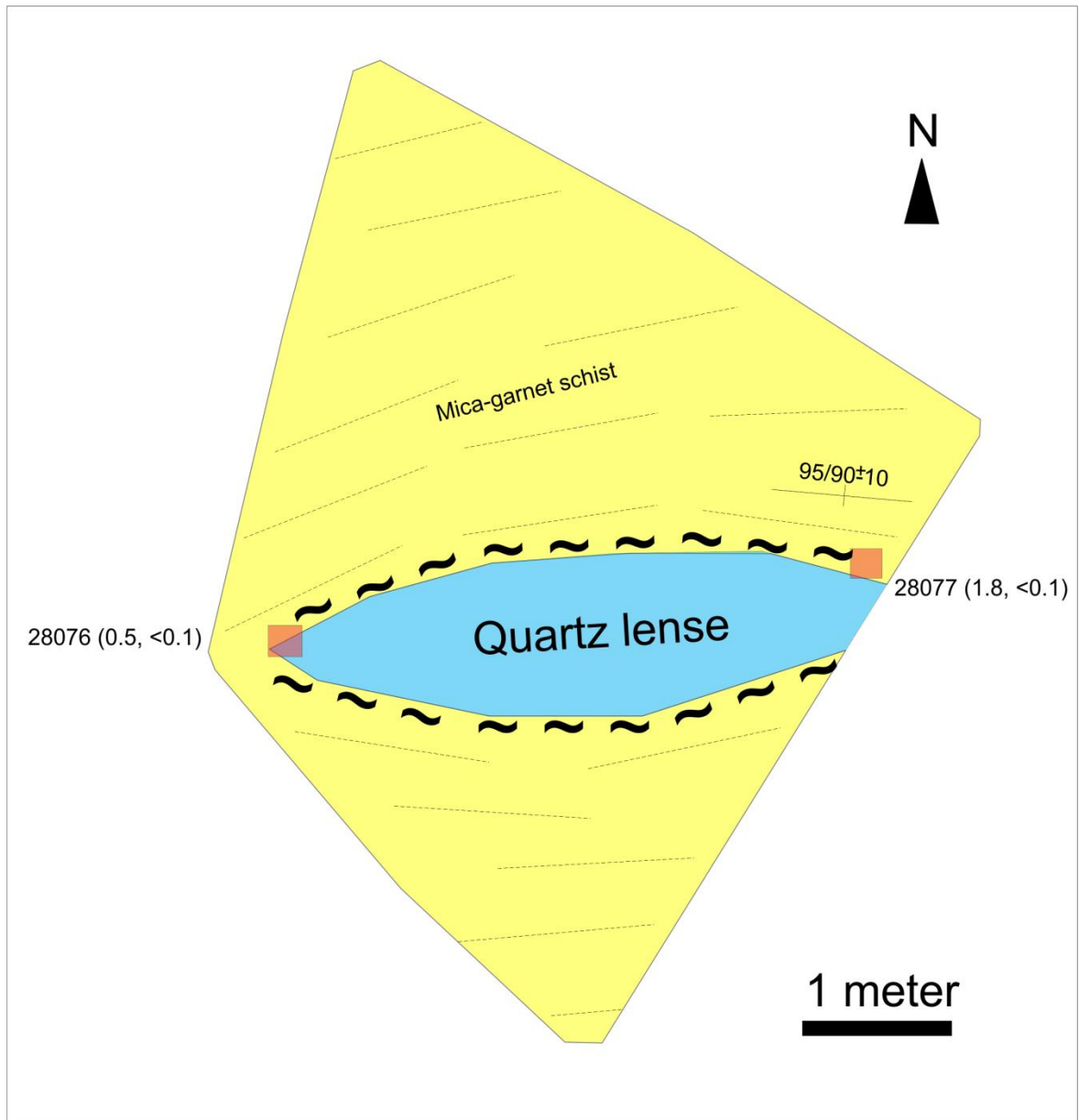


Fig. 30: Trench TD5 with location of samples, gold (ppb) and silver (ppm) values (in brackets).

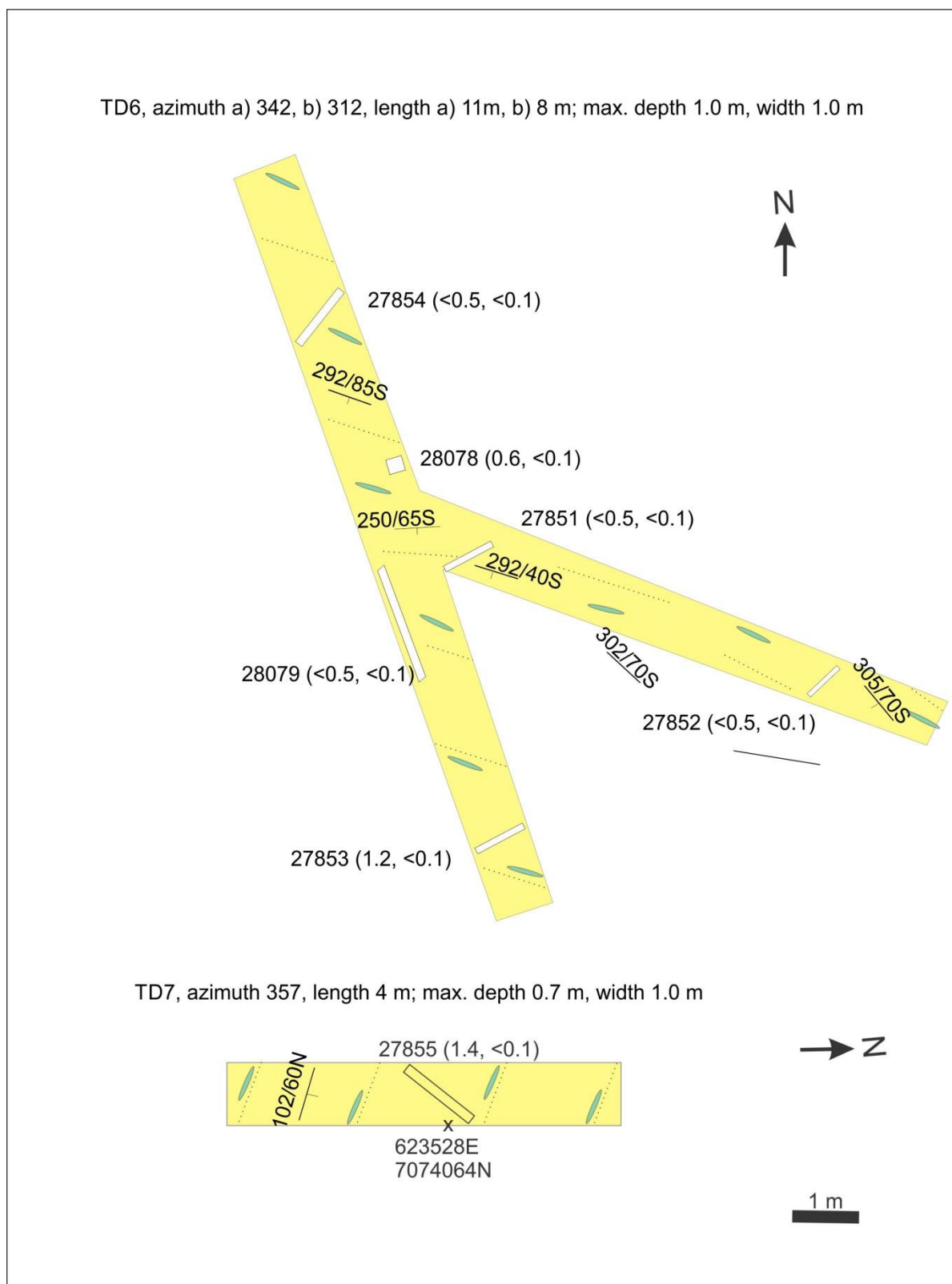


Fig. 31: Trenches TD6, TD7 with location of samples, gold (ppb) and silver (ppm) values (in brackets).

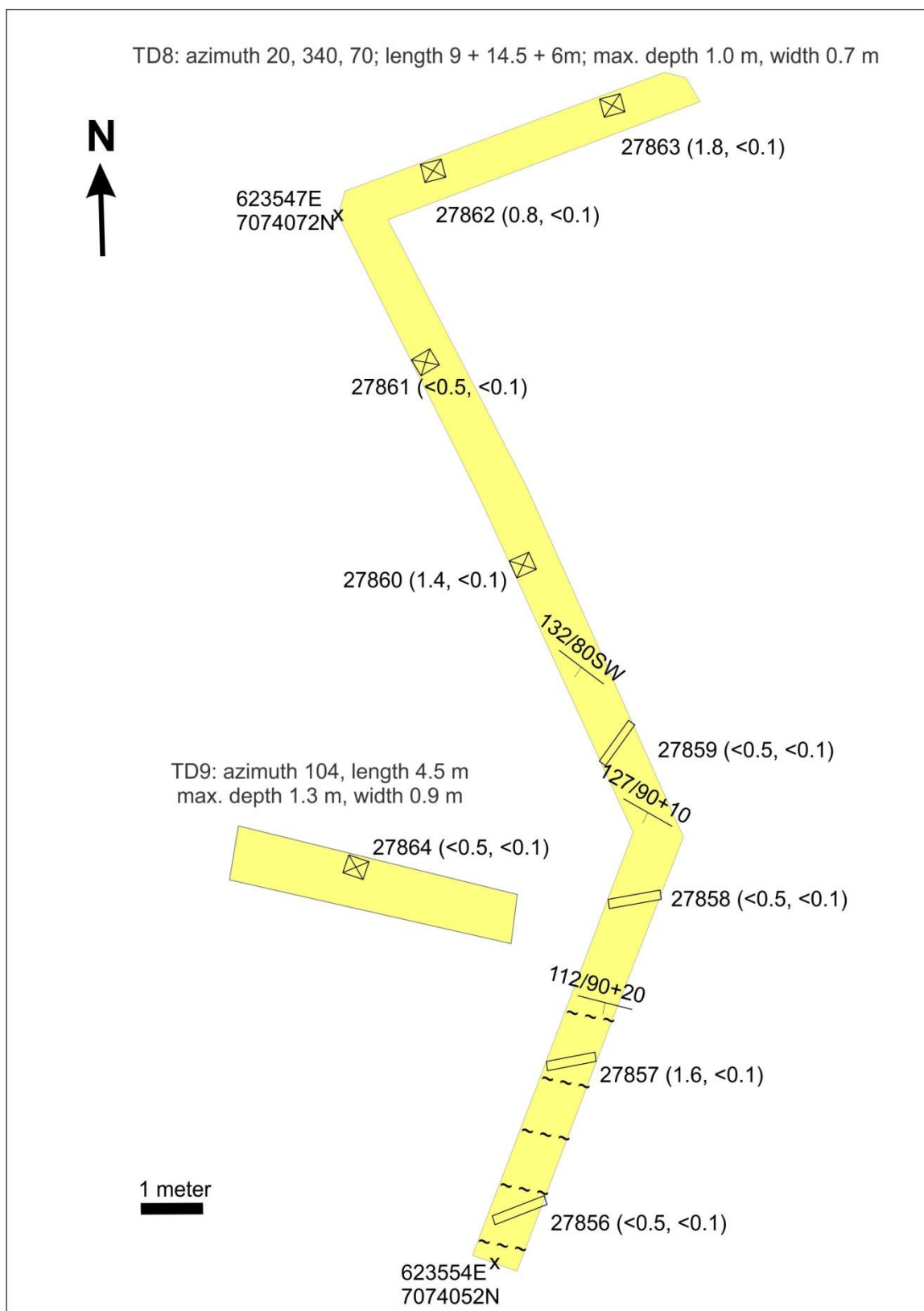


Fig. 32: Trenches TD8, TD9 with locations of samples, gold (ppb) and silver (ppm) values (in brackets).

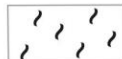
LEGEND



Mica, bi-mica, quartz, garnet $\pm$ chlorite schist



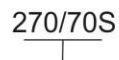
Quartz lenses



Shearing



Foliation



Foliation with strike and dip



Chip sample with gold and silver value (in ppb)



Vertical chip channel sample with gold and silver value (in ppb)



Discontinuous chip channel sample with gold and silver value (in ppb)

Fig. 33: Legend to trench drawings.

6. SAMPLE PREPARATION AND ANALYSIS

After collection, chip, discontinuous channel and float samples were placed in standard, polypropylene bags, provided with tags with sample numbers and closed with flagging tape. Sample locations were recorded using GPS in NAD 83 (zone 7V) projection. The samples were not modified after collection and the writer personally dispatched samples to Bureau Veritas Laboratories (“BVL”) in Whitehorse for preparation. The analysis was conducted at BVL in Vancouver.

BVL are registered or are pending registration to ISO 9001. Additionally a number of analytical hubs have received ISO/IEC 17025 accreditation for specific laboratory procedures. Details of BVL accreditation can be viewed at www.scc.ca.

During the sample preparation, BVL continually monitors the efficiency of crushing and pulverizing to ensure that a representative portion of each sample submitted is prepared. Sample duplicates are created and analyzed for all rock submitted.

In addition to routine calibration solutions the laboratory inserts reference materials, replicates and blanks into randomly assigned positions within each analytical rack generated by BVL proprietary LIMS. These QC materials provide a final verification of the entire analytical process. Data review and evaluation is the final layer that is made up of sophisticated proprietary software and professional personnel reviewing the data.

A modified *aqua regia* digestion and ICP-ES/MS for 36 elements (code AQ202) or for 37 elements (code AQ252) are used to determine low to ultra-low contents in soils, sediments and rocks. Larger splits (15 or 30 g) give a more representative analysis of elements subject to nugget effect (e.g. Au). Gold solubility can be limited in refractory and graphitic samples.

Lead collection fire assay fusion (code FA 430) is a classic method for total sample decomposition. Total Au content is determined by digesting an Ag dore bead and then analysing by AAS, ICP-ES, or ICP-MS.

The BVL’s assay certificates are attached at the back of this report (Appendix III). Descriptive statistics are presented in Tables 2, 4, 6 and 8 and correlations are in Tables 3, 5, 7 and 9.

7. QUALITY ASSURANCE

BVL has implemented a comprehensive quality management system meeting the requirements of ISO/IEC 17025 and ISO 9001 to ensure the necessary processes and oversight are in place to achieve this goal. Through the process of external auditing by recognized organizations, BVL facilities maintain ISO registrations and accreditations. These registrations and accreditations provide independent verification that the management systems have been implemented and meet the requirements of the ISO standards.

The BVL Quality Assurance (QA) program for the CDGCB samples included repeat, standard and blank analyses and correction calibrations were made as needed. Coccinella's sample set included thirteen field duplicates to independently check the laboratory performance and the results for gold and silver are presented in Fig. 34 a, b below.

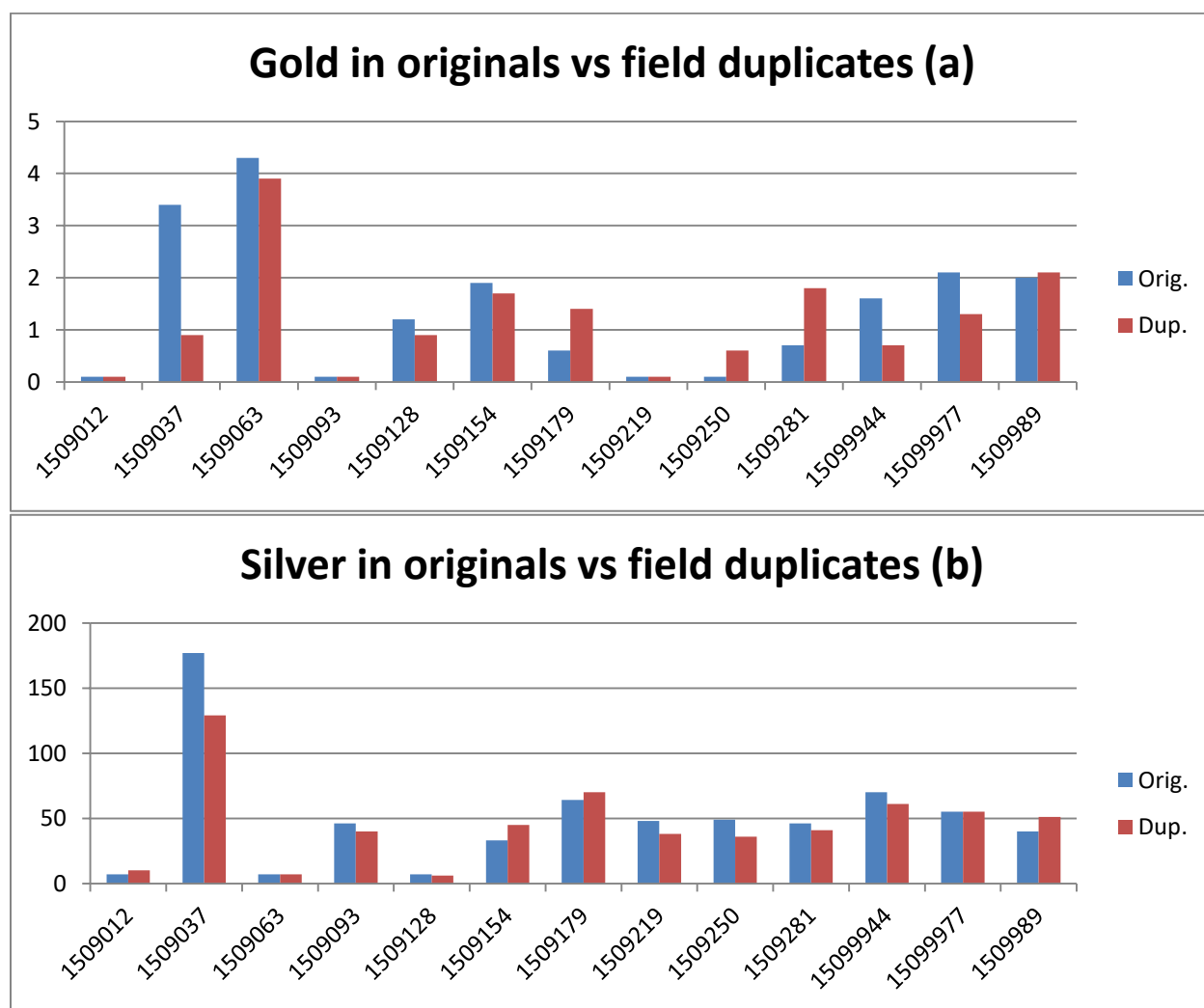


Fig. 34 a, b: Gold and silver in originals and field duplicates.

As shown, gold in most field duplicates is compatible with their originals. A few notable discrepancies include samples 1509037, 1509179 and 1509281, in which the field duplicates differ by more than 100% from their originals. The discrepancies can be explained as a nugget effect. Differences in silver are less distinct than those in gold.

Most blanks that were measured for this project assayed values below detection limit. In conclusion we can state that the assays made by BVL for this project meet the industry standards and are acceptable for this stage of the project.

8. CONCLUSIONS AND RECOMMENDATIONS

Coccinella's 2016 and 2017 soil and rock geochemistry programs included collection of 652 soil samples from spur lines and three grids and 29 rock samples from nine trenches and/or from outcrops. The results brought about new information on the precious metal mineralization, which can be used as a guide for future work on the CDGCB.

In 2016, soil samples from spur lines situated on Coco and Daisy claims returned several anomalous gold values particularly in the western portion of the claim block (Fig. 5). There are several historical workings in that area, which targeted the quartz veins trending north to northwest. Other though more isolated gold anomalies ranging from 10.8 to 30.8 ppb occur in southern portion of Coco claim block and western portion of Daisy claim block. Coccinella's next work should focus on these areas. Mechanical trenching is recommended for the southwestern portion of Coco claim block to expose, investigate and sample the vein system thoroughly.

The 2016 soil sampling grid on Daisy claims includes an isolated gold anomaly (14.5 ppb Au) at the northern margin (Figs. 7, 13, 14). Many vein quartz fragments were found along the ridge just south of this anomaly. Three quartz samples from the ridge area (Fig. 6) however returned gold and/or silver values below detection limits. We recommend further soil sampling north of the gold anomaly on the 2016 grid.

The assays of soil samples from the 2017 Daisy grid range from <0.2 ppb to 3 ppb gold and 11 to 146 ppb silver (Fig. 15, Table 7). Ubiquitous vein quartz fragments, boulders and/or sub-crops were noted on the grid area indicating a quartz vein system may occur below the overburden. Scottie Creek and Snowcap (marble) assemblage rocks floor the grid area and correlations among zinc, chromium, nickel and magnesium indicate the presence of carbonate rocks such as marble and/or altered ophiolites (listwanites).

The 2017 soil sampling grid on the Gertie claims was laid on top of a topographic elevation because the surrounding, lower-lying claim areas are covered by gravel deposits (Figs. 22-27). The assays range from 0.6 to 6.6 ppb gold and 9 to 125 ppb silver. The bedrock is made up of

Scottie Creek and Snowcap (marble) assemblage rocks. The assays show strong correlations among As, Sb and Hg (Table 9) indicating an association with epithermal mineralization.

Based on the Coccinella's 2016 – 2017 fieldwork and assays results further work on the CDGCB is justified and warranted and we recommend further soil sampling and outcrop mapping and sampling in the extensions of anomalous areas as indicated above. Contingent on the results, mechanical trenching would be recommended to test the bedrock below the anomalous gold and/or silver values in soil.

9. XYQUEST MINING CORP'S 2016 – 2017 EXPLORATION EXPENSES

Geologist (B. B. Molak, 28 days @ \$ 600/day)	16,800.00
Geologist (R. A. Doherty, 5 days @ \$ 600/day)	3,000.00
Geologist (L. Blackburn, 6 days @ \$ 600/day)	3,600.00
Assistant (B. Ettlinger, 14 days @\$ 350/day)	4,900.00
Sampler (C. Studer, 5 days @ \$ 350/day)	1,750.00
Sampler (M. Esteva, 6 days @\$ 350/day)	2,100.00
Sampler (J. F. Bisson 6 days @\$ 350/day)	2,100.00
Assistant (R. Eyolfson, 28 days x 350)	9,800.00
Assistant (A. Molak, 16 days x 350)	5,600.00
Assistant (J. Pelletier, 4 days x 350)	1,400.00
Truck (mileage, gas, oil, 28 days @ \$ 75/day)	2,100.00
Truck (mileage, gas, oil, 12 days) @ \$75/day)	900.00
ATV (mileage, gas, oil, 12 days) @ \$40/day)	480.00
Assays (652 samples @ \$40/sample)	26,080.00
Walkie-talkie rental (28 days @ 20/day)	560.00
Digitization, report (10%)	8,117.00
Total:	89,287.00

10. REFERENCES

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- Ash, C.H., 2006, Setting of the gold-quartz vein lode source for placers within the Klondike goldfields, west-central Yukon, Canada; *Society of Econ. Geologists*, 2006 Keystone Conference May 14-16, Wealth Creation in the Minerals Industry, Poster and extended abstract, p. 109-114.
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11. STATEMENT OF QUALIFICATIONS

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

I am a self-employed Professional Geoscientist residing at 312 – 9298 University Crescent, Burnaby, BC., V5A 4X8, Canada.

I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (License No. 28600) in good standing.

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.

My geological practice includes research, prospecting, and exploration for precious, base, ferrous and other metals in Slovakia, Zambia, Cuba, Guinea, Canada, Chile and Argentina.

Since July 2003 until present I am a self-employed Geoscientist.

I conducted the field work and supervised the exploration programs on the Coco – Daisy - Gertie Claim Block intermittently in 2016 and 2017.

I am responsible for all items but item Exploration Expenses in this report. The sources of all information not based on personal examination are quoted in the References Chapter.

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.

I am independent of Coccinella Mining Corp.

Dated at Vancouver, BC, Canada, this 5th day of October, 2020.



APPENDIX I

Soil and rock sample descriptions, Coco, Daisy and Gertie Claim Block with gold, silver, copper, lead, zinc and arsenic values

Spur lines on Coco and Daisy Claims (2016)

Easting	Northing	Sample#	SoilColor	Rock fragments (shape, %)		Texture	Hrzn	Depth	Au	Ag	Cu	Pb	Zn	As
616581	7080661	1509001	Grey	Sub Angular	10-30%	Sandy	C	40	2.6	25	19.62	7.8	52.7	2.4
616561	7080714	1509002	Brown	Angular	<10%	Sandy	C	60	1.2	27	23.87	4.28	60.6	2.4
616547	7080774	1509003	Brown	Angular	30-50%	Sandy	C	30	0.6	67	25.34	7.65	46.1	6.8
616164	7080172	1509004	Grey	Angular	<10%	Sandy	C	60	<0.2	25	10.69	8.99	32.1	2.4
616126	7080135	1509005	Orange	Sub Angular	<10%	Sandy	C	50	1	9	17.33	3.29	62.1	2
616086	7080103	1509006	Grey	Angular	10-30%	Silty	C	50	1.3	52	9.42	8.64	27.6	4.3
616043	7080072	1509007	Orange	Angular	30-50%	Sandy	C	40	1.2	61	24.86	6.49	36.8	4.4
616001	7080036	1509008	Brown	Angular	10-30%	Sandy	C	60	0.7	18	18.2	3.92	51.3	1.4
615961	7080003	1509009	Orange	Sub Angular	10-30%	Sandy	C	80	0.7	7	39.12	2.06	48.4	1.2
615935	7079958	1509010	Orange	Angular	10-30%	Sandy	C	70	1	14	18.89	4.51	59.1	2.1
615896	7079922	1509011	Brown	Angular	10-30%	Sandy	C	70	0.6	23	31.5	8.1	55.2	10.9
615861	7079884	1509012	Orange	Angular	10-30%	Sandy	C	80	<0.2	7	13.9	3.84	23.3	1.5
615861	7079884	1509013	Orange	Angular	10-30%	Sandy	C	80	<0.2	10	15.21	4.03	23.2	1.7
615833	7079842	1509014	Brown	Sub Angular	10-30%	Sandy	C	70	0.6	21	19.35	6.63	41	1.5
616985	7081020	1509040	Brown	Angular	30-50%	Silty	C	60	<0.2	15	49.41	4.7	29.6	2
616940	7080994	1509041	Orange	Angular	10-30%	Sandy	C	110	0.5	19	42.59	6.23	55.4	3.4
616893	7080977	1509042	Green	Angular	30-50%	Sandy	C	50	<0.2	11	62.85	2.45	30.3	1.3
616844	7080959	1509043	Brown	Angular	30-50%	Sandy	C	60	0.5	10	32.07	6.35	62.6	4
616797	7080935	1509044	Grey	Angular	10-30%	Sandy	C	60	0.2	13	27.06	3.7	45.4	2.2
616745	7080927	1509045	Orange	Angular	10-30%	Sandy	C	80	1.6	95	34	18.21	61.9	5
616699	7080908	1509046	Brown	Angular	10-30%	Sandy	C	110	<0.2	31	26.27	2.08	48.7	0.6
616651	7080877	1509047	Brown	Angular	30-50%	Sandy	C	40	1	59	21.7	40.72	94.2	3.8
616599	7080853	1509048	Brown	Angular	10-30%	Sandy	C	60	0.7	176	57.48	97.82	276.3	3.3
616559	7080834	1509049	Brown	Angular	10-30%	Sandy	C	50	1.2	58	27.08	15.92	57.9	3.8
616516	7080875	1509050	Brown	Angular	10-30%	Sandy	C	50	<0.2	34	31.63	6.41	57.7	4.2

616905	7079742	1509101	Orange	Sub Angular	<10%	Sandy	C	20	<0.2	10	24.14	8.06	39.4	3.2
616902	7079633	1509102	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	<2	25.24	3.41	32.8	1.7
616886	7079587	1509103	Grey	Sub Angular	<10%	Sandy	C	70	<0.2	5	34.02	3.57	26.5	1.4
616865	7079543	1509104	Orange	Sub Angular	<10%	Sandy	C	70	<0.2	6	24.18	3.33	44.9	1.9
616844	7079497	1509105	Grey	Sub Angular	<10%	Sandy	C	70	<0.2	3	29.4	5.25	45	1
616824	7079451	1509106	Orange	Sub Angular	<10%	Sandy	C	80	<0.2	11	57.04	4.98	66.9	1.3
616804	7079406	1509107	Orange	Sub Angular	<10%	Sandy	C	70	<0.2	15	20.04	3.05	27.7	2
617665	7080941	1509139	Grey	Sub Angular	10-30%	Silty	C	70	1.8	8	42.5	4.85	94.6	7.8
617617	7080962	1509140	Grey	Sub Angular	<10%	Silty	C	100	3.8	19	33.92	3.98	85.2	5.3
617577	7080987	1509141	Grey	Angular	10-30%	Gravel	C	50	0.8	4	40.86	2.53	54.1	2.3
617530	7081013	1509142	Orange	Sub Angular	<10%	Sandy	C	80	0.7	53	57.35	5.66	72.9	2.7
617488	7081037	1509143	Grey	Sub Angular	<10%	Silty	C	80	0.2	54	33.88	11.85	40.6	2.5
617416	7081022	1509144	Grey	Sub Angular	<10%	Silty	C	80	0.6	135	35.54	13.53	91.4	6.8
617283	7081083	1509145	Brown	Sub Angular	<10%	Sandy	C	70	0.3	33	27.02	14.01	63.6	0.8
617221	7081106	1509146	Grey	Sub Angular	10-30%	Sandy	C	80	0.2	29	32.58	20.49	44.7	0.6
617178	7081095	1509147	Brown	Sub Angular	<10%	Sandy	C	60	4.1	185	38.2	36.47	73.8	9.8
617126	7081076	1509148	Orange	Sub Angular	<10%	Sandy	C	70	0.4	4	41.09	6.39	61.6	2.1
617081	7081057	1509149	Grey	Sub Angular	<10%	Sandy	C	60	0.3	5	42.62	7.88	70.1	1.2
617034	7081035	1509150	Green	Sub Angular	<10%	Sandy	C	90	<0.2	4	88.3	4.89	46.4	1.1
614350	7083992	1509160	Green	Angular	10-30%	Sandy	C	40	<0.2	15	65.88	3.1	67.4	3.7
614304	7084020	1509161	Brown	Angular	30-50%	Sandy	C	20	0.9	54	57.72	6.99	50.8	6.5
614263	7084052	1509162	Brown	Sub Angular	30-50%	Sandy	C	40	0.7	31	9.62	4.16	32.3	2.7
614220	7084075	1509163	Brown	Sub Angular	30-50%	Sandy	C	40	0.8	24	34.89	15.98	48.7	12.1
614193	7084117	1509164	Brown	Sub Angular	30-50%	Sandy	C	30	0.5	37	39.46	4.11	20.3	10.8
614163	7084158	1509165	Brown	Sub Angular	10-30%	Sandy	C	60	0.7	15	136.37	9.59	176.8	1.8
614115	7084175	1509166	Green	Angular	10-30%	Sandy	C	50	<0.2	9	4.17	2.89	39.4	1.7
614065	7084187	1509167	Brown	Sub Angular	10-30%	Silty	C	50	0.6	17	23.4	6.45	40.9	8
614019	7084166	1509168	Brown	Angular	30-50%	Sandy	C	30	0.6	20	7	5.8	24.8	4.5
613971	7084147	1509169	Brown	Angular	30-50%	Silty	C	30	3.1	51	31.53	18.99	114.1	26.1
613939	7084113	1509170	Brown	Angular	<10%	Silty	B	10	1.3	89	16.66	13.81	82	14.9
613883	7084105	1509171	Brown	Angular	30-50%	Sandy	C	20	0.4	151	29.98	57.71	79.7	8.8

613831	7084093	1509172	Brown	Angular	10-30%	Silty	B	20	1.5	95	24.47	15.76	51.9	11.7
613781	7084080	1509173	Brown	Angular	10-30%	Sandy	C	40	<0.2	17	41.8	4.79	14.9	2.3
613737	7084053	1509174	Brown	Angular	10-30%	Sandy	C	50	1.9	13	39.03	5.33	45.9	19.2
613691	7084029	1509175	Green	Angular	<10%	Sandy	C	60	0.3	5	61.55	2.24	78.7	1.7
613640	7084022	1509176	Brown	Angular	10-30%	Sandy	C	70	0.3	2	5.65	2.74	31.1	0.9
613593	7084006	1509177	Brown	Angular	10-30%	Sandy	C	60	3.9	22	35.99	10.63	67.3	1.9
613542	7084004	1509178	Orange	Angular	30-50%	Sandy	C	20	<0.2	15	4.91	5.06	10.8	3.7
613492	7083985	1509179	Grey	Angular	10-30%	Sandy	C	120	0.6	64	39.78	9.01	58.6	2.1
613492	7083985	1509180	Grey	Angular	10-30%	Sandy	C	120	1.4	70	36.43	8.91	57.6	3.6
613443	7083972	1509181	Brown	Angular	10-30%	Sandy	c	60	<0.2	18	13.94	10.19	38.9	0.8
613400	7083952	1509182	Grey	Angular	<10%	Sandy	C	80	<0.2	9	27.33	8.86	70.5	0.6
613361	7083918	1509183	Brown	Angular	10-30%	Sandy	C	70	<0.2	11	8	4.4	24.5	1.5
613323	7083887	1509184	Orange	Angular	30-50%	Sandy	C	20	2.2	48	15.9	11.39	44.6	4.8
613311	7083839	1509185	Brown		<10%	Silty	B	20	3.1	22	17.35	10.6	57.2	11.6
613300	7083793	1509186	Brown	Angular	10-30%	Sandy	C	30	0.6	5	18.77	4.52	47.3	2.6
613290	7083740	1509187	Brown	Angular	10-30%	Sandy	C	30	0.3	11	22.03	8.11	46.3	4.3
613269	7083694	1509188	Brown	Angular	10-30%	Sandy	C	40	<0.2	8	28.96	3.79	71.6	1.1
613280	7083644	1509189	Brown	Angular	30-50%	Silty	B	10	0.3	818	115.7	26.3	148.7	7.4
613269	7083594	1509190	Brown	Angular	10-30%	Silty	B	20	1.4	75	15.65	10.98	52.8	10.9
613263	7083543	1509191	Brown	Angular	10-30%	Silty	B	20	2.8	50	15.98	10.34	55.9	8.9
613252	7083493	1509192	Brown	Angular	10-30%	Sandy	C	20	0.7	30	4.96	42.01	13.4	3.7
613237	7083443	1509193	Brown		<10%	Silty	B	10	1.4	125	18.04	13.66	91	10.2
613223	7083391	1509194	Brown	Angular	10-30%	Sandy	C	30	2.4	22	26.84	11.7	87.4	8.9
613215	7083342	1509195	Brown	Angular	30-50%	Silty	C	20	1.2	33	24.14	6.85	100.2	4
613192	7083294	1509196	Brown	Angular	10-30%	Silty	B	20	0.4	91	38.21	15.87	91.7	7.2
613166	7083251	1509197	Brown	Angular	30-50%	Silty	B	10	0.6	31	14.3	6.64	36.8	3.6
613152	7081815	1509198	Brown	Angular	30-50%	Silty	B	20	3.9	143	33.91	12.76	71.7	16.5
613136	7081659	1509199	Brown	Angular	30-50%	Sandy	C	40	52.8	207	50.57	5.06	44.4	3.8
613125	7081554	1509200	Brown	Angular	30-50%	Sandy	C	20	0.9	160	42.06	8.17	60.9	6.4
614535	7081181	1509201	Brown	Sub Angular	<10%	Sandy	C	40	<0.2	8	18.02	3.17	32.7	1.9
614928	7081500	1509202	Brown	Sub Angular	<10%	Silty	C	40	0.3	29	60.78	54.54	182.7	2.4

614962	7081522	1509203	Grey	Sub Angular	<10%	Silty	C	50	<0.2	36	15.96	11.33	46.9	1.3
615010	7081542	1509204	Orange	Sub Angular	<10%	Sandy	C	80	0.5	34	27.37	14.34	19.6	1.7
615056	7081567	1509205	Grey	Sub Angular	<10%	Silty	C	70	0.4	40	5.99	10.84	30.2	0.7
615101	7081586	1509206	Grey	Sub Angular	<10%	Silty	C	70	<0.2	13	23.99	16.3	87	2.4
615148	7081604	1509207	Brown	Sub Angular	10-30%	Silty	C	40	<0.2	15	38.3	13.74	68.2	2.2
615194	7081629	1509208	Grey	Sub Angular	<10%	Silty	C	50	<0.2	70	40.52	24.6	42.5	3.7
615240	7081646	1509209	Grey	Sub Angular	<10%	Sandy	C	90	0.2	52	18.68	16.75	35.7	4.9
615284	7081667	1509210	Grey	Sub Angular	10-30%	Silty	C	80	<0.2	78	31.05	16.95	108.6	1.4
615330	7081689	1509211	Grey	Sub Angular	<10%	Sandy	C	80	<0.2	59	22.74	9.42	70.5	4.6
615374	7081711	1509212	Grey	Sub Angular	<10%	Sandy	C	80	<0.2	37	21.73	10.41	24.8	1.2
615421	7081733	1509213	Brown	Sub Angular	10-30%	Silty	C	90	<0.2	51	24.67	13.64	40.1	1.6
615464	7081752	1509214	Grey	Sub Angular	<10%	Silty	C	80	0.2	54	35.07	16.36	42.3	1.2
615517	7081774	1509215	Grey	Sub Angular	<10%	Silty	C	60	<0.2	10	28.3	5.56	41.2	1.6
615607	7081767	1509216	Grey	Sub Angular	<10%	Silty	C	60	0.8	67	31.67	19.64	23.8	2.3
615644	7081740	1509217	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	89	36.59	13.45	40.9	0.8
615688	7081714	1509218	Grey	Sub Angular	<10%	Silty	C	60	1	121	33.13	39.23	159.4	1.7
615731	7081688	1509219	Brown	Sub Angular	<10%	Sandy	C	80	<0.2	48	23.76	19.17	45	0.9
615731	7081688	1509220	Brown	Sub Angular	<10%	Sandy	C	80	<0.2	38	22.16	16.21	45	0.8
615779	7081673	1509221	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	42	24.56	5.76	53.5	0.6
615820	7081638	1509222	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	9	26.93	8.76	56.6	0.9
615860	7081610	1509223	Brown	Sub Angular	<10%	Sandy	C	20	<0.2	8	18.7	7.9	65.6	4.3
615907	7081586	1509224	Grey	Sub Angular	<10%	Silty	C	20	0.4	36	27.88	23.63	53.4	8.8
615932	7081566	1509225	Brown	Sub Angular	<10%	Silty	C	30	2.9	28	51.29	26.2	46.9	5.4
615970	7081538	1509226	Brown	Sub Angular	<10%	Sandy	C	60	0.7	9	40.9	4.37	104.6	2.5
616015	7081512	1509227	Grey	Sub Angular	<10%	Silty	C	70	0.9	73	17.5	19.23	32.3	2.4
616057	7081482	1509228	Grey	Sub Angular	<10%	Silty	C	60	1.1	77	24.48	29.09	33	3.1
616101	7081455	1509229	Grey	Sub Angular	<10%	Sandy	C	60	0.7	38	52.58	12.25	87.7	1.5
616137	7081423	1509230	Grey	Sub Angular	<10%	Sandy	C	40	<0.2	26	61.5	31.91	64.3	2.2
614283	7080940	1509231	Brown	Sub Angular	<10%	Sandy	C	60	0.8	16	30.73	13.83	48.6	11.4
614387	7083961	1509232	Grey	Sub Angular	<10%	Sandy	C	60	0.7	5	26.79	1.6	24.4	1.3
614431	7083928	1509233	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	8	65.13	2.58	33.8	0.9

614464	7083892	1509234	Grey	Sub Angular	<10%	Sandy	C	60	1.5	14	39.13	5.79	70.6	4.3
614514	7083867	1509235	Brown	Sub Angular	<10%	Silty	C	20	2.2	24	19.2	11.61	55.8	10.3
614557	7083824	1509236	Grey	Sub Angular	<10%	Sandy	C	50	0.6	15	27.37	8.75	104.7	3.7
614587	7083782	1509237	Brown	Sub Angular	<10%	Sandy	C	40	0.4	5	41.84	9.36	51.7	1.4
614609	7083730	1509238	Brown	Sub Angular	<10%	Silty	B	30	2.2	75	14.91	10.39	102.5	7.3
614630	7083686	1509239	Brown	Sub Angular	<10%	Silty	C	30	0.6	40	20.16	9.48	70.5	8.4
614655	7083639	1509240	Brown	Sub Angular	<10%	Silty	C	30	0.3	37	11.83	9.47	47.6	5.3
614667	7083591	1509241	Brown	Sub Angular	<10%	Sandy	C	40	0.9	30	36.85	7.7	54.6	4.9
614669	7083538	1509242	Brown	Sub Angular	<10%	Sandy	B	20	1.6	41	21.99	11.03	61.6	11.7
614682	7083493	1509243	Brown	Sub Angular	<10%	Silty	B	20	0.7	66	25.93	10.08	48.5	8.2
614701	7083446	1509244	Brown	Sub Angular	<10%	Sandy	C	30	<0.2	13	52.77	10.38	52.7	4.2
614730	7083400	1509245	Brown	Sub Angular	<10%	Silty	B	30	1.5	36	26.78	8.69	46.2	6.7
614732	7083346	1509246	Brown	Sub Angular	<10%	Silty	B	20	<0.2	126	23.97	7.45	95.1	4.9
614735	7083316	1509247	Brown	Sub Angular	<10%	Sandy	C	60	<0.2	32	61.49	9.59	70.6	3.3
614749	7083270	1509248	Brown	Sub Angular	<10%	Sandy	C	60	0.5	90	32.67	20.67	45.8	1.1
614773	7083225	1509249	Brown	Sub Angular	<10%	Silty	C	60	0.8	56	29.16	28.09	60.4	5.5
614798	7083178	1509250	Brown	Sub Angular	<10%	Silty	C	60	<0.2	49	20.89	15.33	41.4	2.4
614798	7083178	1509251	Brown	Sub Angular	<10%	Silty	C	60	0.6	36	32.63	6.59	58.1	5
616515	7080928	1509252	Brown	Angular	10-30%	Sandy	C	60	0.3	47	20.89	22.24	73.3	5.4
616503	7080986	1509253	Brown	Angular	10-30%	Sandy	C	40	1	50	13.37	77.73	568.7	5.6
616499	7081041	1509254	Brown	Angular	10-30%	Sandy	C	40	<0.2	8	48.03	5.88	76.7	15.1
616477	7081091	1509255	Brown	Angular	10-30%	Sandy	C	50	<0.2	21	36.99	30.64	36.4	1.3
616451	7081142	1509256	Orange	Angular	10-30%	Sandy	C	80	1	20	60.01	37.87	119.1	23.8
616434	7081191	1509257	Brown	Angular	10-30%	Sandy	C	80	<0.2	71	19.59	21.73	40.2	0.9
616405	7081236	1509258	Brown	Angular	10-30%	Sandy	C	40	<0.2	94	29.06	28.58	50.7	1.8
616362	7081272	1509259	Brown	Angular	10-30%	Sandy	C	50	<0.2	78	24.37	23.89	70.4	2.1
616315	7081303	1509260	Brown	Angular	10-30%	Sandy	C	40	2.6	84	37.44	15.82	89.8	4
616266	7081325	1509261	Brown	Angular	10-30%	Sandy	C	60	0.9	50	34.8	22.74	44	1
616218	7081357	1509262	Grey	Angular	10-30%	Sandy	C	70	2.1	97	23.69	20.21	67.7	2.7
616176	7081392	1509263	Brown	Angular	30-50%	Sandy	C	70	0.9	404	35.28	1910	1596	2.8
614995	7082891	1509264	Grey	Angular	10-30%	Silty	C	60	<0.2	63	22.13	24.49	37.7	1.4

615033	7082856	1509265	Brown	Angular	10-30%	Sandy	C	40	3.1	84	16.15	23.58	29.3	2.8
615070	7082813	1509266	Brown	Angular	10-30%	Sandy	C	60	2.4	84	28.57	18.6	27.2	5.6
615086	7082758	1509267	Brown	Angular	10-30%	Sandy	C	80	1.3	65	22.74	24.3	112.5	1.7
615094	7082704	1509268	Brown	Angular	30-50%	Silty	C	50	1.8	110	26.12	21.22	54.5	6.9
615102	7082653	1509269	Orange	Angular	10-30%	Sandy	C	100	1.1	10	13.25	14.12	71.7	0.3
615114	7082601	1509270	Brown	Angular	10-30%	Sandy	C	50	1.4	67	19.94	12.31	36.3	1.1
615138	7082552	1509271	Brown	Angular	10-30%	Sandy	C	80	2.6	197	30.42	44.18	80	2.2
615160	7082502	1509272	Brown	Angular	10-30%	Sandy	C	100	1.2	97	35.28	5.85	50	0.8
615178	7082455	1509273	Orange	Angular	10-30%	Sandy	C	40	2.4	53	7.6	44.21	26.5	4.7
615209	7082411	1509274	Grey	Angular	30-50%	Sandy	C	80	1.2	32	29.47	6.18	119.1	1
615237	7082365	1509275	Grey	Angular	10-30%	Silty	C	100	2	55	26.77	13.27	34.1	1.3
615272	7082325	1509276	Grey	Sub Angular	10-30%	Sandy	C	70	1.4	14	28.39	2.56	34.3	0.8
615311	7082288	1509277	Grey	Angular	30-50%	Sandy	C	70	1.3	40	35.19	8.67	33.7	0.6
615338	7082246	1509278	Brown	Angular	10-30%	Sandy	C	60	0.4	69	21.44	11.64	26.9	1.5
615373	7082214	1509279	Brown	Sub Angular	10-30%	Sandy	C	40	2.5	72	21.55	22.12	26.1	1.9
615399	7082164	1509280	Grey	Sub Angular	10-30%	Silty	C	80	3.4	55	31.79	31.3	29.1	0.6
615421	7082115	1509281	Grey	Angular	10-30%	Sandy	C	110	0.7	46	19.1	12.93	41.6	1.6
615421	7082115	1509282	Grey	Angular	10-30%	Sandy	C	110	1.8	41	18.55	13.34	41.2	1.5
615424	7082064	1509283	Grey	Angular	10-30%	Sandy	C	80	1.3	28	22.03	9.07	45.8	1
615459	7082019	1509284	Brown	Angular	10-30%	Sandy	C	100	0.6	19	16.03	4.95	31.9	0.5
615466	7081970	1509285	Brown	Angular	30-50%	Sandy	B	30	0.7	105	19.34	13.47	26	3.2
615488	7081922	1509286	Brown	Angular	30-50%	Silty	B	40	3	82	13.2	21.44	83	5
615512	7081857	1509287	Brown	Angular	10-30%	Sandy	C	50	0.7	75	31.85	35.87	60.4	2.9
613071	7082550	1509288	Grey	Angular	10-30%	Sandy	C	110	2.6	97	39.03	14.22	111.5	5.9
613086	7082502	1509289	Brown	Angular	30-50%	Sandy	B	30	2	69	41.44	9.11	97.4	6
613124	7082467	1509290	Brown	Angular	10-30%	Sandy	C	110	<0.2	26	47.07	7.43	61.7	0.8
613147	7082419	1509291	Brown	Angular	10-30%	Sandy	C	70	1.5	103	68.83	5.8	1497	2.4
613172	7082377	1509292	Grey	Angular	30-50%	Silty	C	70	5.7	877	58.77	119.8	31.4	6
613196	7082277	1509293	Brown	Angular	30-50%	Silty	B	30	8	296	32.83	27.44	58.3	14.6
613213	7082226	1509294	Grey	Angular	50-70%	Silty	B	30	2	508	12.85	73.17	37.9	15
613203	7082176	1509295	Green	Angular	30-50%	Silty	C	40	5.5	352	14.41	91.78	58.4	27.4

613202	7082126	1509296	Brown	Sub Angular	10-30%	Sandy	C	70	7.6	113	76.3	19.47	58.9	19.7
613182	7082078	1509297	Brown	Angular	30-50%	Silty	B	50	3.5	75	38.17	11.46	62.7	11.9
613154	7082027	1509298	Orange	Sub Angular	10-30%	Sandy	C	50	2.9	37	85.09	10.5	90	10.6
613154	7081973	1509299	Brown	Sub Angular	10-30%	Sandy	C	40	0.3	90	102.19	9.34	94.7	4.8
613162	7081920	1509300	Orange	Sub Angular	10-30%	Sandy	B	30	1.2	127	66.69	16.14	87.2	9.1
614840	7083145	1509301	Brown	Sub Angular	<10%	Sandy	B	30	0.3	63	35.98	45.92	130.4	2.2
614858	7083098	1509302	Brown	Sub Angular	<10%	Sandy	C	60	0.5	159	34.75	32.24	49.2	1.1
614887	7083059	1509303	Brown	Sub Angular	<10%	Sandy	C	70	0.6	97	27.01	17.03	43.8	4.6
614908	7083012	1509304	Brown	Sub Angular	<10%	Silty	B	30	3.4	249	26.34	66.1	52.6	9.4
614933	7082969	1509305	Grey	Sub Angular	<10%	Silty	C	50	2	174	24.98	11.59	34.1	19.3
614958	7082923	1509306	Brown	Sub Angular	<10%	Sandy	C	60	0.6	69	29.65	22.05	41.7	2.2
613151	7083203	1509307	Brown	Sub Angular	<10%	Silty	B	20	10.8	163	20.32	11.55	54.7	11.5
613111	7083150	1509308	Brown	Sub Angular	<10%	Silty	C	60	15.6	717	40.48	36.21	163.9	44.1
613078	7083116	1509309	Brown	Angular	10-30%	Silty	C	20	0.3	127	36.03	14.64	41.4	8.6
613039	7083083	1509310	Brown	Angular	10-30%	Silty	B	20	<0.2	58	29.59	9.42	44.6	7.8
613014	7083037	1509311	Brown	Sub Angular	10-30%	Silty	B	20	3.6	374	19.73	10.85	121.7	10.6
612996	7082988	1509312	Brown	Angular	10-30%	Silty	B	30	1.8	52	34.89	14	96.9	15.9
612970	7082949	1509313	Brown	Angular	10-30%	Silty	B	30	4.4	107	62.81	12.11	86.5	11.5
612944	7082903	1509314	Brown	Angular	10-30%	Silty	B	30	4.5	58	46.59	9.76	81.6	11.3
612912	7082865	1509315	Brown	Sub Angular	<10%	Silty	B	20	9.3	366	107.23	10.98	55.4	18.6
612883	7082824	1509316	Brown	Sub Angular	<10%	Silty	B	30	7.7	164	47.28	12.16	57.6	10.4
612908	7082779	1509317	Brown	Sub Angular	<10%	Silty	C	40	0.2	47	59.29	9.77	74.4	7.9
612926	7082731	1509318	Brown	Sub Angular	10-30%	Silty	B	30	2.1	146	111.88	8.02	76.1	10.6
612957	7082690	1509319	Brown	Angular	10-30%	Silty	B	30	1.8	183	61.37	7.98	51.1	8.3
612987	7082656	1509320	Brown	Sub Angular	<10%	Silty	B	30	0.2	73	87.9	9.38	90.3	4.2
613031	7082606	1509321	Brown	Angular	10-30%	Silty	B	30	1.7	605	40.6	12.41	56.5	12.2
613152	7081760	1509322	Brown	Sub Angular	<10%	Sandy	C	4	4.5	143	83.91	7.01	88.3	3.9
613152	7081707	1509323	Brown	Sub Angular	30-50%	Sandy	C	30	15.2	142	104.19	8.73	92	14.4
613110	7081505	1509324	Grey	Sub Angular	<10%	Silty	C	70	1.1	41	70.67	8.5	87.4	4.5
613088	7081402	1509325	Brown	Sub Angular	30-50%	Gravel	B	40	1.7	73	18.39	12.14	60.7	12.5
613085	7081254	1509326	Brown	Sub Angular	<10%	Sandy	C	50	3.4	78	110.12	10.6	86.7	5.7

613115	7081104	1509327	Brown	Sub Angular	<10%	Silty	B	40	9	88	178.85	8.98	67	4.7
614763	7080212	1509850	Brown	Angular	<10%	Sandy	C	120	1	21	114.4	5.06	65.8	1.6
616514	7080821	1509870	Brown	Angular	10-30%	Sandy	C	50	0.4	20	30.18	5.16	37.4	1.1
615253	7080467	1509871	Brown	Angular	10-30%	Sandy	C	90	2.3	74	27.66	54.74	159	4.5
615325	7080525	1509872	Brown	Angular	10-30%	Sandy	C	60	5.6	107	34.95	40.47	99	2.3
615442	7080612	1509873	Brown	Angular	10-30%	Sandy	C	100	1.2	77	28.06	29.16	143.9	1.7
615633	7080671	1509874	Brown	Angular	10-30%	Sandy	C	100	3.8	93	27.36	17.07	53.6	9.3
615534	7080651	1509875	Brown	Angular	10-30%	Sandy	C	80	1.3	136	24.27	24.83	91.7	2.7
615777	7080703	1509876	Orange	Angular	10-30%	Sandy	C	100	0.8	67	24.26	15.26	51.1	1
615875	7080716	1509877	Grey	Angular	10-30%	Sandy	C	70	1	97	19.75	23.86	192.5	1.4
615976	7080696	1509878	Grey	Angular	10-30%	Sandy	C	40	0.5	16	7.55	6.36	49.8	4.3
616079	7080703	1509879	Brown	Angular	10-30%	Sandy	C	100	1.2	111	40.95	11.1	41.6	6.1
616184	7080712	1509880	Brown	Angular	10-30%	Sandy	C	80	0.7	52	30.12	10.99	48.4	2.5
616281	7080731	1509881	Grey	Angular	10-30%	Sandy	C	80	<0.2	35	22.03	10.22	49.6	1.6
616375	7080770	1509882	Brown	Angular	10-30%	Sandy	C	90	2.2	76	31.76	14.07	58.8	2.6
616459	7080794	1509883	Green	Angular	10-30%	Sandy	C	60	1.2	26	21.31	2.55	49.2	1.5
616441	7080646	1509884	Green	Angular	10-30%	Sandy	C	80	3.6	55	22.81	10.22	40.4	1.9
616390	7080555	1509885	Grey	Angular	10-30%	Sandy	C	110	2.3	52	28.34	8.62	50.7	1.9
616343	7080465	1509886	Brown	Angular	30-50%	Silty	B	30	1.1	34	31.99	38.72	39.4	21.3
616311	7080380	1509887	Brown	Angular	10-30%	Sandy	C	110	<0.2	66	29.89	25.84	110.2	1.6
616311	7080380	1509888	Brown	Angular	10-30%	Sandy	C	110	0.8	71	28.16	28.17	95.3	1.3
616254	7080288	1509889	Red	Angular	30-50%	Silty	B	40	1.5	61	37.87	37.18	59	4.8
616192	7080210	1509890	Grey	Angular	10-30%	Sandy	C	90	2.9	61	21.3	13.1	72.1	0.8
616746	7080163	1509891	Brown	Sub Angular	10-30%	Sandy	C	90	2.6	107	24.09	22.11	91.3	1.8
616732	7080218	1509892	Grey	Angular	10-30%	Sandy	C	60	1.6	24	68.3	5.09	48.7	1.3
616719	7080272	1509893	Brown	Angular	10-30%	Sandy	C	90	2.3	86	29.4	14.43	68.4	0.5
616702	7080323	1509894	Red	Sub Angular	10-30%	Sandy	C	90	2.5	63	42.43	12.63	45	0.9
616682	7080371	1509895	Orange	Sub Angular	10-30%	Sandy	C	100	4.3	65	61.55	16.72	88.2	2.4
616661	7080420	1509896	Brown	Sub Angular	10-30%	Sandy	C	70	5.6	66	38.04	12.04	52.1	2.8
616649	7080467	1509897	Grey	Sub Angular	30-50%	Sandy	C	40	2.7	59	40.98	14.54	54.7	6.4
616635	7080519	1509898	Grey	Sub Angular	10-30%	Sandy	C	40	1.5	47	17.52	14.91	29	3

616615	7080565	1509899	Orange	Sub Angular	30-50%	Sandy	C	40	1.2	44	26.64	12.09	44.1	0.9
616601	7080612	1509900	Brown	Angular	10-30%	Sandy	C	65.48	1.1	30	24.5	12.31	69.2	5.8
613983	7080538	1509915	Brown	Sub Angular	<10%	Sandy	C	90	1.3	58	41.34	6.18	50	1.1
614012	7080581	1509916	Brown	Sub Angular	<10%	Sandy	B	50	4.6	125	67.25	14.65	91.7	2.7
614035	7080627	1509917	Green	Sub Angular	<10%	Sandy	C	30	0.5	19	43.88	4.75	35.6	1.6
614065	7080668	1509918	Green	Sub Angular	<10%	Sandy	C	40	2.6	29	111.83	3.61	48.2	1.4
614102	7080703	1509919	Green	Sub Angular	<10%	Sandy	B	20	0.8	32	23.2	6.43	61.9	4.5
614126	7080744	1509921	Grey	Sub Angular	<10%	Sandy	C	60	8.4	82	109	22.69	335	23.7
614158	7080779	1509922	Brown	Sub Angular	<10%	Silty	B	30	2.3	107	21.49	10.13	45.4	7.8
614191	7080820	1509923	Grey	Sub Angular	<10%	Sandy	C	50	<0.2	27	40.9	9.5	59.2	2.3
614224	7080865	1509924	Brown	Sub Angular	<10%	Sandy	C	90	3.2	17	42.29	12.04	70.7	1.9
614262	7080894	1509925	Brown	Sub Angular	<10%	Silty	B	50	1.3	58	26.17	17.34	53	8
614262	7080894	1509926	Brown	Sub Angular	<10%	Silty	B	50	1.9	15	26.36	15.26	33.5	6.6
614312	7080981	1509927	Brown	Sub Angular	<10%	Sandy	B	80	0.6	148	29.83	20.72	60.5	2.7
614357	7081009	1509928	Brown	Sub Angular	<10%	Sandy	C	80	0.7	35	29.3	26.93	57	3.9
614393	7081046	1509929	Brown	Sub Angular	<10%	Silty	C	80	0.3	9	23.42	10.35	31.1	1.3
614426	7081079	1509930	Brown	Sub Angular	<10%	Sandy	C	60	0.6	12	30.77	7.44	62.5	6.9
614462	7081119	1509931	Brown	Sub Angular	<10%	Sandy	B	80	0.5	10	38.09	6.47	46.8	3
614503	7081147	1509932	Grey	Sub Angular	<10%	Sandy	B	40	<0.2	12	38.43	13.42	47.6	2.7
614574	7081219	1509933	Grey	Sub Angular	<10%	Sandy	C	120	1.7	58	65.65	16	86.8	2.5
614607	7081256	1509934	Grey	Sub Angular	<10%	Silty	C	100	<0.2	44	13.37	9.94	34.4	6
614637	7081296	1509935	Brown	Sub Angular	<10%	Sandy	C	90	3.9	76	33.54	13.86	82.1	3
614678	7081324	1509936	Grey	Sub Angular	<10%	Sandy	C	100	0.6	57	25.75	10.93	63.8	0.8
614713	7081361	1509937	Brown	Sub Angular	<10%	Sandy	C	90	1.2	49	18.55	13.1	39.9	1.4
614753	7081390	1509938	Grey	Sub Angular	<10%	Sandy	C	90	0.8	82	28.2	5.42	53.4	0.6
614786	7081426	1509939	Orange	Sub Angular	<10%	Silty	B	20	0.7	109	14.62	590.5	2223	4.1
614833	7081455	1509940	Grey	Sub Angular	<10%	Sandy	C	60	0.7	62	31.67	7.94	64.7	0.8
614882	7081480	1509941	Grey	Sub Angular	<10%	Sandy	C	90	1	60	31.63	19.25	61.1	0.7
616765	7080114	1509942	Brown	Sub Angular	10-30%	Sandy	C	60	1.5	65	30.37	25.62	78.7	4.4
616754	7080067	1509943	Brown	Sub Angular	<10%	Sandy	C	50	2	91	25.89	22.19	95.7	1
616773	7080017	1509944	Brown	Sub Angular	<10%	Sandy	C	80	1.6	70	39.27	5.93	67	1.4

616773	7080017	1509945	Brown	Sub Angular	<10%	Sandy	C	80	0.7	61	33.15	4.15	60.5	0.8
616801	7079971	1509946	Brown	Sub Angular	<10%	Sandy	C	70	2.3	79	20.69	27.65	39.2	2
616839	7079930	1509947	Brown	Sub Angular	<10%	Sandy	C	70	1	13	29.28	3.15	45.4	1.7
616862	7079888	1509948	Orange	Sub Angular	10-30%	Silty	C	30	30.8	126	58.06	327.9	202.5	20.6
616886	7079842	1509949	Brown	Sub Angular	<10%	Sandy	C	60	<0.2	85	33.83	39.23	60.2	3
616884	7079791	1509950	Grey	Sub Angular	<10%	Sandy	C	60	3.1	33	19.72	8.87	44.7	4
614821	7080223	1509951	Grey	Angular	10-30%	Sandy	C	90	2.2	16	48.49	10.33	48.4	4.8
614861	7080239	1509952	Brown	Sub Angular	10-30%	Sandy	C	40	0.9	22	21.75	8.31	37	5
614903	7080269	1509953	Green	Sub Angular	10-30%	Sandy	C	120	4.3	15	22.6	9.09	110.5	34.3
614949	7080285	1509954	Grey	Sub Angular	10-30%	Sandy	C	120	2.2	13	23.22	6.56	25	1
614994	7080315	1509955	Brown	Sub Angular	10-30%	Sandy	C	50	1	13	27.41	8.14	40.3	3.3
615039	7080339	1509956	Brown	Sub Angular	10-30%	Sandy	C	40	0.9	38	40.9	12.81	49.2	5.7
615081	7080367	1509957	Brown	Sub Angular	10-30%	Sandy	C	90	1.2	26	50.76	10.17	73.7	3.6
615131	7080383	1509958	Green	Angular	10-30%	Sandy	C	90	0.8	40	64.86	10.2	36.3	5.9
615172	7080406	1509959	Brown	Sub Angular	10-30%	Sandy	C	50	<0.2	17	37.27	10.43	50.4	4.3
615213	7080435	1509960	Brown	Angular	10-30%	Silty	C	30	0.9	24	29.88	9.03	69.8	9.8
615293	7080491	1509961	Brown	Angular	30-50%	Sandy	C	30	<0.2	117	51.64	47.72	109.6	12.3
615364	7080553	1509962	Brown	Angular	10-30%	Sandy	C	40	<0.2	50	46.55	42.97	493.8	3.5
615397	7080591	1509963	Orange	Angular	10-30%	Sandy	C	50	<0.2	125	57.48	31.65	1282	0.7
615487	7080635	1509964	Orange	Angular	<10%	Sandy	C	120	0.3	78	30.12	4.25	94.9	5.8
615585	7080669	1509965	Brown	Sub Angular	<10%	Sandy	C	110	<0.2	47	25.83	21.61	96.6	2.2
615681	7080687	1509966	Brown	Angular	<10%	Sandy	C	120	<0.2	93	26.1	35.93	68.3	3.7
615728	7080707	1509967	Brown	Angular	10-30%	Sandy	C	80	<0.2	95	28.57	38.84	67.8	2.1
615923	7080707	1509968	Brown	Sub Angular	<10%	Sandy	C	110	<0.2	36	24.69	35.04	81.9	2.1
615826	7080710	1509969	Grey	Sub Angular	10-30%	Sandy	C	50	<0.2	131	28.87	19.27	91	4.5
616028	7080697	1509970	Grey	Angular	30-50%	Sandy	C	60	0.7	15	1.89	3.36	53.5	1.9
616131	7080705	1509971	Brown	Angular	10-30%	Sandy	C	50	0.9	46	24.02	11.66	51.6	3
616235	7080722	1509972	Brown	Sub Angular	10-30%	Sandy	C	50	0.9	55	20.86	12.43	44.7	2.8
616324	7080757	1509973	Brown	Angular	10-30%	Sandy	C	60	<0.2	47	21.54	8.14	36.6	1.7
616424	7080775	1509974	Brown	Angular	10-30%	Sandy	C	60	<0.2	52	45.15	22.68	35.9	2.7
616489	7080738	1509975	Brown	Angular	30-50%	Sandy	C	20	<0.2	22	17.83	5.67	44.2	5.4

616473	7080686	1509976	Brown	Angular	<10%	Sandy	C	60	0.6	33	26.59	3.93	55.5	0.9
616423	7080596	1509977	Brown	Sub Angular	10-30%	Sandy	C	60	2.1	55	19.97	9.46	31.7	1.7
616423	7080596	1509978	Brown	Sub Angular	10-30%	Sandy	C	60	1.3	55	18.8	9.78	32.7	1.7
616376	7080511	1509979	Brown	Angular	<10%	Sandy	C	120	<0.2	38	28.1	4.58	50.2	0.4
616346	7080415	1509980	Orange	Angular	<10%	Sandy	C	120	<0.2	47	25.69	21.58	26.7	2
616284	7080336	1509981	Brown	Angular	30-50%	Silty	C	50	1.4	59	37.67	36.11	57	6.2
616225	7080249	1509982	Brown	Angular	<10%	Sandy	C	120	1.7	70	32.97	14.24	126.6	1.2
616923	7079679	1509983	Brown	Angular	10-30%	Sandy	C	30	1	8	25.47	3.93	61.2	1.1
616973	7079663	1509984	Grey	Angular	<10%	Sandy	C	120	1.1	3	8.43	2.25	55.9	0.6
617008	7079625	1509985	Brown	Angular	10-30%	Sandy	C	60	2.9	363	31.3	58.02	49.5	2.9
617039	7079583	1509986	Grey	Angular	10-30%	Sandy	C	80	1.3	38	41.79	17.65	59.9	1.1
617063	7079539	1509987	Brown	Angular	10-30%	Sandy	C	50	1.4	45	28.54	21.42	61.3	1.6
617099	7079502	1509988	Brown	Angular	10-30%	Sandy	C	50	1.8	27	31.81	11.11	98.8	2.7
613168	7081865	1509351	Brown	Angular	30-50%	Clay	B	30	3.8	265	28.8	49.49	79.8	14.6
613084	7081354	1509352	Brown	Sub Angular	30-50%	Sandy	B	20	0.5	207	60.76	9.22	89.5	3.6
613110	7081152	1509353	Brown	Sub Angular	30-50%	Sandy	B	30	0.8	200	33.97	10.54	82.5	4.2
613117	7081004	1509354	Brown	Sub Angular	10-30%	Sandy	C	110	1.7	43	70.64	10.29	66.5	3.9
613100	7081456	1509336	Brown	Angular	30-50%	Sandy	C	10	0.8	101	12.67	6.33	21.1	2.4
613086	7081307	1509337	Brown	Angular	10-30%	Silty	B	20	1.1	341	73.66	10.43	99.9	4.4
613102	7081205	1509338	Red	Angular	30-50%	Silty	B	20	2.2	212	54.46	10.41	101.5	12.9
613119	7081056	1509339	Brown	Angular	10-30%	Sandy	C	40	2	39	144.21	7.34	89.7	11.4

Daisy claims, soil spur lines (2016)

Eastings	Northing	Sample#	Color	Rock fragments %		Texture	Hrzn	Depth	Au	Ag	Cu	Pb	Zn	As
618420	7080365	1509015	Brown	Sub Angular	10-30%	Sandy	C	100	1.1	32	50	13.99	138.3	17.8
618458	7080328	1509016	Brown	Angular	10-30%	Sandy	C	40	1.5	38	42.61	16.44	89.3	10.5
618486	7080282	1509017	Brown	Angular	10-30%	Sandy	C	60	0.6	59	31.15	17.01	87.7	18
618514	7080237	1509018	Brown	Angular	10-30%	Sandy	C	100	1.5	38	37.31	11.05	120.3	6.4
618529	7080188	1509019	Grey	Angular	10-30%	Sandy	C	60	1.4	49	48.19	20.32	69.1	57.1
618541	7080132	1509020	Grey	Angular	30-50%	Silty	C	50	1.2	491	15.72	61.68	97.4	90.5
618559	7080084	1509021	Brown	Angular	10-30%	Sandy	C	60	2	38	52.12	9.14	100.6	34.8
618567	7080035	1509022	Grey	Angular	10-30%	Sandy	C	80	2.7	53	37.47	14.42	98.5	119.6
618580	7079978	1509023	Brown	Angular	10-30%	Sandy	C	80	1	30	25.01	12.85	64	161.5
618601	7079928	1509024	Orange	Angular	10-30%	Silty	C	60	1.2	92	24.04	16.68	48.3	39.3
618617	7079885	1509025	Brown	Angular	10-30%	Sandy	C	80	2.2	162	32.44	16.14	54.5	55.5
618655	7079845	1509026	Brown	Angular	10-30%	Sandy	C	90	2.3	44	22.58	13.13	58.4	57.3
618663	7079797	1509027	Grey	Sub Angular	10-30%	Sandy	C	80	15	298	29.24	11.62	76.2	502.3
618686	7079750	1509028	Brown	Sub Angular	10-30%	Sandy	C	90	1.1	116	26.68	15.4	63.8	584.9
618711	7079702	1509029	Orange	Sub Angular	10-30%	Sandy	C	80	0.7	87	24.96	16.5	70	678.5
618741	7079658	1509030	Brown	Sub Angular	10-30%	Sandy	C	70	0.4	11	23.35	7.95	62.1	3.3
618764	7079617	1509031	Orange	Angular	<10%	Silty	C	100	4.6	175	22.34	10.75	69.9	27.2
618789	7079578	1509032	Brown	Angular	30-50%	Silty	C	50	3.1	696	31.2	27.37	81	23.9
618816	7079536	1509033	Brown	Angular	10-30%	Sandy	C	70	0.7	88	25.52	17.34	74.8	42.4
618838	7079488	1509034	Grey	Sub Angular	10-30%	Sandy	C	70	0.9	68	27.48	9.73	67.6	1.1
618862	7079441	1509035	Brown	Angular	30-50%	Sandy	C	30	0.8	39	22.71	10.91	71.3	19.1
618885	7079396	1509036	Orange	Sub Angular	10-30%	Sandy	C	90	1.9	72	17.41	11.74	85.3	1.7
618910	7079354	1509037	Green	Angular	10-30%	Silty	C	80	3.4	177	42.56	21.62	103.4	54.4
618910	7079354	1509038	Green	Angular	10-30%	Silty	C	81	0.9	129	36.75	19.86	104	45.6
618939	7079294	1509039	Brown	Angular	10-30%	Sandy	C	60	2.7	25	60.54	11.35	79.4	3.6
617346	7078966	1509051	Orange	Angular	10-30%	Sandy	C	40	3.4	25	70.35	12.57	84.1	28.5
617362	7078918	1509052	Brown	Angular	30-50%	Sandy	C	40	<0.2	16	43.11	8.16	50.5	12.2
617387	7078872	1509053	Brown	Angular	30-50%	Sandy	C	30	0.8	29	38.03	5.59	39.6	13.7
617415	7078830	1509054	Brown	Angular	10-30%	Sandy	C	60	1	67	23.75	31.12	32.5	7.9

617435	7078784	1509055	Brown	Angular	30-50%	Sandy	C	50	0.8	15	40.55	10.01	77	1.4
617462	7078740	1509056	Brown	Angular	10-30%	Silty	C	30	1.3	34	19.34	8.2	50.6	9.6
617470	7078690	1509057	Brown	Sub Angular	10-30%	Sandy	C	70	<0.2	11	28.53	4.7	37.9	2.3
617478	7078641	1509058	Brown	Angular	10-30%	Sandy	C	60	6.4	13	109.8	15.02	97.4	14.4
617490	7078588	1509059	Grey	Angular	10-30%	Sandy	C	50	<0.2	7	6.83	4.81	65.3	3.7
617514	7078542	1509060	Brown	Angular	30-50%	Sandy	C	40	<0.2	46	26.66	7.32	48.8	5.1
617536	7078495	1509061	Grey	Angular	10-30%	Sandy	C	80	0.5	42	19.94	5.19	34.6	1.6
617531	7078445	1509062	Brown	Angular	10-30%	Sandy	C	40	1.9	38	47.81	6.22	49.4	5.6
617538	7078394	1509063	Brown	Angular	10-30%	Sandy	C	70	4.3	7	61.31	4.31	51.4	2.3
617538	7078394	1509064	Brown	Angular	10-30%	Sandy	C	70	3.9	7	61.21	4.43	53.6	2.7
617551	7078342	1509065	Green	Angular	<10%	Sandy	C	120	2.8	20	23.5	6.11	72.6	1.5
617558	7078291	1509066	Brown	Sub Angular	10-30%	Sandy	C	30	0.8	16	14.23	8.04	41.9	6.1
617567	7078242	1509067	Brown	Sub Angular	10-30%	Silty	C	30	0.7	15	4.29	8.15	57.5	5.9
618968	7079238	1509068	Brown	Angular	30-50%	Silty	C	30	<0.2	12	37.9	13.38	74.1	3.9
618972	7079188	1509069	Brown	Angular	30-50%	Sandy	C	30	0.2	10	49.51	3.97	47	1.2
618991	7079140	1509070	Orange	Angular	50-70%	Sandy	C	60	<0.2	9	57.37	8.06	127.4	0.7
619029	7079103	1509071	Brown	Angular	30-50%	Sandy	C	30	<0.2	25	8.46	5.75	69.8	5
619067	7079071	1509072	Grey	Angular	30-50%	Sandy	C	70	1.4	17	113	6.19	61.8	0.9
619091	7079026	1509073	Brown	Angular	30-50%	Sandy	C	90	4.2	9	81.73	3.28	92.3	0.6
619097	7078974	1509074	Red	Angular	10-30%	Sandy	C	120	2	56	20.21	4.31	71.5	3.8
619100	7078924	1509075	Brown	Angular	10-30%	Sandy	C	100	0.6	21	35.73	4.46	105.1	7.8
619121	7078878	1509076	Brown	Angular	10-30%	Sandy	C	70	1.1	24	90.59	4.51	117.2	18.4
619145	7078833	1509077	Brown	Angular	50-70%	Gravel	C	70	<0.2	35	66.75	2.85	96.4	0.5
619159	7078785	1509078	Brown	Angular	30-50%	Sandy	C	40	<0.2	22	48.21	6.86	75.1	3.1
619180	7078738	1509079	Brown	Angular	10-30%	Sandy	C	40	<0.2	12	40.67	5.77	80.5	4.4
619176	7078688	1509080	Brown	Angular	30-50%	Sandy	C	40	0.7	20	45.79	7.81	91.1	11
619182	7078636	1509081	Brown	Angular	10-30%	Sandy	C	40	0.6	10	34.11	2.56	69.4	1.3
619173	7078586	1509082	Brown	Angular	30-50%	Sandy	C	70	<0.2	10	88.14	8	99.6	0.1
619162	7078536	1509083	Brown	Angular	10-30%	Sandy	C	90	0.3	20	40.71	5.12	121.2	2.7
619139	7078491	1509084	Brown	Angular	10-30%	Sandy	C	120	1.6	36	30.13	3.14	106.1	1.8
619144	7078441	1509085	Grey	Angular	30-50%	Gravel	C	110	2.8	9	31.78	3.07	102.7	0.9

619149	7078391	1509086	Brown	Angular	10-30%	Sandy	C	120	<0.2	14	32.5	3.34	113	1.2
619152	7078338	1509087	Grey	Angular	10-30%	Sandy	C	100	<0.2	30	23.52	6.37	74.4	5.3
619153	7078290	1509088	Grey	Angular	10-30%	Sandy	C	120	<0.2	94	79.73	12.94	302.8	1
619151	7078240	1509089	Grey	Angular	10-30%	Sandy	C	120	<0.2	52	79.25	18	81.5	2.6
619151	7078190	1509090	Grey	Angular	10-30%	Sandy	C	110	<0.2	94	199.3	9.58	72	0.2
619159	7078140	1509091	Brown	Sub Angular	<10%	Sandy	C	100	0.3	96	49.42	9.55	47	7.5
619145	7078090	1509092	Orange	Angular	10-30%	Sandy	C	120	<0.2	71	108.7	8.32	52.9	0.6
619129	7078042	1509093	Orange	Angular	10-30%	Sandy	C	120	<0.2	46	14.64	11.73	50.5	0.3
619129	7078042	1509094	Orange	Angular	10-30%	Sandy	C	120	<0.2	40	16.08	13.43	53.1	0.2
619115	7077994	1509095	Grey	Angular	<10%	Sandy	C	120	<0.2	162	37.44	146.4	775.8	0.7
619101	7077945	1509096	Orange	Angular	30-50%	Sandy	C	40	<0.2	5	34.26	5.91	65.7	1.1
619093	7077894	1509097	Yellow	Angular	10-30%	Sandy	C	120	2.8	71	30.73	9.75	42.1	0.4
619079	7077847	1509098	Brown	Angular	30-50%	Sandy	C	70	0.4	25	81.46	30.98	333.5	0.3
619081	7077796	1509099	Grey	Angular	10-30%	Sandy	C	120	0.3	43	32.1	9.49	68.5	<0.1
619080	7077745	1509100	Brown	Angular	10-30%	Sandy	C	120	<0.2	19	9.66	6.25	107.2	0.8
616781	7079359	1509108	Orange	Sub Angular	<10%	Sandy	C	50	<0.2	16	40.12	7.05	34.3	2.7
616763	7079315	1509109	Brown	Sub Angular	<10%	Sandy	C	70	<0.2	37	22.91	6.21	46.5	1.7
616742	7079268	1509110	Brown	Sub Angular	<10%	Sandy	C	20	<0.2	67	13.76	6.76	40.4	7
616718	7079225	1509111	Green	Sub Angular	<10%	Sandy	C	30	<0.2	10	12.98	2.98	25.3	3
616693	7079184	1509112	Green	Sub Angular	10-30%	Sandy	C	40	<0.2	16	16.86	4.88	35.1	2.1
616658	7079149	1509113	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	5	18.22	1.34	49	1.1
616628	7079111	1509114	Brown	Sub Angular	<10%	Sandy	C	50	<0.2	118	84.55	18.5	61.8	3.8
616590	7079071	1509115	Brown	Sub Angular	<10%	Sandy	C	30	<0.2	14	58.1	4.56	30.5	5.1
616558	7079034	1509116	Brown	Sub Angular	<10%	Silty	C	60	0.8	31	23.75	4.06	44.8	3.9
616525	7078998	1509117	Grey	Sub Angular	<10%	Sandy	C	70	0.7	76	50.62	12.48	45.3	1.6
616492	7078960	1509118	Grey	Sub Angular	<10%	Sandy	C	70	0.6	64	32.84	8.69	47.1	5
616454	7078920	1509119	Brown	Sub Angular	<10%	Sandy	B	20	<0.2	84	15.88	6.82	28.5	4.5
618385	7080411	1509120	Grey	Sub Angular	<10%	Sandy	C	70	7.9	90	23.26	17.03	111.7	685
618353	7080451	1509121	Orange	Sub Angular	<10%	Sandy	C	60	3.8	25	13.85	6.88	59.8	12.6
618321	7080490	1509122	Grey	Sub Angular	<10%	Sandy	C	50	0.8	14	90.51	11.67	122.8	16.4
618285	7080525	1509123	Orange	Sub Angular	10-30%	Sandy	C	30	<0.2	18	27.11	8.4	95.6	3.7

618261	7080570	1509124	Grey	Sub Angular	<10%	Sandy	C	60	2	17	56.89	5.76	90.7	1.5
618214	7080585	1509125	Grey	Sub Angular	<10%	Sandy	C	40	<0.2	7	7.92	5.88	76.5	1.5
618168	7080610	1509126	Grey	Sub Angular	<10%	Sandy	C	30	<0.2	20	11.7	4.6	52.3	1.8
618127	7080644	1509127	Grey	Sub Angular	10-30%	Sandy	C	60	<0.2	5	9.36	6.17	75.5	0.2
618079	7080661	1509128	Grey	Sub Angular	<10%	Sandy	C	70	1.2	7	42.18	3.31	99.1	2.7
618079	7080661	1509129	Grey	Sub Angular	<10%	Sandy	C	70	0.9	6	55.18	3.45	88.3	2.8
618037	7080692	1509130	Grey	Sub Angular	<10%	Sandy	C	50	4.5	10	65.27	4.12	81.6	0.3
617996	7080717	1509131	Grey	Sub Angular	<10%	Sandy	C	70	4.1	14	120.2	5.63	106.1	1.7
617953	7080740	1509132	Grey	Sub Angular	<10%	Sandy	C	70	1.2	23	44.51	5.94	97.4	4.3
617905	7080766	1509133	Brown	Sub Angular	<10%	Sandy	C	60	0.8	25	47.14	18.72	93.2	1.6
617869	7080793	1509134	Grey	Sub Angular	<10%	Sandy	C	60	<0.2	26	29.41	7.54	108.6	19.2
617827	7080821	1509135	Grey	Sub Angular	10-30%	Sandy	C	70	0.7	53	61.5	10.62	135	70.1
617790	7080862	1509136	Grey	Sub Angular	10-30%	Silty	C	80	1.1	31	44.58	6.78	101.4	23.9
617749	7080888	1509137	Grey	Sub Angular	10-30%	Silty	C	60	1.8	33	41.55	5.98	70.4	25.2
617707	7080919	1509138	Grey	Sub Angular	<10%	Silty	C	50	1.1	31	50.6	6.87	88	54.9
619088	7077693	1509151	Red	Angular	10-30%	Sandy	C	120	0.6	39	16.83	3.61	65.8	0.3
619096	7077642	1509152	Brown	Angular	10-30%	Clay	C	90	0.3	98	59.15	15.77	92.9	3.8
619092	7077591	1509153	Brown	Angular	10-30%	Sandy	C	70	5.6	92	41.14	12.87	64.1	11.1
619097	7077540	1509154	Brown	Angular	10-30%	Silty	C	70	1.9	33	69.76	16.89	96.5	11.4
619097	7077540	1509155	Brown	Angular	10-30%	Silty	C	71	1.7	45	65.81	16.5	94.2	9.4
619096	7077491	1509156	Yellow		<10%	Sandy	C	120	<0.2	25	1.94	1.3	6.4	1
619096	7077439	1509157	Brown	Angular	10-30%	Silty	C	70	7.5	212	42.94	15.61	61.9	12.5
619094	7077388	1509158	Brown	Angular	<10%	Sandy	C	120	2.6	95	76.24	14.01	69.6	1.4
619098	7077336	1509159	Orange	Angular	10-30%	Sandy	C	70	1.3	68	43.05	9.42	111.1	11.7
617140	7079472	1509989	Green	Angular	<10%	Sandy	C	120	2	40	99.93	4.73	61.1	0.6
617140	7079472	1509990	Green	Angular	<10%	Sandy	C	120	2.1	51	94.07	5.68	68	0.9
617177	7079435	1509991	Brown	Angular	<10%	Sandy	C	120	0.9	38	65.79	4.76	47.4	1.9
617196	7079387	1509992	Brown	Angular	<10%	Sandy	C	120	1.2	5	21.4	3.51	35.5	0.6
617225	7079348	1509993	Grey	Angular	<10%	Sandy	C	90	0.3	<2	13.17	3.03	32	2
617252	7079305	1509994	Green	Angular	<10%	Sandy	C	120	0.8	34	171.7	7.47	76.5	2.9
617270	7079257	1509995	Brown	Angular	10-30%	Sandy	C	50	<0.2	4	16.47	8.3	62.8	1.1

617290	7079212	1509996	Green	Angular	10-30%	Sandy	C	50	<0.2	6	92.35	4.57	41.4	1.2
617307	7079163	1509997	Orange	Angular	30-50%	Sandy	C	30	0.4	17	28.77	8.1	33	154.9
617323	7079115	1509998	Brown	Angular	30-50%	Sandy	C	30	1.2	38	24.24	6.19	40.2	15.3
617333	7079066	1509999	Orange	Angular	30-50%	Sandy	C	30	0.4	13	30.13	6.15	17.8	4
617340	7079016	1510000	Orange	Angular	10-30%	Sandy	C	90	1.9	9	56.72	6.91	55.1	2.8

#s in blue: field duplicates

Daisy 2016 soil grid

Eastings	Northing	Sample #	Description	Depth	Claim	Hrzn	Au	Ag	Cu	Pb	Zn	As
623211	7072051	2016186	light brown soil	0.7	Daisy60	C	1.4	109	82.94	6.7	81.4	25.5
623253	7072073	2016187	light brown soil	0.8	Daisy61	C	1.2	52	52.76	13.68	50.4	1.3
623298	7072093	2016188	light brown soil	0.4	Daisy59	C	0.9	29	40.09	4.48	69.3	0.6
623341	7072116	2016189	light brown soil	0.4	Daisy59	C	0.6	7	70.05	4.77	89.2	2.5
623384	7072136	2016190	yellow soil	0.4	Daisy59	C	4.2	6	39.7	4.02	62.1	2.7
623427	7072157	2016191	light brown soil	0.4	Daisy59	C	2.5	53	28.37	7.18	74.6	0.6
623470	7072176	2016192	brown soil	0.5	Daisy59	C	1.3	34	46.15	4.62	93.4	1.2
623512	7072199	2016193	brown - orange soil	0.5	Daisy59	C	0.7	37	18.07	15.38	38.1	0.6
623556	7072219	2016194	grey, yellow soil	0.4	Daisy59	C	2.7	15	24.7	6.84	81.5	0.4
623599	7072241	2016195	grey, yellow soil		Daisy59	C	1.8	61	28.21	7.76	83.7	0.8
623642	7072261	2016196	light brown yellow soil	0.3	Daisy59	C	2.1	51	23.35	9.34	49.3	1.8
623685	7072283	2016197	light brown yellow soil	0.3	Daisy61	C	0.9	12	37.38	7.41	73.4	2.9
623728	7072303	2016198	light brown yellow soil	0.3	Daisy61	C	1.5	47	24.57	12.76	37.5	1.2
623770	7072325	2016199	light brown yellow soil	0.4	Daisy61	C	0.8	52	20.13	14.13	78.1	1.1
623819	7072345	2016200	light brown yellow soil	0.6	Daisy56	C	1.1	23	22.72	4.22	66.8	0.8
623172	7072137	2016201	light grey-brown soil, mica schist fragments	0.5	Daisy56	C	1.9	23	35.81	8	62.5	1.3
623215	7072158	2016202	light grey-brown soil, mica schist fragments	0.5	Daisy56	C	0.7	33	43.83	9.14	81	1.7
623258	7072179	2016203	light grey-brown micaceous soil	0.6	Daisy56	C	0.6	71	43.06	12.22	88.7	1.6
623301	7072200	2016204	light grey-brown micaceous soil	0.5	Daisy56	C	0.5	20	72.18	9.15	98.5	1.7
623344	7072221	2016205	yellow soil, mica schist fragments	0.5	Daisy56	C	2.1	28	52.38	5.63	85.3	1.6
623387	7072242	2016206	yellow soil, mica schist fragments	0.5	Daisy56	C	1.3	47	69.07	5.62	85.8	0.1
623430	7072263	2016207	greenish brown soil, mica schist fragments	0.5	Daisy56	C	1.6	64	32.79	9.55	71.1	3.2
623473	7072284	2016208	brown soil, mica schist fragments	0.5	Daisy56	C	1.3	36	43.65	8.74	77.1	1.8
623516	7072305	2016209	greenish brown, micaceous, schist fragments	0.6	Daisy56	C	1	260	30.11	4.68	79.1	0.6
623559	7072326	2016210	brown soil, mica schist fragments	0.8	Daisy56	C	<0.2	46	25.04	9.23	63.7	0.2
623602	7072347	2016211	yellow-brown micaceous soil	0.6	Daisy56	C	<0.2	51	30.76	11.71	52	1.1
623645	7072368	2016212	yellow soil, small mica schist fragments	0.7	Daisy56	C	0.6	22	20.13	6	51.4	0.4
623688	7072389	2016213	khaki soil, small rock fragments	0.7	Daisy56	C	0.7	40	154.75	6.18	58.5	1

623731	7072410	2016214	light brown, mica schist fragments	0.6	Daisy56	C	<0.2	19	22.18	7.06	48.2	0.2
623774	7072431	2016215	light brown yellow soil,	0.7	Daisy56	C	0.8	25	13.71	7.2	63.9	1.6
623817	7072451	2016216	light brown micaceous soil, schist fragments	1	Daisy56	C	0.5	32	22.09	6.07	64.5	0.3
623860	7072473	2016217	light brown micaceous soil, schist fragments	0.7	Daisy56	C	0.3	21	14.49	3.55	47.7	<0.1
623857	7072367	2016218	light brown micaceous soil, schist fragments	0.6	Daisy56	C	1.2	68	28.93	7.85	66.8	0.3
623900	7072388	2016219	light brown micaceous soil, schist fragments	0.5	Daisy56	C	1.6	24	19.36	4.78	60.4	0.3
623940	7072303	2016220	light brown micaceous soil, schist fragments	0.6	Daisy56	C	0.8	28	25.58	9.21	84.1	0.2
623897	7072282	2016221	light brown micaceous soil, schist fragments	0.5	Daisy56	C	0.6	30	23.26	4.11	66.5	0.4
623854	7072261	2016222	light brown micaceous soil, schist fragments	0.6	Daisy56	C	0.6	40	21.55	7.4	48.3	0.4
623811	7072240	2016223	brown micaceous soil, schist fragments	0.6	Daisy61	C	<0.2	5	18.22	1.47	50.6	0.3
623768	7072219	2016224	brown micaceous soil, schist fragments	0.5	Daisy61	C	<0.2	17	25.78	13.74	50.7	5.6
623725	7072198	2016225	cinamon-colored, micaceous soil	0.5	Daisy61	C	0.4	46	16.31	9.75	23	<0.1
623682	7072177	2016226	light brown micaceous soil, schist fragments	0.7	Daisy61	C	1.4	26	17.53	10.15	41.7	0.4
623639	7072156	2016227	light brown micaceous soil, schist fragments	0.3	Daisy61	C	1.2	107	31.53	41.67	98.2	1.3
623598	7072135	2016228	mustard colored soil, small schist fragments	0.6	Daisy59	C	1.4	25	7.3	11.88	14.5	1.1
623555	7072114	2016229	light brown micaceous soil, schist fragments	0.5	Daisy59	C	0.4	23	16.13	6.59	32.2	0.7
623512	7072092	2016230	light brown micaceous soil, schist fragments	0.5	Daisy59	C	<0.2	9	23.69	3.26	77.1	0.7
623469	7072072	2016231	brown-greenish soil, schist fragments	0.6	Daisy59	C	0.5	44	49.31	10.37	61.1	1.2
623426	7072051	2016232	brown-greenish soil, schist fragments	0.6	Daisy59	C	0.6	53	40.5	8.16	43.4	0.4
623383	7072030	2016233	reddish-brown soil, schist fragments	0.2	Daisy59	C	0.6	17	53.49	5.38	97.6	4.6
623340	7072009	2016234	light brown-grey micaceous soil, schist fragments	0.5	Daisy60	C	1.8	63	48.04	10.87	97.1	0.2
623297	7071988	2016235	light brown-grey micaceous soil, schist fragments	0.5	Daisy60	C	0.8	44	27.23	9.49	56.7	0.6
623254	7071967	2016236	light brown micaceous soil, rock fragments	0.5	Daisy60	C	0.5	42	42.5	13.09	71.6	1.3
623211	7071946	2016237	light brown micaceous soil, rock fragments	0.5	Daisy60	C	<0.2	59	40.5	5.81	83	1.1
623168	7071925	2016238	light brown micaceous soil, rock fragments	0.5	Daisy60	C	<0.2	36	38.95	7.53	65.3	1.4
623125	7071904	2016239	green-brown micaceous soil, rock fragments	0.7	Daisy60	C	<0.2	32	53.9	4.24	64	1.6
623082	7071883	2016240	brown micaceous soil, schist fragments	0.6	Daisy60	C	1.5	59	46.67	8.2	59	4.7
623040	7071968	2016241	brown micaceous soil, schist fragments	0.5	Daisy58	C	1	50	56.49	5.65	59.3	2.5
623082	7071989	2016242	cinamon-colored, micaceous soil, schist fragments	0.5	Daisy58	C	0.9	55	46.76	10.72	79.2	1
623126	7072010	2016243	khaki brown soil, small schist fragments	0.8	Daisy60	C	0.4	39	31.06	7.01	79.4	4.4
623169	7072031	2016244	brown micaceous soil, schist fragments	0.6	Daisy60	C	1.4	44	47.2	12.19	73.3	2.3

623129	7072116	2016245	light brown micaceous soil, rock fragments	0.6	Daisy57	C	<0.2	59	51.1	11.26	97	1.7
623086	7072095	2016246	light brown micaceous soil, rock fragments	0.6	Daisy58	C	<0.2	30	52.67	13.57	88.7	1.7
623043	7072074	2016247	light brown yellow micaceous soil, rock fragments	0.8	Daisy58	C	0.8	61	71.11	4.67	91.4	4.8
623000	7072053	2016248	light brown yellow micaceous soil, rock fragments	0.6	Daisy58	C	0.2	103	57.09	7.98	96.7	4.9
623975	7072218	2016279	light brown soil, small rock fragments	0.6	Daisy61	C	4.6	38	93.34	5.69	54.4	2.5
623932	7072197	2016280	light brown soil, small rock fragments	0.6	Daisy61	C	5	89	31.91	10.56	47.2	1
623889	7072176	2016281	light brown mottled soil, rock fragments	0.6	Daisy61	C	3.6	47	33.24	4.93	82.4	0.3
623846	7072155	2016282	light brown mottled soil, rock fragments	0.6	Daisy61	C	3.8	24	23.37	4.75	81.1	0.2
623803	7072134	2016283	light brown mottled soil, rock fragments	0.7	Daisy61	C	3.5	30	10.29	9.42	15	1.7
623760	7072113	2016284	brown soil, numerous rock fragments	0.5	Daisy61	C	2.4	6	15.03	5.64	70.6	1.2
623717	7072092	2016285	light brown to brown soil, rock fragments	0.7	Daisy61	C	4	40	35.64	4.25	79.3	0.3
623674	7072071	2016286	brown soil, scarce rock fragments	0.6	Daisy61	C	4.3	63	20.5	6.46	61.4	0.4
623631	7072050	2016287	brown-orange and grey soil, rock fragments	0.5	Daisy61	C	3.5	52	34.61	4.58	81.6	1
623588	7072029	2016288	orange-brown, dry soil	0.5	Daisy61	C	2.3	86	31.26	7.93	70.9	0.2
623545	7072008	2016289	brown soil, mottled with yellow, rock fragments	0.4	Daisy59	C	2.2	66	17.89	14.55	42.4	1.8
623502	7071987	2016290	brown soil, mottled with yellow, rock fragments	0.4	Daisy59	C	2	12	35.07	10.41	98.3	2.5
623459	7071966	2016291	brown soil, mottled with yellow, rock fragments	0.5	Daisy59	C	2.1	83	39.66	7.3	108	0.7
623416	7071945	2016292	mustard-brown soil, rock fragments	0.5	Daisy59	C	2.6	74	27.05	15.68	39.9	1.2
623373	7071924	2016293	mustard-brown soil, rock fragments	0.5	Daisy60	C	2.9	87	34.1	9.41	69	0.4
623330	7071903	2016294	lightbrown clayey soil, numerous rock fragments	0.5	Daisy60	C	2.8	13	53.15	4.37	65.4	5.7
623287	7071882	2016295	light brown soil, abundant mica schist fragments	0.4	Daisy60	C	3	8	68.65	4.11	84.4	3.7
623244	7071861	2016296	light brown soil, abundant mica schist fragments	0.5	Daisy60	C	2.2	35	41.02	7.54	81.4	0.5
623201	7071840	2016297	light brown soil, abundant mica schist fragments	0.5	Daisy60	C	1.6	28	34.81	10.09	82.7	0.4
623158	7071819	2016298	light brown soil, abundant mica schist fragments	0.4	Daisy60	C	1.3	27	27.92	5.51	54	1.1
623115	7071798	2016299	light brown soil, abundant mica schist fragments	0.4	Daisy60	C	1.6	36	46.21	5.28	63.6	1.9
622960	7072138	583424	light brown soil, 30-50 % sub-angular rock fragm.	0.8	Daisy58	C	2.8	52	39.02	10.17	68.9	1.9
623003	7072159	583423	light brown soil, 30-50 % sub-angular rock fragm.	1.15	Daist57	C	2.3	47	32.97	11.9	68.6	2.4
623046	7072180	583425	light brown soil, 10-30 % sub-oval rock fragments	0.5	Daisy57	C	1.9	72	41.89	10.41	75.4	3.3
623089	7072201	583426	light brown soil, 10-30 % sub-oval rock fragments	0.8	Daist57	C	1.4	41	34.17	10.74	67.7	4.3
623132	7072223	583427	light brown soil, 30-50 % sub-angular rock fragm.	1	Daisy57	C	1.9	42	63.77	3.19	75.5	1.8
623175	7072234	583428	B-horizon, 10-30 % sub-angular rock fragments	1.2	Daisy59	B	2.5	111	39.11	12.34	87.3	7.7

623218	7072255	583429	B-horizon, < 10 % sub-angular rock fragments	1.2	Daisy59	B	4.7	100	28.11	11.66	62.8	8.9
623261	7072276	583430	B-horizon, 10 % sub-angular rock fragments	1.2	Daisy59	B	1.6	93	42.4	10.67	81.7	6
623304	7072297	583431	B-horizon		Daisy59	B	4.5	91	54.8	3.25	62	0.6
623347	7072318	583432	B-horizon		Daisy59	B	14.5	152	61.71	7.99	68.5	2.4
623390	7072339	583433	B-horizon		Daisy59	B	2	177	117.34	7.53	51.6	3.2

Daisy 2017 soil grid												
Easting	Northing	Sample #	Description	Depth	Hrzn	Au	Ag	Cu	Pb	Zn	As	
623300	7074100	619257	Brown clayey, micaceous soil, permafrost, no sample	0.6	C	1.7	97	32.22	9.7	82.2	8.5	
623300	7074075	619258	Light brown soil, < 5% schist fragments, permafrost	0.5	C	0.2	51	29.98	6.89	90.1	2.3	
623300	7074050	619259	Light brown soil, mica schist, quartz fragments < 5%	0.5	C	1.1	60	23.43	10.04	62.2	6.9	
623300	7074025	619260	Brown soil, mica-schist, quartz fragments 30-40%	0.3	C	0.6	52	29.82	12.83	78.4	5.4	
623300	7074000	619261	Khaki-brown soil, rock fragments <5%	0.6	C	0.4	54	38.3	8.39	131.7	1.6	
623300	7073975	619262	Light brown soil, mica schist fragments ~ 30%	0.3	C	0.5	57	35.77	15.47	106.3	4.4	
623300	7073950	619263	Brown soil, mica-schist fragments ~30%	0.4	C	1.3	39	24.2	13.22	89.1	3.5	
623300	7073925	619264	Brown soil, mica-schist fragments ~30%	0.4	C	<0.2	17	37.38	12.16	89.9	0.9	
623300	7073900	619265	Brown soil, mica-schist, quartz fragments ~30%	0.4	C	0.6	27	23.49	7.08	62.8	1.9	
623300	7073875	619266	Cinamon colored soil, decomposed mica schist >50%	0.5	C	<0.2	91	34.06	6.75	57.1	4.6	
623300	7073850	619267	Light brown soil, mica schist fragments ~ 30%, crenulation	0.5	C	0.5	63	26.05	10.29	76	0.7	
623300	7073825	619268	Mustard colored soil, mica schist fragments 5-10%	0.3	C	0.5	14	33.14	7.51	117.7	3.4	
623300	7073600	619269	Yellow-brown soil, small schist, quartz fragments <10 cm	0.2	C	<0.2	42	19.52	8.3	85.2	4.5	
623300	7073625	619270	Yellow-brown soil, small schist, quartz fragments <2%	0.4	C	0.3	26	34.54	8.09	99.3	1.4	
623300	7073650	619271	Yellow-brown soil, small schist fragments <5%	0.4	C	<0.2	29	12.03	6.84	64.8	3.7	
623300	7073675	619272	Yellow-brown soil, small schist fragments <5%	0.9	C	0.4	24	22.96	4.56	63.4	4.2	
623300	7073700	619273	Light brown sandy soil, small mica schist, quartz fragments	0.5	C	<0.2	25	14.15	14.39	67.6	3.4	
623300	7073725	619274	Cinamon colored soil, mica schist fragments >5%	0.5	C	1.4	38	24.38	8.44	59.3	11.1	
623300	7073750	619275	Cinamon colored soil, abundant mica schist	0.6	C	1	21	29.15	9.66	64.8	2.6	
623300	7073775	619276	Cinamon colored soil, abundant mica schist, 20-30%	0.7	C	0.4	11	45.69	5.31	80.2	1.5	
623300	7073800	619277	Brown soil, mica-schist fragments	0.2	C	0.2	13	23.94	8.7	78.4	2.4	
623400	7073600	619280	Brown soil, sub-crop, mica schist, conformable quartz bands, >50%	0.2	C	0.4	30	9.56	5.17	75.4	1.8	
623400	7073625	619281	Brown soil, sub-crop, mica schist, conformable quartz bands, >50%	0.1	C	0.3	41	20.45	8.15	100.8	3.9	

623400	7073650	619282	Light brown soil, mica schist fragments 5-10 %,	0.3	C	1	23	20.48	6.19	64.2	5.5
623400	7073675	619283	Light cinamon soil, sub-crop, white quartz, mica schist 20-30 %,	0.2	C	0.2	26	31.24	6.29	105.3	3.3
623400	7073700	619284	Light brown sandy soil, mica schist fragments <2 %,	0.3	C	<0.2	12	14.14	4.25	28	2
623400	7073725	619285	Cinamon colored soil, sub-crop, mica schist, quartz fragments 50%	0.3	C	0.6	20	28.37	6.8	36.3	6.7
623400	7073750	619286	Cinamon colored soil, mica schist, quartz fragments <5%	0.4	C	0.4	32	29.04	4.49	55.3	8.7
623400	7073775	619287	Brown soil, sub-crop, larger mica schist, quartz fragments >50%	0.1	C	<0.2	90	25.76	13.58	67.5	59.9
623400	7073800	619288	Cinamon colored soil, mica schist, fragments 5-10%	0.4	C	0.8	21	42.31	4.47	75.2	3.9
623400	7073825	619289	Brown soil, mica-schist, quartz fragments ~5-10%	0.5	C	1.1	85	28.93	13.86	77.5	0.5
623400	7073850	619290	Brown soil, mica-schist, quartz fragments ~5-10%	0.2	C	0.4	53	38.75	6.74	107.4	3.8
623400	7073875	619291	Light brown soil, mica schist, fragments (<2 cm) ~5-10%,	0.9	C	<0.2	17	28.98	5.84	47.2	1.3
623400	7073900	619292	Brown soil, mica-schist, quartz fragments ~5-10%	0.7	C	0.5	65	32.54	17.93	83.4	11.6
623400	7073925	619293	Brown soil, mica-schist, quartz fragments ~5-10%	0.5	C	<0.2	24	34.86	6.08	109.7	3.6
623400	7073950	619294	Cinamon colored soil, decomposed mica schist quartz frgmnts >5%	0.2	C	<0.2	17	32.69	7.12	104.9	3.5
623400	7073975	619295	Brown soil, mica-schist, quartz fragments ~5-10%	0.4	C	<0.2	66	35.01	11.9	92.9	8.4
623400	7074000	619296	Brown soil, mica-schist, quartz fragments ~5-10%	0.4	C						
623400	7074025	619297	Brown soil, mica-schist, quartz fragments ~5-10%	0.6	C	<0.2	43	19.11	13.45	50.3	1.3
623400	7074050	619298	Light brown soil, mica schist, quartz fragments (<2 cm) ~5-10%,	0.8	C	<0.2	31	22.13	7.37	73.1	0.8
623400	7074075	619299	Brown soil, mica-schist, quartz fragments ~5-10%	0.5	C	<0.2	55	36.47	6.86	119.7	1.3
623400	7074100	619300	Light brown soil, mica schist, quartz fragments (<5 cm) ~5-10%,	0.6	C	0.2	75	47.82	5.26	99.8	1.3
623200	7074100	27977	Grey-brown clayey soil (B-horizon), angular quartz frgmnts 2-3%	0.5	C	0.8	45	22.95	10.63	87.1	4
623200	7074075	27978	Light brown soil (B & C horizons), rock fragments 30-40%	0.4	C	0.8	94	34.11	8.86	116.2	3.2
623200	7074050	27979	Light brown soil (C horizon), rock fragments ~10%	0.6	C	0.8	84	34.86	14.84	117.7	1
623200	7074025	27980	Light grey-brown soil, angular quartz, schist fragments ~10%	0.6	C	1.2	61	34.11	12.51	101.1	0.8
623200	7074000	27981	Brown soil, angular mica-schist fragments 20-30%	0.4	C	1.4	66	47.41	11.7	133.6	0.6
623200	7073975	27982	Cinamon colored soil, mica-schist fragments 30-40%	0.4	C	1	13	40.44	5.53	194.5	2.4
623200	7073950	27983	Cinamon colored soil, mica-schist fragments ~10%, Fe-ox infiltr.	0.6	C	2	31	17.92	6.84	102.1	1.3
623200	7073925	27984	Brown soil, angular mica-schist fragments ~10%	0.5	C	2.5	48	29.6	9.23	72.1	3.9
623200	7073900	27985	Brown soil, angular quartz, mica-schist fragments 10-15%, biotite	0.3	C	1.7	146	23.79	18.82	60.1	10.6
623200	7073875	27986	Cinamon colored soil, mica-schist fragments ~10%	0.4	C	0.6	23	28.89	8.79	86.3	3.4
623200	7073850	27987	Light brown soil, quartz, mica schist fragments 10-20%	0.2	C	0.6	34	10.75	7.98	43.9	3.8
623200	7073825	27988	Light brown soil, quartz, mica schist fragments 10-20%	0.6	C	1.2	24	24.96	9.03	67.5	5.2

623200	7073800	27989	Brown micaceous soil, mica-schist shingles (<3cm), ~5%	0.5	C	0.7	26	23.83	8.91	92.6	3.6
623200	7073775	27990	Brown micaceous soil, mica-schist shingles, 10-15%	0.7	C	2.3	41	25.41	10.83	58.2	7.3
623200	7073750	27991	Brown micaceous soil, mica-schist, 10-15%	0.6	C	0.4	12	29.51	5.62	61.9	2
623200	7073725	27992	Brown micaceous soil, mica-schist, 10-15%	0.8	C	2.1	31	30.68	6.13	57.6	4.2
623200	7073700	27993	Brown micaceous soil, mica-schist shingles, 10-15%	0.5	C	1.1	28	19.58	6.11	41.4	5.1
623200	7073675	27994	Brown micaceous soil, mica-schist, 10-15%	0.5	C	<0.2	32	28.09	5.11	67	3.3
623200	7073650	27995	Brown micaceous soil, mica-schist, 5-10%	0.4	C	<0.2	17	25.83	4.69	95.3	1.3
623200	7073625	27996	Brown soil, decomposed mica-schist, 5-10%	0.7	C	<0.2	17	33.84	5.6	75.9	0.7
623200	7073600	27997	Brown soil, siliceous mica-schist, 5-10%, fragments up to 5 cm	0.3	C	<0.2	22	20.37	5.43	61.8	3.4
623500	7073600	28051	Cinamon-brown soil, decomposed micaschist shingles 40-50%	0.3	C	<0.2	15	36.78	4.54	84	1
623500	7073625	28052	Yellow-brown soil, decomposed schist, angular quartz 20-30%	0.3	C	<0.2	24	13.01	4.61	48.5	1.1
623500	7073650	28053	Light brown soil, mica schist fragments, shingles 5-10%	0.1	C	<0.2	24	9.91	10.17	34.1	6.5
623500	7073675	28054	Light brown sandy soil, mica schist fragments ~5%	0.4	C	<0.2	18	15.11	6.89	48.1	1.5
623500	7073700	28055	Light brown strongly micaceous soil, quartz <5cm, schist frgmnts~5%	0.3	C	<0.2	49	17.45	6.68	73.5	3.7
623500	7073725	28056	Light brown strongly micaceous soil, biotite oblique to foliation	0.3	C	<0.2	11	61.22	4.28	85.7	2
623500	7073750	28057	Light brown strongly micaceous soil, biotite, garnet ~10%	0.2	C	<0.2	27	13.8	8.52	56.4	6.9
623500	7073775	28058	Light brown strongly micaceous soil, schist fragments ~10%	0.3	C	<0.2	25	37.1	4.45	77.2	4.5
623500	7073800	28059	Brown soil, mica schist, quartz fragments, 5-10%	0.5	C	<0.2	72	70.29	14.61	131.9	2.8
623500	7073825	28060	Brown soil, mica schist, quartz fragments, 5-10%	0.3	C	<0.2	22	31.46	9.97	89.7	5.8
623500	7073850	28061	Light brown micaceous soil, schist fragments 10-20%	0.3	C	0.2	58	39.4	6.61	102.8	1.5
623500	7073875	28062	Cinamon color soil, strongly micaceous, schist fragments 10-20%	0.4	C	0.8	14	28.67	6.79	76.4	3.3
623500	7073900	28063	Brown soil, mica schist frgaments, <5%	0.4	C	<0.2	45	25.02	5.23	79.1	3.7
623500	7073925	28064	Light brown strongly micaceous soil, schist, quartz fragments 10-20%	0.4	C	0.5	25	26.43	10.47	76.5	6.8
623500	7073950	28065	Light brown strongly micaceous soil, schist, quartz fragments 10-20%	0.3	C	1.5	75	25.34	8.95	66.9	17.3
623500	7073975	28066	Grey-brown micaceous soil, beige quartz fragments ~10%	0.4	C	0.4	45	17.93	8.07	52.3	1.9
623500	7074000	28067	Brown soil, mica schist frgaments, <5%	0.8	C	1.3	63	34.48	7.87	105	2.4
623500	7074025	28068	Greenish-brown soil, small schist fragments <5%	1.1	C	0.6	23	24.61	5.08	97.5	1.2
623500	7074050	28069	Brown soil, decomposed mica schist, <5%	0.5	C	1.1	61	37.42	11.77	124	0.5
623500	7074075	28070	Brown soil, decomposed mica schist, 20-30%	0.5	C	3	65	38.39	8.36	71	8.5
623500	7074100	28071	Brown soil, decomposed mica schist, 20-30%	0.4	C	1.7	43	48.18	7.31	99.6	2.5

Au, Ag in ppb; Cu, Pb, Zn, As in ppm

Gertie soil grid

Easting	Northing	#	Description	Depth	Au	Ag	Cu	Pb	Zn	As
619601	7087499	27951	Brown clayey, silty soil, small (<3cm) oval pebbles ~10%	1.2	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
619600	7087550	27952	Brown clayey, silty soil, numerous oval pebbles 10-20%	1.2	2.7	31	34.23	11.9	51.1	11.5
619599	7087600	27953	Brown soil, oval and angular pebbles and rock fragments ~10%	0.6	3.8	35	33.67	13.11	82.3	13.7
619600	7087650	27954	Brown soil, frozen, oval pebbles < 5%	0.5	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
619600	7087699	27955	Brown clayey, silty soil, frozen, no pebbles or rock fragments	0.5	2.7	57	26.91	11.23	60.5	10
619600	7087750	27956	Brown clayey, silty soil, frozen, one angular, pink quartz fragment	0.8	3.4	99	35.67	14.37	78.2	13.3
619599	7087799	27957	Brown clayey, silty soil, oval pebbles <10%	0.5	6	125	39.85	13.96	70.9	14.4
619600	7087850	27958	Brown frozen silty soil	0.7	3.1	79	29.48	10.29	76	12.2
619601	7087899	27959	Light brown, frozen silty soil	1.1	2.7	94	28.06	9.57	78.3	12.5
619600	7087950	27960	Brown soil, numerous oval pebbles 10-20%	1	3.7	82	26.91	10.17	64.3	10.8
619601	7088001	27961	Brown soil, numerous oval pebbles 20-30%	0.5	2.2	66	22.53	8.97	49.4	6.2
619700	7087500	27962	Light brown, silty soil (B-horizon), oval pebbles <5%	1	4.1	105	21.23	10.59	43.9	9.3
619700	7087550	27963	Brown soil, oval and angular gravel incl. black volcanic? 10-20%	0.5	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
619700	7087600	27964	Brown soil, oval and angular gravel 20-30%	0.8	6.6	50	35.55	11.68	68.4	12.5
619700	7087650	27965	Light brown soil, angular and oval pebbles, quartz, 20-30%	0.8	2.5	44	24.98	13.33	60.9	8.5
619699	7087700	27966	Khaki colored soil, yellow mica, below is brown clayey silt, r.f. 5-10%	0.6	1.7	49	27.76	12.21	54.8	4.8
619700	7087750	27967	Red-brown sandy soil, micaceous, oval and angular pebbles <4cm	0.6	2.1	22	20.95	15.21	54.8	5.8
619701	7087800	27968	Light brown, silty soil (B-horizon)	0.6	3.4	32	23.96	14.38	47.2	5.4
619700	7087850	27969	Reddish-greenish mottled soil, angular chloritic schist fragments	0.6	0.6	9	38.83	2.68	37.6	0.7
619701	7087900	27970	Red-brown soil, angular rock fragments (C-horizon)	0.6	1.1	10	48.08	3.09	68.5	0.7
619700	7087950	27971	Cinnamon-brown soil, angular & oval quartz $\pm$ carbonate pebbles	0.4	1.4	20	36.41	5.23	52.2	1.9
619698	7088001	27972	Brown soil, oval and angular pebbles 10-20%	0.7	3.4	48	20.81	7.7	50	6.7

Au, Ag in ppb; Cu, Pb, Zn, As in ppm

Rock samples from trenches, Coco, Daisy and Gertie Claim Block, with gold, silver, copper, lead, zinc and arsenic values

Easting	Northing	Sample#	Description		Au	Ag	Cu	Pb	Zn	As
623636	7072163	559662	SC, white, fractured vein quartz, no visible mineralization	Float	<0.2	<2	0.07	0.05	0.4	0.2
623579	7072127	559663	SC, white, fractured vein quartz, boulders aligned on strike 04 (N)	Float	<0.2	<2	0.81	0.87	1.3	0.2
623413	7072046	559664	SC, vein quartz fragments, boulders, garnetiferous sericite schist	Float	<0.2	<2	4.71	2.06	50.5	0.2
623496	7073755	619253	Sub-crop, bi-mu-garnet schist, saccaroid quartz, K-fldsp, yellow min.?	Float	1.4	<0.1	10.2	1.5	29	0.5
623397	7073834	619254	Lentiform quartz	TD1	1.6	<0.1	2.1	0.2	25	5.8
623397	7073834	619255	Muscovite schist with lenses of smokey quartz, discontinuous chip channel 0.6 m	TD1	1.1	<0.1	24.3	3.3	66	64.3
623380	7073801	619256	Finely foliated bi-mica-chlorite schist, faint Fe-oxides, smokey quartz + chlorite incl.	TD2	0.9	<0.1	36.3	2.4	57	1.7
623380	7073801	619257	Lentiform quartz	TD2						
623394	7073831	619279	Bi-mica-quartz±chlorite schist, 2 m long discontinuous chip channel	TD3						
623394	7073831	28072	Lentiform quartz from mica-quartz-garnet schist	TD3	<0.5	<0.1	13.5	1.4	6	0.7
623343	7073987	28073	Bi-mica-garnet schist with quartz lenses; large quartz boulder beside trench, no mineralization	TD4	<0.5	<0.1	30.9	2.4	112	1.2
623343	7073987	28074	Bi-mica-quartz±chlorite schist, sub-horizontal foliation	TD4						
623343	7073987	28075	Quartz with vugs locally filled with Fe-oxides and infiltrations	TD4	0.6	<0.1	45.3	5.6	7	<0.5
623510	7074053	28076	Lentiform quartz from contact with mica-quartz-garnet schist	TD5	0.5	<0.1	9.2	0.5	7	<0.5
623510	7074053	28077	Mica-quartz-garnet schist, contact with large quartz lense	TD5	1.8	<0.1	56.1	4.2	67	<0.5
623525	7074058	28078	Selective sample - yellow mineral, rhombic (carbonate) with black laths	TD6	0.6	<0.1	8	50.1	28	<0.5
623525	7074058	28079	Mica-quartz-garnet schist, locally sheared, crenulated, 2m long disc. Channel	TD6	<0.5	<0.1	35.8	4.1	62	<0.5
623525	7074058	27851	Mica-quartz-garnet schist, locally sheared, crenulated, 1m long disc. Channel	TD6	<0.5	<0.1	44.1	4.5	67	0.5
623531	7074048	27852	Mica-quartz-garnet schist, locally Fe-oxidic streaks, 0.7m long disc. channel	TD6	<0.5	<0.1	31.6	18.3	49	<0.5
623524	7074053	27853	Mica-quartz-garnet schist, disintegrated, into platelets, 1m long disc. channel	TD6	1.2	<0.1	45.9	4.7	76	3.5
623525	7074058	27854	Bi-mica-quartz-garnet±chlorite schist, 1m disc. Channel	TD6	<0.5	<0.1	21.7	4.3	46	<0.5
623528	7074064	27855	Bi-mica-quartz-garnet±chlorite schist, quartz lenses along foliation, 1m disc. Channel	TD7	1.4	<0.1	17.8	3.1	34	<0.5
623554	7074052	27856	Decomposed sheared mica-garnet schist, breaks into small shingles, 1m disc. Channel across foliation, m from S end.	TD8	<0.5	<0.1	31.9	2.8	22	<0.5
623555	7074055	27857	Sheared mica-garnet schist, fine folded, garnets in pressure shadows, 1m disc. Channl.	TD8	1.6	<0.1	15.6	2.9	18	1.2
623556	7074058	27858	Sheared mica-garnet schist, fine folded, garnets in pressure shadows, 1m disc. Channl.	TD8	<0.5	<0.1	16.4	2.3	14	<0.5
623550	7074060	27859	Mica-garnet schist, finely folded, garnets in pressure shadows, 1m disc. Channel across foliation.	TD8	<0.5	<0.1	23.3	2.5	28	<0.5
623549	7074064	27860	Mica-garnet schist, finely folded, 0.5m vertical discontinuous channel	TD8	1.4	<0.1	27.8	2.3	24	<0.5
623548	7074067	27861	Mica-garnet schist, finely folded, 0.5m vertical discontinuous channel	TD8	<0.5	<0.1	11.5	1.6	19	<0.5
623550	7074072	27862	Decomposed sheared mica-garnet schist, small shingles, 0.7m vert. disc. Channel	TD8	0.8	<0.1	35.6	3.8	72	5.1

623553	7074072	27863	Decomposed sheared mica-garnet schist, small shingles, 0.5m vert. disc. Channel.	TD8	1.8	<0.1	21.5	2.9	48	<0.5
623552	7074056	27864	Outcrop, Vein quartz, discontinuous vertical channel 0.7 m long	TD9	<0.5	<0.1	16.5	2.8	19	<0.5
623601	7074006	27865	Outcrop 3 by 1.5 m, extends 135°, mica-garnet schist host rock, no mineralization seen	Daisy	0.9	<0.1	1.8	0.1	1	<0.5

Abbreviations: bi-mica – bi-micaceous; bi – biotite; blk – black; bnds – bands; brn – brown; cal – calcite; CH – chip; chl – chlorite, chloritic; clm – columnar; crb – carbonate; crmb – crumbled; diss – disseminated; Fe-ox – Fe-oxidic; frgm – fragments; grph – graphite; inflt – infiltrations; K-fldsp – potassium feldspar; mi – mica; phlnt – phyllonite; phlt – phyllite; pl – pale; prt – pyrite; ptns – patins; qtz – quartz; qtzt – quartzite; scht – schist; shrd – sheared; sil – siliceous; spcs – specs; sprs – sparse; sqr – square; ser – sericite, sericitic; srpnt – serpentinite; sulph – sulphide; tlc – talc; [Blue](#) – field duplicate; Au in ppb, Ag, Cu, Pb, Zn and As in ppm.

APPENDIX II

List of Coco, Daisy and Gertie Quartz claims

Grant#	Cl.name	Claim#	Claim Owner	Cl.ExpiryDate	Status	NTSmap#
YF48522	Gertie	1	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48523	Gertie	2	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48524	Gertie	3	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48525	Gertie	4	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48526	Gertie	5	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48527	Gertie	6	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48528	Gertie	7	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48529	Gertie	8	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48530	Gertie	9	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48531	Gertie	10	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48532	Gertie	11	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48533	Gertie	12	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48534	Gertie	13	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48535	Gertie	14	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48536	Gertie	15	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48537	Gertie	16	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48538	Gertie	17	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48539	Gertie	18	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48540	Gertie	19	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48541	Gertie	20	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48542	Gertie	21	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48543	Gertie	22	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48544	Gertie	23	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48545	Gertie	24	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48546	Gertie	25	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48547	Gertie	26	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48548	Gertie	27	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48549	Gertie	28	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48550	Gertie	29	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48551	Gertie	30	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48552	Gertie	31	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48553	Gertie	32	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48554	Gertie	33	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48555	Gertie	34	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16
YF48556	Gertie	35	Coccinella Mining Corp. - 100%	12/16/2021	Application Pending	115O16

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YF51061	Coco	161	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51062	Coco	162	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51063	Coco	163	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51064	Coco	164	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51065	Coco	165	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51066	Coco	166	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51067	Coco	167	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51069	Coco	169	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51070	Coco	170	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51071	Coco	171	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51072	Coco	172	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51073	Coco	173	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51074	Coco	174	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51075	Coco	175	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51076	Coco	176	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51077	Coco	177	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51078	Coco	178	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51079	Coco	179	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51080	Coco	180	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51081	Coco	181	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51082	Coco	182	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51083	Coco	183	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51084	Coco	184	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51085	Coco	185	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51086	Coco	186	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51087	Coco	187	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51088	Coco	188	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15
YF51089	Coco	189	Coccinella Mining Corp. - 100%	12/16/2021	Active	115O15

APPENDIX III

Assay certificates



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

XyQuest Goldbank

604-889 Pender Street W

Vancouver British Columbia V6C 3B2 Canada

Submitted By: Boris Molak

Receiving Lab: Canada-Whitehorse

Received: September 08, 2016

Report Date: September 21, 2016

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI16000266.1

CLIENT JOB INFORMATION

Project: CoCo and Daisy
Shipment ID: 2016-06
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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 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
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	320	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	320	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 MINERAL LABORATORIES
VERITAS Canada

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Vancouver British Columbia V6C 3B2 Canada

Project:

CoCo and Daisy

Report Date:

September 21, 2016

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CERTIFICATE OF ANALYSIS

WHI16000266.1

	Method Analyte Unit MDL	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	%	%
		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
1509001	Soil	0.05	19.62	7.80	52.7	25	33.0	11.5	432	3.00	2.4	0.5	2.6	15.4	24.4	0.02	0.09	0.22	19	0.35	0.042
1509002	Soil	0.09	23.87	4.28	60.6	27	36.5	14.5	231	2.38	2.4	0.2	1.2	2.9	22.1	0.03	0.04	0.05	14	0.34	0.040
1509003	Soil	0.46	25.34	7.65	46.1	67	30.9	8.8	116	3.18	6.8	0.4	0.6	2.9	9.1	0.07	0.19	0.26	26	0.07	0.044
1509004	Soil	0.10	10.69	8.99	32.1	25	18.2	7.5	180	1.93	2.4	0.7	<0.2	10.4	30.9	0.04	0.10	0.08	18	0.48	0.054
1509005	Soil	0.52	17.33	3.29	62.1	9	32.7	14.2	168	2.62	2.0	0.8	1.0	6.0	16.0	0.03	0.05	0.06	22	0.29	0.065
1509006	Soil	0.97	9.42	8.64	27.6	52	7.2	3.3	76	1.86	4.3	0.7	1.3	4.4	14.6	0.03	0.24	0.20	38	0.08	0.023
1509007	Soil	0.78	24.86	6.49	36.8	61	15.6	7.1	88	2.50	4.4	1.9	1.2	12.0	14.6	0.04	0.24	0.15	28	0.08	0.039
1509008	Soil	0.30	18.20	3.92	51.3	18	29.1	9.8	176	2.46	1.4	1.3	0.7	13.5	12.5	0.04	0.05	0.12	31	0.22	0.097
1509009	Soil	0.24	39.12	2.06	48.4	7	58.9	16.1	160	3.06	1.2	1.7	0.7	9.5	19.4	0.02	0.03	0.11	47	0.37	0.119
1509010	Soil	0.41	18.89	4.51	59.1	14	29.7	11.8	184	3.12	2.1	1.2	1.0	7.8	16.6	0.03	0.08	0.06	50	0.23	0.072
1509011	Soil	0.65	31.50	8.10	55.2	23	34.4	11.8	181	3.22	10.9	1.7	0.6	9.2	8.7	0.05	0.17	0.19	47	0.13	0.067
1509012	Soil	0.27	13.90	3.84	23.3	7	16.2	7.6	123	1.59	1.5	1.0	<0.2	7.8	16.0	0.02	0.06	0.04	16	0.12	0.043
1509013	Soil	0.24	15.21	4.03	23.2	10	17.6	7.3	123	1.63	1.7	1.1	<0.2	8.3	16.7	0.02	0.06	0.04	16	0.13	0.046
1509014	Soil	0.16	19.35	6.63	41.0	21	31.4	10.5	128	2.38	1.5	1.1	0.6	12.9	14.3	0.02	0.07	0.08	29	0.18	0.070
1509015	Soil	2.68	50.00	13.99	138.3	32	69.1	26.0	546	4.90	17.8	1.3	1.1	14.6	36.0	0.02	0.04	0.60	54	0.36	0.037
1509016	Soil	0.30	42.61	16.44	89.3	38	60.7	23.6	313	3.41	10.5	1.0	1.5	20.0	64.2	0.02	0.08	0.37	22	1.46	0.054
1509017	Soil	0.16	31.15	17.01	87.7	59	43.8	19.3	426	3.27	18.0	0.9	0.6	15.3	204.8	0.04	0.08	0.38	24	4.46	0.049
1509018	Soil	0.31	37.31	11.05	120.3	38	54.8	22.8	265	4.68	6.4	1.8	1.5	20.6	31.7	0.01	0.05	0.48	32	0.75	0.039
1509019	Soil	0.08	48.19	20.32	69.1	49	66.2	30.2	390	4.14	57.1	0.8	1.4	17.0	40.4	0.01	0.10	0.68	23	0.44	0.054
1509020	Soil	0.57	15.72	61.68	97.4	491	31.9	13.0	294	3.99	90.5	0.4	1.2	6.7	10.3	0.72	0.19	1.86	42	0.13	0.028
1509021	Soil	0.18	52.12	9.14	100.6	38	58.1	21.8	198	4.35	34.8	0.9	2.0	6.3	57.9	0.02	0.07	0.17	44	0.46	0.028
1509022	Soil	0.19	37.47	14.42	98.5	53	84.7	21.7	433	4.17	119.6	0.7	2.7	15.2	190.2	0.05	0.17	0.34	45	3.29	0.057
1509023	Soil	0.09	25.01	12.85	64.0	30	37.7	16.9	358	3.08	161.5	0.7	1.0	15.3	277.0	0.02	0.10	0.30	18	4.38	0.042
1509024	Soil	0.20	24.04	16.68	48.3	92	29.4	11.6	459	2.66	39.3	1.3	1.2	11.4	187.5	0.04	0.12	0.37	12	8.95	0.053
1509025	Soil	0.17	32.44	16.14	54.5	162	44.2	21.2	671	3.48	55.5	1.1	2.2	17.7	140.6	0.04	0.18	0.68	16	4.55	0.058
1509026	Soil	0.11	22.58	13.13	58.4	44	31.2	13.6	225	3.03	57.3	2.1	2.3	15.4	289.4	0.01	0.11	0.46	14	5.49	0.063
1509027	Soil	0.25	29.24	11.62	76.2	298	40.8	14.8	326	3.51	502.3	1.2	15.0	20.2	68.1	0.02	1.32	0.35	14	1.27	0.031
1509028	Soil	0.19	26.68	15.40	63.8	116	34.7	13.6	384	2.64	584.9	3.0	1.1	18.4	448.3	0.03	0.26	0.46	10	6.88	0.043
1509029	Soil	0.17	24.96	16.50	70.0	87	34.8	15.3	527	3.43	678.5	1.5	0.7	19.3	206.3	0.06	0.21	0.48	10	5.05	0.049
1509030	Soil	0.24	23.35	7.95	62.1	11	38.1	12.6	161	2.79	3.3	0.9	0.4	12.4	14.6	0.02	0.12	0.48	17	0.15	0.028



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Project: CoCo and Daisy
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WHI16000266.1

	Method	Analyte	Unit	MDL	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
1509001	Soil	49.7	25.3	0.55	56.4	0.011	3	1.47	0.003	0.10	<0.1	5.8	0.20	<0.02	15	<0.1	<0.02	5.2			
1509002	Soil	5.9	22.2	0.57	57.2	0.082	<1	1.11	0.005	0.33	<0.1	2.4	0.36	<0.02	<5	<0.1	<0.02	2.9			
1509003	Soil	8.0	18.0	0.34	42.1	0.017	2	1.29	0.002	0.05	<0.1	1.9	0.12	<0.02	11	<0.1	<0.02	5.2			
1509004	Soil	16.1	20.4	0.42	70.8	0.046	2	0.97	0.004	0.21	<0.1	2.3	0.16	<0.02	13	<0.1	<0.02	3.2			
1509005	Soil	10.4	24.8	0.60	79.2	0.065	<1	1.51	0.004	0.32	<0.1	1.6	0.20	<0.02	7	<0.1	0.02	4.0			
1509006	Soil	21.0	14.8	0.21	82.8	0.044	<1	1.01	0.004	0.05	<0.1	2.0	0.13	<0.02	11	<0.1	<0.02	5.2			
1509007	Soil	27.2	23.6	0.32	100.1	0.043	<1	1.33	0.007	0.10	<0.1	2.6	0.16	0.06	16	<0.1	0.06	3.8			
1509008	Soil	21.8	46.8	0.64	84.7	0.079	1	1.38	0.005	0.50	<0.1	3.0	0.37	<0.02	6	<0.1	0.02	4.8			
1509009	Soil	34.8	53.3	0.98	114.0	0.106	<1	1.82	0.008	0.56	<0.1	3.7	0.46	<0.02	6	<0.1	0.06	5.0			
1509010	Soil	11.9	38.1	0.91	121.6	0.111	<1	1.84	0.006	0.59	<0.1	3.2	0.35	<0.02	<5	<0.1	<0.02	4.8			
1509011	Soil	18.3	45.3	0.73	80.7	0.078	<1	1.69	0.003	0.31	<0.1	3.7	0.30	<0.02	8	<0.1	0.04	5.9			
1509012	Soil	12.3	16.0	0.33	57.9	0.063	<1	0.91	0.003	0.30	<0.1	1.5	0.18	<0.02	<5	<0.1	<0.02	2.8			
1509013	Soil	13.0	16.3	0.32	60.6	0.061	<1	0.90	0.003	0.28	<0.1	1.5	0.17	<0.02	6	<0.1	0.02	2.8			
1509014	Soil	23.8	30.1	0.59	97.6	0.066	<1	1.53	0.005	0.32	<0.1	3.2	0.21	<0.02	<5	<0.1	<0.02	4.9			
1509015	Soil	98.6	69.8	1.68	125.5	0.109	<1	3.05	0.025	0.73	<0.1	7.8	0.45	<0.02	8	0.1	0.06	11.6			
1509016	Soil	85.3	24.6	0.42	60.4	0.025	<1	1.12	0.005	0.11	<0.1	9.1	0.18	<0.02	15	<0.1	<0.02	4.4			
1509017	Soil	53.0	29.1	0.62	69.6	0.020	<1	1.50	0.005	0.12	<0.1	6.7	0.15	<0.02	20	<0.1	0.04	5.5			
1509018	Soil	70.4	32.4	0.58	56.3	0.022	<1	1.21	0.005	0.17	<0.1	6.9	0.19	<0.02	<5	0.2	0.02	4.9			
1509019	Soil	66.2	32.2	1.01	53.0	0.006	<1	2.12	0.009	0.05	<0.1	6.0	0.10	<0.02	13	<0.1	<0.02	7.5			
1509020	Soil	13.4	39.9	1.94	99.4	0.025	<1	2.90	0.004	0.05	0.1	4.7	0.15	<0.02	16	0.2	0.05	8.6			
1509021	Soil	16.0	59.4	1.50	160.5	0.095	<1	3.14	0.024	0.48	<0.1	5.1	0.25	<0.02	7	0.1	<0.02	10.4			
1509022	Soil	52.2	91.0	1.29	107.2	0.025	<1	2.44	0.009	0.10	<0.1	7.2	0.18	<0.02	18	0.2	<0.02	8.2			
1509023	Soil	58.4	23.3	0.43	40.5	0.005	<1	1.35	0.005	0.09	<0.1	4.8	0.10	<0.02	18	<0.1	0.03	4.6			
1509024	Soil	42.1	13.4	0.22	51.1	0.002	<1	0.88	0.003	0.05	<0.1	4.6	0.10	<0.02	26	<0.1	0.03	2.4			
1509025	Soil	48.7	22.5	0.51	63.7	0.007	<1	1.16	0.003	0.11	<0.1	3.7	0.14	<0.02	18	<0.1	0.04	4.2			
1509026	Soil	67.0	15.7	0.47	39.1	0.028	<1	1.07	0.004	0.20	<0.1	5.7	0.26	<0.02	7	<0.1	0.05	3.4			
1509027	Soil	65.1	20.7	0.48	49.2	0.003	<1	1.41	0.003	0.08	<0.1	4.2	0.16	<0.02	17	0.2	<0.02	4.0			
1509028	Soil	52.2	16.4	0.47	48.7	0.002	<1	1.13	0.002	0.08	<0.1	2.6	0.10	<0.02	9	<0.1	<0.02	3.7			
1509029	Soil	66.5	11.0	0.06	64.6	0.001	<1	0.44	0.002	0.07	<0.1	3.9	0.20	<0.02	14	<0.1	0.05	1.5			
1509030	Soil	11.5	24.5	0.53	113.1	0.007	<1	1.69	0.007	0.07	<0.1	3.6	0.09	<0.02	<5	<0.1	<0.02	4.2			



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Project: CoCo and Daisy
Report Date: September 21, 2016

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CERTIFICATE OF ANALYSIS

WHI16000266.1

	Method Analyte Unit MDL	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
		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
1509031	Soil	0.12	22.34	10.75	69.9	175	29.7	12.9	390	3.19	27.2	1.7	4.6	12.7	150.0	0.02	0.21	0.29	10	4.25
1509032	Soil	0.33	31.20	27.37	81.0	696	42.7	16.3	792	4.38	23.9	2.8	3.1	15.0	80.1	0.13	0.17	1.00	19	3.63
1509033	Soil	0.19	25.52	17.34	74.8	88	32.3	16.4	422	2.83	42.4	2.3	0.7	15.9	199.8	0.02	0.06	0.38	13	3.35
1509034	Soil	0.15	27.48	9.73	67.6	68	34.9	13.1	233	2.73	1.1	0.8	0.9	18.3	67.7	0.03	0.08	0.34	14	0.54
1509035	Soil	0.53	22.71	10.91	71.3	39	32.9	15.0	257	3.49	19.1	0.9	0.8	8.1	21.4	0.03	0.36	0.26	45	0.20
1509036	Soil	0.12	17.41	11.74	85.3	72	37.2	14.7	319	3.65	1.7	1.8	1.9	17.6	331.5	0.03	0.10	0.34	17	5.21
1509037	Soil	0.52	42.56	21.62	103.4	177	79.8	26.9	456	4.17	54.4	1.5	3.4	19.9	142.4	0.07	0.33	0.57	20	2.46
1509038	Soil	0.26	36.75	19.86	104.0	129	60.3	25.4	423	3.98	45.6	1.6	0.9	20.6	144.9	0.04	0.23	0.48	18	2.61
1509039	Soil	0.34	60.54	11.35	79.4	25	64.8	25.4	401	4.54	3.6	1.0	2.7	20.5	28.5	<0.01	0.16	0.40	29	0.32
1509040	Soil	0.35	49.41	4.70	29.6	15	28.7	13.8	200	2.70	2.0	0.9	<0.2	15.2	8.5	0.04	0.08	0.15	22	0.16
1509041	Soil	0.18	42.59	6.23	55.4	19	99.7	19.3	489	3.84	3.4	1.0	0.5	9.7	27.6	0.04	0.13	0.14	60	0.56
1509042	Soil	0.15	62.85	2.45	30.3	11	81.3	18.6	276	2.01	1.3	0.3	<0.2	2.5	20.2	0.04	0.05	0.04	36	0.51
1509043	Soil	0.40	32.07	6.35	62.6	10	39.4	15.2	139	2.83	4.0	1.5	0.5	15.4	8.4	0.03	0.19	0.28	18	0.09
1509044	Soil	0.27	27.06	3.70	45.4	13	37.2	15.4	81	1.97	2.2	1.3	0.2	17.2	9.1	0.01	0.05	0.20	15	0.16
1509045	Soil	0.26	34.00	18.21	61.9	95	38.0	16.6	553	3.43	5.0	0.7	1.6	17.9	25.0	0.07	0.13	0.44	19	0.42
1509046	Soil	0.10	26.27	2.08	48.7	31	35.9	16.0	230	2.18	0.6	0.2	<0.2	1.5	35.5	0.02	0.02	<0.02	13	0.96
1509047	Soil	0.09	21.70	40.72	94.2	59	24.5	13.4	378	1.90	3.8	0.5	1.0	9.2	363.1	0.09	0.07	0.20	10	7.46
1509048	Soil	0.17	57.48	97.82	276.3	176	38.8	19.5	1020	3.46	3.3	0.6	0.7	9.1	68.4	0.42	0.09	0.43	19	1.66
1509049	Soil	0.18	27.08	15.92	57.9	58	43.1	21.3	646	3.19	3.8	0.6	1.2	8.4	186.6	0.05	0.10	0.18	16	8.60
1509050	Soil	0.11	31.63	6.41	57.7	34	39.6	19.4	513	2.91	4.2	0.3	<0.2	2.5	28.8	0.03	0.05	0.03	18	0.67
1509051	Soil	0.79	70.35	12.57	84.1	25	80.1	18.3	505	6.14	28.5	2.8	3.4	28.5	5.8	0.04	0.25	0.44	16	0.03
1509052	Soil	0.42	43.11	8.16	50.5	16	41.3	19.6	301	3.73	12.2	1.7	<0.2	22.2	6.6	0.04	0.13	0.33	19	0.11
1509053	Soil	0.70	38.03	5.59	39.6	29	32.0	8.6	87	2.40	13.7	1.7	0.8	19.8	9.0	0.04	0.14	0.27	16	0.13
1509054	Soil	0.18	23.75	31.12	32.5	67	32.7	13.9	554	2.23	7.9	0.6	1.0	10.6	388.4	0.06	0.07	0.31	10	10.27
1509055	Soil	0.45	40.55	10.01	77.0	15	107.2	24.5	718	4.82	1.4	1.7	0.8	17.4	16.8	0.05	0.06	0.45	82	0.48
1509056	Soil	0.81	19.34	8.20	50.6	34	26.2	10.5	141	3.07	9.6	0.9	1.3	8.3	6.3	0.03	0.29	0.25	34	0.06
1509057	Soil	0.48	28.53	4.70	37.9	11	42.4	12.4	93	2.77	2.3	1.2	<0.2	13.7	22.1	0.01	0.07	0.22	52	0.09
1509058	Soil	0.70	109.78	15.02	97.4	13	502.4	55.2	2520	10.36	14.4	2.5	6.4	5.3	30.1	0.06	0.19	0.15	252	0.63
1509059	Soil	0.20	6.83	4.81	65.3	7	180.8	25.7	203	3.85	3.7	0.8	<0.2	15.4	19.3	0.02	0.06	0.18	69	0.44
1509060	Soil	0.67	26.66	7.32	48.8	46	41.9	15.7	146	2.80	5.1	1.1	<0.2	9.2	9.5	0.04	0.20	0.25	28	0.10



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	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
1509031	Soil	52.5	11.7	0.08	75.7	<0.001	<1	0.47	0.002	0.11	<0.1	3.0	0.19	<0.02	9	<0.1	<0.02
1509032	Soil	73.2	18.4	0.18	105.0	0.005	<1	1.08	0.005	0.08	0.2	6.1	0.17	<0.02	49	0.1	0.02
1509033	Soil	57.4	21.7	0.42	23.0	0.004	<1	1.24	0.004	0.07	<0.1	4.3	0.11	<0.02	11	0.2	0.04
1509034	Soil	59.3	21.3	0.52	32.2	0.004	<1	1.35	0.002	0.07	<0.1	2.9	0.08	<0.02	8	0.2	0.02
1509035	Soil	16.9	36.4	0.58	173.4	0.028	<1	2.14	0.006	0.05	<0.1	4.0	0.13	<0.02	7	0.4	0.02
1509036	Soil	62.3	17.2	0.14	61.0	0.002	<1	0.68	0.004	0.06	<0.1	7.5	0.08	<0.02	16	0.2	0.04
1509037	Soil	48.4	66.4	0.79	122.3	0.003	<1	1.89	0.003	0.09	<0.1	4.5	0.16	<0.02	10	<0.1	0.04
1509038	Soil	49.8	31.7	0.78	95.4	0.003	<1	1.80	0.002	0.09	<0.1	4.3	0.13	<0.02	8	0.3	<0.02
1509039	Soil	54.0	35.3	1.15	73.8	0.009	<1	2.34	0.003	0.04	<0.1	7.4	0.08	<0.02	15	0.1	0.03
1509040	Soil	28.5	30.5	0.50	47.3	0.046	<1	1.13	0.004	0.19	<0.1	2.9	0.23	<0.02	6	<0.1	0.02
1509041	Soil	25.2	220.4	1.26	142.4	0.056	<1	2.14	0.007	0.17	<0.1	8.7	0.20	<0.02	7	0.1	0.04
1509042	Soil	8.2	147.6	0.81	124.6	0.091	<1	1.28	0.024	0.20	<0.1	2.7	0.13	<0.02	<5	<0.1	0.03
1509043	Soil	32.4	21.8	0.59	80.3	0.017	<1	1.52	0.003	0.03	<0.1	2.3	0.10	<0.02	<5	0.3	0.02
1509044	Soil	23.9	16.5	0.38	42.2	0.030	<1	0.95	0.003	0.11	<0.1	1.9	0.26	<0.02	8	<0.1	0.03
1509045	Soil	57.2	16.1	0.35	98.4	0.031	<1	0.99	0.004	0.07	<0.1	5.2	0.21	<0.02	15	0.2	<0.02
1509046	Soil	3.3	18.6	0.58	47.9	0.069	<1	1.05	0.005	0.38	<0.1	1.7	0.28	<0.02	<5	<0.1	<0.02
1509047	Soil	32.0	10.4	0.22	41.3	0.009	<1	0.78	0.002	0.08	<0.1	4.1	0.13	<0.02	10	0.2	0.03
1509048	Soil	33.0	20.0	0.59	94.6	0.043	<1	1.29	0.003	0.21	<0.1	4.2	0.22	<0.02	30	<0.1	0.04
1509049	Soil	33.1	20.6	0.46	98.8	0.017	<1	1.27	0.003	0.10	<0.1	5.1	0.10	<0.02	15	0.1	0.03
1509050	Soil	8.3	25.2	0.62	97.7	0.060	<1	1.36	0.005	0.29	<0.1	3.4	0.30	<0.02	12	<0.1	<0.02
1509051	Soil	98.4	16.6	0.17	54.3	0.007	<1	0.77	0.002	0.05	<0.1	6.2	0.10	<0.02	44	0.4	0.08
1509052	Soil	42.6	23.6	0.66	69.7	0.011	<1	1.39	0.003	0.05	<0.1	3.8	0.12	<0.02	11	0.2	0.06
1509053	Soil	77.7	11.0	0.23	69.0	0.014	<1	0.98	0.002	0.07	<0.1	2.1	0.11	<0.02	9	<0.1	0.04
1509054	Soil	44.0	14.3	0.54	73.9	0.012	<1	0.76	0.003	0.05	<0.1	3.8	0.09	<0.02	18	0.2	0.04
1509055	Soil	99.6	161.1	1.67	98.2	0.073	<1	2.49	0.003	0.28	<0.1	11.8	0.28	<0.02	11	0.1	0.04
1509056	Soil	22.3	24.3	0.55	109.6	0.023	<1	1.82	0.003	0.05	<0.1	2.9	0.13	<0.02	11	<0.1	0.04
1509057	Soil	41.4	73.7	0.74	80.2	0.046	<1	1.40	0.004	0.16	<0.1	6.2	0.22	<0.02	<5	<0.1	0.03
1509058	Soil	17.8	1066.2	2.96	303.6	0.225	<1	3.12	0.007	0.73	<0.1	28.4	0.90	<0.02	94	0.6	0.07
1509059	Soil	39.1	273.8	2.51	159.7	0.157	<1	2.91	0.006	0.73	<0.1	10.6	0.59	<0.02	<5	<0.1	<0.02
1509060	Soil	12.5	27.6	0.56	142.9	0.033	<1	1.74	0.003	0.08	<0.1	2.8	0.18	<0.02	7	<0.1	0.03



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	Method Analyte Unit MDL	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	%	%
		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
1509061	Soil	0.13	19.94	5.19	34.6	42	37.7	10.5	175	2.48	1.6	1.2	0.5	27.1	12.7	0.01	0.04	0.18	21	0.32	0.089
1509062	Soil	0.54	47.81	6.22	49.4	38	49.3	13.6	146	3.12	5.6	1.9	1.9	16.7	6.4	0.03	0.16	0.52	23	0.03	0.016
1509063	Soil	0.58	61.31	4.31	51.4	7	35.7	14.1	167	3.30	2.3	2.7	4.3	27.3	9.4	0.03	0.14	0.57	14	0.04	0.019
1509064	Soil	0.59	61.21	4.43	53.6	7	35.5	14.8	175	3.34	2.7	2.7	3.9	27.5	8.6	0.02	0.13	0.63	15	0.04	0.021
1509065	Soil	0.23	23.50	6.11	72.6	20	42.5	15.0	2485	3.31	1.5	0.7	2.8	8.0	28.1	0.42	0.15	0.13	19	0.53	0.138
1509066	Soil	0.65	14.23	8.04	41.9	16	23.6	9.1	247	2.67	6.1	1.0	0.8	10.6	7.7	0.05	0.24	0.20	23	0.08	0.030
1509067	Soil	0.53	4.29	8.15	57.5	15	21.5	9.4	184	3.12	5.9	1.7	0.7	15.4	11.8	0.05	0.20	0.18	29	0.10	0.053
1509068	Soil	0.41	37.90	13.38	74.1	12	69.6	24.3	159	4.38	3.9	0.8	<0.2	12.0	25.1	0.04	0.20	0.32	25	0.15	0.028
1509069	Soil	0.30	49.51	3.97	47.0	10	23.9	12.9	350	2.57	1.2	2.2	0.2	17.8	7.2	0.03	0.15	0.69	18	0.07	0.038
1509070	Soil	0.18	57.37	8.06	127.4	9	71.5	26.3	204	5.60	0.7	4.4	<0.2	29.6	10.3	<0.01	0.07	0.14	26	0.02	0.033
1509071	Soil	0.53	8.46	5.75	69.8	25	30.9	23.3	481	4.42	5.0	0.2	<0.2	1.1	22.9	0.06	0.20	0.12	108	0.37	0.065
1509072	Soil	0.34	112.99	6.19	61.8	17	39.1	42.7	255	4.27	0.9	4.9	1.4	21.8	10.7	0.02	0.07	0.38	32	0.17	0.113
1509073	Soil	0.06	81.73	3.28	92.3	9	51.8	36.0	486	3.80	0.6	3.4	4.2	19.9	7.6	<0.01	0.07	0.84	11	0.03	0.044
1509074	Soil	0.08	20.21	4.31	71.5	56	40.3	18.8	426	2.98	3.8	2.1	2.0	9.7	12.9	<0.01	0.06	0.27	9	0.25	0.116
1509075	Soil	0.78	35.73	4.46	105.1	21	60.3	23.6	597	4.37	7.8	2.1	0.6	15.1	6.2	<0.01	0.04	0.29	18	0.06	0.046
1509076	Soil	0.70	90.59	4.51	117.2	24	66.0	22.2	421	8.45	18.4	4.6	1.1	13.2	11.8	0.02	0.09	0.39	39	0.06	0.079
1509077	Soil	0.59	66.75	2.85	96.4	35	34.3	20.8	210	5.34	0.5	2.9	<0.2	16.1	14.0	<0.01	0.04	0.43	34	0.06	0.055
1509078	Soil	0.65	48.21	6.86	75.1	22	24.1	14.5	139	4.03	3.1	2.1	<0.2	14.6	7.8	<0.01	0.16	0.32	38	0.06	0.049
1509079	Soil	0.52	40.67	5.77	80.5	12	39.4	22.9	234	4.11	4.4	2.5	<0.2	14.1	6.8	0.02	0.26	0.30	29	0.07	0.041
1509080	Soil	0.66	45.79	7.81	91.1	20	36.5	17.5	152	5.30	11.0	2.3	0.7	19.2	9.7	<0.01	0.29	0.34	37	0.06	0.035
1509081	Soil	0.55	34.11	2.56	69.4	10	16.6	9.8	113	3.39	1.3	2.0	0.6	10.1	5.1	<0.01	0.08	0.32	14	0.01	0.034
1509082	Soil	0.39	88.14	8.00	99.6	10	60.1	25.8	308	4.68	0.1	5.2	<0.2	23.6	7.0	<0.01	0.04	0.55	15	0.06	0.058
1509083	Soil	0.27	40.71	5.12	121.2	20	47.5	23.5	474	5.22	2.7	1.9	0.3	11.9	4.0	0.01	0.10	0.23	18	0.03	0.010
1509084	Soil	0.25	30.13	3.14	106.1	36	45.1	19.5	253	4.45	1.8	3.1	1.6	17.2	6.6	<0.01	0.05	0.31	11	0.08	0.035
1509085	Soil	0.21	31.78	3.07	102.7	9	45.3	19.3	307	4.26	0.9	2.2	2.8	14.3	5.7	<0.01	0.04	0.51	9	0.10	0.067
1509086	Soil	0.24	32.50	3.34	113.0	14	60.5	29.0	363	4.27	1.2	3.9	<0.2	18.0	6.6	0.01	0.06	0.27	13	0.13	0.069
1509087	Soil	0.39	23.52	6.37	74.4	30	45.5	19.6	607	3.84	5.3	1.3	<0.2	14.5	6.8	<0.01	0.07	0.39	14	0.08	0.047
1509088	Soil	14.56	79.73	12.94	302.8	94	84.9	23.8	699	3.92	1.0	3.6	<0.2	16.1	20.7	1.85	0.24	1.64	80	0.13	0.060
1509089	Soil	0.33	79.25	18.00	81.5	52	57.1	37.1	573	4.44	2.6	1.5	<0.2	19.1	16.2	0.27	0.09	0.70	43	0.37	0.056
1509090	Soil	19.96	199.25	9.58	72.0	94	68.7	15.4	223	3.60	0.2	2.7	<0.2	7.3	30.1	0.21	0.08	1.77	73	0.48	0.219



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
1509061	Soil	60.5	46.1	1.46	35.2	0.039	<1	1.77	0.002	0.16	<0.1	5.0	0.27	<0.02	14	0.1	0.04
1509062	Soil	24.7	54.5	0.54	55.2	0.040	<1	1.25	0.002	0.11	<0.1	3.3	0.22	<0.02	6	0.4	0.04
1509063	Soil	71.5	20.7	0.48	54.9	0.036	<1	1.08	0.002	0.18	<0.1	4.4	0.31	<0.02	20	<0.1	0.08
1509064	Soil	70.8	20.1	0.48	51.8	0.034	<1	1.06	0.002	0.17	<0.1	4.6	0.29	<0.02	12	0.2	0.09
1509065	Soil	17.9	14.6	0.62	151.0	0.042	<1	0.95	0.007	0.26	<0.1	3.6	0.32	<0.02	14	<0.1	0.04
1509066	Soil	28.1	17.8	0.27	97.5	0.024	1	0.99	0.003	0.12	<0.1	2.4	0.14	<0.02	9	0.2	<0.02
1509067	Soil	31.9	21.9	0.89	87.8	0.061	<1	1.50	0.003	0.19	<0.1	2.1	0.18	<0.02	11	0.2	<0.02
1509068	Soil	35.1	35.5	1.00	115.0	0.004	<1	2.79	0.006	0.04	<0.1	3.6	0.16	<0.02	11	0.2	<0.02
1509069	Soil	72.0	16.1	0.31	90.4	0.005	<1	1.23	0.003	0.05	<0.1	3.2	0.08	<0.02	7	<0.1	<0.02
1509070	Soil	170.3	35.7	1.42	33.6	0.003	<1	2.87	0.004	0.06	<0.1	4.6	0.09	<0.02	15	<0.1	<0.02
1509071	Soil	4.1	66.9	1.66	158.2	0.109	<1	3.21	0.019	0.03	0.2	7.7	0.07	<0.02	15	<0.1	0.02
1509072	Soil	139.8	21.4	0.55	53.2	0.004	<1	1.61	0.004	0.02	<0.1	6.4	0.04	<0.02	13	<0.1	<0.02
1509073	Soil	74.5	7.6	0.03	46.5	<0.001	<1	0.22	0.003	0.03	<0.1	4.9	<0.02	<0.02	5	<0.1	0.06
1509074	Soil	38.3	14.0	0.06	23.5	<0.001	<1	0.33	0.005	0.05	<0.1	4.4	0.03	<0.02	<5	<0.1	0.05
1509075	Soil	58.8	18.3	0.19	19.6	<0.001	<1	0.52	0.003	0.03	<0.1	4.6	0.03	<0.02	8	0.2	0.02
1509076	Soil	55.2	38.0	0.78	64.5	0.003	<1	2.35	0.005	0.05	<0.1	9.0	0.07	<0.02	6	0.6	0.03
1509077	Soil	55.9	36.2	0.91	42.0	0.003	<1	1.94	0.006	0.04	<0.1	4.6	0.07	0.05	<5	0.4	<0.02
1509078	Soil	31.3	33.7	0.73	77.1	0.016	<1	1.94	0.005	0.04	<0.1	5.3	0.10	<0.02	9	0.4	<0.02
1509079	Soil	67.4	25.7	0.56	109.7	0.015	<1	1.62	0.005	0.04	<0.1	6.2	0.09	<0.02	10	0.3	0.02
1509080	Soil	40.6	34.4	0.77	182.1	0.015	<1	2.39	0.005	0.05	<0.1	7.9	0.09	<0.02	28	0.1	0.03
1509081	Soil	39.1	25.0	0.55	43.4	0.003	<1	1.57	0.003	0.03	<0.1	6.2	0.03	<0.02	<5	0.3	<0.02
1509082	Soil	95.0	25.1	0.61	20.6	0.002	<1	1.39	0.003	0.02	<0.1	5.7	0.03	<0.02	7	0.2	<0.02
1509083	Soil	40.8	18.1	0.04	48.8	0.001	<1	0.52	0.004	0.05	<0.1	8.6	0.07	<0.02	16	0.2	0.03
1509084	Soil	59.8	13.0	0.04	27.4	<0.001	<1	0.26	0.002	0.02	<0.1	6.0	0.03	<0.02	30	<0.1	0.02
1509085	Soil	51.9	10.2	0.04	20.7	<0.001	<1	0.25	0.003	0.03	<0.1	5.3	0.04	<0.02	<5	0.2	0.02
1509086	Soil	72.3	15.9	0.11	25.6	<0.001	<1	0.44	0.004	0.04	<0.1	4.5	0.03	<0.02	<5	0.1	0.02
1509087	Soil	59.8	22.0	0.07	39.9	<0.001	<1	0.29	0.003	0.07	<0.1	5.6	0.08	<0.02	27	0.1	<0.02
1509088	Soil	57.1	15.8	0.06	141.0	<0.001	<1	0.38	0.003	0.06	<0.1	4.4	0.18	<0.02	6	1.2	0.13
1509089	Soil	65.2	18.1	0.40	96.4	<0.001	<1	0.85	0.004	0.05	<0.1	4.8	0.15	<0.02	16	<0.1	0.06
1509090	Soil	18.4	12.1	0.08	82.2	<0.001	<1	0.39	0.003	0.05	0.1	3.7	0.14	<0.02	53	1.3	0.10



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	Method Analyte Unit MDL	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	%	%
		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
1509091	Soil	1.80	49.42	9.55	47.0	96	47.2	27.7	387	3.53	7.5	0.5	0.3	2.4	22.0	0.11	0.05	0.16	111	2.65	0.187
1509092	Soil	1.15	108.72	8.32	52.9	71	53.1	28.5	851	4.92	0.6	0.6	<0.2	16.7	11.0	0.08	0.08	0.23	116	0.56	0.168
1509093	Soil	0.22	14.64	11.73	50.5	46	27.7	10.8	249	2.94	0.3	1.3	<0.2	19.8	144.3	0.01	0.08	0.76	9	3.59	0.049
1509094	Soil	0.23	16.08	13.43	53.1	40	29.4	11.0	258	2.95	0.2	1.4	<0.2	19.0	155.8	0.02	0.08	0.76	9	3.89	0.048
1509095	Soil	0.18	37.44	146.38	775.8	162	58.3	23.0	271	3.19	0.7	1.4	<0.2	22.5	133.7	0.30	0.10	0.30	14	2.91	0.050
1509096	Soil	0.28	34.26	5.91	65.7	5	41.5	15.7	146	3.51	1.1	1.2	<0.2	22.2	8.6	<0.01	0.14	0.26	27	0.12	0.032
1509097	Soil	0.11	30.73	9.75	42.1	71	43.3	18.0	146	2.18	0.4	0.9	2.8	22.8	171.1	0.05	0.08	0.52	10	3.47	0.041
1509098	Soil	0.36	81.46	30.98	333.5	25	36.9	15.5	638	3.17	0.3	0.8	0.4	16.7	201.1	0.26	0.20	0.42	11	6.29	0.071
1509099	Soil	0.15	32.10	9.49	68.5	43	52.0	22.8	465	4.24	<0.1	2.1	0.3	22.7	29.8	0.03	0.07	0.39	11	1.29	0.060
1509100	Soil	0.23	9.66	6.25	107.2	19	39.5	18.4	322	5.71	0.8	1.3	<0.2	19.4	93.4	0.03	0.06	0.29	30	3.02	0.064
1509101	Soil	0.38	24.14	8.06	39.4	10	31.7	10.8	168	3.06	3.2	0.5	<0.2	6.4	10.2	0.05	0.14	0.09	44	0.11	0.058
1509102	Soil	0.23	25.24	3.41	32.8	<2	21.7	6.6	59	1.93	1.7	2.0	<0.2	19.7	9.5	0.01	0.05	0.19	13	0.20	0.098
1509103	Soil	0.22	34.02	3.57	26.5	5	19.1	10.7	117	2.20	1.4	1.8	<0.2	16.5	14.7	0.03	0.04	0.19	25	0.19	0.083
1509104	Soil	0.15	24.18	3.33	44.9	6	21.0	8.9	308	2.26	1.9	0.8	<0.2	9.7	10.8	0.01	0.07	0.03	31	0.17	0.044
1509105	Soil	0.12	29.40	5.25	45.0	3	21.6	10.8	177	2.72	1.0	1.1	<0.2	13.9	18.2	<0.01	0.04	0.06	30	0.19	0.055
1509106	Soil	0.17	57.04	4.98	66.9	11	61.8	18.4	235	3.55	1.3	1.6	<0.2	10.6	20.5	0.02	0.06	0.17	54	0.37	0.113
1509107	Soil	0.14	20.04	3.05	27.7	15	27.2	8.0	133	2.22	2.0	1.9	<0.2	21.7	8.3	0.02	0.05	0.17	14	0.16	0.077
1509108	Soil	0.28	40.12	7.05	34.3	16	51.8	14.7	135	2.63	2.7	0.7	<0.2	9.6	12.5	0.01	0.10	0.18	44	0.23	0.096
1509109	Soil	0.18	22.91	6.21	46.5	37	28.8	11.5	340	2.40	1.7	0.8	<0.2	7.6	24.6	0.04	0.11	0.11	23	0.29	0.049
1509110	Soil	0.71	13.76	6.76	40.4	67	17.1	8.4	158	2.93	7.0	0.3	<0.2	2.9	11.0	0.07	0.29	0.14	58	0.15	0.046
1509111	Soil	0.15	12.98	2.98	25.3	10	48.1	11.9	142	1.54	3.0	0.2	<0.2	1.1	26.1	<0.01	0.12	0.16	24	0.39	0.071
1509112	Soil	0.16	16.86	4.88	35.1	16	49.7	10.7	331	1.91	2.1	0.3	<0.2	3.0	34.8	0.01	0.06	0.29	25	0.41	0.073
1509113	Soil	0.08	18.22	1.34	49.0	5	22.9	11.6	368	1.75	1.1	0.2	<0.2	2.4	25.6	0.02	0.03	<0.02	12	0.26	0.050
1509114	Soil	0.20	84.55	18.50	61.8	118	24.8	45.7	2548	4.10	3.8	0.6	<0.2	4.6	375.6	0.23	0.23	1.32	60	9.68	0.094
1509115	Soil	0.39	58.10	4.56	30.5	14	31.7	12.0	154	2.64	5.1	0.4	<0.2	4.5	14.0	0.02	0.14	0.09	39	0.29	0.081
1509116	Soil	0.17	23.75	4.06	44.8	31	21.7	12.1	251	2.64	3.9	0.6	0.8	3.4	22.3	0.03	0.17	0.08	55	0.47	0.080
1509117	Soil	0.13	50.62	12.48	45.3	76	119.4	34.8	1722	4.68	1.6	0.9	0.7	8.4	116.9	0.11	0.07	0.21	114	5.81	0.513
1509118	Soil	0.18	32.84	8.69	47.1	64	39.5	20.3	432	3.16	5.0	2.0	0.6	18.1	23.3	0.07	0.16	0.33	45	0.56	0.153
1509119	Soil	0.58	15.88	6.82	28.5	84	17.5	9.0	142	1.77	4.5	0.4	<0.2	4.5	15.1	0.12	0.15	0.12	30	0.22	0.045
1509120	Soil	0.09	23.26	17.03	111.7	90	42.5	20.2	449	4.85	685.0	2.6	7.9	17.6	35.9	0.02	0.80	0.57	19	0.01	0.030



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	Method	Analyte	Unit	MDL	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
1509091	Soil	22.6	30.7	1.38	197.2	0.073	<1	2.02	0.004	0.22	<0.1	10.6	0.21	<0.02	17	0.2	<0.02	7.2			
1509092	Soil	57.5	34.3	1.74	72.8	0.016	<1	2.31	0.004	0.10	<0.1	12.4	0.13	<0.02	8	0.2	0.03	8.5			
1509093	Soil	69.6	7.6	0.07	49.4	<0.001	<1	0.34	0.003	0.05	<0.1	6.1	0.09	<0.02	45	<0.1	<0.02	0.7			
1509094	Soil	76.8	7.7	0.07	54.7	<0.001	<1	0.38	0.003	0.05	<0.1	6.2	0.09	<0.02	50	0.2	<0.02	0.6			
1509095	Soil	95.2	16.7	0.57	74.2	<0.001	<1	1.48	0.004	0.05	<0.1	6.7	0.07	<0.02	<5	0.2	<0.02	5.0			
1509096	Soil	100.1	33.2	0.86	111.5	0.023	<1	1.92	0.004	0.06	<0.1	3.5	0.10	<0.02	<5	<0.1	<0.02	5.3			
1509097	Soil	89.8	10.6	0.43	16.5	0.001	<1	0.99	0.003	0.04	<0.1	6.0	0.04	<0.02	<5	0.2	0.05	3.4			
1509098	Soil	42.5	10.7	0.18	71.2	<0.001	<1	0.65	0.004	0.06	<0.1	5.8	0.08	<0.02	<5	0.3	<0.02	1.2			
1509099	Soil	79.5	18.1	0.76	54.9	0.001	<1	1.14	0.003	0.05	<0.1	7.0	0.04	<0.02	<5	<0.1	0.06	2.7			
1509100	Soil	54.9	39.6	3.56	43.6	0.012	<1	3.50	0.003	0.07	<0.1	8.0	0.08	<0.02	<5	0.3	<0.02	9.9			
1509101	Soil	13.3	39.5	0.71	92.0	0.041	1	1.93	0.005	0.29	<0.1	4.2	0.15	<0.02	<5	0.1	0.03	6.0			
1509102	Soil	67.1	16.5	0.36	69.0	0.041	<1	0.91	0.002	0.26	<0.1	2.8	0.26	<0.02	<5	<0.1	0.04	2.6			
1509103	Soil	38.7	18.2	0.42	75.0	0.052	<1	0.91	0.003	0.29	<0.1	2.2	0.21	<0.02	<5	0.1	0.06	2.5			
1509104	Soil	18.3	29.2	0.59	117.9	0.101	<1	1.39	0.004	0.32	<0.1	2.0	0.22	<0.02	<5	<0.1	0.03	3.2			
1509105	Soil	24.1	36.6	0.70	145.1	0.091	<1	1.69	0.005	0.49	<0.1	3.0	0.33	<0.02	5	0.1	0.04	4.8			
1509106	Soil	29.1	72.0	0.94	352.0	0.056	<1	1.95	0.005	0.24	<0.1	7.8	0.23	<0.02	<5	0.2	0.03	6.0			
1509107	Soil	79.1	16.0	0.32	131.6	0.031	<1	1.02	0.003	0.19	<0.1	3.0	0.26	<0.02	7	<0.1	0.05	2.2			
1509108	Soil	25.6	40.9	0.61	146.2	0.023	<1	1.51	0.004	0.13	<0.1	6.6	0.11	<0.02	<5	<0.1	<0.02	5.0			
1509109	Soil	21.3	27.5	0.91	244.0	0.062	<1	1.50	0.004	0.27	<0.1	4.5	0.19	<0.02	6	0.2	0.04	4.1			
1509110	Soil	12.8	31.3	0.54	146.6	0.039	2	1.66	0.006	0.10	0.1	4.1	0.12	<0.02	7	<0.1	0.02	6.0			
1509111	Soil	3.7	62.1	0.88	199.3	0.069	1	1.11	0.010	0.10	<0.1	1.8	0.14	<0.02	<5	<0.1	<0.02	2.7			
1509112	Soil	6.9	38.6	1.11	116.5	0.054	<1	1.28	0.004	0.16	<0.1	3.1	0.09	<0.02	5	<0.1	0.04	3.5			
1509113	Soil	4.8	17.2	0.69	104.0	0.095	<1	1.02	0.003	0.46	<0.1	1.1	0.27	<0.02	<5	<0.1	0.02	2.5			
1509114	Soil	19.0	30.1	1.19	356.3	0.022	1	2.02	0.004	0.23	<0.1	7.0	0.21	<0.02	21	0.3	0.06	5.9			
1509115	Soil	12.9	27.2	0.51	103.4	0.041	<1	1.26	0.005	0.21	<0.1	3.9	0.12	<0.02	<5	0.1	<0.02	4.7			
1509116	Soil	16.7	43.8	0.94	355.9	0.082	<1	1.66	0.009	0.14	<0.1	4.4	0.11	<0.02	11	<0.1	<0.02	5.0			
1509117	Soil	54.9	169.8	3.16	324.3	0.082	<1	2.54	0.009	0.22	<0.1	10.0	0.16	<0.02	18	0.2	0.06	8.1			
1509118	Soil	74.0	29.2	1.07	125.6	0.047	<1	1.57	0.006	0.20	<0.1	5.1	0.30	<0.02	13	0.2	0.03	4.7			
1509119	Soil	13.2	18.6	0.35	114.5	0.025	<1	0.99	0.006	0.09	<0.1	2.1	0.06	<0.02	12	<0.1	0.03	4.1			
1509120	Soil	55.1	11.1	0.02	31.8	<0.001	<1	0.49	0.005	0.05	<0.1	6.1	0.19	0.04	8	<0.1	0.02	1.5			



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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	%	%
		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
1509121	Soil	0.24	13.85	6.88	59.8	25	22.1	13.5	303	5.56	12.6	2.1	3.8	16.1	34.5	<0.01	0.48	0.47	20	<0.01	0.059
1509122	Soil	5.12	90.51	11.67	122.8	14	67.6	27.2	774	5.92	16.4	2.3	0.8	18.2	6.8	0.02	0.11	0.23	23	0.02	0.035
1509123	Soil	0.33	27.11	8.40	95.6	18	50.0	23.9	467	4.85	3.7	2.2	<0.2	17.8	8.6	0.02	0.20	0.17	28	0.05	0.039
1509124	Soil	0.46	56.89	5.76	90.7	17	37.9	19.7	300	4.49	1.5	2.4	2.0	18.1	9.6	0.01	0.31	0.20	23	0.01	0.032
1509125	Soil	0.30	7.92	5.88	76.5	7	46.6	20.6	408	3.46	1.5	2.3	<0.2	19.0	10.6	<0.01	0.19	0.42	26	0.04	0.030
1509126	Soil	0.51	11.70	4.60	52.3	20	26.7	21.4	385	2.91	1.8	1.5	<0.2	13.9	12.7	0.03	0.25	0.25	31	0.09	0.049
1509127	Soil	0.25	9.36	6.17	75.5	5	34.0	19.0	321	3.87	0.2	2.7	<0.2	26.6	14.2	0.03	0.11	0.58	29	0.04	0.037
1509128	Soil	0.57	42.18	3.31	99.1	7	42.1	18.6	735	4.00	2.7	1.8	1.2	17.2	5.8	<0.01	0.06	0.12	13	<0.01	0.019
1509129	Soil	0.89	55.18	3.45	88.3	6	40.6	18.0	438	3.98	2.8	1.8	0.9	18.1	5.4	0.01	0.10	0.18	12	<0.01	0.015
1509130	Soil	0.12	65.27	4.12	81.6	10	41.2	17.5	180	3.64	0.3	2.4	4.5	24.2	9.0	0.03	0.07	2.64	25	0.06	0.055
1509131	Soil	0.16	120.15	5.63	106.1	14	43.0	28.4	494	5.37	1.7	2.2	4.1	18.8	7.4	0.02	0.11	0.72	31	0.03	0.068
1509132	Soil	0.32	44.51	5.94	97.4	23	41.4	28.3	423	4.05	4.3	2.1	1.2	21.8	5.8	0.01	0.15	0.11	13	0.02	0.028
1509133	Soil	0.70	47.14	18.72	93.2	25	62.3	45.3	415	3.45	1.6	2.8	0.8	20.5	3.6	<0.01	0.11	0.46	14	0.02	0.032
1509134	Soil	0.48	29.41	7.54	108.6	26	25.3	14.8	329	4.68	19.2	3.0	<0.2	17.6	8.3	0.01	0.12	0.54	27	0.02	0.047
1509135	Soil	0.49	61.50	10.62	135.0	53	54.8	28.2	359	5.40	70.1	3.1	0.7	14.7	9.5	0.09	0.12	0.42	33	0.04	0.059
1509136	Soil	0.74	44.58	6.78	101.4	31	39.7	20.0	304	4.08	23.9	2.3	1.1	11.3	14.7	0.02	0.34	0.26	38	0.11	0.040
1509137	Soil	0.46	41.55	5.98	70.4	33	29.5	16.3	201	3.46	25.2	1.5	1.8	12.4	15.3	0.02	0.31	0.24	34	0.17	0.053
1509138	Soil	0.69	50.60	6.87	88.0	31	56.3	23.1	337	4.41	54.9	2.8	1.1	14.9	15.0	0.03	0.37	0.28	29	0.22	0.094
1509139	Soil	0.56	42.50	4.85	94.6	8	60.4	31.8	289	3.73	7.8	2.5	1.8	16.9	12.6	0.02	0.38	0.31	22	0.11	0.037
1509140	Soil	0.51	33.92	3.98	85.2	19	61.5	38.8	246	3.72	5.3	2.3	3.8	18.2	14.4	0.01	0.29	0.45	22	0.17	0.061
1509141	Soil	0.48	40.86	2.53	54.1	4	70.5	28.8	258	3.74	2.3	2.1	0.8	24.9	11.4	<0.01	0.18	0.38	12	0.10	0.031
1509142	Soil	0.45	57.35	5.66	72.9	53	41.6	24.3	611	4.86	2.7	1.9	0.7	24.3	27.9	0.04	0.12	0.51	28	0.47	0.050
1509143	Soil	0.93	33.88	11.85	40.6	54	39.7	16.8	394	2.99	2.5	1.3	0.2	24.8	211.9	0.02	0.13	0.75	13	3.98	0.057
1509144	Soil	0.43	35.54	13.53	91.4	135	47.9	18.5	265	3.44	6.8	2.1	0.6	20.2	45.2	0.05	0.13	0.24	17	0.28	0.070
1509145	Soil	0.04	27.02	14.01	63.6	33	35.9	16.6	310	3.09	0.8	0.6	0.3	20.5	225.1	0.02	0.06	0.41	20	3.25	0.044
1509146	Soil	0.27	32.58	20.49	44.7	29	43.0	20.6	757	3.24	0.6	3.1	0.2	26.8	203.7	0.03	0.13	0.59	9	3.99	0.064
1509147	Soil	0.36	38.20	36.47	73.8	185	48.6	17.3	962	3.98	9.8	2.3	4.1	25.3	83.5	0.08	0.13	0.34	9	2.34	0.111
1509148	Soil	0.33	41.09	6.39	61.6	4	32.8	10.8	147	3.17	2.1	2.7	0.4	25.9	7.1	<0.01	0.10	0.33	12	0.09	0.045
1509149	Soil	0.56	42.62	7.88	70.1	5	65.3	16.3	295	3.80	1.2	3.3	0.3	21.7	14.5	0.03	0.05	0.33	33	0.20	0.055
1509150	Soil	0.34	88.30	4.89	46.4	4	92.7	31.4	834	3.57	1.1	0.6	<0.2	2.8	38.2	0.02	0.05	0.06	83	0.80	0.207



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	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
1509121	Soil	51.0	13.8	0.26	40.2	0.003	<1	0.90	0.004	0.04	<0.1	5.3	0.09	0.03	7	<0.1	<0.02
1509122	Soil	67.0	19.0	0.23	35.0	0.002	<1	0.75	0.003	0.04	<0.1	10.5	0.08	<0.02	11	0.3	0.07
1509123	Soil	56.5	23.6	0.40	63.0	0.009	<1	1.20	0.003	0.04	<0.1	7.7	0.08	<0.02	15	0.1	<0.02
1509124	Soil	60.8	20.7	0.56	47.2	0.003	<1	1.12	0.003	0.04	<0.1	6.2	0.07	<0.02	10	0.1	0.02
1509125	Soil	69.4	17.5	0.31	76.5	0.014	<1	1.04	0.004	0.05	<0.1	4.5	0.10	<0.02	9	<0.1	<0.02
1509126	Soil	46.3	21.3	0.38	95.8	0.026	<1	1.19	0.005	0.03	<0.1	2.9	0.06	<0.02	8	0.1	<0.02
1509127	Soil	79.9	25.2	0.36	67.7	0.011	<1	1.35	0.004	0.04	<0.1	4.1	0.08	<0.02	<5	<0.1	<0.02
1509128	Soil	82.0	14.3	0.05	21.4	<0.001	<1	0.34	0.002	0.03	<0.1	6.7	0.08	<0.02	18	<0.1	0.03
1509129	Soil	83.3	14.2	0.05	28.0	<0.001	1	0.39	0.002	0.03	<0.1	6.5	0.06	<0.02	14	<0.1	0.03
1509130	Soil	118.6	25.4	0.75	39.8	0.007	<1	1.57	0.004	0.02	<0.1	4.5	0.05	<0.02	11	<0.1	0.15
1509131	Soil	128.5	24.2	0.54	38.7	0.002	<1	1.10	0.003	0.02	<0.1	7.4	0.03	<0.02	16	<0.1	0.07
1509132	Soil	75.3	15.3	0.06	43.7	0.002	1	0.41	0.003	0.02	<0.1	7.4	0.03	<0.02	16	0.2	<0.02
1509133	Soil	93.4	15.0	0.19	33.0	0.002	<1	0.62	0.003	0.02	<0.1	5.2	0.03	<0.02	14	0.2	0.04
1509134	Soil	48.9	31.5	0.65	72.5	0.005	<1	1.67	0.004	0.02	<0.1	5.5	0.05	<0.02	<5	0.4	0.02
1509135	Soil	64.9	28.2	0.54	119.1	0.005	<1	1.45	0.004	0.03	<0.1	6.4	0.04	<0.02	10	0.4	0.02
1509136	Soil	48.2	30.5	0.53	105.2	0.021	<1	1.50	0.007	0.04	<0.1	6.4	0.07	<0.02	23	0.3	0.03
1509137	Soil	38.9	25.6	0.54	132.0	0.028	<1	1.37	0.006	0.04	<0.1	4.3	0.06	<0.02	15	0.1	0.03
1509138	Soil	69.2	23.6	0.49	229.9	0.021	<1	1.35	0.005	0.03	<0.1	5.6	0.05	<0.02	14	<0.1	0.04
1509139	Soil	84.9	24.5	0.48	220.7	0.016	<1	1.36	0.004	0.04	<0.1	6.0	0.05	<0.02	14	0.2	0.02
1509140	Soil	88.7	24.6	0.64	247.9	0.012	<1	1.47	0.006	0.04	<0.1	3.8	0.03	<0.02	11	0.2	0.03
1509141	Soil	79.5	23.7	0.70	203.2	0.004	<1	1.60	0.004	0.03	<0.1	4.8	0.03	<0.02	9	0.2	<0.02
1509142	Soil	88.6	23.8	0.23	114.9	0.001	<1	0.71	0.005	0.05	<0.1	8.7	0.08	<0.02	7	0.2	<0.02
1509143	Soil	74.7	16.9	0.39	109.7	0.007	<1	1.09	0.005	0.08	<0.1	6.1	0.11	<0.02	8	0.4	<0.02
1509144	Soil	90.2	32.3	0.70	106.5	0.002	1	1.72	0.007	0.08	<0.1	2.4	0.07	0.02	6	<0.1	0.04
1509145	Soil	70.2	28.6	0.63	61.6	0.011	<1	1.60	0.004	0.15	<0.1	5.3	0.17	<0.02	8	<0.1	<0.02
1509146	Soil	86.1	12.8	0.38	53.6	0.005	<1	0.94	0.004	0.07	<0.1	4.5	0.11	<0.02	<5	<0.1	<0.02
1509147	Soil	134.8	11.5	0.17	52.5	0.004	<1	0.67	0.003	0.05	<0.1	8.9	0.12	<0.02	24	0.1	0.04
1509148	Soil	75.0	16.7	0.39	100.9	0.026	<1	1.12	0.003	0.15	<0.1	4.7	0.35	<0.02	<5	0.2	0.04
1509149	Soil	73.1	72.4	1.07	98.7	0.045	<1	1.83	0.004	0.29	<0.1	5.7	0.35	<0.02	<5	<0.1	0.06
1509150	Soil	16.4	138.9	1.41	167.7	0.073	<1	1.74	0.020	0.17	<0.1	8.8	0.26	<0.02	<5	<0.1	<0.02



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	Method Analyte Unit MDL	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	%	%
		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
1509151	Soil	0.17	16.83	3.61	65.8	39	34.4	14.2	236	2.16	0.3	1.0	0.6	16.1	21.1	<0.01	0.03	0.23	7	0.34	0.073
1509152	Soil	5.03	59.15	15.77	92.9	98	69.7	24.6	1035	5.51	3.8	2.2	0.3	15.9	24.0	0.10	0.16	0.37	43	0.43	0.077
1509153	Soil	1.20	41.14	12.87	64.1	92	42.9	14.4	403	3.66	11.1	1.0	5.6	16.7	10.5	0.02	0.30	0.28	16	0.21	0.022
1509154	Soil	4.36	69.76	16.89	96.5	33	72.3	21.1	539	5.02	11.4	1.9	1.9	13.9	22.6	0.09	0.47	0.36	60	0.35	0.073
1509155	Soil	4.16	65.81	16.50	94.2	45	66.7	21.0	520	4.88	9.4	1.8	1.7	13.9	21.3	0.06	0.45	0.34	55	0.35	0.072
1509156	Soil	0.10	1.94	1.30	6.4	25	4.1	1.6	257	0.47	1.0	0.3	<0.2	0.9	289.0	0.01	0.05	<0.02	4	19.91	0.054
1509157	Soil	1.31	42.94	15.61	61.9	212	42.8	14.1	745	3.44	12.5	0.7	7.5	9.3	40.9	0.06	0.71	0.25	39	2.12	0.049
1509158	Soil	1.64	76.24	14.01	69.6	95	69.2	36.7	1800	5.01	1.4	1.3	2.6	16.7	16.5	0.07	0.19	0.30	58	0.33	0.092
1509159	Soil	0.59	43.05	9.42	111.1	68	130.8	27.8	723	5.16	11.7	1.5	1.3	9.3	61.7	0.03	0.18	0.31	44	1.26	0.063
1509160	Soil	0.80	65.88	3.10	67.4	15	62.1	24.5	443	4.06	3.7	0.5	<0.2	2.2	15.5	0.04	0.15	0.04	77	0.38	0.142
1509161	Soil	0.63	57.72	6.99	50.8	54	44.6	18.9	429	3.73	6.5	0.6	0.9	2.3	16.4	0.07	0.30	0.13	75	0.26	0.100
1509162	Soil	0.41	9.62	4.16	32.3	31	24.2	17.6	408	3.97	2.7	0.6	0.7	7.3	10.1	0.04	0.20	0.09	83	0.19	0.053
1509163	Soil	1.91	34.89	15.98	48.7	24	16.9	11.2	266	3.11	12.1	2.4	0.8	19.2	5.3	0.22	0.32	0.32	28	0.03	0.023
1509164	Soil	0.62	39.46	4.11	20.3	37	9.5	6.6	238	2.65	10.8	1.7	0.5	19.0	4.5	0.22	0.15	0.28	33	0.03	0.024
1509165	Soil	3.21	136.37	9.59	176.8	15	13.4	34.1	3017	3.53	1.8	4.8	0.7	49.6	9.3	0.53	0.11	0.86	20	0.12	0.097
1509166	Soil	2.29	4.17	2.89	39.4	9	24.2	23.7	808	5.58	1.7	0.7	<0.2	1.9	10.8	0.03	0.10	0.04	191	0.41	0.134
1509167	Soil	1.08	23.40	6.45	40.9	17	18.1	8.2	212	2.41	8.0	0.8	0.6	11.4	8.1	0.06	0.44	0.16	39	0.08	0.026
1509168	Soil	1.17	7.00	5.80	24.8	20	7.2	5.8	254	2.16	4.5	0.9	0.6	4.9	7.8	0.07	0.24	0.15	31	0.11	0.044
1509169	Soil	1.76	31.53	18.99	114.1	51	17.4	10.9	386	3.33	26.1	1.0	3.1	6.1	9.6	0.29	0.59	0.44	50	0.07	0.031
1509170	Soil	1.55	16.66	13.81	82.0	89	17.5	11.5	575	3.02	14.9	0.8	1.3	7.5	9.5	0.24	0.57	0.43	55	0.07	0.030
1509171	Soil	2.28	29.98	57.71	79.7	151	8.1	3.7	114	1.96	8.8	1.5	0.4	16.2	8.4	0.12	0.28	1.11	18	0.02	0.020
1509172	Soil	1.87	24.47	15.76	51.9	95	22.4	10.7	284	3.10	11.7	1.4	1.5	6.2	9.6	0.10	0.62	0.31	51	0.08	0.027
1509173	Soil	1.78	41.80	4.79	14.9	17	3.8	3.5	205	1.71	2.3	1.3	<0.2	7.6	2.9	0.04	0.21	0.20	15	0.03	0.021
1509174	Soil	0.90	39.03	5.33	45.9	13	16.3	11.3	369	3.67	19.2	2.3	1.9	23.6	7.2	0.04	0.30	0.30	44	0.06	0.019
1509175	Soil	1.34	61.55	2.24	78.7	5	16.3	17.4	307	3.74	1.7	0.3	0.3	2.2	12.9	0.04	0.11	0.05	124	0.53	0.179
1509176	Soil	0.86	5.65	2.74	31.1	2	19.5	9.1	642	2.38	0.9	0.7	0.3	5.8	12.6	<0.01	0.07	0.21	39	0.24	0.053
1509177	Soil	1.07	35.99	10.63	67.3	22	23.3	19.9	2076	8.25	1.9	1.3	3.9	6.9	13.3	0.02	0.34	0.28	56	0.28	0.047
1509178	Soil	0.54	4.91	5.06	10.8	15	4.8	2.7	119	1.33	3.7	0.6	<0.2	8.8	3.6	0.02	0.16	0.10	20	0.03	0.015
1509179	Soil	0.22	39.78	9.01	58.6	64	32.8	13.2	317	3.19	2.1	1.9	0.6	16.6	20.5	0.03	0.16	0.24	34	0.43	0.081
1509180	Soil	0.30	36.43	8.91	57.6	70	33.1	12.9	349	3.07	3.6	2.0	1.4	15.6	19.6	0.03	0.17	0.25	37	0.41	0.082



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					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
					0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1509151	Soil	78.4	14.8	0.24	35.3	<0.001	<1	0.44	0.003	0.06	<0.1	3.1	0.08	<0.02	<5	<0.1	0.04	1.0			
1509152	Soil	50.4	28.1	0.20	304.7	<0.001	<1	0.86	0.006	0.11	<0.1	9.3	0.09	<0.02	17	0.7	<0.02	1.7			
1509153	Soil	51.9	16.3	0.19	183.5	0.002	<1	0.76	0.004	0.06	<0.1	4.1	0.07	<0.02	35	0.2	0.04	1.8			
1509154	Soil	53.3	44.4	0.43	275.4	0.005	<1	1.39	0.008	0.12	<0.1	8.7	0.09	<0.02	29	0.8	0.03	3.6			
1509155	Soil	52.8	39.3	0.38	265.5	0.004	<1	1.31	0.007	0.11	<0.1	8.4	0.09	<0.02	28	0.7	0.03	3.2			
1509156	Soil	2.9	4.5	11.95	30.4	0.002	<1	0.14	0.001	0.02	<0.1	0.9	0.02	<0.02	<5	0.4	<0.02	0.3			
1509157	Soil	29.0	25.8	1.35	262.4	0.011	<1	1.47	0.010	0.09	0.1	6.1	0.12	<0.02	38	0.2	0.06	3.9			
1509158	Soil	62.3	42.1	0.55	159.6	0.006	<1	1.14	0.003	0.15	<0.1	11.2	0.12	<0.02	28	<0.1	<0.02	3.2			
1509159	Soil	35.8	86.0	0.72	112.5	0.003	<1	0.88	0.008	0.09	<0.1	10.3	0.12	<0.02	23	0.3	0.03	3.1			
1509160	Soil	5.9	72.3	1.58	231.4	0.144	1	2.65	0.007	0.54	0.1	3.7	0.25	<0.02	5	0.3	0.03	6.6			
1509161	Soil	4.5	129.2	1.51	206.1	0.099	<1	2.26	0.006	0.26	0.2	5.5	0.15	<0.02	13	0.1	0.02	6.8			
1509162	Soil	7.5	80.2	1.36	170.0	0.044	<1	2.29	0.006	0.15	<0.1	8.1	0.10	<0.02	18	0.2	<0.02	7.7			
1509163	Soil	36.9	21.8	0.46	144.2	0.015	<1	1.69	0.004	0.15	<0.1	4.5	0.10	<0.02	15	0.2	<0.02	3.8			
1509164	Soil	29.6	19.0	0.55	151.8	0.034	<1	1.36	0.004	0.19	<0.1	3.8	0.07	<0.02	10	<0.1	<0.02	5.1			
1509165	Soil	119.0	17.3	1.02	253.3	0.067	<1	2.03	0.006	0.41	<0.1	4.2	0.16	0.04	9	0.7	0.04	5.5			
1509166	Soil	8.5	67.1	1.69	438.6	0.166	<1	2.89	0.023	0.69	<0.1	13.6	0.17	<0.02	7	0.4	<0.02	11.2			
1509167	Soil	14.6	27.1	0.53	147.7	0.050	1	1.58	0.006	0.12	0.1	3.8	0.09	<0.02	19	0.3	<0.02	4.7			
1509168	Soil	20.7	13.8	0.37	143.3	0.060	<1	0.98	0.004	0.18	<0.1	2.5	0.09	<0.02	13	0.2	0.02	4.4			
1509169	Soil	17.8	32.1	0.46	133.3	0.032	2	1.92	0.006	0.08	0.2	3.0	0.13	<0.02	24	0.6	0.03	5.2			
1509170	Soil	17.4	31.3	0.47	151.4	0.044	<1	1.98	0.006	0.07	0.1	3.3	0.15	<0.02	36	0.4	<0.02	5.8			
1509171	Soil	31.2	10.4	0.13	133.5	0.008	<1	1.03	0.004	0.11	0.1	1.1	0.11	0.05	15	0.4	<0.02	2.3			
1509172	Soil	17.8	33.1	0.45	202.4	0.037	1	2.24	0.007	0.06	0.2	4.7	0.13	<0.02	51	0.5	0.03	4.9			
1509173	Soil	12.1	6.5	0.09	55.9	0.011	<1	0.71	0.003	0.08	<0.1	1.0	0.05	<0.02	<5	<0.1	<0.02	2.5			
1509174	Soil	81.2	25.5	0.62	218.5	0.082	<1	1.58	0.004	0.38	<0.1	8.9	0.15	<0.02	21	0.2	<0.02	5.1			
1509175	Soil	6.9	28.1	1.20	203.9	0.092	<1	2.28	0.028	0.35	<0.1	6.7	0.19	<0.02	<5	0.2	0.03	7.6			
1509176	Soil	17.3	39.4	1.04	396.6	0.083	<1	1.43	0.006	0.46	<0.1	6.0	0.16	<0.02	7	0.3	<0.02	4.7			
1509177	Soil	18.0	42.2	0.86	376.8	0.021	<1	2.59	0.013	0.06	<0.1	8.9	0.16	<0.02	96	0.5	<0.02	8.9			
1509178	Soil	14.9	8.9	0.12	67.9	0.016	<1	0.85	0.003	0.07	<0.1	1.1	0.05	<0.02	8	0.1	<0.02	3.1			
1509179	Soil	98.9	35.8	0.66	186.7	0.009	<1	1.68	0.004	0.09	<0.1	4.9	0.12	<0.02	28	0.2	<0.02	5.7			
1509180	Soil	103.5	35.6	0.64	186.2	0.012	<1	1.61	0.004	0.08	<0.1	5.3	0.12	<0.02	22	<0.1	<0.02	5.2			



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	Method Analyte Unit MDL	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	%	%
		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
1509181	Soil	0.08	13.94	10.19	38.9	18	31.8	13.3	588	2.22	0.8	0.5	<0.2	5.6	25.0	0.03	0.03	0.08	17	0.53	0.114
1509182	Soil	0.10	27.33	8.86	70.5	9	80.8	22.4	281	2.70	0.6	2.6	<0.2	24.4	21.7	0.08	<0.02	0.48	52	0.42	0.164
1509183	Soil	0.12	8.00	4.40	24.5	11	19.9	6.8	147	1.16	1.5	1.3	<0.2	11.9	13.0	0.12	0.06	0.14	13	0.18	0.078
1509184	Soil	0.79	15.90	11.39	44.6	48	19.3	8.2	218	2.78	4.8	0.9	2.2	8.9	6.7	0.07	0.32	0.27	43	0.07	0.027
1509185	Soil	1.09	17.35	10.60	57.2	22	20.4	9.0	200	2.94	11.6	0.6	3.1	4.0	8.0	0.14	0.63	0.23	52	0.08	0.043
1509186	Soil	0.43	18.77	4.52	47.3	5	25.7	9.4	119	2.36	2.6	1.0	0.6	10.1	5.0	0.01	0.11	0.21	25	0.06	0.032
1509187	Soil	0.53	22.03	8.11	46.3	11	38.7	10.9	311	3.19	4.3	1.1	0.3	5.7	7.3	0.04	0.16	0.26	63	0.08	0.072
1509188	Soil	0.33	28.96	3.79	71.6	8	22.0	16.6	552	3.99	1.1	1.3	<0.2	5.6	29.8	0.05	0.06	0.19	84	0.63	0.239
1509189	Soil	3.40	115.70	26.30	148.7	818	32.7	7.2	231	3.31	7.4	2.2	0.3	4.3	20.2	0.67	0.40	0.41	112	0.13	0.117
1509190	Soil	1.36	15.65	10.98	52.8	75	19.3	10.8	331	3.17	10.9	0.6	1.4	4.2	9.6	0.10	0.59	0.23	69	0.10	0.041
1509191	Soil	1.56	15.98	10.34	55.9	50	19.7	7.6	293	2.66	8.9	1.4	2.8	8.0	8.8	0.05	0.49	0.21	51	0.08	0.040
1509192	Soil	2.27	4.96	42.01	13.4	30	3.5	1.5	58	1.02	3.7	1.5	0.7	20.1	4.6	0.04	0.17	0.56	20	0.01	0.021
1509193	Soil	1.47	18.04	13.66	91.0	125	21.2	11.8	265	3.46	10.2	0.7	1.4	4.7	7.7	0.29	0.61	0.33	71	0.07	0.029
1509194	Soil	1.64	26.84	11.70	87.4	22	26.8	11.6	196	3.12	8.9	1.2	2.4	5.9	5.4	0.10	0.48	0.34	41	0.06	0.033
1509195	Soil	1.30	24.14	6.85	100.2	33	25.4	12.2	205	4.33	4.0	1.3	1.2	12.4	4.1	0.04	0.24	0.33	36	0.02	0.029
1509196	Soil	1.67	38.21	15.87	91.7	91	39.6	15.3	320	4.30	7.2	1.1	0.4	6.4	6.7	0.10	0.40	1.15	57	0.05	0.044
1509197	Soil	1.57	14.30	6.64	36.8	31	17.2	6.8	136	2.58	3.6	0.9	0.6	4.6	4.8	0.04	0.21	0.29	40	0.03	0.024
1509198	Soil	1.38	33.91	12.76	71.7	143	35.4	9.4	239	2.97	16.5	0.4	3.9	3.8	10.2	0.13	0.87	0.23	56	0.09	0.029
1509199	Soil	1.08	50.57	5.06	44.4	207	22.6	7.6	709	2.05	3.8	0.4	52.8	3.1	9.1	0.05	1.10	0.11	25	0.11	0.027
1509200	Soil	1.63	42.06	8.17	60.9	160	28.4	8.4	672	2.64	6.4	0.6	0.9	4.9	14.8	0.07	0.44	0.25	41	0.25	0.044
1509201	Soil	0.31	18.02	3.17	32.7	8	21.8	14.2	268	1.82	1.9	0.5	<0.2	6.5	15.7	0.04	0.07	0.03	21	0.20	0.053
1509202	Soil	0.43	60.78	54.54	182.7	29	54.9	20.8	929	3.09	2.4	0.7	0.3	7.5	20.2	0.67	0.10	0.09	17	0.21	0.049
1509203	Soil	0.09	15.96	11.33	46.9	36	29.1	9.3	108	1.87	1.3	0.3	<0.2	9.3	29.2	0.02	0.05	0.16	14	0.38	0.032
1509204	Soil	0.32	27.37	14.34	19.6	34	22.3	10.4	658	1.99	1.7	0.7	0.5	3.4	861.2	0.06	0.09	0.09	7	16.80	0.053
1509205	Soil	0.09	5.99	10.84	30.2	40	9.2	2.5	148	1.11	0.7	0.9	0.4	18.6	40.2	0.02	0.06	0.26	8	0.50	0.040
1509206	Soil	0.31	23.99	16.30	87.0	13	42.0	15.1	479	3.03	2.4	0.6	<0.2	3.7	49.5	0.09	0.07	0.05	12	0.37	0.057
1509207	Soil	0.54	38.30	13.74	68.2	15	51.5	20.0	297	2.92	2.2	0.4	<0.2	3.4	23.3	0.06	0.09	0.09	18	0.21	0.049
1509208	Soil	0.16	40.52	24.60	42.5	70	29.2	14.4	498	1.95	3.7	0.8	<0.2	16.5	132.4	0.06	0.11	0.41	7	3.14	0.060
1509209	Soil	0.17	18.68	16.75	35.7	52	28.2	12.1	542	2.53	4.9	0.6	0.2	9.2	584.3	0.06	0.09	0.15	12	10.28	0.054
1509210	Soil	0.24	31.05	16.95	108.6	78	40.9	18.8	382	2.87	1.4	0.5	<0.2	4.4	260.6	0.13	0.03	0.09	10	5.63	0.066



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	Method	Analyte	Unit	MDL	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
1509181	Soil				11.5	26.9	0.66	124.7	0.059	<1	1.10	0.002	0.29	<0.1	2.5	0.35	<0.02	7	0.1	0.03	2.6
1509182	Soil				113.3	183.1	1.70	132.4	0.092	<1	2.23	0.007	0.45	<0.1	8.1	0.67	<0.02	<5	0.1	0.04	6.9
1509183	Soil				31.8	14.3	0.27	38.8	0.020	<1	0.76	0.004	0.09	<0.1	2.0	0.12	<0.02	9	<0.1	<0.02	2.3
1509184	Soil				20.6	23.9	0.49	108.6	0.026	<1	1.68	0.004	0.07	<0.1	3.0	0.14	<0.02	12	0.2	0.03	5.6
1509185	Soil				12.2	27.8	0.45	99.7	0.039	1	1.86	0.006	0.06	0.2	3.0	0.11	<0.02	21	0.1	0.04	4.9
1509186	Soil				12.3	22.1	0.55	67.1	0.060	<1	1.49	0.003	0.27	<0.1	2.9	0.32	<0.02	5	0.1	0.04	4.1
1509187	Soil				15.6	67.6	1.03	52.1	0.087	<1	1.85	0.004	0.14	<0.1	5.8	0.18	<0.02	10	0.2	0.04	8.1
1509188	Soil				18.2	35.7	0.98	126.1	0.109	<1	2.16	0.014	0.71	<0.1	6.1	0.47	<0.02	9	0.1	0.02	6.7
1509189	Soil				17.9	34.2	0.53	175.5	0.035	<1	1.59	0.009	0.08	<0.1	4.3	0.15	0.11	24	1.2	0.07	6.0
1509190	Soil				14.3	38.3	0.53	166.6	0.051	1	2.11	0.008	0.07	0.1	3.7	0.15	<0.02	32	0.2	0.04	6.9
1509191	Soil				24.6	32.2	0.47	160.5	0.044	2	2.06	0.007	0.06	0.2	4.1	0.20	<0.02	33	0.2	0.03	5.4
1509192	Soil				41.2	8.1	0.05	53.3	0.006	<1	0.85	0.002	0.05	0.1	0.7	0.11	<0.02	6	<0.1	<0.02	2.4
1509193	Soil				18.7	36.4	0.48	180.9	0.031	<1	2.34	0.005	0.03	0.2	3.7	0.15	<0.02	24	0.3	0.05	7.5
1509194	Soil				13.5	29.1	0.51	131.3	0.024	1	1.85	0.004	0.05	0.1	3.8	0.12	<0.02	19	0.2	0.04	5.0
1509195	Soil				38.4	29.3	0.68	87.3	0.008	<1	2.35	0.003	0.02	<0.1	2.5	0.10	<0.02	15	<0.1	0.03	8.3
1509196	Soil				23.5	49.7	0.68	134.5	0.020	<1	2.50	0.004	0.04	0.1	4.0	0.13	<0.02	30	0.1	0.04	8.0
1509197	Soil				22.6	19.2	0.42	82.9	0.011	<1	1.64	0.004	0.03	<0.1	2.0	0.10	<0.02	18	<0.1	0.04	6.9
1509198	Soil				11.0	34.8	0.47	526.5	0.042	1	2.13	0.005	0.07	0.2	3.3	0.11	<0.02	18	0.2	0.04	5.5
1509199	Soil				10.7	16.6	0.14	447.8	0.005	1	0.72	0.002	0.06	<0.1	2.0	0.08	<0.02	16	0.2	0.04	2.4
1509200	Soil				22.1	19.7	0.32	457.3	0.015	<1	0.99	0.004	0.09	<0.1	1.9	0.08	<0.02	9	<0.1	0.08	4.0
1509201	Soil				16.1	31.1	0.64	129.7	0.092	<1	1.08	0.003	0.48	0.1	1.4	0.21	<0.02	<5	<0.1	<0.02	3.0
1509202	Soil				24.5	22.0	0.41	85.9	0.040	<1	1.17	0.002	0.12	<0.1	5.2	0.22	<0.02	6	0.1	0.03	3.1
1509203	Soil				27.2	18.6	0.44	64.4	0.036	<1	1.04	0.003	0.18	<0.1	3.3	0.21	<0.02	6	<0.1	0.03	3.5
1509204	Soil				16.6	6.7	0.29	73.3	0.015	<1	0.43	0.004	0.05	<0.1	2.4	0.09	<0.02	5	0.5	0.07	1.1
1509205	Soil				50.4	11.8	0.23	42.0	0.017	<1	0.70	0.002	0.13	<0.1	3.7	0.15	<0.02	12	<0.1	<0.02	2.7
1509206	Soil				6.7	16.7	0.48	58.9	0.063	<1	0.99	0.002	0.20	<0.1	1.9	0.23	<0.02	<5	<0.1	0.03	2.4
1509207	Soil				6.4	23.1	0.49	52.4	0.059	<1	1.17	0.004	0.22	<0.1	2.0	0.24	<0.02	6	<0.1	0.07	3.0
1509208	Soil				78.4	9.5	0.25	48.3	0.014	<1	0.73	0.002	0.10	<0.1	5.2	0.21	<0.02	11	0.1	0.04	1.7
1509209	Soil				26.8	12.9	0.41	57.4	0.014	<1	0.89	0.004	0.10	<0.1	2.4	0.14	<0.02	6	0.3	0.03	2.8
1509210	Soil				17.3	13.7	0.46	40.2	0.057	<1	0.91	0.003	0.22	<0.1	2.3	0.28	<0.02	8	0.2	0.04	2.4



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1509211	Soil	0.43	22.74	9.42	70.5	59	44.7	19.3	484	3.05	4.6	0.5	<0.2	2.7	496.8	0.05	0.05	0.07	21	7.92	0.119
1509212	Soil	0.20	21.73	10.41	24.8	37	30.6	14.8	441	2.16	1.2	0.7	<0.2	4.4	796.5	0.02	0.05	0.10	8	10.40	0.057
1509213	Soil	0.23	24.67	13.64	40.1	51	32.2	16.9	464	2.66	1.6	0.7	<0.2	6.1	764.3	0.04	0.08	0.17	9	9.98	0.056
1509214	Soil	0.25	35.07	16.36	42.3	54	38.5	21.3	936	2.89	1.2	0.5	0.2	4.0	434.8	0.05	0.08	0.08	9	5.12	0.059
1509215	Soil	0.19	28.30	5.56	41.2	10	35.5	14.8	416	2.38	1.6	0.4	<0.2	2.7	27.2	0.02	0.05	0.04	11	0.22	0.038
1509216	Soil	0.50	31.67	19.64	23.8	67	35.4	17.3	889	2.65	2.3	0.8	0.8	6.4	848.2	0.06	0.20	0.25	10	11.51	0.070
1509217	Soil	0.28	36.59	13.45	40.9	89	46.4	22.4	849	2.90	0.8	0.6	<0.2	2.8	349.5	0.09	0.05	0.07	9	4.24	0.068
1509218	Soil	0.11	33.13	39.23	159.4	121	43.6	16.2	424	2.64	1.7	0.6	1.0	8.8	152.5	0.17	0.07	0.14	11	4.10	0.055
1509219	Soil	0.27	23.76	19.17	45.0	48	30.4	14.0	536	2.51	0.9	0.4	<0.2	3.6	1041.2	0.05	0.04	0.05	6	10.47	0.065
1509220	Soil	0.26	22.16	16.21	45.0	38	27.5	13.1	510	2.69	0.8	0.4	<0.2	4.1	983.5	0.04	0.04	0.06	7	10.18	0.063
1509221	Soil	0.21	24.56	5.76	53.5	42	32.5	15.1	393	2.42	0.6	0.3	<0.2	2.7	302.6	0.03	0.03	0.02	10	5.40	0.061
1509222	Soil	0.16	26.93	8.76	56.6	9	37.7	15.0	314	2.44	0.9	0.4	<0.2	2.7	37.7	0.03	0.05	0.02	13	0.27	0.060
1509223	Soil	0.87	18.70	7.90	65.6	8	33.2	16.6	286	3.27	4.3	0.3	<0.2	2.6	19.5	0.05	0.15	0.07	36	0.14	0.043
1509224	Soil	1.12	27.88	23.63	53.4	36	44.2	18.5	213	3.47	8.8	0.6	0.4	3.8	15.0	0.07	0.39	0.17	43	0.14	0.040
1509225	Soil	0.73	51.29	26.20	46.9	28	64.9	25.6	457	3.86	5.4	1.0	2.9	6.4	14.0	0.09	0.29	0.22	31	0.15	0.066
1509226	Soil	0.45	40.90	4.37	104.6	9	58.8	18.9	217	3.52	2.5	0.9	0.7	7.1	25.4	0.05	0.07	0.08	35	0.37	0.077
1509227	Soil	0.11	17.50	19.23	32.3	73	21.5	9.0	186	1.87	2.4	0.4	0.9	10.2	443.6	0.03	0.09	0.36	11	5.63	0.054
1509228	Soil	0.14	24.48	29.09	33.0	77	32.3	13.7	505	2.60	3.1	0.7	1.1	14.2	203.7	0.06	0.13	0.42	13	7.06	0.059
1509229	Soil	0.22	52.58	12.25	87.7	38	48.7	30.8	520	3.87	1.5	0.8	0.7	7.5	21.2	0.13	0.05	0.05	22	0.26	0.065
1509230	Soil	0.38	61.50	31.91	64.3	26	63.3	20.8	432	3.64	2.2	1.5	<0.2	28.5	14.0	0.08	0.12	0.59	10	0.18	0.060
1509231	Soil	0.24	30.73	13.83	48.6	16	33.8	14.7	231	2.95	11.4	1.3	0.8	14.5	15.8	0.03	0.16	0.31	33	0.20	0.058
1509232	Soil	0.28	26.79	1.60	24.4	5	34.4	14.0	197	1.99	1.3	0.3	0.7	1.4	11.6	0.02	0.06	0.03	48	0.38	0.105
1509233	Soil	0.10	65.13	2.58	33.8	8	61.3	29.7	531	4.02	0.9	0.3	<0.2	2.4	17.9	0.03	0.03	0.02	110	0.50	0.169
1509234	Soil	0.32	39.13	5.79	70.6	14	30.9	33.0	690	6.73	4.3	0.8	1.5	3.0	25.0	0.08	0.20	0.18	184	0.61	0.219
1509235	Soil	0.94	19.20	11.61	55.8	24	31.0	11.7	224	3.13	10.3	0.9	2.2	10.0	9.7	0.05	0.61	0.20	42	0.08	0.027
1509236	Soil	0.81	27.37	8.75	104.7	15	133.3	28.2	363	5.34	3.7	1.3	0.6	12.6	18.3	0.05	0.13	0.20	106	0.31	0.126
1509237	Soil	0.40	41.84	9.36	51.7	5	41.4	18.1	195	3.27	1.4	1.1	0.4	17.3	11.2	0.04	0.10	0.20	32	0.18	0.089
1509238	Soil	1.11	14.91	10.39	102.5	75	22.9	12.5	340	3.12	7.3	0.6	2.2	4.5	10.9	0.11	0.34	0.20	58	0.11	0.058
1509239	Soil	1.10	20.16	9.48	70.5	40	27.6	12.5	250	3.20	8.4	0.8	0.6	5.6	9.0	0.09	0.46	0.19	57	0.07	0.042
1509240	Soil	0.72	11.83	9.47	47.6	37	17.2	7.2	223	2.56	5.3	0.6	0.3	2.4	8.5	0.08	0.24	0.22	58	0.09	0.069



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	Method	Analyte	Unit	MDL	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
1509211	Soil	10.2	33.8	0.68	53.6	0.079	<1	1.17	0.005	0.35	<0.1	3.4	0.35	<0.02	10	0.2	0.06	3.3			
1509212	Soil	18.3	8.4	0.36	30.9	0.021	<1	0.62	0.003	0.10	<0.1	2.4	0.15	<0.02	8	0.5	0.06	1.8			
1509213	Soil	21.3	11.3	0.42	37.1	0.028	<1	0.80	0.003	0.11	<0.1	2.6	0.19	<0.02	8	0.2	0.05	2.4			
1509214	Soil	10.8	11.6	0.42	53.7	0.050	<1	0.78	0.003	0.19	<0.1	2.8	0.22	<0.02	15	0.1	0.06	2.1			
1509215	Soil	6.7	15.0	0.43	62.8	0.058	<1	1.07	0.003	0.26	<0.1	1.9	0.28	<0.02	<5	<0.1	0.05	2.2			
1509216	Soil	27.4	11.0	0.35	73.8	0.012	<1	0.72	0.004	0.07	<0.1	3.7	0.11	<0.02	20	0.3	0.03	2.2			
1509217	Soil	12.3	12.2	0.44	53.1	0.055	<1	0.79	0.003	0.22	<0.1	3.3	0.36	<0.02	12	0.2	0.08	2.0			
1509218	Soil	26.8	16.5	0.43	51.1	0.037	<1	0.97	0.003	0.15	<0.1	3.8	0.31	<0.02	28	<0.1	0.04	2.9			
1509219	Soil	11.2	8.9	0.40	45.2	0.040	<1	0.66	0.003	0.17	<0.1	1.8	0.25	<0.02	<5	0.4	0.02	1.6			
1509220	Soil	11.3	9.8	0.43	44.4	0.044	<1	0.74	0.003	0.21	<0.1	1.6	0.25	<0.02	5	0.3	0.02	2.1			
1509221	Soil	8.3	14.4	0.57	54.2	0.075	<1	0.98	0.004	0.36	<0.1	1.7	0.31	<0.02	10	0.2	<0.02	2.4			
1509222	Soil	7.6	19.4	0.53	61.2	0.073	<1	0.99	0.006	0.33	<0.1	4.0	0.37	<0.02	<5	<0.1	0.02	2.6			
1509223	Soil	5.6	32.7	0.58	83.4	0.108	<1	1.61	0.005	0.27	<0.1	2.2	0.25	<0.02	6	<0.1	0.03	5.3			
1509224	Soil	10.8	28.2	0.41	143.4	0.041	1	2.03	0.006	0.06	0.1	3.5	0.17	<0.02	22	0.3	0.04	5.1			
1509225	Soil	17.9	22.3	0.32	83.6	0.029	1	1.23	0.005	0.03	0.1	3.2	0.09	<0.02	18	0.3	0.04	3.5			
1509226	Soil	26.4	45.6	0.73	161.0	0.101	<1	1.80	0.007	0.51	<0.1	3.6	0.32	<0.02	15	0.1	0.02	5.6			
1509227	Soil	31.8	14.5	0.30	56.3	0.019	<1	0.80	0.003	0.05	<0.1	3.8	0.16	<0.02	25	0.2	0.05	3.1			
1509228	Soil	52.3	13.8	0.29	68.1	0.022	<1	0.80	0.003	0.10	<0.1	4.2	0.16	<0.02	20	0.1	0.03	2.7			
1509229	Soil	18.8	27.7	0.69	92.5	0.098	2	1.52	0.005	0.59	<0.1	4.7	0.31	<0.02	10	0.2	0.02	4.5			
1509230	Soil	97.8	14.4	0.25	159.3	0.004	1	1.29	0.003	0.04	<0.1	6.3	0.06	<0.02	15	0.3	0.05	2.9			
1509231	Soil	47.9	44.2	0.85	84.5	0.077	1	1.56	0.003	0.31	<0.1	5.1	0.29	<0.02	10	0.2	0.03	4.8			
1509232	Soil	3.2	70.0	1.02	165.4	0.109	1	1.39	0.017	0.25	<0.1	3.3	0.11	<0.02	<5	0.1	<0.02	4.0			
1509233	Soil	4.9	139.3	2.62	219.6	0.141	<1	2.78	0.008	0.53	<0.1	11.6	0.24	<0.02	<5	<0.1	<0.02	8.5			
1509234	Soil	28.1	71.4	2.51	226.4	0.031	1	3.78	0.005	0.06	<0.1	18.2	0.09	<0.02	19	0.3	<0.02	13.7			
1509235	Soil	25.2	30.8	0.55	131.0	0.033	2	2.08	0.005	0.05	0.1	3.0	0.12	<0.02	21	0.3	<0.02	4.9			
1509236	Soil	29.0	318.8	1.82	179.6	0.031	1	3.10	0.004	0.22	<0.1	13.4	0.30	<0.02	8	0.2	0.03	10.1			
1509237	Soil	14.0	29.5	0.64	114.6	0.061	1	1.90	0.003	0.43	<0.1	5.3	0.29	<0.02	10	0.3	0.03	6.1			
1509238	Soil	15.5	36.9	0.50	118.1	0.055	2	1.94	0.006	0.09	0.1	3.1	0.15	<0.02	14	0.2	0.04	6.5			
1509239	Soil	11.6	41.0	0.57	117.0	0.077	2	1.98	0.006	0.14	0.1	3.7	0.19	<0.02	11	0.3	0.03	6.2			
1509240	Soil	14.7	21.9	0.33	67.2	0.054	<1	1.22	0.004	0.05	0.1	1.9	0.12	<0.02	14	0.2	<0.02	7.1			



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	Method Analyte Unit MDL	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
		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
1509241	Soil	0.66	36.85	7.70	54.6	30	38.3	12.6	158	3.16	4.9	0.7	0.9	10.7	8.0	0.05	0.24	0.20	48	0.12
1509242	Soil	1.02	21.99	11.03	61.6	41	33.1	12.5	225	3.05	11.7	0.9	1.6	6.2	9.6	0.08	0.64	0.20	52	0.08
1509243	Soil	1.08	25.93	10.08	48.5	66	28.0	11.0	247	3.43	8.2	1.2	0.7	3.7	8.1	0.10	0.43	0.22	52	0.08
1509244	Soil	0.63	52.77	10.38	52.7	13	47.0	16.9	346	3.54	4.2	0.9	<0.2	13.0	7.9	0.06	0.34	0.31	38	0.08
1509245	Soil	1.04	26.78	8.69	46.2	36	25.8	12.3	155	2.95	6.7	0.7	1.5	4.6	10.5	0.07	0.42	0.16	60	0.16
1509246	Soil	0.66	23.97	7.45	95.1	126	92.8	17.0	371	4.35	4.9	0.6	<0.2	2.8	28.6	0.11	0.23	0.10	77	0.47
1509247	Soil	1.63	61.49	9.59	70.6	32	53.9	18.9	178	4.26	3.3	1.3	<0.2	11.9	14.0	0.03	0.16	0.23	94	0.24
1509248	Soil	0.19	32.67	20.67	45.8	90	35.6	14.6	857	3.31	1.1	0.9	0.5	23.0	110.3	0.02	0.12	0.60	14	1.31
1509249	Soil	0.52	29.16	28.09	60.4	56	38.0	15.2	394	3.60	5.5	1.6	0.8	11.9	37.9	0.06	0.21	0.28	42	0.43
1509250	Soil	0.26	20.89	15.33	41.4	49	30.7	12.2	526	2.80	2.4	0.8	<0.2	7.3	667.4	0.06	0.11	0.17	19	8.80
1509251	Soil	0.17	32.63	6.59	58.1	36	41.9	20.1	438	2.78	5.0	0.3	0.6	2.5	27.8	0.03	0.09	0.04	21	0.99
1509252	Soil	0.15	20.89	22.24	73.3	47	37.2	14.7	583	3.42	5.4	1.1	0.3	18.5	40.5	0.08	0.13	0.43	16	0.60
1509253	Soil	0.19	13.37	77.73	568.7	50	34.9	17.0	619	3.06	5.6	0.7	1.0	6.9	88.4	0.64	0.15	0.19	14	2.19
1509254	Soil	0.20	48.03	5.88	76.7	8	54.4	24.7	316	3.18	15.1	0.6	<0.2	2.2	23.9	0.04	0.05	<0.02	22	0.24
1509255	Soil	0.32	36.99	30.64	36.4	21	43.1	18.6	973	2.93	1.3	1.1	<0.2	21.2	22.6	0.08	0.08	0.36	9	0.26
1509256	Soil	0.11	60.01	37.87	119.1	20	57.8	26.3	720	3.20	23.8	0.6	1.0	22.4	15.8	0.08	0.09	0.55	10	0.22
1509257	Soil	0.16	19.59	21.73	40.2	71	29.8	12.7	429	2.26	0.9	0.5	<0.2	3.0	693.0	0.05	0.04	0.03	6	9.49
1509258	Soil	0.49	29.06	28.58	50.7	94	53.1	23.9	1219	4.29	1.8	1.5	<0.2	14.5	301.0	0.20	0.06	0.16	39	7.61
1509259	Soil	0.24	24.37	23.89	70.4	78	46.5	16.8	545	3.02	2.1	0.8	<0.2	8.4	282.9	0.08	0.06	0.09	27	3.83
1509260	Soil	0.20	37.44	15.82	89.8	84	43.6	27.6	700	4.97	4.0	0.6	2.6	10.3	121.8	0.08	0.16	0.23	94	2.20
1509261	Soil	0.07	34.80	22.74	44.0	50	42.7	21.7	694	3.07	1.0	0.8	0.9	15.8	362.4	0.06	0.06	0.32	28	5.55
1509262	Soil	0.01	23.69	20.21	67.7	97	33.2	18.9	467	2.68	2.7	0.7	2.1	16.3	140.0	0.04	0.09	0.33	12	2.69
1509263	Soil	0.26	35.28	1910.14	1595.8	404	35.2	14.7	502	3.15	2.8	0.8	0.9	7.5	838.0	3.94	0.30	0.23	15	10.10
1509264	Soil	0.10	22.13	24.49	37.7	63	27.1	14.5	345	2.48	1.4	0.8	<0.2	21.0	287.8	0.03	0.11	0.46	14	4.56
1509265	Soil	0.23	16.15	23.58	29.3	84	23.6	10.1	393	2.35	2.8	0.6	3.1	5.3	619.1	0.07	0.13	0.17	13	13.70
1509266	Soil	0.25	28.57	18.60	27.2	84	39.3	18.0	2072	2.82	5.6	0.9	2.4	7.7	140.0	0.05	0.09	0.22	10	5.46
1509267	Soil	0.10	22.74	24.30	112.5	65	30.1	17.6	880	2.27	1.7	0.5	1.3	11.2	320.9	0.09	0.06	0.21	9	6.54
1509268	Soil	0.18	26.12	21.22	54.5	110	26.0	10.9	349	2.37	6.9	0.5	1.8	7.3	652.6	0.03	0.25	0.25	25	7.35
1509269	Soil	0.10	13.25	14.12	71.7	10	35.6	17.4	290	2.78	0.3	1.3	1.1	21.5	37.1	0.04	0.03	0.37	15	0.37
1509270	Soil	0.16	19.94	12.31	36.3	67	28.2	13.3	783	2.39	1.1	0.4	1.4	3.3	245.8	0.09	0.07	<0.02	12	6.66



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		Method Analyte Unit MDL	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
1509241	Soil	12.6	40.0	0.61	70.4	0.052	<1	1.81	0.004	0.19	<0.1	4.1	0.25	<0.02	12	0.2	0.04	6.0	
1509242	Soil	16.8	38.4	0.49	169.8	0.048	2	2.06	0.006	0.06	0.1	3.6	0.12	<0.02	27	0.3	0.04	5.0	
1509243	Soil	16.8	28.6	0.38	99.0	0.030	1	1.97	0.005	0.08	0.1	3.0	0.13	<0.02	27	0.3	0.05	5.5	
1509244	Soil	30.9	41.1	0.63	107.0	0.025	1	2.20	0.004	0.12	<0.1	4.6	0.15	<0.02	12	0.3	0.04	5.4	
1509245	Soil	10.9	31.8	0.42	132.4	0.055	1	2.14	0.009	0.07	0.1	2.9	0.14	<0.02	14	0.2	0.03	5.5	
1509246	Soil	10.1	155.5	1.32	151.3	0.143	1	2.61	0.006	0.49	<0.1	6.0	0.52	<0.02	13	0.3	0.03	7.5	
1509247	Soil	22.4	50.9	0.67	68.2	0.034	1	2.50	0.004	0.22	<0.1	9.7	0.27	<0.02	6	0.3	0.02	7.8	
1509248	Soil	79.7	20.3	0.36	104.1	0.017	<1	1.23	0.002	0.14	<0.1	6.1	0.16	<0.02	9	0.3	0.03	5.3	
1509249	Soil	38.7	38.2	0.56	186.9	0.044	<1	1.87	0.007	0.05	0.1	7.2	0.12	<0.02	26	0.2	0.03	5.9	
1509250	Soil	35.1	22.3	0.49	80.7	0.026	1	1.13	0.003	0.11	<0.1	4.1	0.17	<0.02	16	0.1	0.06	4.0	
1509251	Soil	8.6	25.5	0.60	105.1	0.058	<1	1.35	0.005	0.26	<0.1	2.9	0.30	<0.02	14	<0.1	<0.02	3.7	
1509252	Soil	42.0	25.2	0.51	201.7	0.013	<1	1.65	0.004	0.13	<0.1	5.0	0.21	<0.02	7	0.1	0.02	5.8	
1509253	Soil	27.6	17.4	0.48	92.3	0.056	<1	1.26	0.003	0.22	<0.1	3.7	0.32	<0.02	15	<0.1	0.03	3.8	
1509254	Soil	9.5	31.1	0.69	95.2	0.097	<1	1.57	0.005	0.44	<0.1	3.3	0.43	<0.02	<5	<0.1	0.04	3.8	
1509255	Soil	63.2	14.2	0.26	75.9	0.013	<1	0.95	0.002	0.06	<0.1	6.5	0.13	<0.02	<5	0.2	0.05	3.0	
1509256	Soil	90.3	13.0	0.40	44.6	0.002	<1	1.11	0.003	0.02	<0.1	4.4	0.04	<0.02	12	0.2	0.04	2.9	
1509257	Soil	6.9	8.3	0.41	41.2	0.051	1	0.60	0.003	0.20	<0.1	1.8	0.25	<0.02	<5	0.2	0.05	1.7	
1509258	Soil	44.2	52.4	0.89	136.3	0.118	<1	1.58	0.004	0.41	<0.1	8.7	0.20	<0.02	<5	<0.1	0.04	5.9	
1509259	Soil	28.5	31.2	0.69	52.1	0.064	<1	1.34	0.004	0.32	<0.1	6.5	0.24	<0.02	<5	0.2	0.07	4.8	
1509260	Soil	30.5	28.4	0.78	220.3	0.031	1	2.35	0.007	0.12	<0.1	9.5	0.22	<0.02	56	<0.1	0.08	8.3	
1509261	Soil	53.1	13.9	0.40	90.0	0.004	<1	1.21	0.003	0.06	<0.1	4.9	0.06	<0.02	5	0.3	0.08	3.8	
1509262	Soil	55.4	19.1	0.42	86.3	0.018	<1	1.24	0.003	0.23	<0.1	4.7	0.20	<0.02	14	<0.1	<0.02	4.6	
1509263	Soil	65.3	14.2	0.37	45.4	0.021	1	0.98	0.004	0.05	<0.1	5.3	0.13	<0.02	22	<0.1	0.08	2.6	
1509264	Soil	52.1	18.1	0.27	85.6	0.004	<1	0.98	0.002	0.10	<0.1	4.9	0.13	<0.02	<5	<0.1	0.06	4.5	
1509265	Soil	29.3	13.2	0.30	83.5	0.010	<1	0.86	0.004	0.04	<0.1	4.5	0.11	<0.02	25	0.3	0.08	2.1	
1509266	Soil	37.5	12.2	0.34	114.8	0.044	<1	0.88	0.003	0.20	<0.1	3.9	0.26	<0.02	11	<0.1	<0.02	2.3	
1509267	Soil	29.4	11.7	0.31	60.6	0.024	<1	0.82	0.002	0.20	<0.1	2.2	0.17	<0.02	19	<0.1	0.04	2.6	
1509268	Soil	43.3	18.9	0.40	173.7	0.016	<1	1.16	0.008	0.06	<0.1	4.0	0.09	<0.02	30	0.5	0.05	3.9	
1509269	Soil	64.7	19.0	0.46	32.0	0.008	<1	1.51	0.004	0.14	<0.1	6.1	0.11	<0.02	20	<0.1	<0.02	4.9	
1509270	Soil	11.5	11.0	0.36	66.3	0.058	<1	0.85	0.004	0.23	<0.1	2.2	0.20	<0.02	32	<0.1	<0.02	2.1	



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	Method Analyte Unit MDL	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	%	%
		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
1509271	Soil	0.23	30.42	44.18	80.0	197	35.4	19.3	1013	3.34	2.2	0.7	2.6	14.8	177.3	0.14	0.08	0.41	13	4.24	0.135
1509272	Soil	0.18	35.28	5.85	50.0	97	43.5	26.2	1433	3.18	0.8	0.3	1.2	3.7	42.3	0.04	0.08	0.02	10	0.23	0.045
1509273	Soil	0.15	7.60	44.21	26.5	53	6.1	3.7	1343	2.53	4.7	0.2	2.4	0.8	1448.3	0.19	0.19	<0.02	8	29.03	0.019
1509274	Soil	0.14	29.47	6.18	119.1	32	40.6	20.3	357	4.04	1.0	0.6	1.2	4.9	121.8	0.05	0.04	0.06	16	1.17	0.045
1509275	Soil	0.06	26.77	13.27	34.1	55	28.6	19.3	784	2.37	1.3	0.4	2.0	16.6	236.2	0.06	0.05	0.32	13	3.89	0.059
1509276	Soil	0.16	28.39	2.56	34.3	14	31.3	19.9	327	2.06	0.8	0.3	1.4	4.1	26.4	0.01	0.03	<0.02	8	0.17	0.035
1509277	Soil	0.06	35.19	8.67	33.7	40	22.4	13.7	390	1.76	0.6	0.3	1.3	6.9	268.2	0.02	0.04	0.11	10	4.43	0.064
1509278	Soil	0.06	21.44	11.64	26.9	69	29.4	16.1	900	2.39	1.5	0.4	0.4	7.9	302.6	0.03	0.09	0.11	10	8.02	0.067
1509279	Soil	0.26	21.55	22.12	26.1	72	30.6	14.9	592	2.50	1.9	0.6	2.5	4.5	319.8	0.04	0.09	0.05	8	7.07	0.059
1509280	Soil	0.03	31.79	31.30	29.1	55	30.5	16.0	518	2.05	0.6	0.3	3.4	12.6	270.3	0.08	0.05	0.24	10	4.63	0.058
1509281	Soil	0.03	19.10	12.93	41.6	46	22.8	9.6	221	2.44	1.6	0.3	0.7	13.9	438.7	0.02	0.06	0.32	12	4.56	0.069
1509282	Soil	0.02	18.55	13.34	41.2	41	23.9	9.8	218	2.49	1.5	0.3	1.8	13.9	448.5	0.02	0.06	0.32	13	4.48	0.072
1509283	Soil	0.10	22.03	9.07	45.8	28	30.4	17.1	400	2.52	1.0	0.6	1.3	14.0	304.1	0.02	0.07	0.20	12	4.38	0.055
1509284	Soil	0.08	16.03	4.95	31.9	19	23.6	11.9	297	1.90	0.5	0.5	0.6	4.7	400.4	0.01	0.02	0.05	7	6.71	0.058
1509285	Soil	0.31	19.34	13.47	26.0	105	31.2	13.7	652	2.42	3.2	1.2	0.7	4.1	532.0	0.06	0.14	0.13	12	5.89	0.065
1509286	Soil	0.41	13.20	21.44	83.0	82	21.7	11.5	1177	4.11	5.0	0.6	3.0	2.8	831.0	0.16	0.19	0.06	45	15.09	0.079
1509287	Soil	0.29	31.85	35.87	60.4	75	41.4	19.2	618	3.40	2.9	0.7	0.7	7.1	161.0	0.12	0.09	0.14	16	2.05	0.057
1509288	Soil	1.51	39.03	14.22	111.5	97	22.4	8.5	690	1.89	5.9	1.3	2.6	12.6	11.3	0.34	0.57	0.20	27	0.16	0.063
1509289	Soil	1.47	41.44	9.11	97.4	69	39.0	16.1	270	3.86	6.0	0.9	2.0	7.6	5.3	0.12	0.40	0.36	50	0.05	0.029
1509290	Soil	0.54	47.07	7.43	61.7	26	31.8	26.7	864	5.34	0.8	1.2	<0.2	6.1	21.8	0.10	0.27	0.09	121	0.62	0.118
1509291	Soil	2.22	68.83	5.80	1496.7	103	272.2	123.2	3464	8.14	2.4	1.4	1.5	5.2	31.4	5.97	0.58	0.08	21	0.89	0.464
1509292	Soil	5.69	58.77	119.84	31.4	877	10.3	3.9	67	1.98	6.0	3.2	5.7	31.9	30.0	0.18	2.51	2.01	34	0.02	0.067
1509293	Soil	2.08	32.83	27.44	58.3	296	28.8	11.2	246	2.94	14.6	1.2	8.0	6.1	11.7	0.09	1.00	0.25	64	0.10	0.022
1509294	Soil	3.29	12.85	73.17	37.9	508	16.1	6.9	414	1.94	15.0	0.4	2.0	2.8	15.5	0.21	2.12	0.28	38	0.14	0.074
1509295	Soil	13.88	14.41	91.78	58.4	352	17.2	5.1	109	2.50	27.4	0.6	5.5	5.0	17.7	0.08	2.45	0.30	35	0.05	0.051
1509296	Soil	0.86	76.30	19.47	58.9	113	31.3	10.8	519	1.84	19.7	1.4	7.6	6.0	9.7	0.09	1.10	0.23	26	0.07	0.017
1509297	Soil	1.24	38.17	11.46	62.7	75	26.9	9.2	320	2.62	11.9	1.5	3.5	4.7	15.6	0.06	0.85	0.19	48	0.12	0.018
1509298	Soil	1.04	85.09	10.50	90.0	37	51.7	11.4	439	2.92	10.6	1.4	2.9	7.9	21.1	0.07	0.96	0.20	35	0.05	0.028
1509299	Soil	0.93	102.19	9.34	94.7	90	77.2	27.1	756	5.37	4.8	0.7	0.3	5.4	8.4	0.10	0.41	0.11	150	0.13	0.051
1509300	Soil	1.25	66.69	16.14	87.2	127	92.7	17.5	595	4.04	9.1	0.6	1.2	4.8	9.5	0.09	0.47	0.20	77	0.10	0.048



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	Method	Analyte	Unit	MDL	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
1509271	Soil				55.1	12.7	0.46	48.7	0.044	<1	1.02	0.003	0.27	<0.1	4.9	0.20	<0.02	<5	<0.1	0.08	3.7
1509272	Soil				11.5	14.0	0.62	80.0	0.081	<1	1.10	0.003	0.52	<0.1	1.9	0.38	<0.02	28	<0.1	0.05	2.6
1509273	Soil				4.6	4.4	0.21	52.7	0.010	<1	0.35	0.003	0.02	<0.1	7.7	0.04	0.04	11	<0.1	0.10	1.1
1509274	Soil				11.7	25.4	1.06	84.2	0.106	<1	1.83	0.004	0.71	<0.1	2.7	0.58	<0.02	11	<0.1	0.08	3.8
1509275	Soil				53.4	19.4	0.39	36.9	0.025	<1	1.09	0.003	0.21	<0.1	3.9	0.18	<0.02	10	<0.1	<0.02	4.0
1509276	Soil				8.6	11.2	0.36	55.2	0.048	<1	0.84	0.002	0.29	<0.1	1.9	0.20	<0.02	14	<0.1	<0.02	2.1
1509277	Soil				20.9	13.0	0.33	32.5	0.036	2	0.88	0.002	0.27	<0.1	2.8	0.21	<0.02	17	<0.1	0.08	3.0
1509278	Soil				23.7	11.1	0.24	68.7	0.015	2	0.78	0.002	0.13	<0.1	2.7	0.10	<0.02	23	<0.1	0.10	2.4
1509279	Soil				11.7	10.4	0.25	55.6	0.030	1	0.82	0.002	0.08	<0.1	3.0	0.12	<0.02	19	0.2	0.07	1.7
1509280	Soil				28.5	14.4	0.29	38.4	0.013	1	1.00	0.002	0.16	<0.1	3.0	0.17	<0.02	7	<0.1	0.03	3.6
1509281	Soil				40.9	17.1	0.29	63.6	0.004	<1	1.19	0.003	0.09	<0.1	5.2	0.17	<0.02	21	<0.1	<0.02	5.1
1509282	Soil				40.5	17.3	0.29	60.2	0.004	1	1.21	0.003	0.09	<0.1	4.6	0.17	<0.02	21	0.1	0.06	5.0
1509283	Soil				36.5	15.5	0.41	54.2	0.022	<1	1.08	0.003	0.24	<0.1	3.0	0.19	<0.02	<5	<0.1	<0.02	3.7
1509284	Soil				11.3	9.8	0.39	34.6	0.051	1	0.73	0.002	0.23	<0.1	1.3	0.21	<0.02	<5	<0.1	0.03	1.9
1509285	Soil				15.2	11.0	0.22	64.3	0.018	1	0.75	0.003	0.05	<0.1	3.6	0.10	<0.02	17	<0.1	0.10	1.8
1509286	Soil				13.4	20.3	1.44	100.0	0.063	1	1.92	0.005	0.44	<0.1	6.6	0.30	<0.02	18	<0.1	0.05	4.6
1509287	Soil				20.4	18.1	0.43	72.1	0.055	<1	1.21	0.003	0.22	<0.1	4.9	0.23	<0.02	10	<0.1	0.10	3.5
1509288	Soil				20.0	18.7	0.50	350.2	0.033	2	0.83	0.003	0.12	<0.1	3.7	0.14	0.03	<5	0.1	0.03	3.0
1509289	Soil				15.2	39.8	0.94	169.2	0.025	1	2.15	0.003	0.05	<0.1	4.5	0.10	<0.02	18	0.3	0.03	6.3
1509290	Soil				11.6	81.3	1.46	436.6	0.088	1	2.38	0.008	0.41	<0.1	21.0	0.26	<0.02	17	0.2	<0.02	8.5
1509291	Soil				23.1	2.0	0.06	344.3	0.006	<1	0.46	0.002	0.06	<0.1	3.9	0.16	<0.02	14	2.4	<0.02	1.0
1509292	Soil				78.5	18.8	0.09	268.3	0.007	<1	0.60	0.008	0.08	<0.1	3.2	0.67	0.12	52	7.1	0.16	2.3
1509293	Soil				16.1	39.5	0.51	329.7	0.052	1	2.49	0.007	0.05	0.2	4.9	0.16	<0.02	70	0.6	0.03	6.0
1509294	Soil				10.2	19.9	0.16	268.1	0.035	2	1.15	0.006	0.05	0.2	1.9	0.16	0.02	7	1.7	0.09	3.9
1509295	Soil				17.9	19.1	0.15	441.7	0.017	1	1.16	0.004	0.10	0.2	2.4	0.22	0.13	15	3.3	0.10	3.1
1509296	Soil				22.7	14.9	0.18	342.2	0.018	<1	0.84	0.003	0.06	<0.1	3.8	0.09	<0.02	36	0.7	0.22	2.2
1509297	Soil				17.9	30.3	0.42	572.7	0.050	1	1.56	0.008	0.05	0.2	6.3	0.08	<0.02	52	0.5	0.04	4.4
1509298	Soil				24.0	33.0	0.37	2092.2	0.017	<1	1.50	0.004	0.05	0.1	4.0	0.09	0.03	28	0.3	0.05	4.1
1509299	Soil				12.3	107.6	1.61	774.9	0.126	1	3.08	0.006	0.15	<0.1	16.2	0.18	<0.02	15	0.4	0.06	8.0
1509300	Soil				14.1	69.8	0.85	662.7	0.051	<1	2.16	0.005	0.06	0.1	8.5	0.14	<0.02	22	0.5	0.04	6.0



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	Method Analyte Unit MDL	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	%	%
		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
1509301	Soil	0.44	35.98	45.92	130.4	63	51.0	22.5	1073	4.95	2.2	1.7	0.3	11.9	38.0	0.17	0.07	0.09	39	0.47	0.103
1509302	Soil	0.16	34.75	32.24	49.2	159	38.5	17.7	1045	3.27	1.1	0.7	0.5	17.9	142.7	0.06	0.06	0.44	11	4.30	0.079
1509303	Soil	0.14	27.01	17.03	43.8	97	36.2	16.5	499	2.50	4.6	0.6	0.6	11.6	172.9	0.03	0.09	0.44	13	3.21	0.048
1509304	Soil	0.44	26.34	66.10	52.6	249	42.6	16.3	798	4.15	9.4	1.6	3.4	7.6	291.2	0.15	0.36	0.19	31	4.02	0.108
1509305	Soil	0.07	24.98	11.59	34.1	174	37.3	16.0	731	2.73	19.3	0.7	2.0	16.2	164.8	0.07	0.18	0.20	10	2.98	0.056
1509306	Soil	0.14	29.65	22.05	41.7	69	36.0	17.8	916	3.22	2.2	0.6	0.6	13.3	258.8	0.06	0.10	0.31	16	7.42	0.080
1509307	Soil	1.47	20.32	11.55	54.7	163	19.6	8.6	228	3.24	11.5	0.7	10.8	4.3	7.6	0.12	0.53	0.26	60	0.06	0.039
1509308	Soil	5.32	40.48	36.21	163.9	717	28.0	10.6	378	3.64	44.1	1.4	15.6	4.4	50.4	0.12	2.03	0.45	39	0.06	0.059
1509309	Soil	1.15	36.03	14.64	41.4	127	24.0	5.1	156	1.80	8.6	0.6	0.3	0.8	17.5	0.20	0.85	0.29	37	0.14	0.045
1509310	Soil	1.29	29.59	9.42	44.6	58	19.2	3.5	200	1.99	7.8	0.5	<0.2	0.9	10.3	0.08	1.24	0.23	36	0.06	0.029
1509311	Soil	1.40	19.73	10.85	121.7	374	24.8	10.7	479	2.89	10.6	0.5	3.6	3.0	10.0	0.20	0.71	0.22	63	0.09	0.039
1509312	Soil	1.67	34.89	14.00	96.9	52	39.3	15.5	437	3.32	15.9	0.7	1.8	3.7	12.7	0.30	0.92	0.26	64	0.09	0.033
1509313	Soil	1.26	62.81	12.11	86.5	107	38.1	8.2	158	2.94	11.5	0.7	4.4	3.8	13.4	0.14	1.06	0.24	41	0.05	0.025
1509314	Soil	1.22	46.59	9.76	81.6	58	29.3	11.9	470	3.22	11.3	0.5	4.5	3.4	7.6	0.12	0.63	0.22	58	0.06	0.037
1509315	Soil	2.01	107.23	10.98	55.4	366	36.2	20.4	1311	3.61	18.6	1.0	9.3	4.3	15.5	0.15	1.67	0.22	40	0.07	0.071
1509316	Soil	1.19	47.28	12.16	57.6	164	31.0	10.4	405	3.21	10.4	0.9	7.7	5.1	9.9	0.11	0.63	0.24	61	0.10	0.032
1509317	Soil	0.98	59.29	9.77	74.4	47	74.1	26.8	891	5.58	7.9	0.4	0.2	3.0	5.0	0.24	0.60	0.18	146	0.13	0.086
1509318	Soil	2.13	111.88	8.02	76.1	146	43.1	12.0	1107	3.57	10.6	1.1	2.1	5.7	9.6	0.08	0.79	0.26	37	0.04	0.031
1509319	Soil	2.74	61.37	7.98	51.1	183	35.3	10.7	490	3.30	8.3	0.9	1.8	5.4	9.5	0.07	0.63	0.22	43	0.06	0.031
1509320	Soil	0.61	87.90	9.38	90.3	73	62.4	27.0	738	5.57	4.2	0.3	0.2	1.4	9.3	0.12	0.34	0.12	176	0.09	0.044



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	Ti	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
1509301	Soil	32.1	40.5	0.70	128.8	0.124	<1	1.76	0.004	0.35	<0.1	8.1	0.22	<0.02	17	0.3	0.03	5.4
1509302	Soil	55.7	16.6	0.38	94.8	0.034	<1	0.80	0.003	0.18	<0.1	5.7	0.17	<0.02	21	0.2	0.04	3.1
1509303	Soil	39.9	20.5	0.46	66.2	0.043	<1	1.14	0.004	0.24	<0.1	3.9	0.26	<0.02	11	0.1	0.03	4.4
1509304	Soil	67.9	24.2	0.31	233.4	0.019	<1	1.72	0.007	0.03	0.1	8.8	0.12	<0.02	69	0.6	0.06	3.8
1509305	Soil	47.9	10.5	0.31	99.4	0.003	15	1.07	0.003	0.06	<0.1	4.2	0.11	<0.02	22	0.2	0.03	3.9
1509306	Soil	39.6	22.2	0.56	136.3	0.041	<1	1.38	0.004	0.21	<0.1	5.3	0.22	<0.02	22	<0.1	0.04	5.1
1509307	Soil	21.7	29.6	0.37	133.7	0.037	<1	2.13	0.004	0.03	0.1	2.8	0.12	<0.02	30	0.3	0.04	7.7
1509308	Soil	27.2	20.0	0.20	207.1	0.012	<1	1.21	0.005	0.10	0.2	4.3	0.35	0.07	40	1.3	0.10	3.2
1509309	Soil	14.5	23.7	0.12	917.9	0.043	2	0.95	0.006	0.06	0.1	1.6	0.11	0.03	47	0.2	0.06	5.3
1509310	Soil	11.6	14.7	0.10	371.5	0.037	1	0.77	0.004	0.05	0.1	1.4	0.11	0.02	21	0.5	0.06	4.2
1509311	Soil	11.6	31.2	0.34	490.7	0.058	2	2.21	0.006	0.05	0.2	3.2	0.14	<0.02	57	0.4	0.03	6.2
1509312	Soil	11.8	41.4	0.52	307.6	0.053	<1	2.49	0.007	0.06	0.2	4.2	0.12	<0.02	27	0.4	0.04	6.0
1509313	Soil	11.7	25.8	0.33	198.9	0.037	1	1.53	0.005	0.06	0.1	2.8	0.13	<0.02	23	0.7	0.05	3.9
1509314	Soil	13.8	34.4	0.40	161.9	0.038	2	1.96	0.006	0.05	0.1	4.1	0.15	<0.02	22	0.3	0.04	5.4
1509315	Soil	18.4	32.8	0.24	220.8	0.027	3	2.77	0.005	0.06	0.2	3.4	0.15	0.03	50	0.7	0.05	3.7
1509316	Soil	19.5	36.2	0.44	228.8	0.049	2	2.64	0.007	0.04	0.1	4.1	0.14	<0.02	29	0.3	0.06	6.1
1509317	Soil	7.8	122.0	2.16	87.5	0.027	1	3.22	0.002	0.03	<0.1	13.7	0.10	<0.02	9	0.1	0.04	9.8
1509318	Soil	23.7	23.8	0.23	222.9	0.014	2	1.42	0.003	0.04	<0.1	2.5	0.11	<0.02	25	0.6	0.09	3.3
1509319	Soil	16.2	28.0	0.27	319.9	0.030	1	1.71	0.005	0.04	<0.1	3.1	0.12	<0.02	26	0.4	0.06	3.9
1509320	Soil	5.2	163.6	1.75	529.3	0.127	<1	3.46	0.005	0.15	<0.1	21.8	0.17	<0.02	20	0.4	0.04	9.9



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Method Analyte Unit MDL		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	%	%
		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																					
1509023	Soil	0.09	25.01	12.85	64.0	30	37.7	16.9	358	3.08	161.5	0.7	1.0	15.3	277.0	0.02	0.10	0.30	18	4.38	0.042
REP 1509023	QC	0.07	25.28	13.27	66.5	36	39.2	17.3	341	3.16	164.4	0.7	<0.2	15.6	273.9	0.01	0.14	0.32	18	4.25	0.042
1509055	Soil	0.45	40.55	10.01	77.0	15	107.2	24.5	718	4.82	1.4	1.7	0.8	17.4	16.8	0.05	0.06	0.45	82	0.48	0.141
REP 1509055	QC	0.41	41.53	9.88	79.7	10	106.7	24.4	695	4.78	1.9	1.7	1.0	17.6	17.0	0.05	0.06	0.46	82	0.49	0.147
1509087	Soil	0.39	23.52	6.37	74.4	30	45.5	19.6	607	3.84	5.3	1.3	<0.2	14.5	6.8	<0.01	0.07	0.39	14	0.08	0.047
REP 1509087	QC	0.34	23.37	6.36	74.6	31	45.7	19.3	598	3.83	5.6	1.3	<0.2	15.1	6.8	<0.01	0.07	0.39	14	0.08	0.046
1509119	Soil	0.58	15.88	6.82	28.5	84	17.5	9.0	142	1.77	4.5	0.4	<0.2	4.5	15.1	0.12	0.15	0.12	30	0.22	0.045
REP 1509119	QC	0.56	15.94	6.65	28.8	82	17.7	9.1	139	1.76	4.3	0.4	<0.2	4.5	15.0	0.07	0.15	0.11	30	0.22	0.044
1509151	Soil	0.17	16.83	3.61	65.8	39	34.4	14.2	236	2.16	0.3	1.0	0.6	16.1	21.1	<0.01	0.03	0.23	7	0.34	0.073
REP 1509151	QC	0.15	17.97	3.88	69.5	44	37.5	15.0	250	2.29	0.4	1.1	<0.2	17.9	21.8	<0.01	0.03	0.25	7	0.35	0.074
1509183	Soil	0.12	8.00	4.40	24.5	11	19.9	6.8	147	1.16	1.5	1.3	<0.2	11.9	13.0	0.12	0.06	0.14	13	0.18	0.078
REP 1509183	QC	0.14	8.00	4.49	23.3	6	18.2	6.4	144	1.16	1.2	1.3	<0.2	12.0	12.8	0.12	0.08	0.13	13	0.17	0.079
1509215	Soil	0.19	28.30	5.56	41.2	10	35.5	14.8	416	2.38	1.6	0.4	<0.2	2.7	27.2	0.02	0.05	0.04	11	0.22	0.038
REP 1509215	QC	0.19	28.13	5.50	40.5	8	35.2	15.0	415	2.30	1.7	0.4	<0.2	2.5	26.7	0.03	0.05	0.04	10	0.22	0.040
1509247	Soil	1.63	61.49	9.59	70.6	32	53.9	18.9	178	4.26	3.3	1.3	<0.2	11.9	14.0	0.03	0.16	0.23	94	0.24	0.109
REP 1509247	QC	1.69	63.45	10.05	71.9	32	56.8	19.9	184	4.27	3.2	1.4	0.4	12.3	14.5	0.03	0.16	0.23	95	0.24	0.114
1509279	Soil	0.26	21.55	22.12	26.1	72	30.6	14.9	592	2.50	1.9	0.6	2.5	4.5	319.8	0.04	0.09	0.05	8	7.07	0.059
REP 1509279	QC	0.24	22.10	22.37	25.5	66	31.0	14.7	582	2.52	1.8	0.6	1.6	4.5	316.2	0.06	0.08	0.06	8	7.04	0.062
1509306	Soil	0.14	29.65	22.05	41.7	69	36.0	17.8	916	3.22	2.2	0.6	0.6	13.3	258.8	0.06	0.10	0.31	16	7.42	0.080
REP 1509306	QC	0.10	30.09	22.06	41.8	61	33.8	17.9	885	3.25	2.4	0.6	<0.2	13.5	260.7	0.06	0.12	0.29	16	7.62	0.083
Reference Materials																					
STD DS10	Standard	14.71	157.20	148.72	376.5	1750	76.0	12.9	890	2.77	46.2	2.6	73.6	7.4	65.8	2.62	8.38	11.73	43	1.07	0.071
STD DS10	Standard	15.50	157.33	155.01	379.5	1788	73.4	12.8	896	2.77	45.9	2.7	71.6	8.1	67.7	2.57	8.85	11.93	43	1.07	0.074
STD DS10	Standard	14.70	160.38	160.11	374.0	1898	77.1	13.7	868	2.83	47.6	2.8	106.6	7.7	64.5	2.80	9.44	12.93	41	1.06	0.074
STD DS10	Standard	15.73	160.09	148.96	371.9	1850	75.6	13.8	927	2.92	47.3	2.7	75.4	7.9	67.3	2.43	8.31	12.15	43	1.11	0.077
STD DS10	Standard	15.41	160.48	155.82	362.5	1755	76.8	13.2	875	2.83	45.6	2.7	77.8	7.8	66.8	2.39	8.65	12.06	44	1.07	0.073
STD DS10	Standard	14.92	166.61	156.03	366.7	1910	78.1	13.1	919	2.84	46.3	2.9	93.8	7.6	66.4	2.87	9.30	13.04	43	1.07	0.073
STD DS10	Standard	13.93	152.54	152.23	366.6	1883	74.5	13.1	901	2.78	44.4	2.8	89.2	8.0	70.3	2.42	8.58	11.73	43	1.07	0.071



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Method Analyte Unit MDL		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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
Pulp Duplicates																	
1509023	Soil	58.4	23.3	0.43	40.5	0.005	<1	1.35	0.005	0.09	<0.1	4.8	0.10	<0.02	18	<0.1	0.03
REP 1509023	QC	59.8	22.9	0.44	42.9	0.008	<1	1.40	0.006	0.11	<0.1	4.8	0.13	<0.02	16	<0.1	<0.02
1509055	Soil	99.6	161.1	1.67	98.2	0.073	<1	2.49	0.003	0.28	<0.1	11.8	0.28	<0.02	11	0.1	0.04
REP 1509055	QC	99.9	160.3	1.68	98.4	0.073	<1	2.48	0.003	0.28	<0.1	12.2	0.28	<0.02	12	0.2	0.03
1509087	Soil	59.8	22.0	0.07	39.9	<0.001	<1	0.29	0.003	0.07	<0.1	5.6	0.08	<0.02	27	0.1	<0.02
REP 1509087	QC	60.0	22.0	0.07	41.4	<0.001	<1	0.30	0.003	0.07	<0.1	5.6	0.08	<0.02	24	0.2	0.02
1509119	Soil	13.2	18.6	0.35	114.5	0.025	<1	0.99	0.006	0.09	<0.1	2.1	0.06	<0.02	12	<0.1	0.03
REP 1509119	QC	13.0	18.3	0.34	113.1	0.025	<1	1.01	0.006	0.09	0.1	2.0	0.06	<0.02	8	<0.1	0.03
1509151	Soil	78.4	14.8	0.24	35.3	<0.001	<1	0.44	0.003	0.06	<0.1	3.1	0.08	<0.02	<5	<0.1	0.04
REP 1509151	QC	88.2	16.1	0.26	37.7	<0.001	<1	0.49	0.003	0.07	<0.1	3.2	0.09	<0.02	<5	<0.1	<0.02
1509183	Soil	31.8	14.3	0.27	38.8	0.020	<1	0.76	0.004	0.09	<0.1	2.0	0.12	<0.02	9	<0.1	<0.02
REP 1509183	QC	30.7	13.5	0.27	37.2	0.020	<1	0.75	0.004	0.09	<0.1	2.0	0.11	<0.02	<5	<0.1	<0.02
1509215	Soil	6.7	15.0	0.43	62.8	0.058	<1	1.07	0.003	0.26	<0.1	1.9	0.28	<0.02	<5	<0.1	0.05
REP 1509215	QC	6.7	14.8	0.43	63.4	0.056	<1	1.04	0.003	0.25	<0.1	1.8	0.27	<0.02	8	<0.1	0.04
1509247	Soil	22.4	50.9	0.67	68.2	0.034	1	2.50	0.004	0.22	<0.1	9.7	0.27	<0.02	6	0.3	0.02
REP 1509247	QC	22.6	52.0	0.67	70.9	0.034	<1	2.51	0.004	0.23	<0.1	9.4	0.28	<0.02	8	0.3	0.03
1509279	Soil	11.7	10.4	0.25	55.6	0.030	1	0.82	0.002	0.08	<0.1	3.0	0.12	<0.02	19	0.2	0.07
REP 1509279	QC	11.5	10.1	0.25	50.4	0.030	<1	0.82	0.002	0.08	<0.1	2.9	0.11	<0.02	<5	<0.1	0.04
1509306	Soil	39.6	22.2	0.56	136.3	0.041	<1	1.38	0.004	0.21	<0.1	5.3	0.22	<0.02	22	<0.1	0.04
REP 1509306	QC	40.0	23.1	0.58	133.8	0.048	<1	1.41	0.004	0.22	<0.1	5.6	0.21	<0.02	9	<0.1	0.03
Reference Materials																	
STD DS10	Standard	17.9	54.1	0.78	347.6	0.080	6	1.07	0.073	0.34	3.2	2.9	5.08	0.28	282	1.8	5.05
STD DS10	Standard	18.4	56.4	0.78	354.9	0.078	9	1.06	0.073	0.34	3.4	3.1	5.23	0.28	273	2.5	5.30
STD DS10	Standard	18.0	57.9	0.78	347.3	0.075	6	1.05	0.071	0.34	3.4	2.9	5.44	0.27	287	2.0	4.84
STD DS10	Standard	18.8	59.4	0.80	343.5	0.082	5	1.11	0.075	0.35	3.0	3.1	5.24	0.28	286	2.2	5.04
STD DS10	Standard	18.3	58.8	0.78	357.0	0.079	7	1.10	0.078	0.35	3.2	3.0	5.27	0.27	302	2.5	4.96
STD DS10	Standard	17.8	56.9	0.79	355.8	0.081	7	1.05	0.072	0.34	3.3	2.9	5.39	0.27	319	2.3	4.81
STD DS10	Standard	17.5	53.7	0.78	343.4	0.077	7	1.08	0.076	0.34	3.2	2.9	5.12	0.29	279	2.3	4.91



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Project:

CoCo and Daisy

Report Date:

September 21, 2016

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Part:

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QUALITY CONTROL REPORT

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		AQ252 Mo ppm 0.01	AQ252 Cu ppm 0.01	AQ252 Pb ppm 0.01	AQ252 Zn ppm 0.1	AQ252 Ag ppb 2	AQ252 Ni ppm 0.1	AQ252 Co ppm 0.1	AQ252 Mn ppm 1	AQ252 Fe % 0.01	AQ252 As ppm 0.1	AQ252 U ppm 0.1	AQ252 Au ppb 0.2	AQ252 Th ppm 0.1	AQ252 Sr ppm 0.5	AQ252 Cd ppm 0.01	AQ252 Sb ppm 0.02	AQ252 Bi ppm 0.02	AQ252 V ppm 2	AQ252 Ca % 0.01	AQ252 P % 0.001
STD DS10	Standard	14.69	160.16	164.57	365.5	1981	77.2	12.8	890	2.81	47.0	2.9	82.6	8.0	67.8	2.73	9.47	13.08	43	1.09	0.078
STD DS10	Standard	14.88	156.52	152.08	360.3	1770	74.3	13.5	877	2.76	45.5	2.7	84.0	7.7	66.6	2.49	8.36	11.98	43	1.07	0.079
STD DS10	Standard	15.70	158.43	155.10	380.5	1900	77.6	13.3	914	2.84	48.1	2.8	72.1	7.9	70.2	2.70	8.97	12.35	44	1.10	0.074
STD OXC129	Standard	1.26	27.99	6.50	43.3	15	82.0	20.7	430	3.04	0.6	0.7	203.4	1.9	188.2	0.02	0.03	<0.02	51	0.68	0.098
STD OXC129	Standard	1.25	26.53	6.31	41.4	11	76.3	20.2	424	2.98	0.6	0.7	187.2	1.9	187.6	0.02	0.03	<0.02	50	0.64	0.100
STD OXC129	Standard	1.34	27.29	6.62	40.0	10	76.1	20.0	404	2.90	0.6	0.7	178.1	1.9	186.3	0.03	0.03	<0.02	45	0.60	0.093
STD OXC129	Standard	1.24	28.77	6.38	43.7	23	82.9	20.7	442	3.20	0.4	0.7	196.5	1.8	180.7	0.04	0.03	<0.02	51	0.67	0.099
STD OXC129	Standard	1.33	27.74	6.42	39.6	16	80.0	21.8	428	3.09	0.6	0.7	184.9	1.9	184.4	0.01	0.04	<0.02	51	0.67	0.103
STD OXC129	Standard	1.27	28.23	6.53	38.1	12	79.8	20.4	416	3.00	0.8	0.7	194.2	1.8	171.9	0.02	0.03	<0.02	48	0.63	0.100
STD OXC129	Standard	1.37	29.14	6.71	41.6	11	83.7	21.5	419	3.05	0.4	0.7	198.0	2.0	193.3	0.04	0.03	<0.02	51	0.64	0.098
STD OXC129	Standard	1.26	28.10	6.86	38.6	16	79.0	20.9	414	3.04	0.4	0.7	200.0	2.0	183.3	0.03	0.03	<0.02	49	0.66	0.100
STD OXC129	Standard	1.28	26.68	6.38	39.7	13	78.6	20.5	416	2.99	0.8	0.7	188.9	1.8	176.7	0.02	0.03	<0.02	49	0.61	0.098
STD OXC129	Standard	1.28	28.34	6.41	41.2	14	80.9	20.8	446	3.13	0.9	0.7	188.9	1.9	194.5	<0.01	0.04	<0.02	51	0.66	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	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<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	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.02	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<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
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	0.03	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



Bureau Veritas Commodities Canada Ltd.

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QUALITY CONTROL REPORT

WHI16000266.1

		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	Ti	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 DS10	Standard	18.3	57.0	0.78	360.9	0.083	8	1.05	0.070	0.34	3.5	3.1	5.46	0.28	299	2.4	5.09	4.4
STD DS10	Standard	18.2	55.7	0.79	354.1	0.076	7	1.07	0.074	0.34	3.1	3.0	5.12	0.28	271	2.4	4.87	4.2
STD DS10	Standard	18.5	57.4	0.79	367.7	0.080	7	1.09	0.071	0.34	3.5	3.1	5.22	0.28	280	2.1	5.01	4.3
STD OXC129	Standard	12.7	53.5	1.55	48.6	0.374	<1	1.59	0.604	0.37	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.7
STD OXC129	Standard	12.3	51.1	1.51	48.1	0.374	1	1.56	0.593	0.38	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	12.9	48.1	1.45	49.1	0.336	1	1.48	0.588	0.38	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	12.1	54.1	1.56	48.6	0.381	<1	1.58	0.602	0.37	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	12.6	54.2	1.54	51.1	0.382	1	1.62	0.621	0.40	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	12.3	51.5	1.50	47.6	0.372	2	1.48	0.583	0.36	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.0
STD OXC129	Standard	12.7	51.9	1.54	49.7	0.417	2	1.60	0.625	0.41	0.1	1.2	0.03	<0.02	13	<0.1	0.03	5.5
STD OXC129	Standard	12.7	52.6	1.52	51.5	0.390	<1	1.60	0.601	0.38	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	12.9	51.0	1.52	48.7	0.356	2	1.51	0.589	0.38	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	13.0	53.5	1.57	50.5	0.389	2	1.57	0.589	0.37	<0.1	0.9	0.03	<0.02	<5	<0.1	<0.02	5.4
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	<5	<0.1	0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



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Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: September 08, 2016
Report Date: September 22, 2016
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI16000267.1

CLIENT JOB INFORMATION

Project: CoCo and Daisy
Shipment ID: 2016-06
P.O. Number
Number of Samples: 132

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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 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
Dry at 60C	132	Dry at 60C			WHI
SS80	132	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	132	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	132	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:

CoCo and Daisy

Report Date:

September 22, 2016

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Part:

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CERTIFICATE OF ANALYSIS

WHI16000267.1

	Method	Analyte	Unit	MDL	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
1509321	Soil																							
1509322	Soil																							
1509323	Soil																							
1509324	Soil																							
1509325	Soil																							
1509326	Soil																							
1509327	Soil																							
1509336	Soil																							
1509337	Soil																							
1509338	Soil																							
1509339	Soil																							
1509351	Soil																							
1509352	Soil																							
1509353	Soil																							
1509354	Soil																							
1509850	Soil																							
1509871	Soil																							
1509872	Soil																							
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1509874	Soil																							
1509875	Soil																							
1509876	Soil																							
1509877	Soil																							
1509878	Soil																							
1509879	Soil																							
1509880	Soil																							
1509881	Soil																							
1509882	Soil																							
1509883	Soil																							
1509884	Soil																							



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Project: CoCo and Daisy
Report Date: September 22, 2016

Page: 2 of 6

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI16000267.1

	Method	Analyte	Unit	MDL	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
1509321	Soil	10.3	31.2	0.41	647.6	0.033	<1	1.69	0.005	0.06	0.2	3.1	0.10	<0.02	30	0.3	0.06	5.9			
1509322	Soil	26.7	29.0	0.46	743.2	0.026	1	1.52	0.005	0.16	<0.1	4.2	0.17	<0.02	14	0.1	0.05	4.3			
1509323	Soil	24.4	58.0	1.10	640.2	0.005	<1	2.20	0.003	0.06	<0.1	10.1	0.12	<0.02	24	0.5	0.03	5.8			
1509324	Soil	29.1	71.7	1.04	466.5	0.030	<1	2.04	0.004	0.20	<0.1	7.0	0.16	<0.02	10	0.3	0.07	6.0			
1509325	Soil	9.1	35.6	0.34	222.5	0.035	1	1.76	0.005	0.06	0.2	2.7	0.11	<0.02	19	0.2	0.04	6.5			
1509326	Soil	19.1	26.0	0.46	354.9	0.031	1	1.40	0.004	0.11	<0.1	4.0	0.14	<0.02	11	0.4	0.10	3.8			
1509327	Soil	23.1	29.5	0.48	464.0	0.040	<1	1.64	0.004	0.12	0.1	3.3	0.13	<0.02	8	<0.1	0.14	5.4			
1509336	Soil	13.8	7.8	0.10	115.4	0.007	<1	0.41	0.003	0.05	<0.1	0.4	0.05	<0.02	7	<0.1	0.02	3.0			
1509337	Soil	18.7	39.2	0.39	1346.2	0.019	<1	1.45	0.007	0.07	0.1	4.1	0.13	<0.02	27	0.1	0.08	5.7			
1509338	Soil	14.4	56.5	0.61	726.5	0.020	1	2.18	0.005	0.05	0.1	5.9	0.13	<0.02	19	0.4	0.05	7.0			
1509339	Soil	29.1	27.8	0.33	328.9	0.006	<1	1.56	0.004	0.05	<0.1	3.0	0.09	<0.02	17	0.2	0.11	2.9			
1509351	Soil	13.1	33.7	0.47	492.0	0.040	<1	2.07	0.006	0.06	0.2	3.5	0.12	<0.02	29	0.2	0.09	5.5			
1509352	Soil	22.5	33.4	0.47	547.6	0.017	<1	1.73	0.004	0.06	0.1	4.2	0.12	<0.02	9	0.1	0.08	7.3			
1509353	Soil	13.2	31.4	0.47	808.2	0.053	<1	1.65	0.006	0.13	<0.1	3.7	0.19	<0.02	22	<0.1	0.05	6.7			
1509354	Soil	21.0	191.5	2.14	546.1	0.126	<1	2.48	0.006	0.45	<0.1	17.1	0.29	<0.02	43	<0.1	<0.02	7.3			
1509850	Soil	27.1	32.9	0.89	121.1	0.058	<1	1.86	0.006	0.48	<0.1	8.3	0.24	<0.02	8	0.2	0.04	8.0			
1509871	Soil	21.6	7.9	0.29	66.7	0.012	<1	0.58	0.003	0.07	<0.1	2.6	0.10	<0.02	20	0.5	0.02	1.4			
1509872	Soil	78.9	15.3	0.44	106.2	0.003	<1	1.12	0.005	0.05	<0.1	5.1	0.04	<0.02	30	0.2	0.04	2.6			
1509873	Soil	54.9	30.9	0.81	87.1	0.021	<1	1.89	0.005	0.21	<0.1	6.3	0.16	<0.02	9	<0.1	<0.02	6.6			
1509874	Soil	19.4	21.6	0.47	85.3	0.038	1	1.15	0.013	0.09	0.1	4.1	0.08	<0.02	53	0.2	0.03	3.5			
1509875	Soil	23.3	48.8	0.84	89.4	0.071	<1	1.68	0.007	0.28	<0.1	6.0	0.33	<0.02	19	<0.1	0.02	4.6			
1509876	Soil	17.4	12.2	0.47	33.4	0.039	1	0.78	0.003	0.22	<0.1	2.6	0.23	<0.02	9	0.4	0.03	2.3			
1509877	Soil	48.3	12.7	0.34	64.2	0.011	<1	0.90	0.003	0.10	<0.1	4.6	0.12	<0.02	16	0.2	0.03	3.1			
1509878	Soil	11.1	43.8	1.30	105.9	0.075	<1	2.18	0.006	0.18	<0.1	4.8	0.20	<0.02	<5	<0.1	<0.02	5.8			
1509879	Soil	43.5	29.4	0.53	93.0	0.007	1	1.50	0.006	0.05	<0.1	6.6	0.10	<0.02	19	0.1	0.03	5.4			
1509880	Soil	20.8	28.1	0.70	87.4	0.036	<1	1.53	0.006	0.12	<0.1	4.9	0.17	<0.02	12	0.1	<0.02	5.0			
1509881	Soil	50.1	21.5	0.46	70.0	0.012	<1	1.23	0.003	0.09	<0.1	5.2	0.14	<0.02	28	<0.1	<0.02	4.4			
1509882	Soil	112.2	30.1	0.53	96.8	0.011	<1	1.45	0.006	0.09	<0.1	8.7	0.14	<0.02	16	<0.1	<0.02	5.3			
1509883	Soil	5.1	24.2	0.59	38.1	0.057	<1	1.11	0.009	0.30	<0.1	2.2	0.40	<0.02	9	<0.1	<0.02	3.3			
1509884	Soil	62.0	19.1	0.45	59.9	0.006	<1	1.11	0.004	0.10	<0.1	4.3	0.14	<0.02	18	<0.1	<0.02	3.5			



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Project: CoCo and Daisy
Report Date: September 22, 2016

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CERTIFICATE OF ANALYSIS

WHI16000267.1

	Method	Analyte	Unit	MDL	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
1509885	Soil																							
1509886	Soil																							
1509887	Soil																							
1509888	Soil																							
1509889	Soil																							
1509890	Soil																							
1509891	Soil																							
1509892	Soil																							
1509893	Soil																							
1509894	Soil																							
1509895	Soil																							
1509896	Soil																							
1509897	Soil																							
1509898	Soil																							
1509899	Soil																							
1509900	Soil																							
1509915	Soil																							
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1509943	Soil																							
1509944	Soil																							
1509945	Soil																							
1509946	Soil																							



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					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
					0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1509885	Soil	24.2	23.7	0.61	76.3	0.039	<1	1.27	0.004	0.22	<0.1	3.2	0.23	<0.02	21	<0.1	0.03	3.8			
1509886	Soil	31.5	16.8	0.27	57.4	0.010	<1	1.55	0.003	0.06	<0.1	4.6	0.08	<0.02	14	0.2	0.02	2.7			
1509887	Soil	16.6	21.0	0.61	44.9	0.061	<1	1.10	0.005	0.24	<0.1	3.6	0.28	<0.02	25	<0.1	<0.02	3.4			
1509888	Soil	19.3	22.6	0.64	49.4	0.057	1	1.19	0.005	0.23	<0.1	4.0	0.26	<0.02	14	<0.1	<0.02	3.9			
1509889	Soil	29.5	28.5	0.34	86.0	0.026	2	1.84	0.007	0.06	<0.1	7.4	0.12	<0.02	22	0.2	<0.02	4.1			
1509890	Soil	13.1	25.0	1.13	76.0	0.087	3	1.34	0.003	0.55	0.1	2.0	0.27	<0.02	<5	<0.1	<0.02	2.8			
1509891	Soil	33.2	65.6	0.92	52.6	0.012	4	1.68	0.003	0.12	<0.1	3.7	0.11	<0.02	<5	<0.1	0.07	6.0			
1509892	Soil	19.6	292.3	1.70	109.8	0.087	1	2.12	0.009	0.20	<0.1	6.5	0.21	<0.02	<5	<0.1	0.08	6.4			
1509893	Soil	73.6	25.7	0.61	74.2	0.012	2	1.44	0.003	0.11	<0.1	4.6	0.13	<0.02	7	<0.1	0.05	5.3			
1509894	Soil	34.0	15.2	0.45	49.1	0.017	3	1.00	0.004	0.09	<0.1	3.8	0.18	<0.02	<5	<0.1	0.06	2.9			
1509895	Soil	50.7	18.6	0.68	62.3	0.020	3	1.18	0.003	0.13	<0.1	6.4	0.25	<0.02	6	0.2	0.07	3.4			
1509896	Soil	67.8	17.3	0.49	33.3	0.020	2	1.09	0.004	0.10	<0.1	5.0	0.22	<0.02	<5	<0.1	<0.02	3.1			
1509897	Soil	66.7	17.7	0.40	45.6	0.014	2	1.10	0.006	0.06	<0.1	5.7	0.13	<0.02	7	0.1	0.07	2.9			
1509898	Soil	46.3	9.5	0.28	36.6	0.003	3	0.78	0.004	0.07	<0.1	4.4	0.07	<0.02	<5	<0.1	0.13	2.5			
1509899	Soil	57.7	12.0	0.33	48.8	0.007	1	0.91	0.003	0.07	<0.1	4.1	0.10	<0.02	<5	<0.1	0.06	2.7			
1509900	Soil	10.3	24.9	0.54	68.6	0.046	1	1.54	0.004	0.14	<0.1	2.8	0.17	<0.02	<5	<0.1	0.05	5.2			
1509915	Soil	34.8	53.3	1.06	95.3	0.063	2	1.66	0.007	0.29	<0.1	5.3	0.25	<0.02	<5	<0.1	<0.02	6.1			
1509916	Soil	55.1	201.6	2.98	300.7	0.060	3	3.29	0.008	0.16	<0.1	15.2	0.15	<0.02	16	<0.1	<0.02	12.8			
1509917	Soil	6.3	120.6	1.41	213.2	0.096	2	1.48	0.027	0.21	<0.1	1.6	0.13	<0.02	<5	<0.1	<0.02	4.2			
1509918	Soil	10.8	218.2	1.91	107.4	0.073	1	1.85	0.010	0.03	0.1	3.6	0.04	<0.02	<5	<0.1	<0.02	5.1			
1509919	Soil	7.6	48.1	0.76	121.0	0.095	2	1.52	0.022	0.10	<0.1	4.8	0.09	<0.02	11	<0.1	<0.02	5.8			
1509922	Soil	22.1	29.7	0.52	148.5	0.052	3	1.74	0.005	0.08	0.2	3.2	0.11	<0.02	27	<0.1	<0.02	5.6			
1509923	Soil	27.4	40.3	1.13	53.0	0.007	1	2.01	0.003	0.07	<0.1	5.0	0.08	<0.02	21	<0.1	<0.02	5.4			
1509924	Soil	64.6	61.1	1.20	78.6	0.037	<1	2.04	0.004	0.30	<0.1	7.2	0.27	<0.02	18	0.3	<0.02	6.4			
1509925	Soil	18.3	37.8	0.66	161.5	0.046	2	1.92	0.005	0.17	<0.1	3.8	0.13	<0.02	<5	0.2	0.03	5.9			
1509942	Soil	21.6	67.7	1.05	130.3	0.062	2	2.05	0.007	0.20	<0.1	5.0	0.21	<0.02	14	<0.1	<0.02	5.5			
1509943	Soil	26.8	43.6	1.15	90.1	0.108	1	1.52	0.003	0.28	0.1	2.5	0.19	<0.02	<5	<0.1	0.03	2.4			
1509944	Soil	17.6	83.4	1.35	81.8	0.105	1	1.65	0.003	0.58	0.2	2.9	0.32	<0.02	17	<0.1	0.04	3.3			
1509945	Soil	12.8	37.8	1.17	62.9	0.091	1	1.46	0.003	0.62	0.3	1.6	0.31	<0.02	<5	<0.1	<0.02	2.6			
1509946	Soil	9.3	11.3	0.47	43.6	0.034	2	0.71	0.002	0.07	<0.1	2.2	0.11	<0.02	10	<0.1	0.03	1.7			



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	Method Analyte Unit MDL	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	%	%
		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
1509947	Soil	0.09	29.28	3.15	45.4	13	40.4	13.6	211	2.46	1.7	0.8	1.0	7.6	31.4	0.02	0.07	0.04	29	0.44	0.079
1509948	Soil	2.20	58.06	327.93	202.5	126	71.0	24.3	1732	11.83	20.6	1.8	30.8	22.1	14.8	0.42	0.82	0.38	54	0.18	0.074
1509949	Soil	0.34	33.83	39.23	60.2	85	45.4	26.3	689	3.73	3.0	1.0	<0.2	10.4	431.6	0.07	0.13	0.18	14	5.95	0.063
1509950	Soil	0.33	19.72	8.87	44.7	33	27.9	12.3	180	2.51	4.0	0.7	3.1	8.1	26.5	0.02	0.19	0.09	36	0.29	0.057
1509951	Soil	0.48	48.49	10.33	48.4	16	124.3	25.3	954	3.10	4.8	1.5	2.2	15.4	20.6	0.05	0.23	0.27	56	0.40	0.126
1509952	Soil	0.71	21.75	8.31	37.0	22	28.6	9.0	118	2.66	5.0	1.3	0.9	10.7	9.0	0.06	0.23	0.28	37	0.04	0.017
1509953	Soil	0.79	22.60	9.09	110.5	15	381.7	50.3	1235	7.15	34.3	3.5	4.3	18.0	26.5	0.05	0.21	0.24	110	0.41	0.109
1509954	Soil	0.09	23.22	6.56	25.0	13	25.6	7.1	169	1.50	1.0	0.7	2.2	15.9	10.7	0.01	0.06	0.26	10	0.19	0.051
1509955	Soil	0.27	27.41	8.14	40.3	13	34.2	11.1	234	2.80	3.3	0.9	1.0	14.6	12.4	0.03	0.31	0.21	35	0.17	0.022
1509956	Soil	0.58	40.90	12.81	49.2	38	49.7	16.2	221	3.49	5.7	0.9	0.9	10.1	13.1	0.05	0.32	0.26	65	0.15	0.011
1509957	Soil	0.58	50.76	10.17	73.7	26	97.6	29.9	1270	5.07	3.6	1.3	1.2	14.4	35.0	0.11	0.13	0.27	81	0.83	0.145
1509958	Soil	0.67	64.86	10.20	36.3	40	55.1	21.7	423	3.03	5.9	2.1	0.8	18.8	46.0	0.05	0.07	0.35	30	1.00	0.072
1509959	Soil	0.43	37.27	10.43	50.4	17	87.6	18.5	345	3.37	4.3	1.4	<0.2	19.1	9.0	0.03	0.26	0.29	47	0.13	0.034
1509960	Soil	0.79	29.88	9.03	69.8	24	45.3	13.2	175	3.63	9.8	1.0	0.9	15.3	9.7	0.06	0.44	0.26	34	0.09	0.020
1509961	Soil	0.69	51.64	47.72	109.6	117	66.2	23.5	1269	4.86	12.3	1.3	<0.2	12.7	104.0	0.24	0.29	0.31	24	3.37	0.059
1509962	Soil	0.54	46.55	42.97	493.8	50	62.6	22.5	451	4.34	3.5	0.5	<0.2	6.7	21.5	0.29	0.17	0.07	29	0.27	0.053
1509963	Soil	0.71	57.48	31.65	1281.7	125	60.6	24.9	798	3.24	0.7	0.8	<0.2	6.1	374.7	1.19	0.09	0.12	3	11.24	0.094
1509964	Soil	0.16	30.12	4.25	94.9	78	59.5	22.1	540	3.36	5.8	0.2	0.3	4.0	186.9	0.05	0.03	<0.02	32	2.81	0.091
1509965	Soil	0.11	25.83	21.61	96.6	47	36.9	16.3	471	2.49	2.2	0.7	<0.2	11.2	434.1	0.15	0.07	0.20	13	7.17	0.071
1509966	Soil	0.11	26.10	35.93	68.3	93	36.3	16.8	454	3.15	3.7	1.0	<0.2	12.2	271.7	0.06	0.09	0.21	12	6.22	0.066
1509967	Soil	0.21	28.57	38.84	67.8	95	38.9	19.6	636	3.52	2.1	1.4	<0.2	18.8	647.8	0.09	0.10	0.40	15	6.45	0.069
1509968	Soil	0.05	24.69	35.04	81.9	36	35.6	14.2	525	2.99	2.1	0.9	<0.2	21.7	90.7	0.11	0.08	0.31	20	2.03	0.089
1509969	Soil	0.28	28.87	19.27	91.0	131	42.8	19.5	470	4.05	4.5	1.1	<0.2	13.1	44.8	0.08	0.11	0.19	19	0.41	0.060
1509970	Soil	0.26	1.89	3.36	53.5	15	29.5	9.1	285	4.37	1.9	0.7	0.7	12.8	17.1	0.05	0.08	0.03	52	0.38	0.104
1509971	Soil	0.11	24.02	11.66	51.6	46	36.3	15.1	665	3.01	3.0	0.4	0.9	4.5	218.3	0.11	0.12	0.07	24	5.37	0.044
1509972	Soil	0.19	20.86	12.43	44.7	55	37.2	13.6	588	3.60	2.8	0.7	0.9	10.5	46.5	0.09	0.12	0.11	36	1.51	0.062
1509973	Soil	0.09	21.54	8.14	36.6	47	40.1	14.0	521	2.69	1.7	0.5	<0.2	6.4	29.9	0.07	0.09	0.05	34	0.87	0.067
1509974	Soil	0.23	45.15	22.68	35.9	52	55.8	23.1	1966	4.16	2.7	0.7	<0.2	4.9	25.4	0.09	0.16	0.10	16	0.29	0.049
1509975	Soil	0.55	17.83	5.67	44.2	22	29.8	11.5	308	2.42	5.4	0.4	<0.2	6.7	8.2	0.06	0.16	0.18	25	0.09	0.032
1509976	Soil	0.07	26.59	3.93	55.5	33	38.0	15.4	163	2.30	0.9	0.2	0.6	2.7	38.3	0.05	0.03	<0.02	14	1.05	0.042



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					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
					0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1509947	Soil	16.6	54.2	0.88	141.0	0.099	2	1.55	0.006	0.51	<0.1	2.5	0.31	<0.02	6	<0.1	<0.02	4.6			
1509948	Soil	45.2	53.2	0.84	149.5	0.035	4	4.01	0.005	0.08	0.2	17.7	0.21	<0.02	39	0.2	<0.02	6.5			
1509949	Soil	30.9	19.0	0.44	89.3	0.033	<1	1.16	0.003	0.15	<0.1	5.6	0.24	<0.02	26	<0.1	<0.02	3.2			
1509950	Soil	16.4	38.3	0.70	193.5	0.073	1	1.67	0.005	0.33	<0.1	3.1	0.23	<0.02	8	<0.1	<0.02	5.0			
1509951	Soil	36.4	209.3	1.12	135.6	0.077	1	1.55	0.004	0.35	<0.1	9.1	0.26	<0.02	11	<0.1	0.06	5.2			
1509952	Soil	17.5	45.0	0.63	79.5	0.027	1	1.67	0.004	0.07	<0.1	3.1	0.09	<0.02	<5	<0.1	0.06	4.9			
1509953	Soil	93.2	1018.8	3.62	239.8	0.149	<1	3.79	0.005	0.52	<0.1	19.6	0.58	<0.02	<5	<0.1	<0.02	10.6			
1509954	Soil	47.9	14.2	0.26	51.4	0.019	<1	0.76	0.003	0.17	<0.1	2.8	0.15	<0.02	<5	<0.1	<0.02	2.2			
1509955	Soil	43.3	37.7	0.64	127.7	0.043	2	1.45	0.004	0.17	<0.1	5.7	0.20	<0.02	11	0.1	0.03	4.2			
1509956	Soil	34.2	58.6	0.99	179.6	0.086	1	2.20	0.006	0.08	<0.1	6.2	0.18	<0.02	19	0.2	<0.02	6.5			
1509957	Soil	99.9	137.5	1.66	235.8	0.048	<1	2.57	0.005	0.56	<0.1	9.9	0.36	<0.02	<5	<0.1	0.02	7.1			
1509958	Soil	55.7	54.6	0.80	52.7	0.056	<1	1.39	0.003	0.29	<0.1	4.3	0.27	<0.02	6	0.4	0.15	4.3			
1509959	Soil	78.1	151.0	1.10	100.6	0.033	<1	2.00	0.003	0.10	<0.1	7.2	0.17	<0.02	10	<0.1	0.06	5.3			
1509960	Soil	28.7	30.8	0.85	129.3	0.015	1	2.32	0.003	0.06	<0.1	2.7	0.08	<0.02	17	<0.1	<0.02	5.4			
1509961	Soil	83.9	21.7	0.52	182.4	0.008	2	1.53	0.004	0.06	<0.1	8.4	0.06	<0.02	37	0.1	0.05	4.1			
1509962	Soil	22.8	31.6	0.99	93.4	0.052	1	2.04	0.005	0.09	<0.1	6.6	0.26	<0.02	<5	<0.1	0.02	5.4			
1509963	Soil	21.2	5.5	0.27	45.8	0.003	2	0.37	0.003	0.02	<0.1	3.9	<0.02	0.02	<5	<0.1	0.11	0.8			
1509964	Soil	11.6	77.4	1.46	62.6	0.093	1	1.52	0.003	0.78	0.1	3.8	0.36	<0.02	<5	0.2	0.04	3.2			
1509965	Soil	35.6	19.2	0.44	62.5	0.043	<1	0.98	0.003	0.25	<0.1	3.6	0.26	<0.02	<5	<0.1	<0.02	3.9			
1509966	Soil	31.2	17.5	0.56	49.6	0.049	<1	1.23	0.003	0.33	<0.1	3.2	0.26	<0.02	15	<0.1	0.05	4.3			
1509967	Soil	84.4	19.1	0.49	79.5	0.013	1	1.26	0.004	0.14	<0.1	6.0	0.14	<0.02	<5	<0.1	0.08	4.5			
1509968	Soil	89.4	26.2	0.73	58.6	0.027	1	1.36	0.004	0.25	<0.1	8.8	0.19	<0.02	<5	<0.1	0.05	4.2			
1509969	Soil	47.5	24.6	0.63	134.0	0.045	1	1.65	0.003	0.26	<0.1	4.8	0.20	<0.02	<5	<0.1	0.03	5.0			
1509970	Soil	19.1	51.4	3.77	63.8	0.096	1	3.96	0.004	0.42	<0.1	8.7	0.40	<0.02	<5	<0.1	<0.02	12.9			
1509971	Soil	13.5	24.4	0.72	120.1	0.027	1	1.41	0.005	0.05	<0.1	4.3	0.11	<0.02	6	<0.1	0.06	4.5			
1509972	Soil	45.6	38.9	1.58	106.5	0.035	1	2.28	0.005	0.06	<0.1	6.7	0.13	<0.02	8	0.2	<0.02	7.5			
1509973	Soil	28.2	48.5	0.56	85.8	0.052	1	1.21	0.008	0.22	<0.1	7.1	0.15	<0.02	<5	0.4	<0.02	4.9			
1509974	Soil	27.3	18.1	0.39	138.8	0.032	1	1.09	0.003	0.07	<0.1	6.2	0.14	<0.02	12	<0.1	0.06	2.8			
1509975	Soil	18.6	21.7	0.46	51.6	0.018	<1	1.24	0.004	0.07	<0.1	2.2	0.11	<0.02	<5	<0.1	<0.02	4.4			
1509976	Soil	9.5	21.5	0.53	39.7	0.061	<1	1.08	0.007	0.27	<0.1	2.9	0.32	<0.02	<5	<0.1	0.06	2.7			



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	Method Analyte Unit MDL	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	%	%
		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
1509977	Soil	0.07	19.97	9.46	31.7	55	23.8	12.8	400	2.04	1.7	0.5	2.1	6.3	203.0	0.06	0.09	0.13	10	9.55	0.073
1509978	Soil	0.05	18.80	9.78	32.7	55	23.9	12.6	406	1.99	1.7	0.5	1.3	6.5	207.2	0.04	0.09	0.12	10	9.58	0.070
1509979	Soil	0.09	28.10	4.58	50.2	38	38.3	15.9	329	2.25	0.4	0.2	<0.2	1.5	184.7	<0.01	0.03	<0.02	14	4.29	0.051
1509980	Soil	0.22	25.69	21.58	26.7	47	26.6	11.2	489	2.53	2.0	0.6	<0.2	4.5	915.7	0.03	0.07	0.08	8	18.73	0.059
1509981	Soil	0.37	37.67	36.11	57.0	59	47.2	17.6	540	3.51	6.2	0.7	1.4	11.5	38.7	0.13	0.20	0.28	27	0.60	0.053
1509982	Soil	0.01	32.97	14.24	126.6	70	47.6	18.9	288	3.10	1.2	0.3	1.7	3.3	61.0	0.21	0.04	0.04	19	2.19	0.045
1509983	Soil	0.67	25.47	3.93	61.2	8	29.0	10.4	145	3.07	1.1	0.5	1.0	4.0	15.8	0.03	0.07	0.05	38	0.22	0.091
1509984	Soil	0.19	8.43	2.25	55.9	3	42.8	14.2	335	2.32	0.6	0.7	1.1	10.8	22.0	0.03	0.02	0.05	35	0.40	0.115
1509985	Soil	0.41	31.30	58.02	49.5	363	45.9	16.8	837	3.80	2.9	1.1	2.9	12.7	66.0	0.16	0.07	2.13	27	1.88	0.092
1509986	Soil	0.16	41.79	17.65	59.9	38	47.2	20.0	418	2.53	1.1	0.6	1.3	8.9	36.8	0.02	0.05	0.18	20	2.24	0.069
1509987	Soil	0.15	28.54	21.42	61.3	45	38.2	16.3	567	2.96	1.6	0.5	1.4	6.8	75.4	0.05	0.12	0.12	20	4.95	0.059
1509988	Soil	0.43	31.81	11.11	98.8	27	79.2	28.8	810	5.32	2.7	0.7	1.8	4.8	115.9	0.05	0.12	0.08	109	2.32	0.092
1509989	Soil	1.05	99.93	4.73	61.1	40	216.3	35.5	782	4.70	0.6	0.9	2.0	8.1	51.2	0.03	0.04	0.11	94	1.03	0.295
1509990	Soil	1.17	94.07	5.68	68.0	51	214.5	37.3	883	4.98	0.9	1.0	2.1	9.0	55.0	0.04	0.05	0.12	105	1.09	0.323
1509991	Soil	0.21	65.79	4.76	47.4	38	42.7	25.1	249	3.28	1.9	1.7	0.9	23.9	21.1	<0.01	0.06	0.24	20	0.52	0.193
1509992	Soil	0.12	21.40	3.51	35.5	5	23.2	11.8	183	2.14	0.6	0.8	1.2	17.9	10.1	0.02	0.03	0.17	23	0.20	0.082
1509993	Soil	0.17	13.17	3.03	32.0	<2	25.6	8.8	114	2.07	2.0	0.9	0.3	15.4	5.2	<0.01	0.05	0.14	14	0.07	0.029
1509994	Soil	1.04	171.65	7.47	76.5	34	249.1	53.0	1099	6.20	2.9	0.6	0.8	2.0	43.5	0.08	0.07	0.16	205	1.03	0.267
1509995	Soil	0.38	16.47	8.30	62.8	4	88.9	19.2	315	4.39	1.1	1.0	<0.2	20.6	12.7	0.01	0.10	0.29	84	0.26	0.105
1509996	Soil	0.62	92.35	4.57	41.4	6	180.9	29.4	462	3.73	1.2	0.4	<0.2	1.8	23.7	<0.01	0.10	0.05	62	0.66	0.184
1509997	Soil	0.64	28.77	8.10	33.0	17	47.6	12.5	156	2.62	154.9	1.2	0.4	19.6	5.4	<0.01	0.20	0.25	27	0.08	0.036
1509998	Soil	0.77	24.24	6.19	40.2	38	27.8	8.3	162	3.07	15.3	0.5	1.2	11.3	7.6	0.02	0.25	0.15	39	0.08	0.038
1509999	Soil	0.73	30.13	6.15	17.8	13	24.4	6.2	136	2.30	4.0	1.1	0.4	9.6	7.1	0.02	0.16	0.25	28	0.12	0.067
1510000	Soil	0.59	56.72	6.91	55.1	9	52.9	15.6	470	3.79	2.8	3.4	1.9	25.4	4.3	<0.01	0.15	0.38	12	0.05	0.032
1509927	Soil	0.43	29.83	20.72	60.5	148	33.8	11.2	190	3.07	2.7	1.1	0.6	12.5	13.8	<0.01	0.13	0.48	33	0.20	0.085
1509928	Soil	0.52	29.30	26.93	57.0	35	33.0	15.5	431	2.82	3.9	1.2	0.7	11.2	11.0	0.04	0.20	0.50	38	0.25	0.096
1509929	Soil	0.13	23.42	10.35	31.1	9	28.3	10.1	151	2.68	1.3	1.1	0.3	18.0	10.7	0.02	0.08	0.15	26	0.17	0.071
1509930	Soil	0.32	30.77	7.44	62.5	12	32.4	11.0	205	3.50	6.9	2.0	0.6	21.3	9.9	0.01	0.10	0.20	26	0.11	0.040
1509931	Soil	0.46	38.09	6.47	46.8	10	33.1	12.9	205	2.94	3.0	0.7	0.5	7.5	18.7	<0.01	0.10	0.10	39	0.32	0.107
1509932	Soil	0.60	38.43	13.42	47.6	12	27.8	9.8	140	2.45	2.7	1.1	<0.2	8.3	11.1	0.02	0.14	0.20	16	0.11	0.044



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	Method	Analyte	Unit	MDL	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
1509977	Soil	20.2	9.5	0.25	51.5	0.012	<1	0.69	0.003	0.06	<0.1	2.9	0.11	<0.02	12	<0.1	0.02	2.1			
1509978	Soil	20.0	9.7	0.25	51.6	0.012	1	0.68	0.003	0.06	<0.1	2.7	0.13	<0.02	<5	<0.1	0.04	2.0			
1509979	Soil	5.6	19.6	0.54	49.2	0.066	<1	0.97	0.005	0.32	<0.1	2.1	0.31	<0.02	<5	<0.1	<0.02	2.6			
1509980	Soil	16.4	7.8	0.42	35.3	0.014	2	0.54	0.003	0.06	<0.1	2.9	0.08	<0.02	<5	<0.1	<0.02	1.9			
1509981	Soil	35.4	21.1	0.40	84.8	0.018	1	1.29	0.005	0.08	<0.1	6.9	0.15	<0.02	7	<0.1	0.06	4.0			
1509982	Soil	11.0	25.1	0.78	57.8	0.055	2	1.44	0.005	0.30	<0.1	4.1	0.25	<0.02	<5	<0.1	<0.02	4.2			
1509983	Soil	6.1	30.4	0.82	128.8	0.113	1	1.82	0.007	0.61	<0.1	1.7	0.30	<0.02	6	<0.1	0.04	5.8			
1509984	Soil	18.4	61.0	0.88	251.5	0.094	<1	1.44	0.009	0.58	<0.1	2.6	0.37	<0.02	5	<0.1	<0.02	3.6			
1509985	Soil	69.8	36.8	1.20	188.8	0.057	1	1.81	0.003	0.11	<0.1	8.3	0.23	<0.02	41	0.3	0.24	5.4			
1509986	Soil	25.2	22.4	0.75	131.5	0.016	<1	1.35	0.004	0.13	<0.1	3.6	0.25	<0.02	8	0.1	0.04	4.1			
1509987	Soil	23.6	25.6	0.88	98.6	0.032	2	1.49	0.004	0.19	<0.1	4.1	0.25	<0.02	16	<0.1	0.02	4.3			
1509988	Soil	19.4	147.6	1.42	159.2	0.047	2	2.75	0.009	0.15	<0.1	13.6	0.36	<0.02	19	0.3	<0.02	7.9			
1509989	Soil	23.1	299.2	1.86	317.7	0.092	<1	2.70	0.012	0.64	<0.1	11.3	0.36	<0.02	8	0.2	0.07	9.7			
1509990	Soil	27.2	322.1	2.06	348.1	0.109	<1	2.93	0.012	0.74	<0.1	13.0	0.39	<0.02	11	0.2	0.04	10.4			
1509991	Soil	49.6	26.7	0.48	53.9	0.068	<1	1.06	0.003	0.48	<0.1	4.1	0.42	<0.02	11	<0.1	0.06	3.1			
1509992	Soil	28.0	29.3	0.50	108.3	0.077	<1	1.12	0.004	0.48	<0.1	3.5	0.36	<0.02	6	<0.1	0.03	3.5			
1509993	Soil	29.4	21.0	0.61	76.4	0.066	<1	1.13	0.003	0.31	<0.1	2.4	0.38	<0.02	<5	<0.1	<0.02	3.2			
1509994	Soil	20.8	885.4	3.03	380.2	0.185	<1	3.42	0.014	0.83	<0.1	21.1	0.55	<0.02	11	<0.1	0.08	13.2			
1509995	Soil	35.4	171.2	1.86	137.3	0.095	1	2.63	0.004	0.35	<0.1	14.1	0.31	<0.02	6	0.1	<0.02	8.0			
1509996	Soil	9.5	302.2	1.47	199.2	0.146	<1	2.11	0.026	0.29	<0.1	3.7	0.48	<0.02	<5	0.3	0.05	6.6			
1509997	Soil	22.2	32.2	0.69	104.3	0.020	<1	1.77	0.003	0.08	<0.1	3.8	0.17	<0.02	10	0.2	0.07	4.0			
1509998	Soil	21.9	32.4	0.55	141.8	0.034	2	1.75	0.004	0.09	<0.1	4.0	0.18	<0.02	9	<0.1	0.03	5.8			
1509999	Soil	27.3	17.4	0.60	66.9	0.049	<1	1.28	0.003	0.10	<0.1	2.5	0.16	<0.02	15	<0.1	0.05	4.4			
1510000	Soil	54.7	18.5	0.45	71.4	0.010	<1	1.14	0.004	0.06	<0.1	5.0	0.13	<0.02	10	0.2	0.06	2.5			
1509927	Soil	39.4	31.3	0.67	90.1	0.068	<1	1.58	0.004	0.34	<0.1	3.7	0.31	<0.02	10	<0.1	0.04	4.7			
1509928	Soil	34.9	44.9	0.83	103.6	0.052	<1	1.48	0.004	0.30	<0.1	5.8	0.25	<0.02	<5	0.1	<0.02	5.3			
1509929	Soil	56.1	21.9	0.64	63.6	0.016	<1	1.37	0.004	0.19	<0.1	5.1	0.16	<0.02	<5	0.2	<0.02	4.2			
1509930	Soil	63.7	33.1	0.60	128.2	0.010	<1	1.57	0.005	0.08	<0.1	3.1	0.09	<0.02	<5	0.1	0.04	6.3			
1509931	Soil	19.0	34.1	0.77	107.3	0.074	<1	1.54	0.007	0.26	<0.1	3.0	0.20	<0.02	6	0.2	0.04	3.8			
1509932	Soil	14.5	15.6	0.41	58.6	0.043	<1	1.21	0.003	0.23	<0.1	1.9	0.23	<0.02	8	<0.1	0.02	2.9			



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1509933	Soil	0.19	65.65	16.00	86.8	58	44.6	23.4	371	3.84	2.5	0.6	1.7	6.1	107.8	0.05	0.12	0.09	30	3.69	0.079
1509934	Soil	0.18	13.37	9.94	34.4	44	21.0	6.2	224	1.30	6.0	0.4	<0.2	7.9	194.6	0.05	0.18	0.11	13	4.56	0.059
1509935	Soil	0.24	33.54	13.86	82.1	76	34.6	12.8	367	2.68	3.0	0.7	3.9	7.6	304.3	0.07	0.15	0.16	22	4.59	0.066
1509936	Soil	0.06	25.75	10.93	63.8	57	35.7	13.9	214	1.84	0.8	0.2	0.6	2.3	66.0	0.03	0.04	0.03	10	3.06	0.071
1509937	Soil	0.09	18.55	13.10	39.9	49	32.3	10.5	241	2.26	1.4	0.4	1.2	7.6	267.5	0.05	0.07	0.13	19	4.85	0.072
1509938	Soil	0.14	28.20	5.42	53.4	82	34.2	15.3	158	2.52	0.6	0.2	0.8	1.9	63.7	0.01	0.04	<0.02	11	2.32	0.057
1509939	Soil	0.58	14.62	590.49	2223.0	109	31.0	9.8	509	3.27	4.1	0.6	0.7	6.5	23.0	3.35	0.26	0.25	37	0.39	0.074
1509940	Soil	0.09	31.67	7.94	64.7	62	48.0	18.1	232	3.21	0.8	0.3	0.7	6.6	34.1	0.04	0.06	0.08	24	0.69	0.049
1509941	Soil	0.19	31.63	19.25	61.1	60	36.3	16.2	581	1.95	0.7	0.5	1.0	5.5	217.3	0.11	0.07	0.09	7	5.31	0.053
1509870	Soil	0.13	30.18	5.16	37.4	20	38.9	16.6	330	2.08	1.1	0.3	0.4	2.3	21.0	<0.01	0.06	0.04	12	0.13	0.025
1509921	Soil	2.90	109.00	22.69	335.0	82	61.6	13.5	259	4.15	23.7	3.0	8.4	12.6	14.2	0.93	1.03	0.64	65	0.11	0.071
1509926	Soil	1.26	26.36	15.26	33.5	15	22.4	13.4	311	2.48	6.6	1.7	1.9	16.8	22.8	0.02	0.10	0.27	26	0.29	0.088



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Client: **XyQuest Goldbank**
604-889 Pender Street W
Vancouver British Columbia V6C 3B2 Canada

Project: CoCo and Daisy
Report Date: September 22, 2016

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CERTIFICATE OF ANALYSIS

WHI16000267.1

	Method Analyte Unit MDL	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	Ti	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	0.1	0.02	0.02	5	0.1	0.02
1509933	Soil	22.3	53.5	1.94	131.8	0.094	2	2.33	0.008	0.64	<0.1	3.6	0.55	<0.02	<5	0.2	0.03	6.9
1509934	Soil	23.1	14.3	0.30	45.4	0.021	<1	0.51	0.006	0.08	<0.1	3.0	0.09	<0.02	16	0.1	<0.02	1.7
1509935	Soil	24.4	24.8	0.56	72.8	0.039	1	1.19	0.007	0.21	<0.1	4.3	0.25	<0.02	27	0.2	0.03	4.4
1509936	Soil	8.7	13.0	0.40	36.6	0.038	<1	0.73	0.006	0.19	<0.1	2.3	0.20	<0.02	<5	<0.1	<0.02	1.9
1509937	Soil	26.6	22.4	0.54	47.0	0.029	1	0.97	0.005	0.14	<0.1	4.9	0.19	<0.02	13	0.3	<0.02	3.4
1509938	Soil	4.8	15.1	0.54	34.2	0.074	<1	0.92	0.006	0.32	<0.1	1.5	0.31	<0.02	<5	0.2	0.04	2.3
1509939	Soil	19.3	44.9	0.52	49.2	0.061	1	1.43	0.004	0.06	<0.1	8.1	0.12	<0.02	29	0.1	<0.02	4.3
1509940	Soil	29.1	29.4	0.74	72.0	0.028	<1	1.43	0.005	0.16	<0.1	5.9	0.21	<0.02	13	0.1	0.02	4.8
1509941	Soil	14.6	8.5	0.30	47.2	0.041	2	0.62	0.002	0.15	<0.1	1.8	0.26	<0.02	11	<0.1	<0.02	1.7
1509870	Soil	5.3	19.2	0.39	33.9	0.059	<1	0.96	0.003	0.20	<0.1	1.6	0.34	<0.02	14	<0.1	<0.02	2.4
1509921	Soil	39.7	23.2	0.21	108.7	0.003	<1	1.00	0.002	0.07	0.2	3.9	0.13	<0.02	23	0.8	0.05	2.9
1509926	Soil	39.5	17.9	0.63	72.9	0.049	<1	1.18	0.003	0.34	<0.1	4.0	0.24	<0.02	8	<0.1	0.02	3.8



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Project:

CoCo and Daisy

Report Date:

September 22, 2016

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QUALITY CONTROL REPORT

WHI16000267.1

Method Analyte Unit MDL		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	%	%
		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																					
1509880	Soil	0.13	30.12	10.99	48.4	52	45.1	16.8	519	3.23	2.5	0.4	0.7	6.4	38.8	0.06	0.09	0.13	24	0.79	0.078
REP 1509880	QC	0.12	29.53	10.80	47.6	48	45.1	17.1	506	3.22	2.7	0.4	1.0	6.3	39.1	0.06	0.09	0.11	24	0.81	0.071
1509944	Soil	0.14	39.27	5.93	67.0	70	69.6	24.4	684	3.13	1.4	0.3	1.6	4.7	144.0	0.04	0.03	<0.02	23	2.04	0.088
REP 1509944	QC	0.18	38.78	5.76	66.8	67	68.8	23.3	666	3.15	1.6	0.3	2.3	4.6	141.3	0.03	0.04	<0.02	24	2.10	0.086
1509976	Soil	0.07	26.59	3.93	55.5	33	38.0	15.4	163	2.30	0.9	0.2	0.6	2.7	38.3	0.05	0.03	<0.02	14	1.05	0.042
REP 1509976	QC	0.07	26.04	3.85	56.0	31	39.4	15.2	167	2.33	0.7	0.2	<0.2	2.6	37.5	0.04	<0.02	<0.02	14	1.07	0.041
1509934	Soil	0.18	13.37	9.94	34.4	44	21.0	6.2	224	1.30	6.0	0.4	<0.2	7.9	194.6	0.05	0.18	0.11	13	4.56	0.059
REP 1509934	QC	0.17	14.41	10.28	36.5	40	21.5	6.6	228	1.36	6.2	0.4	1.3	7.8	203.6	0.06	0.20	0.11	14	4.79	0.058
1509926	Soil	1.26	26.36	15.26	33.5	15	22.4	13.4	311	2.48	6.6	1.7	1.9	16.8	22.8	0.02	0.10	0.27	26	0.29	0.088
REP 1509926	QC	1.36	27.94	14.89	34.1	16	22.2	13.1	323	2.48	6.4	1.7	1.5	17.2	22.2	0.03	0.10	0.26	25	0.29	0.087
Reference Materials																					
STD DS10	Standard	15.42	156.60	161.44	377.1	1857	75.8	12.9	871	2.84	46.1	2.8	92.9	7.9	67.2	2.51	8.98	12.65	43	1.08	0.079
STD DS10	Standard	15.14	160.33	161.02	365.4	1877	75.0	13.0	913	2.85	48.0	2.8	73.6	7.9	69.7	2.65	8.90	12.29	43	1.10	0.081
STD DS10	Standard	14.86	153.67	150.50	358.4	1808	73.5	13.1	895	2.78	45.3	2.7	72.1	7.5	70.5	2.55	9.07	11.57	42	1.08	0.071
STD DS10	Standard	15.92	155.48	154.42	355.6	1796	79.6	13.9	883	2.78	42.8	2.9	80.7	8.0	69.6	2.56	9.09	11.50	44	1.13	0.072
STD DS10	Standard	15.32	158.99	160.51	369.9	1911	78.4	13.2	894	2.80	44.7	3.1	96.3	8.9	77.7	2.56	10.12	14.03	44	1.11	0.076
STD OXC129	Standard	1.34	27.66	6.55	39.9	15	80.8	21.5	420	3.10	0.3	0.7	193.4	1.9	182.5	<0.01	0.03	<0.02	52	0.63	0.102
STD OXC129	Standard	1.34	27.98	6.32	42.4	12	80.3	21.5	421	3.11	0.6	0.7	191.9	1.8	179.1	0.02	0.03	<0.02	50	0.63	0.097
STD OXC129	Standard	1.22	26.94	6.52	38.7	23	78.6	20.1	420	3.01	0.7	0.7	204.2	2.0	197.9	0.04	0.04	<0.02	49	0.66	0.093
STD OXC129	Standard	1.19	27.93	6.86	38.8	31	81.7	20.7	413	3.03	0.7	0.8	200.5	2.1	202.5	0.05	0.03	<0.02	52	0.77	0.089
STD OXC129	Standard	1.35	27.92	6.90	41.5	16	81.2	21.0	440	3.03	0.5	0.8	204.7	2.1	207.3	0.04	0.04	<0.02	52	0.70	0.089
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	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<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	0.02	0.2	9	0.1	<0.1	1	<0.01	<0.1	<0.1	<0.2	<0.1	0.6	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	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	<0.001



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Project: CoCo and Daisy
Report Date: September 22, 2016

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QUALITY CONTROL REPORT

WHI16000267.1

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																		
1509880	Soil	20.8	28.1	0.70	87.4	0.036	<1	1.53	0.006	0.12	<0.1	4.9	0.17	<0.02	12	0.1	<0.02	5.0
REP 1509880	QC	21.4	29.0	0.71	84.9	0.036	<1	1.53	0.006	0.12	<0.1	4.7	0.18	<0.02	14	0.2	<0.02	4.8
1509944	Soil	17.6	83.4	1.35	81.8	0.105	1	1.65	0.003	0.58	0.2	2.9	0.32	<0.02	17	<0.1	0.04	3.3
REP 1509944	QC	17.3	81.8	1.36	82.8	0.105	3	1.66	0.003	0.59	0.3	3.2	0.32	<0.02	<5	<0.1	0.03	3.1
1509976	Soil	9.5	21.5	0.53	39.7	0.061	<1	1.08	0.007	0.27	<0.1	2.9	0.32	<0.02	<5	<0.1	0.06	2.7
REP 1509976	QC	9.0	21.7	0.54	37.8	0.062	<1	1.08	0.007	0.28	<0.1	2.9	0.31	<0.02	<5	0.1	<0.02	2.6
1509934	Soil	23.1	14.3	0.30	45.4	0.021	<1	0.51	0.006	0.08	<0.1	3.0	0.09	<0.02	16	0.1	<0.02	1.7
REP 1509934	QC	22.9	15.0	0.32	49.8	0.022	<1	0.53	0.009	0.08	<0.1	3.0	0.11	<0.02	16	0.1	<0.02	2.0
1509926	Soil	39.5	17.9	0.63	72.9	0.049	<1	1.18	0.003	0.34	<0.1	4.0	0.24	<0.02	8	<0.1	0.02	3.8
REP 1509926	QC	39.2	18.8	0.62	74.6	0.048	<1	1.16	0.003	0.34	<0.1	3.9	0.22	<0.02	9	<0.1	<0.02	4.1
Reference Materials																		
STD DS10	Standard	18.4	56.4	0.78	369.3	0.077	7	1.07	0.072	0.34	3.5	3.2	5.34	0.28	322	2.2	5.06	4.5
STD DS10	Standard	18.4	58.1	0.79	374.9	0.077	7	1.11	0.075	0.34	3.4	3.2	5.36	0.27	330	2.5	5.28	4.6
STD DS10	Standard	17.5	55.9	0.78	349.1	0.080	7	1.09	0.077	0.35	3.3	3.0	5.02	0.27	241	2.8	4.76	4.6
STD DS10	Standard	19.5	59.6	0.80	350.3	0.089	7	1.12	0.077	0.36	3.4	3.2	5.11	0.28	293	2.0	4.97	4.6
STD DS10	Standard	20.3	57.1	0.81	351.1	0.086	7	1.11	0.057	0.37	3.6	3.1	5.46	0.28	332	2.0	5.14	4.6
STD OXC129	Standard	13.2	54.8	1.56	52.6	0.385	2	1.57	0.600	0.39	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	12.8	52.7	1.54	49.3	0.360	<1	1.56	0.596	0.38	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	13.0	50.4	1.51	49.4	0.392	2	1.55	0.589	0.37	<0.1	1.4	0.03	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	12.9	54.5	1.54	49.2	0.413	3	1.68	0.624	0.39	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	13.4	52.3	1.54	50.5	0.387	1	1.64	0.623	0.41	<0.1	0.7	0.04	<0.02	8	<0.1	<0.02	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	0.2	<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	6	<0.1	<0.02	<0.1



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Submitted By: Boris Molak

Receiving Lab: Canada-Whitehorse

Received: October 03, 2017

Report Date: April 05, 2018

Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI17000976.1

CLIENT JOB INFORMATION

Project: Leota

Shipment ID:

P.O. Number

Number of Samples: 175

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	174	Dry at 60C			WHI
SS80	174	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	174	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	174	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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Client: **Goldbank Mining Corp.**
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Vancouver British Columbia V6C 3B2 Canada

Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

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PHONE (604) 253-3158

Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

WHI17000976.1

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

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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
619273	Soil	0.27	14.15	14.39	67.6	25	23.5	13.2	358	3.11	3.4	1.6	<0.2	13.9	12.3	0.10	0.11	0.28	29	0.09	0.045
619274	Soil	0.15	24.38	8.44	59.3	38	33.4	11.9	283	3.17	11.1	3.4	1.4	17.9	27.6	0.04	0.10	0.30	32	0.24	0.053
619275	Soil	0.14	29.15	9.66	64.8	21	34.7	9.6	171	3.45	2.6	3.0	1.0	18.5	24.1	0.02	0.14	0.44	27	0.25	0.041
619276	Soil	0.16	45.69	5.31	80.2	11	45.1	14.2	140	2.99	1.5	3.6	0.4	24.9	11.0	0.01	0.04	0.34	27	0.24	0.084
619277	Soil	0.28	23.94	8.70	78.4	13	38.6	17.5	257	3.95	2.4	1.3	0.2	22.1	14.9	0.02	0.11	0.22	43	0.08	0.024
619280	Soil	0.28	9.56	5.17	75.4	30	30.1	15.3	244	2.75	1.8	1.7	0.4	11.4	7.6	0.03	0.13	0.14	47	0.09	0.038
619281	Soil	0.53	20.45	8.15	100.8	41	43.4	15.1	161	4.18	3.9	1.9	0.3	12.6	8.4	0.05	0.19	0.33	74	0.07	0.070
619282	Soil	0.44	20.48	6.19	64.2	23	30.5	9.8	119	2.70	5.5	1.4	1.0	16.8	8.8	0.02	0.35	0.26	38	0.07	0.024
619283	Soil	0.70	31.24	6.29	105.3	26	55.1	13.8	130	4.04	3.3	1.7	0.2	12.0	5.5	0.02	0.17	0.36	52	0.05	0.037
619284	Soil	0.20	14.14	4.25	28.0	12	21.0	7.2	243	2.46	2.0	1.7	<0.2	13.1	6.5	0.05	0.08	0.25	41	0.07	0.057
619285	Soil	0.42	28.37	6.80	36.3	20	18.6	9.7	105	2.53	6.7	2.2	0.6	11.8	5.0	0.05	0.22	0.65	45	0.04	0.057
619286	Soil	0.31	29.04	4.49	55.3	32	52.9	9.7	63	2.57	8.7	3.3	0.4	22.4	11.0	0.02	0.06	0.31	13	0.27	0.180
619287	Soil	0.51	25.76	13.58	67.5	90	49.6	18.0	127	3.86	59.9	1.5	<0.2	10.5	4.6	0.09	0.27	0.33	46	0.03	0.031
619288	Soil	0.60	42.31	4.47	75.2	21	56.4	17.5	141	3.74	3.9	3.0	0.8	18.7	9.1	0.03	0.13	0.41	38	0.22	0.121
619289	Soil	0.11	28.93	13.86	77.5	85	33.2	15.5	311	2.91	0.5	0.6	1.1	5.9	147.0	0.03	0.06	0.21	17	6.24	0.057
619290	Soil	0.63	38.75	6.74	107.4	53	44.6	16.3	163	3.90	3.8	2.7	0.4	16.5	6.5	0.05	0.16	0.35	38	0.11	0.058
619291	Soil	0.16	28.98	5.84	47.2	17	28.5	9.1	118	1.75	1.3	1.5	<0.2	24.8	11.1	<0.01	0.02	0.23	9	0.24	0.079
619292	Soil	0.26	32.54	17.93	83.4	65	38.1	17.3	476	3.30	11.6	1.8	0.5	17.7	25.9	0.04	0.36	0.62	24	0.21	0.042
619293	Soil	0.50	34.86	6.08	109.7	24	51.1	22.3	219	3.69	3.6	2.7	<0.2	23.2	6.1	0.02	0.10	0.27	37	0.12	0.046
619294	Soil	0.36	32.69	7.12	104.9	17	47.3	18.9	137	4.03	3.5	0.9	<0.2	8.4	23.0	0.01	0.13	0.17	52	0.06	0.025
619295	Soil	0.33	35.01	11.90	92.9	66	43.8	21.6	321	3.39	8.4	2.0	<0.2	16.9	27.1	0.03	0.09	0.32	32	0.32	0.079
619298	Soil	0.12	22.13	7.37	73.1	31	29.8	12.6	305	2.51	0.8	0.9	<0.2	9.9	537.0	0.02	0.08	0.33	11	8.66	0.065
619299	Soil	0.09	36.47	6.86	119.7	55	66.2	26.3	305	5.11	1.3	0.5	<0.2	5.4	101.6	0.04	<0.02	0.28	52	1.29	0.076
619300	Soil	0.30	47.82	5.26	99.8	75	45.8	22.0	102	2.83	1.3	0.9	0.2	19.1	21.3	0.01	0.05	0.60	26	0.51	0.172
619297	Soil	0.12	19.11	13.45	50.3	43	28.1	14.5	579	2.89	1.3	0.6	<0.2	8.8	579.5	0.04	0.06	0.26	15	12.57	0.070



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	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
619273	Soil	38.9	25.9	0.50	95.2	0.048	<1	1.67	0.006	0.33	<0.1	2.4	0.16	<0.02	<5	<0.1	<0.02
619274	Soil	70.0	31.5	0.67	105.0	0.040	<1	1.70	0.006	0.39	<0.1	4.3	0.20	<0.02	7	0.1	<0.02
619275	Soil	48.2	29.4	0.74	42.1	0.005	<1	1.79	0.005	0.06	<0.1	4.4	0.09	<0.02	9	<0.1	0.03
619276	Soil	86.1	27.5	0.81	116.6	0.051	<1	1.72	0.005	0.38	<0.1	3.4	0.49	<0.02	<5	0.1	0.07
619277	Soil	19.1	45.1	0.82	148.2	0.161	<1	2.39	0.007	0.77	<0.1	4.0	0.48	<0.02	6	0.2	0.03
619280	Soil	47.5	39.4	0.79	184.3	0.112	<1	1.84	0.006	0.47	<0.1	2.6	0.43	<0.02	6	<0.1	<0.02
619281	Soil	33.7	51.4	1.08	137.9	0.161	<1	2.21	0.006	0.56	<0.1	5.3	0.64	<0.02	16	0.2	0.05
619282	Soil	20.2	28.8	0.65	126.6	0.090	<1	1.78	0.006	0.36	<0.1	3.2	0.41	<0.02	11	0.2	0.03
619283	Soil	28.9	40.7	0.99	109.1	0.143	<1	2.38	0.010	0.64	<0.1	3.7	0.63	<0.02	7	<0.1	0.06
619284	Soil	40.1	39.7	0.61	208.4	0.131	<1	1.51	0.007	0.57	0.1	5.3	0.21	<0.02	<5	0.2	0.03
619285	Soil	33.4	30.8	0.35	97.7	0.055	<1	1.57	0.005	0.11	<0.1	4.2	0.11	<0.02	10	0.1	0.08
619286	Soil	185.6	19.2	0.42	47.4	0.017	<1	1.42	0.003	0.12	<0.1	3.2	0.30	<0.02	18	0.2	0.05
619287	Soil	24.1	49.1	1.20	156.3	0.091	<1	3.42	0.009	0.36	<0.1	4.2	0.34	<0.02	24	0.2	0.03
619288	Soil	140.3	38.4	0.87	91.3	0.082	<1	2.22	0.007	0.37	<0.1	3.8	0.43	<0.02	6	0.2	0.04
619289	Soil	22.7	22.5	0.78	98.1	0.080	1	1.27	0.005	0.47	<0.1	2.5	0.44	<0.02	12	0.2	0.02
619290	Soil	11.4	34.4	0.94	100.5	0.097	<1	2.09	0.005	0.39	<0.1	3.0	0.54	<0.02	13	0.1	0.05
619291	Soil	67.2	13.1	0.41	31.1	0.008	<1	0.94	0.003	0.10	<0.1	2.4	0.18	<0.02	11	<0.1	0.02
619292	Soil	51.0	30.2	0.65	114.6	0.012	<1	1.62	0.006	0.12	<0.1	3.6	0.14	<0.02	23	0.2	0.02
619293	Soil	96.2	46.9	1.09	141.9	0.122	<1	2.24	0.006	0.65	<0.1	4.1	0.70	<0.02	<5	0.2	0.02
619294	Soil	15.0	54.4	1.11	130.6	0.165	<1	2.80	0.007	0.94	<0.1	4.5	0.93	<0.02	10	0.1	<0.02
619295	Soil	44.4	42.3	0.86	143.2	0.052	<1	1.91	0.005	0.42	<0.1	4.0	0.34	<0.02	<5	0.1	0.02
619298	Soil	29.9	14.0	0.40	48.5	0.006	<1	1.02	0.006	0.06	<0.1	3.3	0.05	<0.02	<5	0.2	0.04
619299	Soil	17.9	77.9	1.86	134.0	0.247	<1	3.58	0.029	1.59	<0.1	6.4	0.86	<0.02	8	0.1	0.02
619300	Soil	87.3	24.7	0.71	47.6	0.028	<1	1.49	0.005	0.22	<0.1	2.3	0.20	<0.02	<5	0.3	0.06
619297	Soil	33.4	20.8	0.44	77.4	0.008	<1	1.25	0.006	0.10	<0.1	3.7	0.08	<0.02	6	0.1	<0.02



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QUALITY CONTROL REPORT

WHI17000976.1

Method Analyte Unit MDL		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	%	%
		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																					
27715	Soil	0.37	5.90	4.00	31.8	23	8.7	5.3	328	2.02	2.8	1.8	0.5	15.6	16.1	0.05	0.33	0.40	17	0.24	0.060
REP 27715	QC	0.36	5.88	4.04	31.3	24	8.8	5.1	312	2.01	2.8	1.8	<0.2	15.4	15.5	0.05	0.32	0.40	17	0.24	0.062
27741	Soil	0.60	22.81	12.44	36.9	15	18.4	6.4	240	2.15	7.3	2.0	2.7	12.0	22.8	0.04	0.69	0.19	37	0.25	0.020
REP 27741	QC	0.58	22.18	12.42	35.7	16	18.0	6.4	229	2.12	7.2	1.9	2.9	11.7	20.9	0.05	0.69	0.21	36	0.25	0.019
27774	Soil	1.24	5.41	6.13	16.5	11	11.1	7.6	229	3.78	17.0	2.3	0.4	16.8	8.4	0.01	0.33	0.22	30	0.07	0.029
REP 27774	QC	1.19	5.26	6.10	17.5	10	11.5	7.8	232	3.87	17.1	2.4	0.4	17.0	8.5	0.02	0.36	0.21	31	0.07	0.033
28006	Soil	0.66	23.46	17.91	56.0	89	21.2	8.3	229	2.31	10.2	1.8	1.6	12.2	11.1	0.13	0.70	0.25	43	0.09	0.014
REP 28006	QC	0.70	24.17	18.44	55.6	94	22.3	8.5	237	2.34	10.3	1.7	3.0	12.6	11.4	0.13	0.73	0.27	45	0.09	0.014
619274	Soil	0.15	24.38	8.44	59.3	38	33.4	11.9	283	3.17	11.1	3.4	1.4	17.9	27.6	0.04	0.10	0.30	32	0.24	0.053
REP 619274	QC	0.14	24.78	8.42	61.8	38	34.2	11.9	279	3.16	11.3	3.5	1.4	19.0	28.0	0.03	0.10	0.32	31	0.23	0.055
619298	Soil	0.12	22.13	7.37	73.1	31	29.8	12.6	305	2.51	0.8	0.9	<0.2	9.9	537.0	0.02	0.08	0.33	11	8.66	0.065
REP 619298	QC	0.12	21.37	6.85	67.6	31	28.6	12.2	296	2.47	0.8	0.8	<0.2	9.5	521.2	0.02	0.07	0.32	10	8.33	0.058
Reference Materials																					
STD DS11	Standard	13.58	152.91	139.97	342.1	1693	77.2	13.3	1046	3.15	43.3	2.7	70.2	7.8	72.0	2.46	9.08	13.31	48	1.06	0.074
STD DS11	Standard	13.08	147.37	141.18	345.7	1714	73.0	13.3	998	3.17	42.7	2.6	79.2	7.5	69.0	2.30	8.61	12.82	48	1.06	0.079
STD DS11	Standard	12.63	151.60	140.58	336.8	1711	75.3	13.0	1043	3.08	42.8	2.6	77.2	7.7	72.3	2.25	8.94	13.30	52	1.04	0.070
STD DS11	Standard	13.55	150.55	142.37	343.8	1719	75.8	13.3	993	3.08	42.4	2.7	87.3	7.7	71.8	2.29	8.64	13.04	52	1.05	0.066
STD DS11	Standard	13.59	142.57	141.09	351.3	1744	77.6	12.9	1063	3.11	43.4	2.9	68.4	7.7	73.1	2.47	9.18	13.03	51	1.06	0.073
STD DS11	Standard	13.36	145.01	144.27	352.4	1766	76.8	13.4	1050	3.09	42.1	2.9	76.4	8.3	72.0	2.26	8.71	13.37	49	1.05	0.072
STD OXC129	Standard	1.16	26.52	5.99	41.1	12	77.0	19.6	403	3.07	0.4	0.7	197.2	1.8	191.0	0.03	0.03	0.03	49	0.66	0.105
STD OXC129	Standard	1.19	27.76	6.30	42.7	13	75.9	20.8	409	3.07	0.4	0.7	200.3	1.8	178.6	0.03	0.02	0.04	49	0.64	0.114
STD OXC129	Standard	1.13	26.71	5.89	40.7	11	72.9	19.6	417	2.95	0.3	0.7	195.7	1.7	178.3	0.02	0.03	<0.02	54	0.66	0.095
STD OXC129	Standard	1.17	26.61	5.99	40.2	9	76.3	19.9	408	2.95	0.4	0.7	194.6	1.7	186.8	0.03	0.03	0.02	53	0.67	0.095
STD OXC129	Standard	1.11	25.42	5.99	41.2	12	75.3	19.5	402	3.00	0.5	0.7	202.4	1.7	184.6	0.02	0.02	0.02	51	0.66	0.089
STD OXC129	Standard	1.19	25.32	6.35	38.6	7	75.2	19.3	440	3.01	0.5	0.8	205.4	1.9	195.8	0.02	0.03	<0.02	51	0.66	0.094
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	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
Pulp Duplicates																	
27715	Soil	45.7	17.7	0.40	211.1	0.042	<1	0.93	0.004	0.40	<0.1	4.5	0.43	<0.02	12	0.1	<0.02
REP 27715	QC	44.0	17.5	0.39	214.5	0.043	<1	0.92	0.004	0.40	0.2	4.6	0.40	<0.02	9	0.2	<0.02
27741	Soil	33.0	23.3	0.34	312.5	0.051	<1	1.31	0.010	0.10	0.1	4.3	0.10	<0.02	30	0.3	0.02
REP 27741	QC	32.6	22.3	0.33	312.9	0.050	<1	1.28	0.009	0.09	0.1	4.2	0.10	<0.02	25	0.4	0.02
27774	Soil	14.6	16.4	0.50	252.2	0.099	<1	1.91	0.006	0.76	<0.1	4.0	0.41	<0.02	<5	0.2	0.02
REP 27774	QC	14.3	16.8	0.51	245.7	0.105	<1	1.96	0.007	0.77	<0.1	4.3	0.40	<0.02	<5	0.1	0.03
28006	Soil	41.9	27.0	0.44	244.2	0.047	<1	1.67	0.007	0.06	0.2	4.0	0.10	<0.02	20	0.2	0.04
REP 28006	QC	42.9	26.8	0.44	251.8	0.049	1	1.69	0.007	0.06	0.2	3.8	0.12	<0.02	15	0.3	0.05
619274	Soil	70.0	31.5	0.67	105.0	0.040	<1	1.70	0.006	0.39	<0.1	4.3	0.20	<0.02	7	0.1	<0.02
REP 619274	QC	72.3	31.9	0.67	107.6	0.042	<1	1.67	0.006	0.38	<0.1	4.5	0.19	<0.02	10	0.2	0.02
619298	Soil	29.9	14.0	0.40	48.5	0.006	<1	1.02	0.006	0.06	<0.1	3.3	0.05	<0.02	<5	0.2	0.04
REP 619298	QC	28.3	13.9	0.41	46.9	0.006	<1	0.98	0.006	0.05	<0.1	3.0	0.06	<0.02	<5	<0.1	0.03
Reference Materials																	
STD DS11	Standard	20.1	55.5	0.84	387.3	0.096	7	1.19	0.075	0.41	3.1	3.4	4.91	0.27	280	2.2	4.76
STD DS11	Standard	18.8	57.5	0.83	363.5	0.091	8	1.14	0.073	0.40	3.0	3.4	5.00	0.27	257	2.2	4.67
STD DS11	Standard	18.9	57.7	0.83	363.4	0.093	8	1.14	0.070	0.40	3.2	3.2	5.01	0.27	266	2.3	4.66
STD DS11	Standard	19.2	54.9	0.84	362.7	0.095	7	1.16	0.070	0.40	2.9	3.2	4.95	0.27	270	2.2	4.63
STD DS11	Standard	19.5	56.0	0.84	394.7	0.098	7	1.16	0.072	0.41	3.3	3.4	5.00	0.27	279	2.2	4.71
STD DS11	Standard	18.2	57.1	0.83	383.7	0.090	9	1.16	0.069	0.40	2.9	3.2	4.95	0.28	284	1.9	4.80
STD OXC129	Standard	13.1	50.5	1.54	51.9	0.369	1	1.57	0.585	0.36	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02
STD OXC129	Standard	12.8	50.3	1.55	49.2	0.383	1	1.56	0.585	0.38	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02
STD OXC129	Standard	12.5	47.9	1.53	47.0	0.356	1	1.55	0.569	0.35	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02
STD OXC129	Standard	12.2	49.1	1.52	47.5	0.371	1	1.54	0.564	0.35	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02
STD OXC129	Standard	12.7	48.2	1.54	50.2	0.357	1	1.52	0.576	0.35	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02
STD OXC129	Standard	11.9	48.9	1.54	52.5	0.363	1	1.50	0.575	0.35	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02
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
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



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: Leota
Report Date: April 05, 2018

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000976.1

		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	%	%
		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	<0.1	<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	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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PHONE (604) 253-3158

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

Project: Leota
Report Date: April 05, 2018

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000976.1

		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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
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
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
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
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
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



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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

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 03, 2017
Report Date: April 20, 2018
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI17000990.1

CLIENT JOB INFORMATION

Project: LEOTA, RST
Shipment ID:
P.O. Number
Number of Samples: 64

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	56	Dry at 60C			WHI
SS80	56	Dry at 60C sieve 100g to -80 mesh		Completed	WHI
AQ252	56	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	56	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
Report Date: April 20, 2018

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000990.1

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Report Date: April 20, 2018

Part: 2 of 2

WHI17000990.1

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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

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000990.1

	Method Analyte Unit MDL	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	%	%
		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																					
238	Soil	0.19	38.95	7.53	65.3	36	50.6	21.4	295	2.56	1.4	0.9	<0.2	8.8	72.7	0.04	0.10	0.14	14	3.77	0.053
REP 238	QC	0.19	38.93	7.57	66.5	48	49.7	20.7	292	2.61	1.4	0.9	<0.2	9.0	72.0	0.03	0.12	0.15	15	3.80	0.051
559694	Soil	8.48	80.23	14.25	164.3	1204	57.6	9.3	335	2.48	28.7	1.2	8.1	5.0	19.4	0.88	0.54	0.22	32	0.16	0.015
REP 559694	QC	9.30	84.27	15.14	167.3	1278	60.2	9.8	349	2.53	31.0	1.3	7.1	5.4	21.8	0.94	0.54	0.22	32	0.16	0.016
Reference Materials																					
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	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	1.35	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	1.24	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	<0.1	<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



Bureau Veritas Commodities Canada Ltd.

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QUALITY CONTROL REPORT

WHI17000990.1

Method Analyte Unit MDL		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
Pulp Duplicates																		
238	Soil	24.1	20.9	0.62	39.1	0.040	<1	1.16	0.005	0.18	<0.1	2.3	0.27	<0.02	11	<0.1	0.03	3.5
REP 238	QC	23.8	20.7	0.62	40.1	0.040	<1	1.19	0.005	0.18	<0.1	2.4	0.26	<0.02	13	0.2	<0.02	3.3
559694	Soil	15.5	19.8	0.17	228.5	0.012	2	0.67	0.004	0.05	0.1	4.1	0.09	<0.02	68	4.9	0.08	1.9
REP 559694	QC	17.3	20.5	0.17	240.2	0.014	2	0.69	0.005	0.05	0.1	4.3	0.10	<0.02	72	5.3	0.08	2.1
Reference Materials																		
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	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	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	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	<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	<0.1	<0.02	<0.1



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

Submitted By: Boris Molak
Receiving Lab: Canada-Whitehorse
Received: October 03, 2017
Report Date: April 05, 2018
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000977.1

CLIENT JOB INFORMATION

Project: Leota
Shipment ID:
P.O. Number
Number of Samples: 323

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	305	Dry at 60C			WHI
SS80	305	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	302	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	305	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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Client: **Goldbank Mining Corp.**
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Vancouver British Columbia V6C 3B2 Canada

Project: Leota
Report Date: April 05, 2018

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Report Date: April 05, 2018

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#702 - 889 W. Pender St.
Vancouver British Columbia V6C 3B2 Canada

Project: Leota
Report Date: April 05, 2018

Page: 10 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

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

Project: Leota
Report Date: April 05, 2018

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Part: 2 of 2

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

WHI17000977.1

	Method	Analyte	Unit	MDL	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	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	
27962	Soil		0.76	21.23	10.59	43.9	105	17.7	7.7	255	2.24	9.3	0.7	4.1	4.7	27.3	0.05	0.83	0.17	41	0.34	0.039			
27963	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.			
27964	Soil		1.11	35.55	11.68	68.4	50	31.4	8.1	323	2.52	12.5	0.7	6.6	5.3	27.0	0.12	1.11	0.22	50	0.30	0.045			
27965	Soil		0.62	24.98	13.33	60.9	44	25.9	9.5	333	2.13	8.5	0.6	2.5	6.4	19.0	0.12	0.77	0.23	31	0.25	0.042			
27966	Soil		0.43	27.76	12.21	54.8	49	32.3	11.7	240	2.10	4.8	1.5	1.7	5.6	25.1	0.09	0.53	0.27	35	0.32	0.064			
27967	Soil		0.36	20.95	15.21	54.8	22	22.3	9.6	338	2.36	5.8	1.2	2.1	8.5	16.9	0.06	0.52	0.15	31	0.16	0.020			
27968	Soil		0.27	23.96	14.38	47.2	32	23.2	8.4	191	1.96	5.4	0.8	3.4	6.2	19.8	0.09	0.37	0.48	30	0.27	0.061			
27969	Soil		0.07	38.83	2.68	37.6	9	46.5	16.8	312	2.89	0.7	0.4	0.6	1.5	26.3	0.03	0.08	0.03	45	0.54	0.073			
27970	Soil		0.11	48.08	3.09	68.5	10	29.0	17.2	562	4.37	0.7	0.8	1.1	2.3	35.2	0.03	0.08	0.05	106	0.70	0.123			
27971	Soil		0.21	36.41	5.23	52.2	20	32.2	18.9	683	4.70	1.9	1.6	1.4	7.6	20.3	0.06	0.17	0.14	99	0.38	0.086			
27972	Soil		0.48	20.81	7.70	50.0	48	16.0	7.6	265	1.95	6.7	0.6	3.4	6.0	13.6	0.10	0.55	0.17	28	0.17	0.044			
27973	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.			
27974	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.			
27975	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.			
27976	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.			
27977	Soil		0.38	22.95	10.63	87.1	45	41.2	17.3	177	3.58	4.0	0.6	0.8	5.4	73.1	0.06	0.16	0.24	48	0.60	0.020			
27978	Soil		0.26	34.11	8.86	116.2	94	59.1	23.8	332	4.57	3.2	0.6	0.8	7.8	270.1	0.01	0.02	0.26	43	0.67	0.063			
27979	Soil		0.32	34.86	14.84	117.7	84	63.7	23.0	587	5.19	1.0	0.8	0.8	8.5	93.9	0.05	0.12	0.18	40	0.94	0.090			
27980	Soil		0.38	34.11	12.51	101.1	61	57.5	22.5	233	4.08	0.8	0.9	1.2	5.7	398.8	0.04	0.06	0.19	33	5.05	0.061			
27981	Soil		0.14	47.41	11.70	133.6	66	91.9	36.9	380	5.17	0.6	0.8	1.4	6.6	360.3	0.03	0.02	0.23	39	2.56	0.075			
27982	Soil		0.30	40.44	5.53	194.5	13	54.3	34.7	276	5.79	2.4	0.8	1.0	6.7	69.2	0.04	0.09	0.13	63	0.38	0.044			
27983	Soil		0.23	17.92	6.84	102.1	31	56.6	23.7	681	5.87	1.3	0.4	2.0	4.6	209.4	0.06	0.02	0.20	46	2.78	0.060			
27984	Soil		0.22	29.60	9.23	72.1	48	43.5	17.3	560	4.39	3.9	0.7	2.5	6.5	90.2	0.04	0.13	0.18	40	0.68	0.036			
27985	Soil		0.24	23.79	18.82	60.1	146	29.8	10.7	387	2.68	10.6	0.9	1.7	12.4	156.2	0.07	0.11	0.32	14	5.74	0.061			
27986	Soil		0.57	28.89	8.79	86.3	23	69.1	21.8	201	4.11	3.4	1.3	0.6	12.0	84.9	0.03	0.13	0.21	54	0.26	0.047			
27987	Soil		0.72	10.75	7.98	43.9	34	18.2	6.4	170	2.81	3.8	0.6	0.6	7.8	95.4	0.06	0.21	0.17	40	0.12	0.027			
27988	Soil		0.34	24.96	9.03	67.5	24	53.2	14.4	196	3.31	5.2	1.1	1.2	11.4	53.7	0.03	0.23	0.20	44	0.48	0.045			
27989	Soil		0.13	23.83	8.91	92.6	26	43.6	18.5	219	3.46	3.6	1.5	0.7	13.6	33.4	0.03	0.10	0.23	40	0.39	0.069			
27990	Soil		0.41	25.41	10.83	58.2	41	33.3	12.1	316	2.96	7.3	1.4	2.3	17.8	59.0	0.07	0.35	0.20	35	0.24	0.031			



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	Method Analyte Unit MDL	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
27962	Soil	17.9	22.1	0.34	331.1	0.057	2	1.48	0.008	0.04	0.1	3.7	0.07	<0.02	26	<0.1	0.03	3.9
27963	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.
27964	Soil	19.8	29.9	0.44	406.7	0.066	3	1.55	0.013	0.06	0.2	5.1	0.09	<0.02	56	<0.1	<0.02	4.5
27965	Soil	20.7	26.7	0.41	267.9	0.045	<1	1.24	0.006	0.11	0.1	3.5	0.13	<0.02	22	<0.1	0.02	3.7
27966	Soil	19.8	46.4	0.55	162.7	0.057	<1	1.25	0.006	0.14	0.1	3.7	0.12	<0.02	16	<0.1	0.04	3.7
27967	Soil	24.0	25.3	0.59	204.7	0.084	<1	1.51	0.004	0.27	<0.1	3.3	0.25	<0.02	11	<0.1	0.02	4.0
27968	Soil	22.2	31.8	0.61	168.3	0.059	<1	1.15	0.004	0.14	<0.1	3.6	0.13	<0.02	11	<0.1	0.03	3.8
27969	Soil	2.4	83.4	1.30	204.6	0.113	<1	1.88	0.011	0.38	<0.1	6.1	0.17	<0.02	<5	<0.1	<0.02	4.6
27970	Soil	6.4	81.1	1.28	386.4	0.113	<1	2.34	0.019	0.40	<0.1	13.6	0.23	<0.02	<5	<0.1	<0.02	7.6
27971	Soil	23.1	87.1	1.69	470.1	0.136	<1	2.67	0.008	0.66	<0.1	14.1	0.17	<0.02	12	<0.1	<0.02	10.6
27972	Soil	21.9	17.0	0.34	200.4	0.053	<1	1.01	0.004	0.14	<0.1	3.0	0.09	<0.02	19	<0.1	<0.02	3.4
27973	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.
27974	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.
27975	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.
27976	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.
27977	Soil	15.9	41.1	1.01	143.0	0.089	<1	2.52	0.019	0.14	<0.1	3.5	0.21	<0.02	<5	<0.1	0.04	8.6
27978	Soil	19.0	58.1	1.59	223.2	0.141	<1	3.09	0.031	0.69	<0.1	4.7	0.49	<0.02	7	<0.1	0.06	11.0
27979	Soil	25.1	58.0	1.54	123.2	0.059	<1	2.88	0.014	0.29	<0.1	4.7	0.22	<0.02	<5	<0.1	<0.02	9.5
27980	Soil	17.1	46.0	1.29	50.5	0.200	<1	3.32	0.008	0.56	0.2	4.0	0.30	<0.02	<5	<0.1	0.03	9.6
27981	Soil	25.9	61.4	1.77	113.6	0.173	<1	4.32	0.054	1.03	<0.1	6.8	0.86	<0.02	8	<0.1	0.04	11.5
27982	Soil	17.6	73.9	2.13	204.3	0.275	<1	4.31	0.032	1.59	<0.1	4.8	0.92	<0.02	9	<0.1	0.03	12.7
27983	Soil	9.3	63.1	3.31	340.3	0.271	<1	5.09	0.052	1.59	0.1	5.1	0.75	<0.02	9	<0.1	0.04	10.5
27984	Soil	19.7	51.1	1.23	224.0	0.187	<1	2.99	0.018	0.67	<0.1	5.6	0.31	<0.02	<5	<0.1	<0.02	8.0
27985	Soil	39.0	14.2	0.43	110.4	0.007	1	1.34	0.004	0.14	<0.1	2.5	0.21	<0.02	21	<0.1	0.03	3.6
27986	Soil	17.5	85.4	0.89	218.3	0.171	<1	2.59	0.009	0.83	<0.1	5.3	0.63	<0.02	<5	<0.1	0.05	8.4
27987	Soil	16.0	25.9	0.39	108.2	0.084	<1	1.32	0.005	0.37	<0.1	2.1	0.21	<0.02	18	<0.1	0.03	5.0
27988	Soil	21.9	61.0	0.76	171.6	0.108	<1	1.99	0.009	0.43	<0.1	4.8	0.34	<0.02	<5	<0.1	<0.02	6.3
27989	Soil	40.4	50.9	1.06	142.4	0.112	<1	2.34	0.006	0.61	<0.1	3.8	0.45	<0.02	5	<0.1	<0.02	8.0
27990	Soil	45.8	31.9	0.56	201.8	0.054	<1	1.65	0.010	0.18	<0.1	3.7	0.18	<0.02	13	<0.1	0.03	5.2



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QUALITY CONTROL REPORT

WHI17000977.1

Method Analyte Unit MDL		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	%	%
		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																					
662687	Soil	1.90	40.93	14.78	54.0	184	27.3	11.6	336	3.25	21.9	1.5	5.5	5.8	9.3	0.10	0.82	0.25	37	0.04	0.026
REP 662687	QC	1.86	40.22	14.24	53.3	187	26.8	11.1	337	3.22	20.6	1.4	5.8	5.6	9.5	0.09	0.79	0.24	37	0.04	0.023
0819	Soil	1.47	21.70	10.15	55.7	424	19.2	6.0	161	1.94	8.9	1.1	2.4	0.9	23.5	0.54	0.44	0.16	44	0.29	0.065
REP 0819	QC	1.51	21.75	10.19	56.4	429	20.1	5.9	168	1.97	9.0	1.1	4.4	0.9	24.0	0.48	0.48	0.17	45	0.30	0.066
0742	Soil	3.96	61.36	44.56	148.2	133	27.6	10.2	390	2.81	19.1	1.6	3.8	4.2	14.2	0.33	1.06	0.22	38	0.07	0.032
REP 0742	QC	3.80	59.78	43.18	144.7	122	27.4	10.1	374	2.75	18.6	1.6	3.4	3.9	14.3	0.34	1.13	0.23	38	0.07	0.031
28090	Soil	0.70	21.49	59.50	69.5	137	11.3	5.5	234	1.95	7.1	1.2	1.9	13.6	15.3	0.19	1.49	0.32	36	0.18	0.020
REP 28090	QC	0.71	21.82	59.67	67.8	132	12.1	5.4	231	1.97	7.3	1.2	2.0	13.7	15.0	0.17	1.45	0.30	36	0.18	0.018
28052	Soil	0.27	13.01	4.61	48.5	24	35.5	11.2	72	2.38	1.1	3.6	<0.2	17.9	7.7	0.02	0.10	0.33	48	0.08	0.048
REP 28052	QC	0.31	13.26	4.65	45.8	23	38.0	12.0	76	2.42	1.2	3.6	<0.2	18.6	7.9	0.03	0.10	0.36	49	0.08	0.048
27621	Soil	0.29	8.17	8.60	22.7	19	8.6	3.9	134	1.60	3.1	2.0	0.3	10.9	15.5	0.05	0.28	0.14	25	0.19	0.029
REP 27621	QC	0.30	8.09	8.81	24.0	16	9.1	4.1	133	1.58	3.3	2.1	1.4	11.8	15.6	0.03	0.28	0.15	24	0.19	0.028
27910	Soil	0.44	37.84	49.12	91.9	93	13.5	9.8	373	1.89	4.5	1.9	0.7	17.1	11.2	0.29	4.86	0.40	23	0.08	0.011
REP 27910	QC	0.38	38.11	50.30	92.5	91	13.0	10.3	370	1.89	4.5	2.0	1.4	17.3	11.2	0.27	4.95	0.41	23	0.08	0.011
27943	Soil	0.66	19.85	53.83	123.5	38	13.5	8.1	474	2.53	5.6	0.9	<0.2	17.0	12.9	0.25	0.45	0.28	35	0.16	0.048
REP 27943	QC	0.69	19.33	52.17	122.5	35	13.2	7.7	460	2.58	5.7	0.9	0.8	16.5	12.3	0.21	0.44	0.29	35	0.16	0.046
27969	Soil	0.07	38.83	2.68	37.6	9	46.5	16.8	312	2.89	0.7	0.4	0.6	1.5	26.3	0.03	0.08	0.03	45	0.54	0.073
REP 27969	QC	0.06	38.65	2.48	34.4	8	47.1	16.5	288	2.82	0.6	0.4	0.6	1.4	25.7	0.02	0.06	0.02	45	0.55	0.077
27676	Soil	0.66	66.66	50.87	345.7	127	3.8	2.9	427	1.67	4.6	1.9	0.6	15.0	23.0	1.06	1.16	0.59	7	0.05	0.024
REP 27676	QC	0.63	68.24	51.28	359.7	121	3.6	3.0	435	1.67	4.4	2.0	0.4	15.0	23.1	1.10	1.08	0.60	6	0.05	0.027
Reference Materials																					
STD DS11	Standard	13.45	153.52	141.58	359.7	1659	80.0	13.3	1032	3.08	43.7	2.7	74.6	7.7	70.9	2.31	8.65	13.08	52	1.04	0.066
STD DS11	Standard	13.71	145.01	140.38	338.8	1674	75.9	12.7	1036	3.01	42.5	2.7	67.9	7.5	69.9	2.30	8.80	12.76	49	1.05	0.067
STD DS11	Standard	14.41	154.55	142.06	364.2	1798	80.8	13.9	1043	3.21	43.6	2.8	76.1	8.0	73.5	2.26	9.02	13.25	53	1.07	0.072
STD DS11	Standard	13.27	142.81	127.29	330.0	1716	75.6	13.0	1069	3.13	42.8	2.4	66.9	7.2	69.2	2.39	8.50	11.75	51	1.06	0.070
STD DS11	Standard	13.48	147.93	126.04	322.9	1740	79.1	13.4	1055	3.08	43.3	2.4	105.8	7.2	69.5	2.28	7.89	11.84	49	1.08	0.068
STD DS11	Standard	13.34	147.32	138.90	357.1	1694	75.1	13.5	1089	3.21	44.3	2.6	67.3	7.4	71.8	2.26	8.58	12.95	51	1.07	0.072
STD DS11	Standard	13.25	150.06	139.52	342.2	1739	78.5	13.9	1010	3.15	42.6	2.5	69.0	7.4	68.6	2.42	8.65	12.84	52	1.05	0.067



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Goldbank Mining Corp.

#702 - 889 W. Pender St.

Vancouver British Columbia V6C 3B2 Canada

Project:

Leota

Report Date:

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QUALITY CONTROL REPORT

WHI17000977.1

Method Analyte Unit MDL		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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
Pulp Duplicates																	
662687	Soil	20.2	19.4	0.25	195.0	0.026	<1	1.25	0.005	0.04	0.2	5.5	0.09	<0.02	34	1.9	0.15
REP 662687	QC	19.1	19.4	0.25	186.7	0.025	<1	1.24	0.005	0.04	0.2	5.0	0.09	<0.02	49	1.8	0.14
0819	Soil	16.7	24.4	0.33	295.9	0.029	<1	1.43	0.008	0.04	0.2	2.6	0.09	<0.02	43	1.6	0.04
REP 0819	QC	17.0	24.6	0.33	295.8	0.031	<1	1.45	0.009	0.04	0.2	2.7	0.09	<0.02	34	1.3	0.04
0742	Soil	18.5	21.3	0.26	202.0	0.038	<1	1.24	0.005	0.03	0.1	4.0	0.10	<0.02	24	1.7	0.08
REP 0742	QC	17.7	21.0	0.25	201.3	0.036	<1	1.21	0.005	0.03	0.1	4.1	0.10	<0.02	30	1.4	0.08
28090	Soil	37.2	23.8	0.38	638.1	0.037	<1	1.42	0.007	0.08	0.1	3.2	0.12	<0.02	106	0.4	<0.02
REP 28090	QC	37.8	23.6	0.38	644.7	0.038	<1	1.45	0.008	0.08	0.2	3.2	0.12	<0.02	89	0.3	0.02
28052	Soil	149.9	43.3	0.71	102.5	0.103	<1	1.86	0.006	0.48	<0.1	3.9	0.37	<0.02	6	<0.1	<0.02
REP 28052	QC	153.8	44.4	0.72	103.4	0.106	<1	1.90	0.006	0.49	<0.1	4.0	0.39	<0.02	6	<0.1	0.02
27621	Soil	32.5	17.6	0.31	159.3	0.049	<1	0.97	0.007	0.18	0.1	2.4	0.12	<0.02	6	0.2	<0.02
REP 27621	QC	32.8	17.7	0.31	169.6	0.050	<1	0.97	0.007	0.17	0.1	2.5	0.13	<0.02	8	0.2	<0.02
27910	Soil	41.1	27.0	0.30	586.0	0.018	2	1.02	0.004	0.14	<0.1	5.8	0.20	<0.02	206	0.2	<0.02
REP 27910	QC	41.4	27.4	0.31	584.7	0.018	2	1.04	0.004	0.14	<0.1	5.8	0.21	<0.02	214	0.3	<0.02
27943	Soil	44.3	19.6	0.55	370.7	0.073	<1	1.55	0.006	0.31	0.1	6.2	0.37	<0.02	7	0.2	0.02
REP 27943	QC	43.8	18.8	0.55	368.9	0.071	<1	1.54	0.006	0.31	0.1	6.2	0.36	<0.02	10	0.3	0.02
27969	Soil	2.4	83.4	1.30	204.6	0.113	<1	1.88	0.011	0.38	<0.1	6.1	0.17	<0.02	<5	<0.1	<0.02
REP 27969	QC	2.4	82.4	1.25	198.7	0.109	<1	1.87	0.011	0.37	<0.1	5.8	0.15	<0.02	<5	<0.1	<0.02
27676	Soil	44.6	6.4	0.22	2272.2	0.015	<1	0.74	0.002	0.17	<0.1	2.4	0.17	0.05	74	0.4	0.02
REP 27676	QC	44.6	6.3	0.23	2317.6	0.016	1	0.75	0.002	0.17	<0.1	2.5	0.17	0.05	66	0.3	0.04
Reference Materials																	
STD DS11	Standard	19.3	59.3	0.85	371.2	0.094	7	1.15	0.069	0.40	3.1	3.4	4.97	0.27	270	2.3	4.74
STD DS11	Standard	19.5	54.8	0.84	374.3	0.095	7	1.18	0.071	0.40	3.0	3.2	4.87	0.27	272	2.3	4.60
STD DS11	Standard	20.3	61.0	0.86	381.2	0.102	7	1.21	0.077	0.41	3.3	3.2	5.15	0.29	259	2.4	4.66
STD DS11	Standard	18.7	59.1	0.84	362.9	0.094	5	1.16	0.069	0.39	3.1	3.3	4.83	0.28	254	2.0	4.48
STD DS11	Standard	18.7	59.6	0.85	371.1	0.094	6	1.19	0.071	0.40	2.8	3.1	4.80	0.28	265	2.2	4.58
STD DS11	Standard	18.8	59.2	0.85	362.6	0.097	8	1.16	0.069	0.40	3.1	3.3	4.98	0.28	255	2.4	4.64
STD DS11	Standard	17.7	58.0	0.82	365.5	0.093	7	1.11	0.073	0.40	3.1	3.0	5.04	0.29	280	2.1	4.67



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QUALITY CONTROL REPORT

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		AQ252 Mo ppm 0.01	AQ252 Cu ppm 0.01	AQ252 Pb ppm 0.01	AQ252 Zn ppm 0.1	AQ252 Ag ppb 2	AQ252 Ni ppm 0.1	AQ252 Co ppm 0.1	AQ252 Mn ppm 1	AQ252 Fe % 0.01	AQ252 As ppm 0.1	AQ252 U ppm 0.1	AQ252 Au ppb 0.2	AQ252 Th ppm 0.1	AQ252 Sr ppm 0.5	AQ252 Cd ppm 0.01	AQ252 Sb ppm 0.02	AQ252 Bi ppm 0.02	AQ252 V ppm 2	AQ252 Ca % 0.01	AQ252 P % 0.001
STD DS11	Standard	14.22	152.11	143.90	359.6	1718	80.0	13.3	1101	3.24	43.4	2.7	99.1	8.3	77.0	2.30	9.04	13.04	51	1.10	0.071
STD DS11	Standard	13.17	145.04	133.73	334.3	1748	75.5	13.4	979	3.15	44.2	2.5	89.6	7.4	70.3	2.39	8.53	12.25	49	1.06	0.069
STD DS11	Standard	13.87	150.56	127.39	332.4	1657	81.0	13.5	1066	3.29	43.1	2.5	76.8	7.6	75.3	2.37	8.24	11.98	50	1.10	0.069
STD OXC129	Standard	1.28	27.40	6.26	42.2	12	79.7	20.0	421	2.99	0.5	0.7	212.4	1.7	191.4	0.03	0.04	<0.02	54	0.67	0.100
STD OXC129	Standard	1.16	26.00	5.82	40.3	12	77.2	18.9	400	2.91	0.5	0.7	199.7	1.7	182.8	0.03	0.04	0.03	50	0.66	0.101
STD OXC129	Standard	1.28	26.07	6.09	42.1	13	78.6	20.5	426	3.09	0.3	0.7	198.3	1.8	200.8	0.03	0.03	0.03	55	0.75	0.103
STD OXC129	Standard	1.13	26.56	5.66	38.8	20	78.8	20.2	416	3.11	0.6	0.6	195.3	1.7	190.9	<0.01	0.04	<0.02	53	0.72	0.097
STD OXC129	Standard	1.18	26.35	5.51	40.9	10	78.1	20.6	415	3.03	0.7	0.6	194.3	1.7	190.8	<0.01	0.04	<0.02	52	0.72	0.099
STD OXC129	Standard	1.21	26.32	6.17	42.1	10	79.1	20.1	419	3.12	0.8	0.7	198.5	1.8	193.1	0.03	0.03	0.04	54	0.70	0.102
STD OXC129	Standard	1.16	26.27	5.99	41.7	9	75.7	19.5	419	3.01	0.5	0.6	197.8	1.7	184.3	0.02	0.02	0.02	53	0.65	0.095
STD OXC129	Standard	1.24	26.72	6.20	42.3	7	77.3	20.6	449	3.12	0.4	0.7	197.9	1.7	206.4	0.02	0.02	0.02	53	0.81	0.094
STD OXC129	Standard	1.21	27.39	6.13	42.4	9	78.5	20.2	419	3.05	0.5	0.7	201.2	1.7	201.0	<0.01	0.04	<0.02	51	0.68	0.095
STD OXC129	Standard	1.10	26.86	5.90	43.0	21	79.1	20.6	418	3.19	0.4	0.7	188.0	1.7	216.2	0.02	0.02	<0.02	52	0.78	0.093
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	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<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	0.03	0.07	<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	<0.1	<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	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		AQ252 La ppm 0.5	AQ252 Cr ppm 0.5	AQ252 Mg % 0.01	AQ252 Ba ppm 0.5	AQ252 Ti % 0.001	AQ252 B ppm 1	AQ252 Al % 0.01	AQ252 Na % 0.001	AQ252 K % 0.01	AQ252 W ppm 0.1	AQ252 Sc ppm 0.1	AQ252 Ti ppm 0.02	AQ252 S % 0.02	AQ252 Hg ppb 5	AQ252 Se ppm 0.1	AQ252 Te ppm 0.02	AQ252 Ga ppm 0.1
STD DS11	Standard	20.6	58.9	0.86	389.9	0.103	8	1.22	0.072	0.41	3.2	3.5	5.18	0.28	269	2.3	4.71	5.4
STD DS11	Standard	18.3	56.4	0.84	382.5	0.089	6	1.16	0.069	0.40	3.2	3.1	4.87	0.28	279	2.4	4.64	4.6
STD DS11	Standard	20.6	61.3	0.87	378.7	0.102	6	1.29	0.079	0.43	3.0	3.5	4.92	0.27	275	2.2	4.57	5.0
STD OXC129	Standard	13.2	51.1	1.54	51.1	0.402	<1	1.54	0.562	0.35	<0.1	1.0	0.03	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	12.3	50.6	1.51	50.6	0.367	1	1.53	0.566	0.35	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.4
STD OXC129	Standard	13.3	52.4	1.58	51.3	0.393	<1	1.67	0.598	0.37	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	6.0
STD OXC129	Standard	12.2	54.6	1.60	47.5	0.405	<1	1.57	0.595	0.36	<0.1	0.8	0.03	<0.02	<5	<0.1	<0.02	5.3
STD OXC129	Standard	12.2	52.4	1.57	48.7	0.405	<1	1.61	0.579	0.36	<0.1	0.7	0.03	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	12.8	53.6	1.58	50.3	0.410	1	1.56	0.586	0.37	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	5.8
STD OXC129	Standard	12.4	50.6	1.55	49.3	0.377	<1	1.55	0.578	0.36	<0.1	1.1	0.04	<0.02	<5	<0.1	<0.02	5.1
STD OXC129	Standard	12.8	53.4	1.60	50.2	0.406	1	1.68	0.610	0.37	<0.1	1.2	0.04	<0.02	<5	<0.1	<0.02	5.8
STD OXC129	Standard	13.1	52.3	1.57	53.4	0.384	<1	1.56	0.592	0.36	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.5
STD OXC129	Standard	13.0	54.1	1.58	53.0	0.397	<1	1.69	0.615	0.38	<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	<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
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 03, 2017
Report Date: April 05, 2018
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI17000975.1

CLIENT JOB INFORMATION

Project: Leota
Shipment ID:
P.O. Number
Number of Samples: 76

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.
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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	76	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	76	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	76	Environmental disposal charge-Fire assay lead waste			VAN
AQ202	76	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	76	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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PHONE (604) 253-3158

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

Project: Leota
Report Date: April 05, 2018

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CERTIFICATE OF ANALYSIS

WHI17000975.1

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



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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
619253	Rock	1.04	<0.005	0.2	10.2	1.5	29	<0.1	13.1	4.3	141	1.65	0.5	1.4	9.6	3	<0.1	<0.1	0.3	19	0.07
619254	Rock	1.10	<0.005	0.2	2.1	0.2	25	<0.1	8.2	3.1	55	0.65	5.8	1.6	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01
619255	Rock	0.99	<0.005	0.1	24.3	3.3	66	<0.1	34.3	16.6	269	2.23	64.3	1.1	14.9	9	<0.1	<0.1	0.2	16	0.10
619256	Rock	1.19	<0.005	0.6	36.3	2.4	57	<0.1	30.0	11.9	131	3.50	1.7	0.9	9.5	9	<0.1	<0.1	0.2	57	0.08
619278	Rock	1.46	<0.005	<0.1	0.9	<0.1	1	<0.1	0.9	0.3	36	0.29	0.5	1.7	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
619279	Rock	1.28	<0.005	0.3	17.4	8.4	47	<0.1	26.8	12.4	582	2.73	0.7	1.3	4.3	135	<0.1	<0.1	0.1	16	12.75

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	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	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	
619253	Rock	0.021	13	23	0.47	44	0.056	<1	0.95	0.042	0.34	<0.1	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2		
619254	Rock	0.001	<1	4	0.26	3	0.003	<1	0.29	<0.001	0.02	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2		
619255	Rock	0.033	39	22	0.83	59	0.053	1	1.67	0.036	0.48	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2		
619256	Rock	0.023	29	72	1.53	178	0.169	<1	2.47	0.052	1.18	<0.1	<0.01	10.0	0.5	<0.05	11	<0.5	<0.2		
619278	Rock	<0.001	<1	3	0.02	2	0.002	<1	0.03	0.001	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2		
619279	Rock	0.042	14	26	0.62	101	0.096	<1	1.49	0.030	0.59	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2		

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QUALITY CONTROL REPORT

WHI17000975.1

	Method Analyte Unit MDL	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
REP 27692	QC			0.3	4.2	4.2	47	<0.1	28.5	10.2	270	2.43	0.9	0.9	17.2	19	<0.1	<0.1	0.3	39	0.24
27874	Rock	1.45	<0.005	0.2	22.0	16.7	23	0.1	41.7	15.0	1247	2.13	1.2	1.4	<0.1	177	0.7	<0.1	0.1	53	8.70
REP 27874	QC	<0.005																			
27877	Rock	1.28	0.009	2.6	56.1	18.7	99	1.0	52.0	15.2	439	8.90	15.3	<0.5	4.8	30	0.5	1.0	0.5	13	1.61
REP 27877	QC			2.8	55.6	19.2	92	1.0	47.1	14.1	463	8.99	15.1	0.7	4.6	30	0.5	1.1	0.4	13	1.66
28076	Rock	2.29	<0.005	0.1	9.2	0.5	7	<0.1	5.4	8.4	70	0.60	<0.5	0.5	0.5	1	<0.1	<0.1	<0.1	<2	<0.01
REP 28076	QC	<0.005																			
28075	Rock	1.74	<0.005	0.5	45.3	5.6	7	<0.1	19.5	6.9	111	1.62	<0.5	0.6	1.1	67	<0.1	<0.1	0.5	7	0.38
REP 28075	QC			0.5	48.6	6.0	8	<0.1	20.4	6.6	102	1.58	0.9	1.6	1.0	74	<0.1	<0.1	0.6	7	0.37
619256	Rock	1.19	<0.005	0.6	36.3	2.4	57	<0.1	30.0	11.9	131	3.50	1.7	0.9	9.5	9	<0.1	<0.1	0.2	57	0.08
REP 619256	QC	<0.005																			
Core Reject Duplicates																					
27692	Rock	1.86	<0.005	0.3	4.4	4.1	42	<0.1	27.0	10.0	283	2.48	0.6	0.6	17.9	20	<0.1	<0.1	0.3	40	0.25
DUP 27692	QC		<0.005	0.2	4.2	4.0	41	<0.1	27.0	9.6	283	2.42	0.6	0.6	17.4	17	<0.1	<0.1	0.3	40	0.22
27880	Rock	1.63	0.007	<0.1	4.1	17.3	31	0.2	2.1	2.9	240	0.75	0.5	7.2	15.2	4	<0.1	0.5	0.2	<2	0.07
DUP 27880	QC		0.008	<0.1	4.0	18.2	28	0.3	2.2	2.6	243	0.73	<0.5	10.1	15.9	4	<0.1	0.7	0.2	<2	0.07
619279	Rock	1.28	<0.005	0.3	17.4	8.4	47	<0.1	26.8	12.4	582	2.73	0.7	1.3	4.3	135	<0.1	<0.1	0.1	16	12.75
DUP 619279	QC		<0.005	0.3	16.4	8.9	51	<0.1	25.1	11.8	593	2.74	0.6	1.0	4.3	138	<0.1	<0.1	0.1	16	12.74
Reference Materials																					
STD AGPROOF	Standard																				
STD DS11	Standard			12.5	149.3	129.5	355	1.7	77.5	12.3	1045	3.14	39.7	72.0	7.1	62	2.4	7.3	11.2	48	1.06
STD DS11	Standard			13.0	153.7	128.3	344	1.7	86.2	15.7	1069	3.27	43.2	68.5	6.9	65	2.2	7.4	11.5	51	1.06
STD DS11	Standard			13.6	144.9	128.8	332	1.7	71.1	12.9	1056	3.10	41.9	77.9	7.3	67	2.4	7.4	12.0	48	1.06
STD OXC129	Standard			1.2	30.0	6.0	46	<0.1	81.1	20.9	422	3.10	0.5	185.8	1.9	181	<0.1	<0.1	<0.1	51	0.68
STD OXC129	Standard			1.3	28.8	6.3	40	<0.1	84.2	21.1	450	3.16	0.5	196.5	1.7	178	<0.1	<0.1	<0.1	53	0.70
STD OXC129	Standard			1.4	28.5	5.9	41	<0.1	79.9	21.1	424	3.05	0.7	198.9	1.6	195	<0.1	<0.1	<0.1	50	0.66
STD OXC145	Standard		0.213																		
STD OXC145	Standard		0.205																		



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QUALITY CONTROL REPORT

WHI17000975.1

	Method	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																				
REP 27692	QC	0.011	38	53	0.73	103	0.125	<1	1.54	0.107	0.58	<0.1	<0.01	5.3	0.3	<0.05	6	<0.5	<0.2	
27874	Rock	0.051	2	66	1.57	15	0.025	<1	1.39	0.063	0.02	<0.1	<0.01	11.0	<0.1	0.12	4	<0.5	<0.2	
REP 27874																				
27877	Rock	0.048	5	10	0.59	14	<0.001	2	0.46	0.014	0.24	<0.1	<0.01	2.4	1.1	8.35	2	19.2	0.2	
REP 27877	QC	0.044	5	9	0.58	14	<0.001	<1	0.44	0.014	0.24	<0.1	<0.01	2.6	1.1	8.38	1	18.4	0.2	
28076	Rock	0.001	2	3	0.05	6	0.008	1	0.13	0.002	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2	
REP 28076																				
28075	Rock	0.098	8	10	0.11	32	0.006	2	0.72	0.110	0.12	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2	
REP 28075	QC	0.110	8	10	0.11	34	0.006	1	0.69	0.103	0.12	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2	
619256	Rock	0.023	29	72	1.53	178	0.169	<1	2.47	0.052	1.18	<0.1	<0.01	10.0	0.5	<0.05	11	<0.5	<0.2	
REP 619256																				
Core Reject Duplicates																				
27692	Rock	0.010	40	57	0.74	111	0.126	<1	1.59	0.113	0.59	<0.1	<0.01	5.1	0.2	<0.05	6	<0.5	<0.2	
DUP 27692	QC	0.011	40	55	0.73	108	0.115	<1	1.53	0.095	0.58	<0.1	<0.01	5.6	0.3	<0.05	6	<0.5	<0.2	
27880	Rock	0.030	43	3	0.17	176	0.019	<1	0.50	0.033	0.41	<0.1	0.07	1.1	0.2	<0.05	2	<0.5	<0.2	
DUP 27880	QC	0.029	43	3	0.15	179	0.016	<1	0.49	0.032	0.39	<0.1	0.09	1.3	0.1	<0.05	2	<0.5	<0.2	
619279	Rock	0.042	14	26	0.62	101	0.096	<1	1.49	0.030	0.59	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2	
DUP 619279	QC	0.042	14	26	0.62	95	0.091	<1	1.38	0.028	0.58	<0.1	<0.01	3.3	0.2	<0.05	4	<0.5	<0.2	
Reference Materials																				
STD AGPROOF	Standard																			
STD DS11	Standard	0.068	18	58	0.85	339	0.090	9	1.17	0.073	0.41	2.8	0.24	3.6	4.7	0.28	5	1.9	4.4	<0.9
STD DS11	Standard	0.066	19	61	0.85	367	0.093	7	1.20	0.075	0.41	2.3	0.23	3.5	4.2	0.29	5	2.4	4.4	
STD DS11	Standard	0.069	18	61	0.83	358	0.095	8	1.15	0.072	0.40	2.7	0.25	3.3	4.7	0.27	5	2.0	4.3	
STD OXC129	Standard	0.103	13	52	1.55	50	0.403	<1	1.59	0.585	0.37	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	0.096	12	56	1.57	52	0.415	<1	1.60	0.602	0.37	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2	
STD OXC129	Standard	0.102	13	54	1.54	52	0.415	2	1.54	0.593	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2	
STD OXC145	Standard																			
STD OXC145	Standard																			



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QUALITY CONTROL REPORT

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		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
STD OXH139	Standard	1.335																			
STD OXH139	Standard	1.283																			
STD OXN117	Standard	7.467																			
STD OXN117	Standard	7.712																			
STD SP49	Standard																				
STD SQ70	Standard																				
STD OXN117 Expected		7.679																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD OXC129 Expected		1.3286.242.979.520.34213.0650.61951.9510.684																			
STD DS11 Expected		14.61491383451.7177.714.210553.142.8797.6567.32.378.7412.2501.063																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank																				
BLK	Blank	<0.1<0.1<0.1<1<0.1<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	<0.0050.74.51.232<0.11.34.25661.811.90.72.229<0.1<0.1<0.1230.70																			
ROCK-WHI	Prep Blank	<0.0050.94.21.133<0.11.33.85561.791.4<0.52.227<0.1<0.1<0.1220.64																			



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QUALITY CONTROL REPORT

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		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
STD OXH139	Standard																			
STD OXH139	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD SP49	Standard	18.0																		
STD SQ70	Standard	39.7																		
STD OXN117 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																			
BLK	Blank																			
BLK	Blank	<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	
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	0.041	7	5	0.47	61	0.081	2	1.09	0.132	0.13	<0.1	<0.01	3.5	<0.1	0.06	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.040	7	4	0.46	66	0.090	<1	1.04	0.143	0.13	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2	



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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

Submitted By: Boris Molak

Receiving Lab: Canada-Whitehorse

Received: October 03, 2017

Report Date: April 20, 2018

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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.

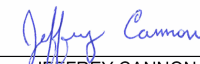
Invoice To: XyQuest Mining Corp.
702-889 Pender Street W
Vancouver British Columbia V6C 3B2
Canada

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.

PHONE (604) 253-3158

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

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QUALITY CONTROL REPORT

WHI17000989.1

Method Analyte Unit MDL		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	%	%
		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



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Project:

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Report Date:

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QUALITY CONTROL REPORT

WHI17000989.1

Method Analyte Unit MDL		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
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
STD OXC129	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
STD OXC129	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



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

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Part: 1 of 2

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
		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
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
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
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
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
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
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
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
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
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
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	0.03	<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
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	0.01	<0.02	0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<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
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<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
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	0.002
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
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



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Client:

XyQuest Mining Corp.

702-889 Pender Street W

Vancouver British Columbia V6C 3B2 Canada

Project:

LEOTA, RST

Report Date:

April 20, 2018

Page:

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Part:

2 of 2

QUALITY CONTROL REPORT

WHI17000989.1

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



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Vancouver British Columbia V6C 3B2 Canada

Submitted By: Boris Molak

Receiving Lab: Canada-Whitehorse

Received: September 19, 2016

Report Date: October 04, 2016

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CERTIFICATE OF ANALYSIS

WHI16000288.1

CLIENT JOB INFORMATION

Project: Kate
Shipment ID: BV16-07
P.O. Number
Number of Samples: 202

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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 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
Dry at 60C	202	Dry at 60C			WHI
SS80	202	Dry at 60C sieve 100g to -80 mesh			WHI
AQ252	183	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
SHP01	202	Per sample shipping charges for branch shipments			VAN
AQ251	19	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. 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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Report Date: October 04, 2016

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Part: 1 of 4

CERTIFICATE OF ANALYSIS

WHI16000288.1

	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	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
186	Soil	0.16	82.94	6.70	81.4	109	69.5	33.8	742	4.48	25.5	1.3	1.4	20.9	23.1	<0.01	0.33	0.21	18	1.11	0.078
187	Soil	0.14	52.76	13.68	50.4	52	56.1	21.5	363	2.93	1.3	1.2	1.2	9.5	123.9	0.02	0.07	0.22	11	6.44	0.070
188	Soil	0.08	40.09	4.48	69.3	29	50.2	20.3	184	2.35	0.6	0.9	0.9	9.9	27.9	0.02	0.07	0.14	11	0.76	0.054
189	Soil	0.43	70.05	4.77	89.2	7	68.4	30.4	135	3.85	2.5	1.3	0.6	14.3	12.2	0.01	0.17	0.23	38	0.13	0.056
190	Soil	0.50	39.70	4.02	62.1	6	35.8	17.1	81	2.66	2.7	0.9	4.2	4.5	5.1	0.02	0.22	0.27	22	0.04	0.020
191	Soil	0.13	28.37	7.18	74.6	53	42.8	18.8	384	3.71	0.6	1.0	2.5	6.9	61.5	<0.01	0.05	0.08	12	2.59	0.043
192	Soil	0.32	46.15	4.62	93.4	34	65.1	25.6	199	3.87	1.2	0.9	1.3	6.9	46.1	0.01	0.09	0.08	20	0.29	0.038
193	Soil	0.17	18.07	15.38	38.1	37	31.7	13.4	584	2.72	0.6	0.9	0.7	3.0	1075.1	0.05	0.04	0.08	6	17.63	0.076
194	Soil	0.15	24.70	6.84	81.5	15	49.1	18.8	284	3.12	0.4	0.7	2.7	12.9	155.3	0.04	0.08	0.21	19	4.30	0.044
195	Soil	0.12	28.21	7.76	83.7	61	41.4	15.7	405	3.02	0.8	0.4	1.8	3.8	194.9	0.05	0.07	0.09	27	2.33	0.060
196	Soil	0.25	23.35	9.34	49.3	51	31.9	12.7	510	2.78	1.8	0.7	2.1	4.7	106.0	0.03	0.10	0.10	16	3.56	0.032
197	Soil	0.35	37.38	7.41	73.4	12	45.7	22.2	211	3.56	2.9	0.8	0.9	4.9	39.3	0.03	0.13	0.18	29	0.28	0.027
198	Soil	0.20	24.57	12.76	37.5	47	29.9	13.6	499	2.90	1.2	0.8	1.5	6.5	154.0	0.02	0.06	0.14	11	6.24	0.055
199	Soil	0.18	20.13	14.13	78.1	52	35.2	12.9	615	3.82	1.1	1.0	0.8	10.1	77.6	0.05	0.07	0.21	21	0.89	0.043
200	Soil	0.10	22.72	4.22	66.8	23	35.4	16.7	320	3.05	0.8	0.4	1.1	5.6	115.2	0.01	0.07	0.08	26	1.59	0.043
201	Soil	0.12	35.81	8.00	62.5	23	49.3	21.1	386	2.46	1.3	0.6	1.9	6.2	92.3	0.09	0.17	0.15	14	4.37	0.075
202	Soil	0.17	43.83	9.14	81.0	33	54.5	24.5	264	2.74	1.7	0.7	0.7	10.2	55.6	0.05	0.17	0.23	13	1.70	0.076
203	Soil	0.21	43.06	12.22	88.7	71	62.1	25.7	761	3.31	1.6	0.7	0.6	8.9	38.9	0.11	0.25	0.21	16	1.32	0.079
204	Soil	0.28	72.18	9.15	98.5	20	83.3	32.6	432	3.52	1.7	0.7	0.5	10.5	30.3	0.05	0.17	0.24	23	0.38	0.052
205	Soil	0.84	52.38	5.63	85.3	28	47.5	21.2	138	3.31	1.6	2.0	2.1	15.1	29.9	0.03	0.24	0.43	21	0.09	0.042
206	Soil	0.38	69.07	5.62	85.8	47	105.5	37.9	453	3.40	0.1	1.3	1.3	13.8	27.7	0.03	0.12	0.26	15	0.80	0.113
207	Soil	0.26	32.79	9.55	71.1	64	46.6	19.0	305	2.84	3.2	0.6	1.6	5.7	206.3	0.10	0.23	0.16	24	3.41	0.070
208	Soil	0.14	43.65	8.74	77.1	36	57.5	22.8	378	3.46	1.8	0.6	1.3	7.8	109.3	0.06	0.08	0.15	19	1.91	0.084
209	Soil	0.13	30.11	4.68	79.1	260	41.3	18.4	208	3.22	0.6	0.5	1.0	4.0	102.4	0.03	0.07	0.07	20	3.75	0.057
210	Soil	0.08	25.04	9.23	63.7	46	37.4	15.2	281	2.77	0.2	0.5	<0.2	5.5	813.1	<0.01	0.07	0.10	14	4.81	0.068
211	Soil	0.15	30.76	11.71	52.0	51	45.2	17.4	494	3.56	1.1	1.0	<0.2	8.8	176.3	0.06	0.07	0.20	14	7.32	0.070
212	Soil	0.05	20.13	6.00	51.4	22	27.7	13.7	317	2.45	0.4	0.4	0.6	5.5	223.2	0.02	0.05	0.08	12	5.05	0.045
213	Soil	0.17	154.75	6.18	58.5	40	99.6	28.0	477	4.38	1.0	0.4	0.7	4.4	50.8	0.05	0.04	0.08	79	0.98	0.102



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Project: Kate
Report Date: October 04, 2016

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Part: 2 of 4

CERTIFICATE OF ANALYSIS

WHI16000288.1

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ251	AQ251	AQ251
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Mo	Cu	Pb
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01	0.01
186	Soil	53.1	34.1	0.94	61.0	0.003	<1	2.05	0.004	0.06	<0.1	4.2	0.06	<0.02	<5	0.1	0.04	5.2		
187	Soil	26.8	18.6	0.50	40.3	0.009	<1	1.03	0.004	0.06	<0.1	3.6	0.11	<0.02	14	0.2	0.05	3.3		
188	Soil	26.6	15.4	0.47	32.2	0.032	<1	0.96	0.004	0.12	<0.1	2.1	0.30	<0.02	<5	<0.1	0.04	2.8		
189	Soil	47.3	41.0	1.27	92.7	0.040	<1	2.47	0.004	0.08	<0.1	2.8	0.22	<0.02	<5	0.4	0.10	6.1		
190	Soil	19.2	24.6	0.56	81.5	0.015	<1	1.70	0.004	0.03	<0.1	2.0	0.05	<0.02	9	<0.1	0.07	4.8		
191	Soil	21.5	16.9	0.58	36.6	0.056	<1	1.23	0.004	0.26	<0.1	3.0	0.40	<0.02	13	<0.1	0.04	3.1		
192	Soil	26.3	26.7	0.67	58.1	0.061	<1	1.36	0.006	0.23	<0.1	3.9	0.34	<0.02	16	<0.1	0.02	4.1		
193	Soil	16.0	7.1	0.33	33.9	0.009	<1	0.55	0.004	0.05	<0.1	3.8	0.07	<0.02	<5	0.3	<0.02	1.3		
194	Soil	32.7	25.1	0.79	65.0	0.008	3	1.42	0.004	0.05	<0.1	2.8	0.07	<0.02	7	<0.1	<0.02	4.9		
195	Soil	10.2	38.8	0.86	114.8	0.104	<1	1.89	0.009	0.43	<0.1	3.6	0.33	<0.02	15	<0.1	0.02	5.3		
196	Soil	14.2	18.4	0.53	75.1	0.068	<1	1.15	0.006	0.23	<0.1	3.6	0.27	<0.02	18	0.2	0.02	3.0		
197	Soil	14.8	30.2	0.91	126.0	0.050	1	2.05	0.006	0.10	<0.1	3.4	0.12	<0.02	<5	<0.1	<0.02	5.9		
198	Soil	15.4	12.2	0.38	68.1	0.042	2	0.97	0.007	0.11	<0.1	3.7	0.18	<0.02	<5	0.2	0.02	2.3		
199	Soil	33.7	33.7	0.88	145.6	0.110	2	1.98	0.006	0.38	<0.1	4.9	0.32	<0.02	12	0.1	<0.02	5.8		
200	Soil	9.2	38.1	0.84	82.0	0.098	<1	1.82	0.009	0.52	<0.1	3.3	0.28	<0.02	<5	<0.1	0.02	4.9		
201	Soil	18.6	18.0	0.66	75.8	0.036	2	1.15	0.005	0.18	<0.1	2.6	0.28	<0.02	<5	0.1	<0.02	3.4		
202	Soil	32.1	15.3	0.52	99.7	0.015	2	1.10	0.005	0.08	<0.1	3.0	0.13	<0.02	6	0.2	0.04	3.6		
203	Soil	28.6	17.9	0.47	160.5	0.028	<1	1.40	0.005	0.10	<0.1	3.7	0.21	<0.02	11	<0.1	0.05	4.0		
204	Soil	35.9	28.9	0.83	127.3	0.038	<1	1.97	0.006	0.16	<0.1	4.7	0.27	<0.02	9	<0.1	<0.02	5.4		
205	Soil	61.6	24.6	0.68	108.7	0.020	2	1.59	0.004	0.03	<0.1	4.2	0.09	<0.02	13	<0.1	0.04	4.1		
206	Soil	74.5	29.9	0.62	66.6	0.021	1	1.25	0.004	0.13	<0.1	2.5	0.18	<0.02	9	<0.1	0.08	3.0		
207	Soil	18.0	22.8	0.62	126.1	0.036	<1	1.52	0.009	0.19	<0.1	3.5	0.23	<0.02	13	<0.1	0.03	4.4		
208	Soil	26.7	24.2	0.71	56.1	0.028	1	1.60	0.005	0.16	<0.1	3.4	0.22	<0.02	12	<0.1	0.03	4.6		
209	Soil	12.3	27.2	0.79	78.6	0.083	<1	1.51	0.009	0.50	<0.1	3.0	0.42	<0.02	9	0.1	<0.02	4.5		
210	Soil	17.1	19.0	0.55	67.2	0.048	1	1.49	0.007	0.26	<0.1	2.8	0.21	<0.02	<5	0.3	0.03	4.0		
211	Soil	25.2	27.2	0.54	44.3	0.032	<1	1.19	0.003	0.14	<0.1	3.1	0.11	<0.02	12	<0.1	<0.02	3.3		
212	Soil	14.9	17.0	0.56	36.1	0.078	<1	1.22	0.004	0.46	<0.1	2.0	0.29	<0.02	<5	0.2	<0.02	3.4		
213	Soil	14.0	192.5	1.84	185.7	0.117	<1	2.57	0.011	0.55	<0.1	10.2	0.42	<0.02	<5	<0.1	0.03	9.6		



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Part: 1 of 4

CERTIFICATE OF ANALYSIS

WHI16000288.1

	Method Analyte Unit MDL	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	%	%
		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
214	Soil	0.11	22.18	7.06	48.2	19	26.7	14.8	367	2.51	0.2	0.5	<0.2	3.9	136.7	0.02	0.03	0.07	12	5.03	0.050
215	Soil	0.10	13.71	7.20	63.9	25	24.1	10.6	283	2.78	1.6	0.5	0.8	6.1	296.8	0.02	0.04	0.10	12	7.82	0.043
216	Soil	0.08	22.09	6.07	64.5	32	30.6	16.2	295	2.81	0.3	0.5	0.5	6.7	200.8	<0.01	0.03	0.10	17	2.48	0.043
217	Soil	0.02	14.49	3.55	47.7	21	22.7	13.5	193	1.86	<0.1	0.4	0.3	4.1	111.5	<0.01	0.03	0.05	15	0.70	0.055
218	Soil	0.14	28.93	7.85	66.8	68	39.0	16.3	433	3.27	0.3	0.6	1.2	6.2	300.6	0.03	0.03	0.12	21	1.22	0.049
219	Soil	0.17	19.36	4.78	60.4	24	32.1	14.2	234	2.71	0.3	0.6	1.6	7.1	119.8	<0.01	0.04	0.07	19	1.25	0.042
220	Soil	0.14	25.58	9.21	84.1	28	42.1	20.9	340	4.04	0.2	0.9	0.8	8.3	185.4	0.02	0.05	0.15	23	5.33	0.042
221	Soil	0.22	23.26	4.11	66.5	30	40.2	15.9	207	3.40	0.4	0.7	0.6	7.1	70.2	0.03	0.05	0.10	17	0.35	0.032
222	Soil	0.27	21.55	7.40	48.3	40	37.3	15.1	458	2.70	0.4	0.6	0.6	4.6	225.3	0.02	0.03	0.07	13	9.14	0.050
223	Soil	0.12	18.22	1.47	50.6	5	41.0	18.0	73	2.10	0.3	0.9	<0.2	11.3	19.0	0.01	0.03	0.03	16	0.16	0.043
224	Soil	0.29	25.78	13.74	50.7	17	40.5	13.9	541	3.37	5.6	1.0	<0.2	7.9	82.6	0.04	0.11	0.12	17	0.30	0.037
225	Soil	0.15	16.31	9.75	23.0	46	28.5	12.1	428	1.93	<0.1	0.6	0.4	2.6	>2000	0.02	0.04	0.09	4	18.27	0.078
226	Soil	0.16	17.53	10.15	41.7	26	28.4	16.0	518	2.72	0.4	0.7	1.4	5.1	856.2	0.02	0.06	0.13	9	13.69	0.042
227	Soil	0.30	31.53	41.67	98.2	107	40.6	21.1	629	3.89	1.3	1.7	1.2	15.5	200.0	0.13	0.12	0.49	18	2.97	0.049
228	Soil	0.07	7.30	11.88	14.5	25	13.4	8.4	378	1.56	1.1	0.5	1.4	3.8	1750.5	0.02	0.03	0.09	5	21.76	0.038
229	Soil	0.13	16.13	6.59	32.2	23	24.0	12.5	256	1.83	0.7	0.7	0.4	4.0	542.2	<0.01	0.05	0.06	6	14.51	0.061
230	Soil	0.15	23.69	3.26	77.1	9	60.2	21.6	118	3.94	0.7	0.5	<0.2	5.9	24.7	0.01	0.03	0.09	33	0.35	0.038
231	Soil	0.26	49.31	10.37	61.1	44	73.2	36.5	451	3.85	1.2	0.9	0.5	8.0	213.5	0.03	0.08	0.16	16	7.96	0.045
232	Soil	0.44	40.50	8.16	43.4	53	41.8	20.4	524	2.94	0.4	0.8	0.6	4.9	163.6	0.02	0.05	0.10	11	10.77	0.060
233	Soil	0.90	53.49	5.38	97.6	17	44.3	21.6	112	4.18	4.6	1.5	0.6	5.4	8.2	0.01	0.26	0.26	29	0.06	0.052
234	Soil	0.25	48.04	10.87	97.1	63	71.3	31.8	465	3.81	0.2	0.9	1.8	11.5	45.6	0.05	0.04	0.22	11	1.46	0.074
235	Soil	0.07	27.23	9.49	56.7	44	39.9	18.2	358	2.46	0.6	0.6	0.8	5.7	79.5	0.02	0.08	0.13	7	5.85	0.063



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Project: Kate
Report Date: October 04, 2016

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Mo	Cu
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01
214	Soil	8.8	17.8	0.53	52.8	0.088	<1	1.27	0.004	0.41	<0.1	1.9	0.31	<0.02	8	0.1	0.03	3.3		
215	Soil	14.1	23.4	0.76	73.6	0.075	<1	1.46	0.005	0.48	<0.1	1.8	0.31	<0.02	<5	0.3	0.02	3.5		
216	Soil	14.5	26.0	0.74	79.9	0.102	<1	1.61	0.007	0.50	<0.1	2.3	0.27	<0.02	<5	<0.1	<0.02	5.3		
217	Soil	9.1	26.7	0.60	64.7	0.084	<1	1.46	0.007	0.56	<0.1	2.0	0.32	<0.02	<5	<0.1	<0.02	3.6		
218	Soil	19.0	30.8	0.92	69.3	0.138	<1	1.95	0.010	0.69	<0.1	3.9	0.44	<0.02	16	0.3	0.03	4.9		
219	Soil	17.2	27.2	0.77	56.8	0.133	<1	1.93	0.006	0.49	<0.1	3.1	0.36	<0.02	5	0.1	<0.02	5.3		
220	Soil	21.4	35.9	1.08	70.8	0.110	3	2.30	0.007	0.36	<0.1	3.6	0.29	<0.02	5	<0.1	<0.02	7.4		
221	Soil	15.5	24.7	0.81	71.7	0.111	2	1.71	0.004	0.30	<0.1	3.2	0.23	<0.02	6	<0.1	<0.02	4.6		
222	Soil	10.6	19.6	0.62	68.3	0.093	1	1.26	0.006	0.44	<0.1	2.6	0.36	<0.02	<5	0.5	0.04	3.5		
223	Soil	16.8	23.4	0.68	51.3	0.091	<1	1.35	0.007	0.57	<0.1	3.0	0.50	<0.02	<5	0.3	0.05	4.1		
224	Soil	16.7	23.8	0.65	106.9	0.089	2	1.62	0.005	0.25	<0.1	4.0	0.22	<0.02	<5	0.3	<0.02	4.1		
225	Soil	9.1	5.1	0.32	27.9	0.017	1	0.34	0.002	0.06	<0.1	2.0	0.08	<0.02	9	0.3	0.06	0.9		
226	Soil	17.3	13.4	0.50	33.8	0.036	<1	0.93	0.004	0.19	<0.1	2.3	0.17	<0.02	5	0.3	0.05	2.6		
227	Soil	71.1	23.3	0.68	73.7	0.026	2	1.91	0.005	0.10	0.1	5.4	0.11	<0.02	13	<0.1	0.04	5.3		
228	Soil	12.8	6.4	0.23	34.2	0.005	<1	0.40	0.003	0.03	<0.1	2.1	0.02	<0.02	<5	0.4	0.08	1.2		
229	Soil	8.7	8.3	0.23	35.8	0.023	<1	0.49	0.003	0.10	<0.1	2.2	0.08	<0.02	<5	0.2	0.04	1.5		
230	Soil	12.9	36.5	1.31	98.4	0.052	<1	2.14	0.006	0.23	<0.1	4.5	0.25	<0.02	<5	<0.1	0.02	7.6		
231	Soil	31.1	27.0	0.59	71.2	0.028	<1	1.39	0.004	0.12	<0.1	4.8	0.24	<0.02	16	0.2	0.04	4.2		
232	Soil	14.4	18.1	0.42	57.1	0.022	<1	0.86	0.004	0.12	<0.1	2.9	0.13	<0.02	12	0.2	0.02	2.4		
233	Soil	23.9	28.8	0.63	95.8	0.017	<1	2.09	0.005	0.03	0.1	5.8	0.05	<0.02	9	<0.1	0.09	5.3		
234	Soil	34.9	16.0	0.47	36.4	0.014	<1	1.25	0.005	0.08	<0.1	3.9	0.17	<0.02	12	<0.1	0.03	3.6		
235	Soil	19.7	9.3	0.38	64.3	0.011	<1	0.73	0.003	0.05	<0.1	2.4	0.13	<0.02	11	0.1	0.03	2.3		



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October 04, 2016

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QUALITY CONTROL REPORT

WHI16000288.1

	Method Analyte Unit MDL	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	%	ppm
Pulp Duplicates		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
39	Soil	0.84	15.25	18.85	56.4	106	25.1	5.0	130	1.74	13.5	2.3	2.9	12.8	26.8	0.09	0.57	0.43	29	0.23	0.013
REP 39	QC	0.81	14.89	18.50	55.3	114	24.8	4.7	119	1.70	12.3	2.3	1.9	12.5	25.3	0.12	0.59	0.39	28	0.23	0.012
64	Soil	1.09	11.72	16.33	64.6	150	49.5	4.7	94	1.09	33.6	4.8	1.9	16.2	14.3	0.07	0.46	1.75	7	0.20	0.015
REP 64	QC	1.11	11.75	16.03	61.0	139	51.2	4.6	95	1.06	34.2	4.7	1.3	15.9	13.9	0.07	0.48	1.78	8	0.20	0.016
118	Soil	3.21	8.43	22.87	23.9	27	5.8	3.0	72	1.66	3.2	0.9	1.7	16.9	2.7	0.01	0.20	0.62	10	0.02	0.010
REP 118	QC	3.47	8.82	23.73	24.4	21	5.5	3.1	76	1.71	3.6	1.0	1.2	17.3	2.9	0.01	0.26	0.64	10	0.02	0.010
150	Soil	0.14	2.60	18.89	41.5	12	1.2	0.6	200	0.83	1.2	0.4	<0.2	21.6	13.3	0.06	0.18	0.19	<2	0.03	0.009
REP 150	QC	0.17	2.89	19.05	38.6	14	1.1	0.6	195	0.82	1.2	0.4	<0.2	22.0	13.9	<0.01	0.18	0.21	<2	0.03	0.004
173	Soil	0.31	8.72	10.41	44.3	9	5.8	2.6	192	1.35	2.5	1.4	<0.2	16.7	13.4	0.03	0.35	0.14	16	0.04	0.011
REP 173	QC	0.30	8.81	10.30	46.3	11	5.5	2.8	217	1.30	2.4	1.5	<0.2	17.0	13.2	0.03	0.36	0.13	15	0.04	0.012
182	Soil	0.55	4.34	26.74	47.7	9	2.1	1.4	131	1.41	1.7	2.0	<0.2	29.3	28.7	0.04	0.20	0.35	5	0.01	0.015
REP 182	QC	0.59	4.76	26.55	46.3	16	2.2	1.6	127	1.36	2.1	1.9	<0.2	29.6	29.7	<0.01	0.20	0.29	5	0.01	0.014
214	Soil	0.11	22.18	7.06	48.2	19	26.7	14.8	367	2.51	0.2	0.5	<0.2	3.9	136.7	0.02	0.03	0.07	12	5.03	0.050
REP 214	QC	0.09	21.82	6.92	46.0	26	27.8	14.4	349	2.52	0.5	0.4	0.7	3.8	133.6	<0.01	0.03	0.07	13	4.99	0.054
232	Soil	0.44	40.50	8.16	43.4	53	41.8	20.4	524	2.94	0.4	0.8	0.6	4.9	163.6	0.02	0.05	0.10	11	10.77	0.060
REP 232	QC	0.43	41.08	7.84	45.2	53	42.9	20.1	508	2.94	0.2	0.8	0.5	4.9	170.5	0.02	0.04	0.10	11	10.94	0.064
Reference Materials																					
STD DS10	Standard	16.52	162.73	154.50	376.5	1837	76.6	13.5	909	2.89	45.6	2.8	79.0	8.3	66.2	2.37	9.13	11.16	45	1.13	0.074
STD DS10	Standard	15.50	159.62	151.01	361.9	1759	76.3	12.7	890	2.79	44.1	2.7	66.5	7.5	67.2	2.50	9.06	11.03	41	1.06	0.076
STD DS10	Standard	15.31	157.98	157.16	378.7	1832	79.0	13.4	933	2.83	46.2	2.8	97.1	7.9	65.9	2.56	9.10	11.50	44	1.10	0.076
STD DS10	Standard	15.68	156.10	151.67	361.7	1723	76.4	13.1	904	2.86	44.4	2.6	100.5	7.9	67.7	2.37	9.18	11.11	43	1.10	0.072
STD DS10	Standard	15.39	159.40	158.03	376.3	1782	77.2	13.5	916	2.88	44.6	2.7	83.9	8.3	62.5	2.45	9.36	11.47	43	1.10	0.076
STD DS10	Standard	15.41	142.04	157.30	366.8	1993	77.0	14.6	937	2.83	44.6	2.6	100.8	7.4	69.9	2.63	8.55	11.78	42	1.08	0.078
STD DS10	Standard	15.44	138.92	155.80	352.1	1901	74.9	12.5	943	2.82	46.4	2.5	104.5	7.2	66.8	2.43	8.45	11.43	46	1.10	0.074
STD DS10	Standard	14.54	145.42	150.74	353.7	1925	69.5	12.1	865	2.75	45.0	2.7	91.0	7.6	66.6	2.77	9.43	13.16	45	1.06	0.074
STD DS10	Standard																				
STD OXC129	Standard	1.41	28.09	6.55	38.8	8	83.8	21.3	405	3.08	0.1	0.7	194.6	2.0	182.4	0.02	0.02	<0.02	51	0.73	0.103
STD OXC129	Standard	1.39	27.29	6.34	42.2	12	82.5	20.9	401	3.04	0.8	0.7	185.3	1.8	195.9	<0.01	<0.02	0.02	50	0.70	0.101



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ251	AQ251	AQ251	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Mo	Cu	Pb
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01	0.01
Pulp Duplicates																					
39	Soil	18.5	28.8	0.39	227.2	0.046	<1	1.25	0.011	0.12	0.5	2.6	0.30	<0.02	26	0.3	0.09	4.8			
REP 39	QC	17.9	28.4	0.39	213.4	0.043	3	1.24	0.010	0.11	0.4	2.4	0.31	<0.02	19	0.4	0.04	4.5			
64	Soil	13.0	33.5	0.32	47.7	0.004	4	0.80	0.018	0.15	0.6	1.3	0.69	<0.02	8	0.7	0.04	3.6			
REP 64	QC	12.8	34.1	0.33	48.0	0.005	4	0.76	0.018	0.15	0.8	1.3	0.67	<0.02	16	0.8	0.05	3.5			
118	Soil	22.4	7.4	0.12	110.0	0.007	1	0.75	0.002	0.05	<0.1	1.4	0.05	<0.02	12	0.7	0.09	1.5			
REP 118	QC	23.4	8.1	0.13	114.7	0.009	<1	0.76	0.003	0.06	0.2	1.5	0.05	<0.02	7	0.6	0.07	1.5			
150	Soil	59.0	2.3	0.34	93.4	0.008	3	0.84	0.002	0.22	<0.1	2.7	0.25	<0.02	<5	0.1	0.03	2.2			
REP 150	QC	59.0	2.3	0.33	90.9	0.008	2	0.84	0.001	0.22	<0.1	2.4	0.27	<0.02	8	<0.1	<0.02	1.9			
173	Soil	39.8	8.3	0.21	112.1	0.036	<1	0.79	0.006	0.11	<0.1	2.2	0.20	<0.02	56	0.2	<0.02	3.0			
REP 173	QC	41.4	8.4	0.23	115.0	0.040	2	0.77	0.004	0.10	0.1	2.4	0.20	<0.02	40	<0.1	0.06	3.1			
182	Soil	56.4	4.6	0.39	76.0	0.026	<1	0.87	0.002	0.21	<0.1	1.7	0.27	<0.02	<5	<0.1	<0.02	2.6			
REP 182	QC	57.9	4.5	0.38	76.6	0.028	<1	0.91	0.002	0.22	<0.1	1.7	0.29	<0.02	<5	<0.1	<0.02	2.7			
214	Soil	8.8	17.8	0.53	52.8	0.088	<1	1.27	0.004	0.41	<0.1	1.9	0.31	<0.02	8	0.1	0.03	3.3			
REP 214	QC	9.1	17.1	0.53	52.3	0.086	<1	1.25	0.004	0.41	<0.1	2.2	0.29	<0.02	<5	<0.1	0.03	3.5			
232	Soil	14.4	18.1	0.42	57.1	0.022	<1	0.86	0.004	0.12	<0.1	2.9	0.13	<0.02	12	0.2	0.02	2.4			
REP 232	QC	14.4	17.6	0.44	53.9	0.021	<1	0.85	0.005	0.12	<0.1	3.0	0.13	<0.02	8	0.3	0.03	2.4			
Reference Materials																					
STD DS10	Standard	20.0	59.8	0.80	367.2	0.089	9	1.17	0.079	0.36	3.4	3.2	5.17	0.27	239	2.4	5.15	4.7			
STD DS10	Standard	18.6	55.6	0.78	341.8	0.083	6	1.09	0.074	0.34	3.3	2.8	5.17	0.26	265	2.5	5.09	4.4			
STD DS10	Standard	18.3	56.8	0.79	359.0	0.081	7	1.10	0.078	0.35	3.3	3.1	5.33	0.27	312	2.2	5.39	4.2			
STD DS10	Standard	20.1	56.8	0.79	364.9	0.086	9	1.14	0.079	0.36	3.4	3.3	5.17	0.27	275	2.2	4.66	4.7			
STD DS10	Standard	19.7	58.6	0.79	382.7	0.086	9	1.10	0.076	0.35	3.6	3.0	5.34	0.27	265	2.1	5.34	4.5			
STD DS10	Standard	17.6	56.9	0.78	370.5	0.073	8	1.07	0.074	0.35	3.5	3.1	5.47	0.28	330	2.5	5.01	4.5			
STD DS10	Standard	17.5	54.6	0.79	382.1	0.075	7	1.11	0.076	0.35	3.4	3.1	5.30	0.29	321	2.2	5.11	4.5			
STD DS10	Standard	18.0	51.9	0.77	347.5	0.078	8	1.06	0.078	0.35	3.3	3.0	5.21	0.29	276	2.1	4.87	4.2			
STD DS10	Standard	16.13 163.11 149.94																			
STD OXC129	Standard	13.2	56.3	1.55	49.0	0.413	2	1.69	0.614	0.39	<0.1	1.3	0.03	<0.02	7	<0.1	<0.02	5.8			
STD OXC129	Standard	12.8	53.7	1.52	49.6	0.402	<1	1.62	0.611	0.38	<0.1	0.9	0.03	<0.02	8	<0.1	<0.02	5.7			



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QUALITY CONTROL REPORT

WHI16000288.1

Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		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	0.5	0.5
Pulp Duplicates																				
39	Soil																			
REP 39	QC																			
64	Soil																			
REP 64	QC																			
118	Soil																			
REP 118	QC																			
150	Soil																			
REP 150	QC																			
173	Soil																			
REP 173	QC																			
182	Soil																			
REP 182	QC																			
214	Soil																			
REP 214	QC																			
232	Soil																			
REP 232	QC																			
Reference Materials																				
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard																			
STD DS10	Standard	366.9	1889	79.8	13.4	814	2.80	44.8	2.6	69.5	7.7	63.8	2.79	9.57	12.45	45	1.07	0.073	18.6	57.2
STD OXC129	Standard																			
STD OXC129	Standard																			



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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															
39	Soil														
REP 39	QC														
64	Soil														
REP 64	QC														
118	Soil														
REP 118	QC														
150	Soil														
REP 150	QC														
173	Soil														
REP 173	QC														
182	Soil														
REP 182	QC														
214	Soil														
REP 214	QC														
232	Soil														
REP 232	QC														
Reference Materials															
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard														
STD DS10	Standard	357.9	0.082	6	1.07	0.075	0.35	3.4	2.8	5.36	0.27	304	2.3	4.87	4.4
STD OXC129	Standard														
STD OXC129	Standard														



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		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	%	%
		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 OXC129	Standard	1.35	26.92	6.47	39.5	11	81.8	20.7	400	3.11	0.4	0.7	189.7	1.7	184.6	0.02	0.03	<0.02	50	0.67	0.095
STD OXC129	Standard	1.30	27.43	6.52	40.6	17	82.1	21.2	405	3.07	0.5	0.7	191.2	1.8	191.7	0.02	0.04	<0.02	49	0.74	0.098
STD OXC129	Standard	1.31	27.79	6.40	43.4	11	83.8	21.6	423	3.17	0.6	0.7	197.8	1.9	196.1	0.03	0.05	<0.02	51	0.74	0.102
STD OXC129	Standard	1.26	24.38	5.95	41.1	14	76.7	21.4	409	3.08	0.7	0.6	211.3	1.7	186.0	0.03	0.03	<0.02	49	0.66	0.102
STD OXC129	Standard	1.29	24.25	5.80	42.6	11	81.2	20.8	401	3.00	0.6	0.6	182.4	1.7	181.8	0.02	0.03	<0.02	53	0.67	0.092
STD OXC129	Standard	1.26	27.13	6.64	41.8	11	74.9	20.1	421	2.97	0.8	0.7	197.3	1.8	177.0	0.03	0.04	<0.02	50	0.59	0.097
STD OXC129	Standard																				
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	0.03	<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	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<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	0.08	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				



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QUALITY CONTROL REPORT

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		AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ251	AQ251	AQ251
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Mo	Cu	Pb
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.01	0.01	0.01
STD OXC129	Standard	13.2	52.2	1.51	51.4	0.381	1	1.60	0.606	0.40	<0.1	0.9	0.04	<0.02	<5	<0.1	<0.02	5.4			
STD OXC129	Standard	12.7	54.4	1.52	50.0	0.406	2	1.63	0.614	0.37	<0.1	0.9	0.04	<0.02	<5	0.2	<0.02	6.0			
STD OXC129	Standard	12.8	55.1	1.54	51.5	0.416	<1	1.69	0.620	0.40	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.6			
STD OXC129	Standard	12.1	51.9	1.51	50.8	0.387	1	1.53	0.603	0.38	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.7			
STD OXC129	Standard	11.3	53.2	1.52	51.6	0.381	1	1.59	0.597	0.37	<0.1	1.0	0.04	<0.02	<5	<0.1	<0.02	5.7			
STD OXC129	Standard	13.2	48.6	1.48	51.9	0.369	1	1.53	0.593	0.40	<0.1	0.8	0.04	<0.02	<5	<0.1	<0.02	5.9			
STD OXC129	Standard																		1.34	29.51	6.30
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	15.1	154.61	150.55
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	1.3	28	6.3
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																		<0.01	<0.01	<0.01



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QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		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	0.5	0.5
STD OXC129	Standard																			
STD OXC129	Standard																			
STD OXC129	Standard																			
STD OXC129	Standard																			
STD OXC129	Standard																			
STD OXC129	Standard																			
STD OXC129	Standard	42.9	17	82.3	23.0	412	3.09	0.7	0.7	188.7	1.9	173.9	0.04	0.04	<0.02	53	0.68	0.102	12.2	52.8
STD DS10 Expected		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	17.5	54.6
STD OXC129 Expected		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	13	52
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<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	<0.5	<0.5



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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														
STD OXC129	Standard														
STD OXC129	Standard														
STD OXC129	Standard														
STD OXC129	Standard														
STD OXC129	Standard														
STD OXC129	Standard	51.3	0.402	1	1.64	0.623	0.42	<0.1	0.8	0.04	<0.02	<5	<0.1	<0.02	5.4
STD DS10 Expected		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		50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank														
BLK	Blank	<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