

2019 Assessment Report McKay Hill Project, Yukon

**Beaver River Area
NTS 106D/06 (Horseshoe Hill)
Lat. 64°20'57" N • Long. 135°21'9" W
Mayo Mining District**

**Claims work applied to:
SNOOSE 1 -20 (YC56719 to YC56737)
SNOOSE 21-90 (YD11201 to YD11270)
MK 1-54 (YD34989 to YD34936)
MK 55-96 (YF29201 to YF29242)
SNOOSE 91-116 (YF29091 to YF29116)**

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Summary

The McKay Hill Project is located within the Mayo Mining District, 50 km north of Keno City, and centered at 64° 20' N Latitude, 135° 22' W Longitude (NTS mapsheet 106D/06 - Horseshoe Hill). The property is situated on the southern slopes of the McKay, Horseshoe and Sullivan hills, which comprise part of the Ogilvie mountains encompassing a portion of the southern Wernecke mountain belt in central Yukon. An exploration program was completed over August 26th and 27th, 2019, for a total of 11 man-days. Currently the McKay Hill project is comprised of 212 unsurveyed mineral quartz claims which are 100% owned by MMG.

Stratigraphically, McKay Hill is currently described as part of the Yusezyu Formation of the Upper Proterozoic to Lower Cambrian Hyland Group, which sits within the Dawson Thrust sheet. Data collected during 2018 and 2019 corroborates – as previously proposed by Blackburn (2010) – that the McKay Hill project is underlain by Dempster volcanics (CO_v) of the Marmot Group and not by the Yusezyu Formation of the Hyland Group. The Dempster volcanics are described as an unconstrained mafic volcanic alkalic rock formation of at least two different ages. The volcanic products mainly consist in flows (sometimes pillowed) and associated breccias, with no clear boundaries between flows (Abbott, 1997). During the 2018 program, the Narchilla Formation thrust contact with the Marmot Group was affirmed. In addition, the unconformable contact between Narchilla Formation and Algae Formation was mapped.

Known mineralization at McKay Hill occurs as a series of decimetre to metre-scale north-northeast striking quartz-galena ± copper oxides ± sphalerite ± sulfosalts veins. Texturally the veins can be banded, vuggy, and/or replacement-type with localized brecciation parallel to vein walls on well-developed veins. In lithological units with high initial porosity such as conglomerates, mafic volcanoclastics and grit (coarse, weakly reworked sandstone), mineralization is often observed as matrix-replacement type.

Mineralization has been categorized into three zones: 1) high-level quartz-carbonate-gold mineralization zone; 2) quartz-carbonate-gold-galena (± lead) transition zone; and 3) low-level galena mineralization (refer to Blackburn, 2009). This vertical zonation may also relate to fluid genesis over time. In comparison to the nearby Keno-Hill type veins, silver mineralization encountered at McKay is generally lower-grade and associated with higher concentrations of copper and gold. Current evaluation of mineralization on the property characterizes the metals as part of an intermediate-sulphidation epithermal system. To date, 40 mineralized veins have been located in the property area, including 6 massive, metre-scale, vuggy quartz veins that are enriched by the No. 6 corridor. This also includes an additional 3 new veins which were discovered during the 2019 field season – two east of the Independence Zone (McKay East), and one at the western periphery of Red Zone.

The 2019 exploration program was completed from August 26th and 27th, 2019 and included camp maintenance; targeted prospecting activities over four areas of interest; ridge-and-spur soil sampling (3 lines); and TerraSpec scanning of rocks over the Central Zone for a total of 11 man-days at a cost of \$19,369.60. In summary, the exploration program included:

- Camp maintenance – reinforcing collapsed framed structures from the previous winter;
- Targeted prospecting and mapping between Bella and Red Zones, McKay East, Independence Zone, and Blackhawk East;
- Collection of 104 soil samples over 3 ridge-and-spur lines; and
- TerraSpec Halo scans of lithologies and mineralization across the Central Zone.

Overall the brief 2019 exploration season was deemed successful in collecting data over broad AOIs outside of the Central Zone. Camp was repaired and is fully operational for future programs. Targeted prospecting over the two field days led to the discovery of three new veins (Syd, Dori, Nemo), all outside of the previously known zones. Five rock samples were collected at McKay Hill during the 2019 field season, along with 104 soil samples along three ridges. TerraSpec analysis was also performed on 46 samples from McKay Hill; 31 across a transect of the Central Zone and 15 from other mineralized zones.

The McKay Hill project is deemed highly prospective. The authors recommend follow-up and testing of the targets delineated to date as well as helicopter-supported prospecting campaigns in outlying areas. In order to adequately test the mineralization observed on the McKay Hill property, the following recommendations are made:

- complete a comprehensive soil sampling grid that encompasses all eight currently identified mineralized zones along with ridge and spur soil traverses;
- utilization of a portable TerraSpec Halo to assist in real time preliminary analysis of rocks and soils; methodical geochemical sampling via channel sampling on all newly identified veins;
- continue property-scale (1:25,000 & 1:50,000) mapping with focus on areas that have seen minimal mapping efforts;
- continuation of historic disturbance documentation in conjunction with mapping and prospecting traverses;
- test veins via bedrock-interface probing and heli-portable RC or RAB drilling;
- hyperspectral surveying; and
- combined VLF ($\pm$ IP) surveys.

Planning for the 2020 exploration program is underway and is proposed to include the above recommendations minus hyperspectral surveying and geophysical surveying at a proposed budget of approximately \$400,000.00.

1 Introduction

This report summarizes the 2019 exploration program activities performed by TruePoint Exploration (TruePoint) on behalf of Metallic Minerals Corp (MMG) on the McKay Hill property. The 2019 exploration program was performed over August 26th and 27th, 2019 and included camp maintenance; targeted prospecting activities over four areas of interest; ridge-and-spur soil sampling (3 lines); and TerraSpec scanning of rocks over the Central Zone for a total of 11 man-days at a cost of \$19,369.60. All assay results, certificates as well as a description of the analytical techniques used, and location of all samples are provided. Current interpretations concerning mineralization-styles and geological setting are based on work-to-date are included, leading to recommendations for future exploration work. This report is supplemented by **Appendix I** (Statement of Expenditures), **Appendix II** (Batch Sheets & Assay Certificates), **Appendix III** (Rock Descriptions and Data), and **Appendix IV** (Soil Descriptions and Data).

1.1 Underlying Agreements & Land Tenure

The McKay Hill Project is located within the Selwyn Mountain range; more specifically the Southern Wernecke belt, with the property claims comprising peaks of the Ogilvie Mountains (refer to **Figure 1**, page 4). Metallic Minerals precursor Monster Mining Corp. acquired the initial land package at McKay Hill from prospector Matthias Bindig in 2007. The project currently covers 212 unsurveyed mineral quartz claims in the Mayo Mining District which are 100% owned by MMG: Snoose 1-20 (YC56719 – YC56737), Snoose 21-90 (YD11201 – YD11270), Snoose 91-116 (YF 29091 – YF29116), MK 1-54 (YD34989 - YD34936) and the 2018-staked MK 55-96 (YF29201 – YF29242).

This report covers work completed from August 26th to 27th, for a total of 11 man-days completed at a cost of \$19,369.60. **Table 1. Claim Status** (below) tabulates the current land-package and current expiry data; **Figure 2. McKay Hill Claims Map** (page 5) shows the location of the claims comprising the McKay Hill property; and **Appendix I** includes the Statement of Work Expenditures.

Table 1. Claim Status¹

Grant #	Claim Name	Claim Owner	Expiry Date
YC56719 - YC56738	Snoose 1-20	Metallic Minerals Corp. – 100%	2028-12-01
YD11201 - YD11270	Snoose 21-90	Metallic Minerals Corp. – 100%	2027-12-01
YF29091	Snoose 91	Metallic Minerals Corp. – 100%	2022-12-01
YF29092 - YF29116	Snoose 92-116	Metallic Minerals Corp. – 100%	2023-12-01
YD34989 - YD34936	MK 1-54	Metallic Minerals Corp. – 100%	2027-12-01
YF29201 - YF29242	MK 55-96	Metallic Minerals Corp. – 100%	2025-12-01

¹ Claim expiry dates based on acceptance of submitted Assessment Report.

Figure 1. Location & Access

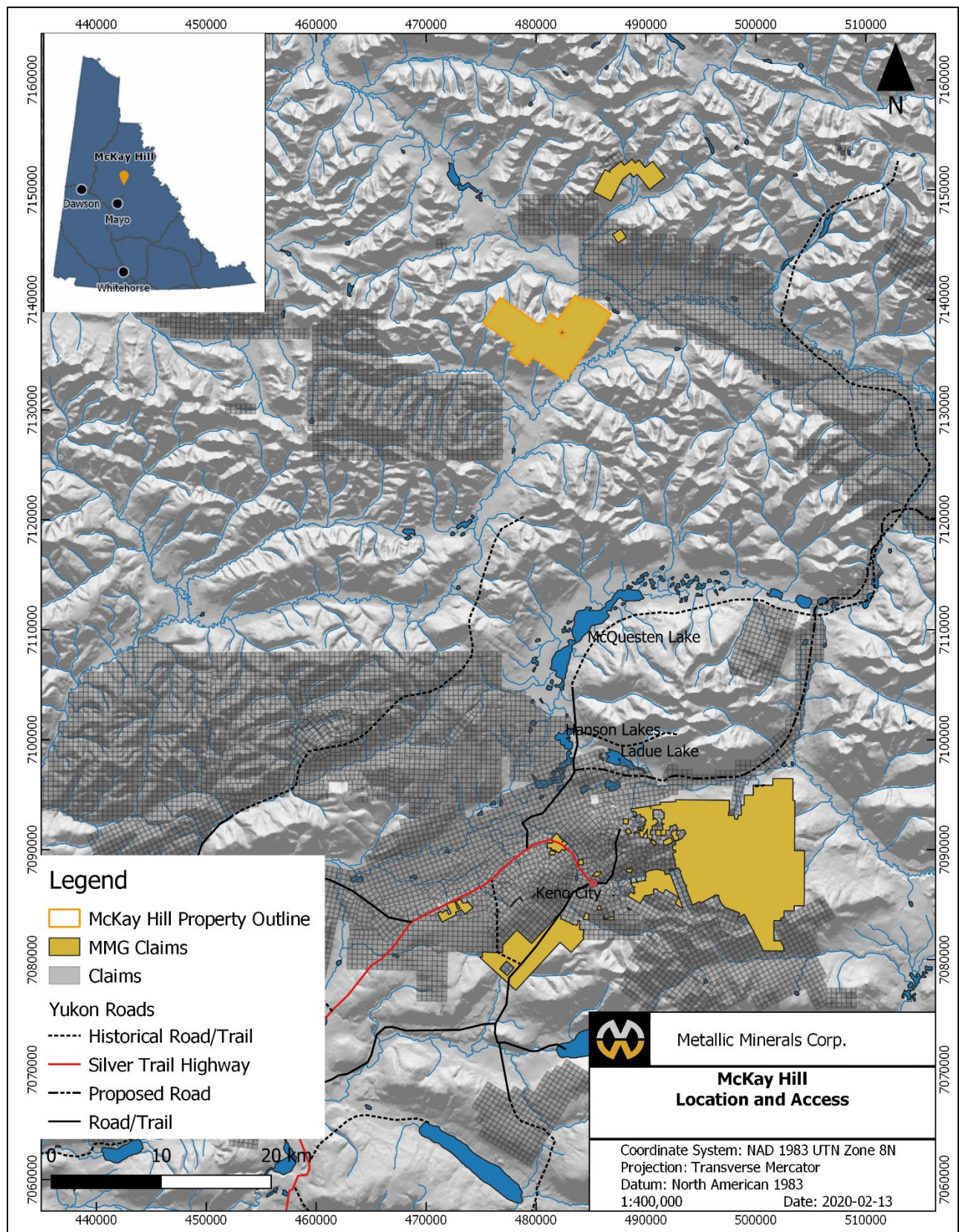
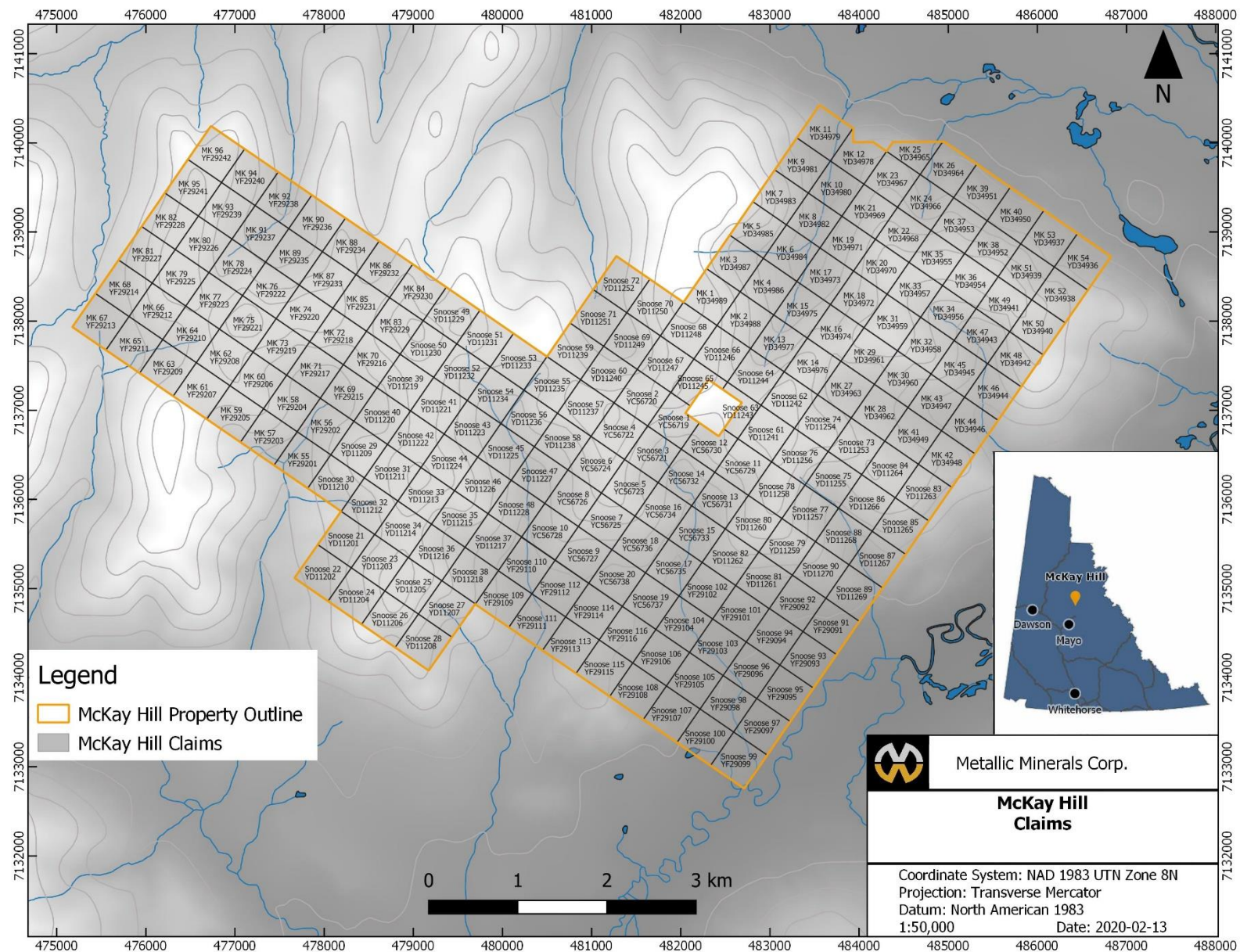


Figure 2. McKay Hill Claims Map



1.2 Location & Access

The occurrence area is situated on the south slopes of McKay and Horseshoe Hills near the headwaters of Red Gulch approximately 23.5 km northwest of McQuesten Lake on NTS map sheet 106D/06 (Horseshoe Hill). The McKay Hill property is located within the Mayo Mining District, 50 km north of Keno City which is 465 km by road to Whitehorse. The property is centered at 64° 20' N Latitude, 135° 22' W Longitude (refer to **Figure 1**, page 4). McKay Hill is currently accessible by helicopter from the townsite of Keno 50 km south of the property. The closest road access is via Hanson Lake Road to McQuesten Lake from the Silver Trail Highway at km 102.1. From this point, a 1959 era winter road forms the Wind River Trail which follows McQuesten Lake, Scrougale Creek and the Beaver River to its junction with Braine Creek which is approximately 20 km downstream along the Beaver River from the McKay Hill property (Pautler, 2009). If the target proves that it has development potential access could be extended from the nearby Victoria Gold Dublin Gulch project, located some 30km to the southwest.

1.3 Physiography & Climate

The claims are located in the area surrounding McKay Hill on the southern flank of Horseshoe Hill, roughly due north of the Beaver River. Broad U-shaped valleys and bare mountain ridges characterize the Southern Wernecke range (also denoted as the Ogilvie Mountains) where the McKay Hill project is located. Elevations within the claim area range from 1050 m ASL to 1750 m ASL. It should be noted that McKay Hill appears to originally refer to the hill on the southern flank of Horseshoe Hill where the showing(s) are located but it is now marked as a hill 2 km to the west (Pautler, 2009).

The area experiences warm summers and long cold winters with relatively little precipitation. In the Mayo area summer temperatures average 15°C during the day and 9°C at night. Winter temperatures average -20°C during the day and -31°C at night. Permafrost was found to extend down to 46 m below surface by Cominco in 1929 (Pautler, 2009). Previously, fly-camps were temporarily set-up on a saddle on the Snoose 8 (YC567526) claim. However, in 2018 a camp was constructed on a knoll opposite Red Gulch on the north side of McKay Hill Central Zone. Water is available if the need arises for drilling from Red Gulch which flows southerly into the Beaver River. Most of the property lies above tree line with narrow ridge-tops and steep slopes (refer to *Photo-plate 1*, below).

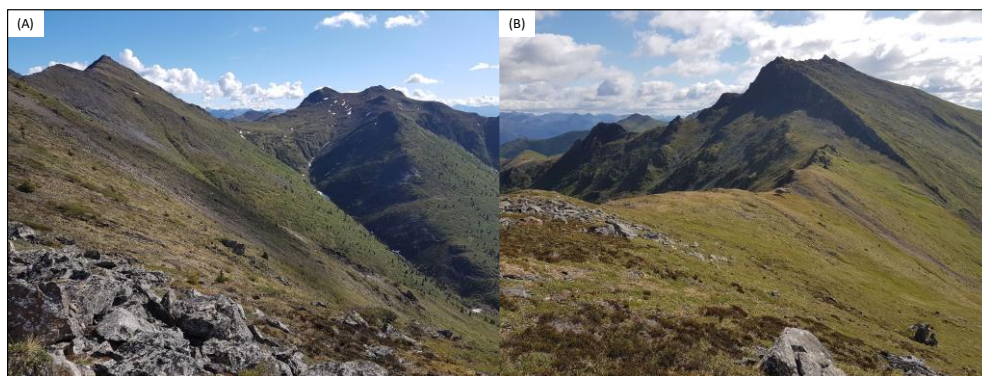


Photo-plate 1. (A) Looking at Margret's Saddle (northeast) from the No. 7 vein on McKay Hill; (B) Looking east from the newly staked claims (MK 55-96); note the sharp ridgelines and steep slopes that dominate the physiography in this region.

2 Property History & Known Zones

The McKay Hill property was originally comprised of the White Hill (106D 037) and McKay Hill MINFILE occurrences (106D 038) which have a rich exploration history dating back to 1922 during the early days of the Keno Hill district staking rush. Due to recent exploration and discoveries by MMG, six more MINFILE occurrences also comprise the McKay Hill property. These include Bella (106D 100), Independence (106D 101), Red (106D 102), Falls (106D 103), Independence North (106D 104), and West McKay (106D 105). **Table 2** (below and following page) summarizes the work history in the area surrounding the McKay Hill showing (106D 038) and is based primarily on the YGS's MINFILE database (Deklerk and Traynor (*compilers*, 2008). **Figure 3** (refer to page 10) illustrates the defined zones and veins located to date on the property.

Table 2. Property History

June 1922	Originally staked by W. McKay (Snowdrift- 14669 and Blackhawk- 14676) and L. Erickson (Carrie- 14672) and Margaret (14702) by N. Marquis.
1925-29	While under option, Cominco pursues the Carrie (14672) claim via prospecting, trenching and a 7-hole, 832 m diamond drilling program. Trenching in 1926 returned average values of 154.3 g/t Ag and 9.6% Zn over an average width of 1.6 m.
1926 & 29	McKay drives an 18 m-long adit into the Blackhawk claim (14676).
1945-46	The Carrie claim was restaked as Rit (55329) by Yukon Northwest Exploration Ltd (a Leitch Gold Mines Ltd subsidiary) and sold to Hoyle Mining Company Ltd. (a Ventures Ltd. subsidiary).
1948-49	East Bay Gold Limited held a sub-lease from Hoyle Mining Co. and produced 143 tons from the Carrie (14672) claim at 390.8 g/t Ag and 74.1% Pb.
1951-52	Mac (61588) claims are staked by M. McCallion who explored with a 3.7m shaft in 1952.
1952	Property is transferred to Beaver River Silver ML.
1953	Rit group are taken to lease.
1959	Property is transferred to Venture Claims Ltd.
1966-1981	Pat (Y6309) claims staked by P. Callison and L. Brown. The Sam (Y31831) claims staked by P. Verslucé. The McCal (Y94231) claims staked by C.A. Lindstrom. The Beaver (YA41621) claims are staked by Grant Oil Inc. which transferred the claims to Jamto Resources Ltd in 1981.
July 19 th 2007	SNOOSE 1-20 (YC56719 to YC56737) claims are staked by Matthias Bindig.
October 12 th 2007	Prospecting, trench mapping/verification and geochemical sampling by Monster Mining Corp. (previously Northex Minerals Inc.).
July 24 th 2008	Prospecting, trench mapping/verification and geochemical sampling by Monster Mining Corp. (previously Northex Minerals Inc.).
August 1 st 2009	Staking of SNOOSE 21-90 (YD11201 to YD11270) by Monster Mining Corp. for a total of 90 claims (1,881 Ha).
August 12-14 th 2009	YMIP-funded exploration program completed on the SNOOSE 1-90 (YC56719 to YC56737, YD11201 to YD11270) claims by Monster Mining Corp. Detailed mapping (700 m ² area), collection and analysis of 140 soil samples and petrographic work.
2011	Detailed Structural mapping (refer to Nicholson, 2011), rock sampling and helicopter-borne SkyTEM time domain electromagnetic geophysical survey by Monster Mining Corp.

2017	Satellite imagery data collection over the property (50cm per-pixel orthophotos), mapping (1:250- to 1:30,000-scale), prospecting, rock sampling, exposing the No. 6 vein via hand-pitting, soil sampling and subsequent claim staking by Metallic Minerals Corp.
June-August 2018	Construction of a camp (8 framed structures including a plumbed dry and kitchen), 16 excavator and hand-trenches in the Central Zone, mapping (1:250- to 1:45,000-scale), prospecting leading to the discovery of 12 new mineralized veins, completion of 5 soil grids totaling 571 samples and subsequent staking of the MK 55-96 claims by MMG.

2.1 McKay Hill Central Zone (106D 038 – Past Producer)

The McKay Hill showing was initially staked in 1922 as 25 contiguous claims by L.B. Erickson, W. McKay and N. Marquis. In 1925, the area around the main showing was evaluated by Consolidated Mining and Smelting Co. Ltd (the precursor to Cominco), which identified nine veins primarily as lines of float on the White Rock, Snowdrift, Carrie and Black Hawk claims (Cram, 1925). Consolidated Mining optioned the White Rock and Carrie claims along with five other claims in 1926 and carried out trenching on the No. 6 vein in 1927 and 1928. Trenching across the No. 6 (Carrie?) vein in 1927 returned average grades of 182 g/t Ag, 29.0 % Pb and 4.9 % Zn across an average width of 1.7 m (Pautler, 2009). This discovery was followed up by 832 m of drilling in the Carrie claim (now Snoose 7 claim) in 1929. Results were reportedly disappointing with only trace galena identified (Erickson & Bussey, 1944), although it is likely that the veins were not adequately tested (Pautler, 2009) as the drill mast had a limited dip range and several drill holes appear to have missed their targets due to fault offsets in the veins (Ettlinger, 2012).

In 1949, East Bay Mining Ltd. shipped 143 tons of ore from the No. 6 vein with an average grade of 390.9 g/t Ag and 74.1 % Pb (Green, 1972). Tetrahedrite showings in the area returned best results of 1302.8 g/t Ag, 4.58 % Pb, and 8.84 % Cu, and 2129.1 g/t Ag, 9.27 % Pb and 15.04 % Cu (Green, 1972). Falconbridge Ltd. held the property from 1972 to 1998, but no work was recorded during this period. In 2007, Monster Mining Corp. optioned the property from prospector M. Bindig.

In both 2007 and 2008, Pautler conducted prospecting programs to locate the veins, trenches and drill holes reported by Consolidated Mining between 1926 and 1929 (Pautler, 2009). Forty-two rock samples were collected from outcrop and float during the course of the 2007 and 2008 programs, the results of which verified grades reported by Consolidated Mining and Smelting Co. Ltd. Pautler (2009) successfully located 17 veins and confirmed grades reported from these veins in the 1920's. Of these veins, 14 were sampled and 10 returned "significant Au $\pm$ Ag analyses" (Pautler, 2009).

The 2009 program objective was to complete detailed mapping the central claims and establish mineralization styles, locate and verify the White Hill Occurrence and to collect soil geochemical samples for analysis (refer to Blackburn, 2010). The soil campaign collected 140 soils on a 450m X 300m grid over the cluster of veins in the central claim area. Geochemical results indicated Pb-Ag-Zn anomalies related to the No. 6, No. 8, No. 9 and Snowdrift veins and Au-As anomalies related to the No. 6, No. 7, North, Blackhawk and Snowdrift veins. Mapping work conducted in the area highlighted that the underlying bedrock is atypical of the Hyland Group, Yusezyu Formation rock mapped regionally, but may represent the extension of the Middle Cambrian to Early Ordovician volcanic rocks (Dempster volcanics, COv) mapped by Abbott (1997) on NTS map-sheets 116A/10 116A/11. It was also proposed that the mineralization-style was not polymetallic Keno Hill-type veins but rather may represent an epithermal scenario, now interpreted as intermediate-sulphidation type.

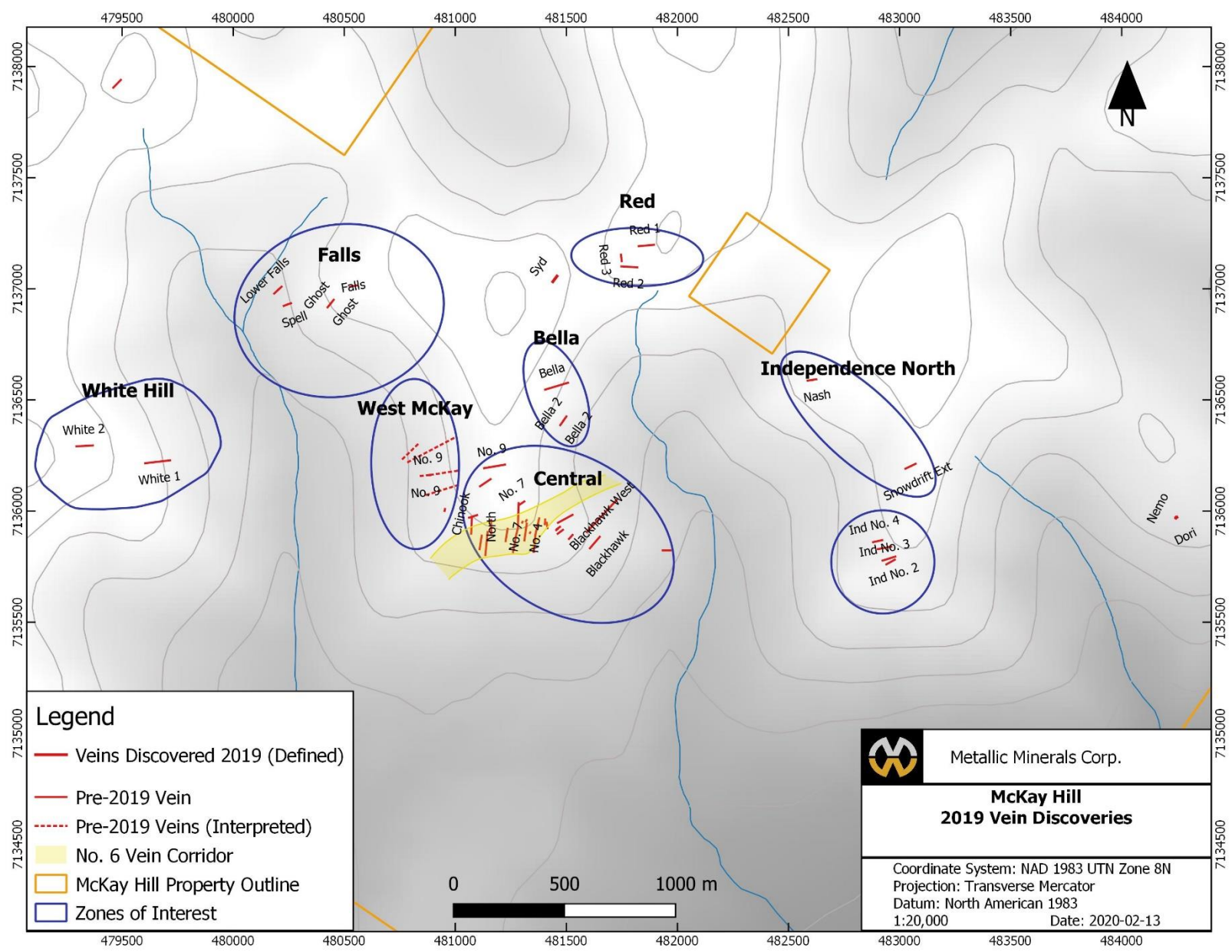
In 2011, a helicopter-borne SkyTEM time domain electromagnetic geophysical survey was flown by Monster Mining Corp. and highlighted several areas on the property with similar geophysical properties to those of the known veins and associated alteration. Additionally, structural mapping and prospecting identified four deformation events on the property and provided constraints on the attitude of mineralization which indicated that mineralization at McKay Hill occurs at the intersection of D₂ quartz-carbonate veins and D₃ faults. Prospecting identified a new, previously unknown outcropping vein set, which returned best results of 288.8 g/t Ag, 10.94 % Pb and 1452 ppm Zn from an iron carbonate-altered conglomerate.

In 2017, MMG completed satellite (orthophotography) imagery over the project area, 1:30,000-scale mapping of the project area to evaluate regional geological setting and confirm Blackburn's (2009) findings, 1:250-scale mapping around the No. 6 vein, delineating vein-attitude and extending it to the southwest; 1:750-scale mapping, prospecting and sampling at the Independence Zone; two soil sampling campaigns covering four grids (252 samples), and subsequent staking of the Snoose 91-116 claims.

In 2018, MMG obtained a Class III MLUP and constructed an 8-temporary structure camp along-side Red Gulch on the north-side of McKay Hill Central Zone. Concurrent with camp building, the following exploration tasks were undertaken:

- Historic Disturbance documentation – 74 open-cuts/trenches, 2 adits and one tote-trail were documented at part of MMG's Heritage Resources Overview Assessment (HROA);
- Trenching – twenty-one trenches were cut, 10 trenches were excavated via heli-portable KH41 Kubota and 6 by hand-means for a total of 1855 m³ at the Blackhawk, Blackhawk West, No. 6-No. 4, No. 8, No. 9, Chinook and North veins. Trenches that exposed bedrock were mapped at 1:250-scale and channel sampled (total of 42 channel samples and 2 grab samples);
- Soil sampling – 571 soil samples over 5 grids;
- Prospecting – property-wide traverses including the collection of 33 samples;
- Mapping – property-wide traverses for creation of a 1:45,000-scale map; and
- Staking – MK 55-96 claims (YF29201 – YF29242).

Figure 3. Known Zones at McKay Hill & Veins Located to Date



2.2 West McKay Zone (106D 105 - Showing)

West McKay covers the area between Central Zone and Falls Zone (refer to **Figure 3**, previous page). Prior to 2018 this area had remained unmapped and largely un-prospected. In 2017, in an attempt to extend the No. 6 corridor to the west, the excavation of small hand pits recovered mineralized local float, and as a result an excavator trench was laid out. In 2018, MHTR-018-33 was cut mid-season and exposed a new galena $\pm$ malachite, sulphur vein with white quartz-ankerite gangue mineralogy (coined the 'Chinook vein'). The vein is oriented 020° and appears to be dipping shallowly to the ESE (25°?) with an alteration halo of strong silicification (distal) and pervasive iron-carbonate alteration. The vein assayed at 270 g/t Ag, 29.82% Pb and 1.47% Zn. During the 2018 field season prospecting traverses further west over this area located four mineralized quartz-galena float-trains that may be the extensions of the No. 8, No. 9 and Bella veins (refer to **Figure 3**, previous page).

2.3 Falls Zone (106D 103 - Prospect)

The mineralization at the Falls Zone was first documented by Pautler (2008) where prospecting by M. Bindig located two veins present as float in historic pits/open-cuts; the Falls 1 vein (AKA: Falls vein) and the Falls 2 vein (AKA: Lower Falls). M. Bindig returned to the area to prospect further in 2018 with Blackburn whereby two additional veins were located (later coined the Spell and Ghost veins). Unlike the Central Zone, the Spell vein, which is described as a milky quartz-copper-oxide vein, akin in texture and mineralogy to the high-level Snowdrift and Snowdrift Ext. veins, was located downslope towards Falls Creek (*i.e.*, low-level with respect to topography). The Ghost vein, located upslope, was situated within a slumped historic open-cut. The mineralization observed at the Ghost vein is very fine-grained to coarse-grained galena vein with sulphurous and malachite-coated clots with local boiling textures and an iron-carbonate halo. The Ghost vein is similar in texture and mineralogy to the Independence No. 1 vein, both of which are distal to the Central Zone.

2.4 Bella Zone (106D 100 - Prospect)

A historic working was first noted by prospector Matthias Bindig in 2007 whereby hand-tool work exposed a vein coined the Bella vein. The vein is described as a quartz copper-oxide vein with lesser interstitial galena. In 2018 during a mapping traverse, another open-cut was located downslope from the Bella vein (coined Bella No. 2 vein). The Bella No. 2 vein had a higher modal percentage of galena than that of the Bella vein which is primarily comprised of milky-quartz with open-space prismatic crystals and local copper-oxide (azurite, malachite) mineralization. Interestingly, the Bella No. 1 vein with lesser galena mineralization has to date produced higher silver-assay values (refer to **Table 4a & 4b**, pages 24-25).

2.5 Red Zone (106D 102 - Prospect)

The Red Zone, aptly named due to the intense ferric alteration observed at the Red 1 and Red 2 veins. The Red 1 and Red 2 veins were mapped by Pautler (2008) and sampled in previous years. These veins trend ~090°E (an orientation noted for lower grades) and are described as vuggy quartz veins with limonitic coatings and have assayed up to 29 oz/t Ag. During the 2018 program whilst soil sampling, quartz-copper-oxide float was spotted. The author followed up and located the Red 3 vein, a north-trending quartz vein breccia with internal slate fragments, interstitial malachite-azurite and limonitic coatings. This vein assayed 19.6 g/t Ag and 0.7% Cu (refer to **Table 4a & 4b**, pages 24-25). During the 2019 program, the Syd vein was discovered just west of the Red zone and is characterized by a multiphase quartz stockwork with mineralized orientations of 224° and 030° with trace copper

mineralization (0.2%). Highly anomalous soil results in the Red Zone indicate this area requires more detailed prospecting in future programs.

2.6 Independence Hill Zone (106D 101 - Prospect)²

In 2017, the MMG geology team coined the 'Independence Hill Zone' after the original claim 'Independence' which was centred on a set of mineralized base-metal veins on the ridge east of McKay Hill proper (refer to **Figure 3**, page 10). This prospect is characterized by a base-metal vein hosted in intensely clay-altered volcanics that have cockade and boiling textures. Currently four veins (Independence 1-4) are documented. A single traverse was completed off a spur to the east of Independence Ridge in 2019, which consisted of mapping, prospecting, and soil sampling. No new mineralization was identified. In future years, it is recommended that the anomalous soil values to the southwest, south and southeast be followed up on in conjunction with a traverse to locate the limestone hand specimens collected whilst prospecting, as they may represent the Algae Formation, which is also present in the southwestern portion of the claim block. There is potential for skarn-related mineralization in this unit.

2.7 Independence North Zone (106D 104 - Prospect)

The Independence North Zone is comprised of the Snowdrift Extension and Nash veins. Both veins have small historic workings, but it wasn't until 2018 that the Nash vein was located and examined. The Snowdrift Extension vein is a milky, quartz, copper-oxide vein that is very similar to the Snowdrift vein (which is across the gully from Central Zone on the east side of the ridge) in mineralogy but is lacking the freibergite which results in an overall lower silver-grade. The Snowdrift vein is oriented ~220°/70°NW (RHR) and assays up to 668 g/t Ag, while the Snowdrift Extension vein is oriented 273°/74°NW (RHR) with the highest silver value to be reported is 98.5 g/t Ag. Although this vein's nomenclature insinuates it's the extension of the Snowdrift vein, in light of its different attitude and grade it may not be as closely related as previously thought. The second known vein in the Independence North Zone is the Nash vein, which was identified near the ridge in a historic open-cut was an estimated trend of 080°, this vein reports a lower-grade 28.8 g/t Ag and has a higher lead ratio.

2.8 White Hill Zone (106D 037- Showing)

White Hill was first staked as a single claim (Crystal) in 1924 by F.E. Endvoldsen. Additional single claims were staked in 1925 including Selma (E. Anderson), Seline (C. Williamson) and Northstar (L.B. Erickson). Only a minor amount of prospecting was conducted on each claim. The occurrence reportedly comprises a single quartz-galena-chalcopyrite-sphalerite vein at the margins of a small greenstone sill that intrudes Hyland Group quartzites and schist. In 2009 Monster Mining Corp. staked and sampled the White Hill showing, five rock samples sent for geochemical analysis and reported up to 0.06 g/t Au, 3.9 g/t Ag, 1.41% Pb, 0.13% Zn and 0.5% Cu (refer to Blackburn, 2010). Although the results from White Hill are lower tenor relative to other known zones, more mapping and prospecting follow-up should be completed with the utilization of a portable TerraSpec to delineate where White Hill falls within the system via identification of clay-mineralogy associated with iron-clay-carbonate alteration distinct to the property.

² On most topographic maps, 'McKay Hill' covers three peaks, the eastern-most which underlay the historic Independence claim, coined Independence Hill.

3 Regional and Property Geology

3.1 Regional Geology and Tectonic Setting

The property is located on the 1:250,000 scale Nash Creek (106D) map-sheet and the 1:50,000 scale Horseshoe Hill map-sheet (106D/06). The most recent mapping of the area was completed by the Geological Survey of Canada (GSC) in 1961 by L.J. Green and J.A. Roddick (1972 GSC 1:250,000 map 1282A). The south-central portion of NTS 106D/06 & 07 have never been mapped at a 1:50,000-scale, and as a result the underlying geology is poorly understood. The current interpreted regional geology surrounding McKay Hill can be seen in **Figure 4** (page 15).

The McKay Hill property is part of the Omineca Belt within the Ancestral North American terrane. The Omineca Belt consists of a poorly understood Neoproterozoic to late Paleozoic assemblage of alternating basin (Selwyn Basin) and platform (Mackenzie Platform) sequences occurring in sheets separated by a series of regional scale thrust faults. McKay Hill sits within the Dawson Thrust sheet, which is part of the Selwyn Basin and bound by the Mesozoic Dawson Thrust (Abbott, 1997) to the northeast and the Tombstone Thrust to the north (refer to **Figure 4**, page 15). These regional-scale thrust faults are the result of the northeast-directed accretion of a succession of allochthonous terranes. This main tectonic event is also responsible for mega to microscopic folding of the Selwyn Basin sedimentary sequence. Widespread granitic magmatism during the early to mid-Cretaceous formed at least five main intrusive suites between 112 and 90 Ma and a younger suite at 65 Ma (Ettlinger, 2012 and references therein).

In the McKay Hill area, the Dawson Thrust sheet is currently mapped as underlain by the Yusezyu Formation of the Upper Proterozoic to Lower Cambrian Hyland Group (PCH; Blackburn, 2010). The Hyland Group and Earn Group together form the Dawson Range Mineral Belt (formally known as the Dawson Thrust Sheet) which is bound by the Dawson Thrust to the northwest and the Tombstone Thrust to the southwest. Approximately 7 km to the southwest the Hyland Group rocks are overlain by the Earn Group (DME) metasediments, which host the Keno Hill mineral occurrences. In the Keno district, the Keno Hill Quartzite (Early Carboniferous) hosts 'blow-outs' of polymetallic Ag-Pb-Zn $\pm$ Au veins and is extensively exposed within the Dawson Thrust Sheet.

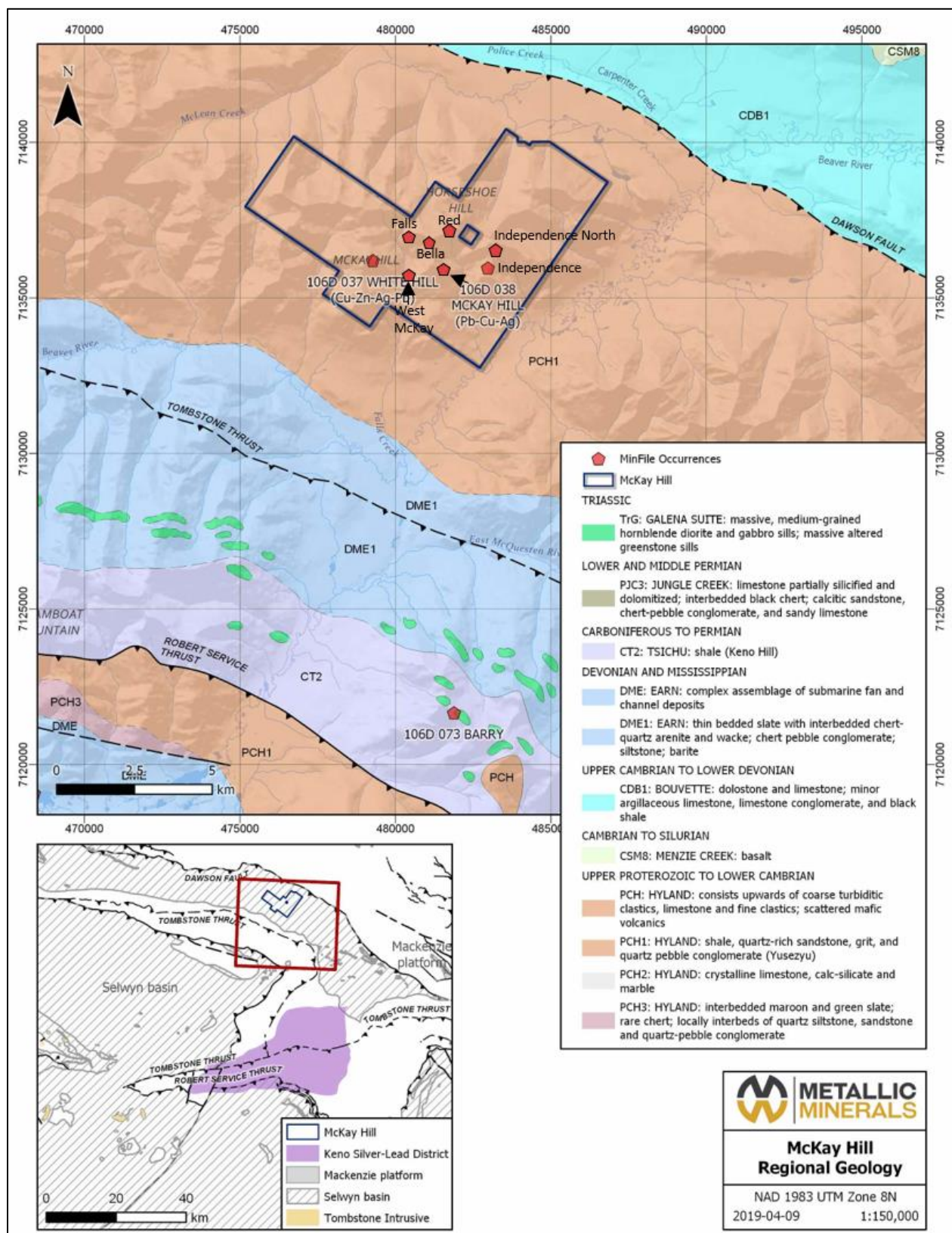
The Hyland Group consists upwards, from oldest to youngest of coarse turbiditic clastics, limestone and fine clastics typified by maroon and green shale and may include younger scattered mafic volcanic rocks (Gordey and Makepeace (compilers), 2003). The Hyland Group is divided into two formations- the Late Proterozoic to Cambrian Narchilla Formation (PCn) and the Late Proterozoic Yusezyu Formation (PY). The McKay Hill area is mapped to cover the older Yusezyu Formation which is described by Roots (1997) as consisting of metamorphosed sandstone, grit, black slate, minor limestone, chlorite schist and conglomerate.

Yusezyu Formation stratigraphy comprises shale-siltstone, sandstone-quartzite with younger lesser grits. The extensive hypabyssal volcanic rocks found at McKay Hill are not incorporated into the geological models proposed for the formation and conglomerate within the Yusezyu Formation are described as containing strained quartz and feldspar sedimentary clasts surrounded by little matrix material (Blackburn, 2010). However, on the McKay Hill property most clasts found within the conglomerate are undeformed and volcanic in origin (Blackburn, 2010). These findings suggest that the Hyland Group Yusezyu Formation *does not* in fact underlie the McKay Hill area, but may represent the extension of the

Middle (?) Cambrian to Early (?) Ordovician volcanic rocks (“Dempster volcanics” (COv)) mapped by Abbott (1997) on NTS map-sheets 116A/10 116A/11.

During the 2018 program, Maurice Colpron (Head, Regional Mapping, Yukon Geological Survey) visited the property. Colpron and Blackburn visited various areas on the property to confirm the Narchilla Formation thrust contact with the Marmot Group volcanics on the McKay Hill claims. Samples were collected for geochron dating including conglomerate for detrital zircons, limestone clasts that are partly melted and assimilated in basaltic flows for (potential) archaocyphthiad fossils, as well as chert-argillite for radiolarian samples. Unfortunately, analysis of these samples did not confirm any ages. In addition, the unconformable contact between Narchilla Formation and Algae Formation was mapped (refer to **Table 3**, page 18, and **Figure 5**, page 20).

Figure 4. Regional Geology



3.2 McKay Hill Property Geology

Cockfield's 1920's-era mapping efforts described meta-sedimentary and volcanic packages covering the project area. As aforementioned, no 1:50,000-scale mapping has been conducted in the area despite the significant exploration history. Regional, 1:250,000-scale mapping (Nash Creek (106D) map-sheet) extends the regional stratigraphy of Hyland Group, Yusezyu Fm. rocks to underlie the area. However, in agreement with Cockfield's circa 1920's-era findings, Monster Mining Corp. and Metallic Minerals Corp. have verified the presence of siliciclastic and hypabyssal-volcanic rocks (refer to page 22 for **Figure 5. McKay Hill Area Property Geology**) which may represent the Dempster Volcanics of the Marmot Group. The following is taken from Blackburn (2010):

Previous mapping completed in the area by Cockfield (1924a, b and 1925a, b) recognized two units within the siliciclastic sequence—sedimentary and breccia/volcanic rocks. In 2009 these units were broken up and described more specifically as: sedimentary rocks comprising slate, conglomerate and sandstone grit, and hypabyssal volcanic rocks comprising basalt (amygdaloidal, vesicular and pillowed), andesite, volcanic tuff and their brecciated equivalents.

Extensive fine-grained grey-blue slate and matrix-supported, polymictic, cobble-conglomerate (diamictite) are present as a steeply dipping, near vertical, succession striking roughly northwest. Slate bedding appears to be parallel to foliation consistently in the mapped area, less a few localized pockets where it was observed as an argillic-altered slate breccia related to brittle deformation along discrete topographic depressions presumed to be faults. Layers of fining-upwards, poorly bedded conglomerate are characterized by very fine to fine-grained, immature matrix material, enveloping poorly sorted sub-angular to sub-rounded clasts. The diamictite unit is one of the more favorable hosts for deep level Ag-Cu-Pb mineralization. Clasts (≤ 15 cm) of primarily volcanic (and lesser sedimentary) origin appear to float in the finer-grained detrital clay-rich matrix. A thin bed of poorly sorted sandstone grit overlies the conglomerate and is penetratively weathered a distinct rusty-orange colour.

The interior of the succession comprises thickening upward intercalations of volcanic rocks. Most notably, andesite and basaltic units with extensive local variation. Amygdaloidal, vesicular and pillowed basalts were observed on the property illustrating the local variation along strike. Calcite ($\pm$ quartz) circular to oblong amygdules (≤ 3 mm) comprise $\leq 35\%$ of the amygdaloidal basalt, this unit was noted to almost always exhibit a weak to well-developed penetrative planar fabric and hosts numerous high-level siliceous veins. Two small, hillside outcrops of pillowed basalt were mapped on the southwest end of the map area on the west margin of the thick conglomerate layer. These pillows were distinctly concentric with a northeasterly younging direction and locally were brecciated and generally vesicular. Highly porous basalts with abundant vesicles were noted on the property as small, but prolific, localized lenses on the west end of the map area. This unit appears to be particularly favourable host for mineralization at depth. Volcanic tuff is a favourable host for deep-level base metal mineralization at the Snowdrift vein where its groundmass is replaced with galena $\pm$ copper carbonate minerals (namely azurite, malachite $\pm$ chrysocolla). Outcrops of volcanic tuff, surrounded by resistant andesite, were noted to exhibit extensive iron-carbonate and propylitic (? Clay) alteration. At the center of the map area a resistant knob

of massive (locally foliated), dark green hornblende-porphyritic to nearly aphanitic, locally propylitic altered (clay $\pm$ pyrite) andesite forms the top of McKay Hill.

Lithological contacts between units are parallel to foliation, which consistently strike roughly northwest and steeply dip (Blackburn, 2009; this study). Further structural work by Nicholson (2011) estimates the foliation fabric to be consistent within the study area, with an average of 289N/71°NE. All units have undergone greenschist facies metamorphism (Pautler, 2009). This host sequence is intruded by minor diorite and gabbro sills, which are, according to Pautler (2009) and Ettlinger (2012) considered favourable host rocks for mineralized veins. Work performed over the past few years outlines that, while this is sometimes true, numerous veins are hosted at the contact between mafic intrusive or extrusive bodies and brecciated units (of volcanic or sedimentary origin) or within sedimentary units.

In 2011, Monster Mining Corp. performed a 10-day structural study (Nicholson, 2011) focusing on the different controls on vein emplacement in the 'McKay Hill' and 'Independence Hill' zones. The main goal was to develop drill targets and establish a geological framework for identifying potential precious metal targets outside the areas of known mineralization. Main results include the delineation of four main deformation events affecting the property (see below) as well as the generation of an extensive structural measurement database.

- D₁ is associated with the late Jurassic-early Cretaceous accretion of allochthonous terranes on the Ancestral American craton. At McKay Hill, D₁ generated the regional foliation and associated minor folding as well as faults and veins with the average 284N/84°NE orientation.
- D₂ corresponds to a shift from the main northward compressional event to a dextral transcurrent regime after the emplacement of the Dawson thrust. At McKay, it is expressed as steeply dipping faults and veins averaging 358N/81°E.
- D₃ represents a period of extension associated with initiation of movement along the Tintina fault and expressed by the emplacement of the Tombstone intrusive suite. At McKay Hill, D₃ is expressed by a series of mineralized tensile veins oriented 220N/87°NE on average. Veins are quartz-dominated and can be up to 2 meters wide.
- D₄ is a poorly constrained compressive event post-Tombstone intrusive event and Dawson thrust movement. It reactivated older faults and generated new faults and veins oriented 150N/17°SW on average.

In 2018, Metallic Minerals Corp. furthered property-scale (1:45,000) mapping (refer to **Figure 5**, page 20) over the central portion of the claim block to develop improved stratigraphic and structural constraints on the proposed underlying geology (*i.e.*, Marmot Group rather than currently mapped Hyland Gp., Yusezyu Formation; Blackburn, 2009). As noted above, the thrust contact between the Marmot Group volcanics (which underlies McKay Hill) and the Narchilla Formation slate was located. In addition, the unconformable contact between Narchilla Formation and Algae Formation was mapped (see *Photo-plate 2(A)*, page 19). Further stratigraphic relationships can be seen in *Photo-plate 2(B, C)*, (page 19). The Algae Formation limestone is currently interpreted to underlie a large portion of the southwestern corner of the property. In addition, it is important to note that basalts with partly melted/assimilated clasts of limestone were found on a south-facing slope in the West McKay Zone, which may be assimilated Algae Formation limestone (see *Photo-plate 2(D)*, page 19). Further investigation is needed to fully understand the extent of the Algae Formation.

The resulting map depicts the current geological interpretation based on the compilation of multiple years of mapping data along with orthophotography interpretation which assisted in identifying

property-scale structures. The proposed model invokes multiple faults that strike approximately 330° which bound McKay Hill and the main mineralized zones. This model proposes that the D₂ dextral transcurrent regime led to block rotation within a dextral wrench zone. Within this wrench zone, clockwise warping and folding of the lithologies occurs. This is reflected by the rotation of bedding and foliation strike, which is most prominent in the slate and grit. In this model, the mineralized veins at McKay Hill appear to lie along a limb (with parasitic folding) of a broader antiform. Mapping during future field programs coupled with subsurface data from planned drilling will assist in refining this geological interpretation over the coming years.

Table 3. Property-scale Lithological Units

Age	Regional Unit	Unit	Description
Cambrian to Silurian	Marmot Group	Mafic volcanics	Package of variably calcareous volcanics including basalt (vesicular, pillowed, hyaloclastite, iron-carbonate altered to silicified varieties), agglomerates (locally re-worked to conglomerate), minor volcanic tuff and gabbroic rocks.
		Gunmetal slate	Dark gunmetal blue, very fine grained, very fissile slate; minor lithic arenite.
		Grit	Package of ubiquitously calcareous, fine to medium grained, moderately to poorly sorted, quartz- and lithic-bearing arkoses; finely laminated, siliceous siltstones, tan-weathering boulder conglomerates with calcareous groundmass, and black, massive, very fine-grained mudstones
Neoproterozoic to Lower Cambrian	Narchilla Formation	Green-maroon slate	Pale grey-apple green to maroon, very fine grained, fissile slate
		Arkose	Pale gray, medium grained, massive, quartz-feldspar-biotite (chlorite?) arkose.
	Algae Formation	Limestone	Very fine crystalline, dark grey-black, pale grey weathering, massive to finely laminated

Thrust

U/C

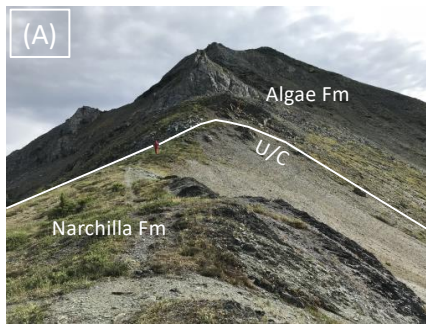
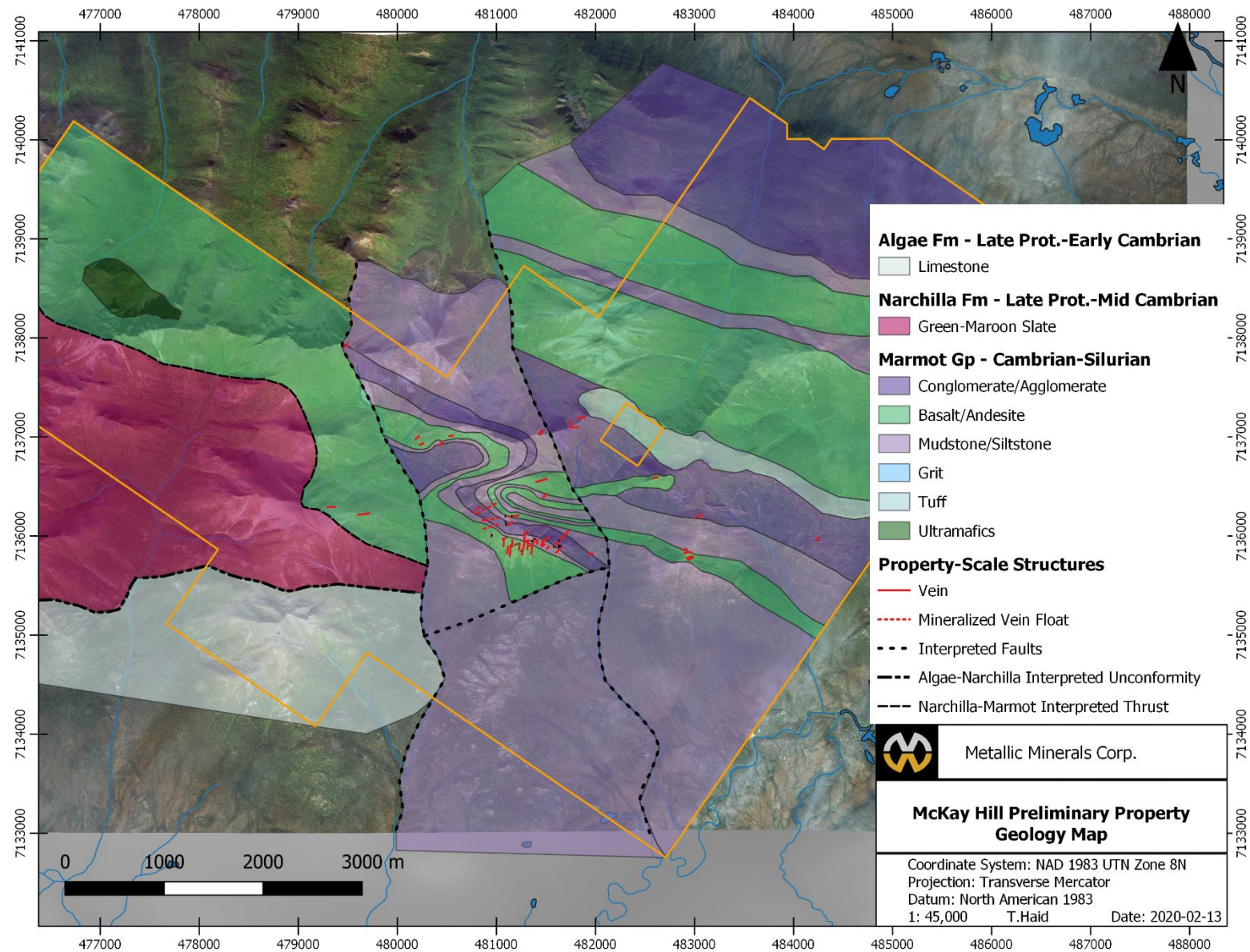


Photo-plate 2. (A) Looking at Narchilla Formation slate unconformable contact with Algae Formation limestone (E0478904/N7135441); (B) Sharp contact between pyroxene-plagioclase-phyric basalt above conglomerate (E0484329/N7138369); (C) Looking at textbook hyaloclastite (quenched basalt) subaqueous flows (E0484348/N7138326); (D) Pillowed, locally-vesicular, basalts with intrapillow carbonate (limestone) E0477850/N7138477).

Figure 5. McKay Hill Area Property Geology



4 Mineralization-Style & Deposit-Type

McKay Hill encompasses MINFILE occurrences 106D 037 (White Hill), 106D 038 (McKay Hill), 106D 100 (Bella), 106D 101 (Independence), 106D 102 (Red), 106D 103 (Falls), 106D 104 (Independence North), 106D 105 (West McKay), and has historically been explored for Keno Hill-style polymetallic Ag-Pb-Zn veins. To date, 40 mineralized veins have been located in the property area, including 6 quartz veins (North, North A, North B, North C, North D, and No. 4) that are known to be enriched by the No. 6 corridor. This also includes an additional 3 new veins which were discovered during the 2019 field season – two east of the Independence Zone (McKay East), and one at the western periphery of Red Zone (refer to **Figure 3**, page 10).

Known mineralization at McKay Hill occurs as a series of decimetre to metre-scale quartz- galena $\pm$ copper oxides $\pm$ sphalerite $\pm$ sulfosalts veins with banding and localized brecciation parallel to vein walls observed on well-developed veins (refer to *Photo-plate 3* (A, C, D); following page). In lithological units with high initial porosity such as conglomerates, mafic volcanoclastics and grit (coarse, weakly reworked sandstone), mineralization is frequently observed as matrix replacement-type (refer to *Photo-plate 3* (B); following page). In 2009, Bennett and Blackburn (2009), categorized mineralized occurrences part of the McKay Hill showing into three zones: 1) high-level quartz-carbonate-gold mineralization zone; 2) quartz-carbonate-gold-galena ($\pm$ lead) transition zone; and 3) low-level galena mineralization (refer to Blackburn, 2009). This vertical zonation may also relate to fluid genesis over time.

This classification is based on an interpreted vertical zonation from gold-copper in hypabyssal volcanic rocks to: “deeper level massive galena mineralization in less competent sedimentary ($\pm$ highly vesicular volcanic) rocks” (Blackburn, 2009). It is important to note that mineralization is post-D₁ deformation; *i.e.*, veins crosscut the main foliation, therefore a spatial zonation based on the nature of the host rock is important, since these units were already deformed prior to vein emplacement. Structural telescoping of the system through unrecognized faults may be another reason for the spatial juxtaposition of high- and low-level veins at McKay. A final hypothesis includes the occurrence of two separate mineralizing events leading to the zonation contrast. Nicholson (2011), also states that the mineralization is concentrated where D₃ (220N/87°NE) veins intersect D₂ (358N/81°E) structures. D₄ event is also responsible for a potential second mineralizing event or remobilization of D₃-related mineralization. The association of these deformation events with mineralization may be supported by the relationship between vein strike orientation and variation in ore tenor, as high tenor (0°-30° vein strike) transitions to moderate (30°-60° vein strike) and low tenor (60°-90° vein strike; see **Section 4.1** for further details).

In 2009, Blackburn presented an alternative deposit type for the mineralization style observed in the area which was then interpreted to represent polymetallic Ag-Pb-Zn Keno Hill-type veins. An epithermal model was presented, and it was speculated that the mineralization may be of high-sulphidation type. Since 2009, limited work has been completed concerning mineralization-style (fluid source, chemistry etc.), however, in culmination with data collected to date, an intermediate-sulphidation epithermal model appears to most accurately fit.

Intermediate-sulphidation deposits are often on the shoulders of porphyry systems and are frequently temporally-related to Carlin gold deposits. Interestingly, the neighbouring ATAC Rau-Nadaleen Block property is interpreted to represent a Carlin-type deposit.

Intermediate sulphidation deposits are generally characterized by the following (refer to Sillitoe & Hedenquist, 2003):

- Generally, ore is present as veins and breccia, similar to low-sulphidation epithermals but with coarser banding;
- Alunite may be present, as often in high-sulphidation epithermals;
- In addition to gold, usually contain significant silver & lead (galena), zinc (sphalerite) at depth;
- Gold and silver deposition are controlled by boiling, base metal mineralization is mainly by fluid mixing and cooling.

The aforementioned characteristics largely describe the overall observations at McKay Hill, whereby placing the Central Zone, which is primarily coarsely-banded base-metal veins/breccias at lower level (*i.e.*, originally at depth in deposit) and the Independence Hill Zone which has boiling and cockade-textures, at a higher level (*i.e.*, originally closer to surface within the ore shoot). It may be the ore shoot has since tilted to the north-northwest thereby creating a vertical zonation that daylights along the hillsides, particularly along ridges. Alternatively, the D₂ dextral transcurrent regime which is believed to have led to clockwise warping and folding of the lithologies occurs, and the mineralized veins at McKay Hill appear to lie along a limb (with parasitic folding) of a broader antiform. The volcanic package (a favourable host for mineralized veins on McKay ridge), may extend east-northeast between the Bella and Red Zones, and could represent a prospective area to host the other limb of the Central Zone mineralized system. The Syd vein was found between these two zones in 2019, hosted in basalt. Further prospecting needs to occur between these two zones in future programs.

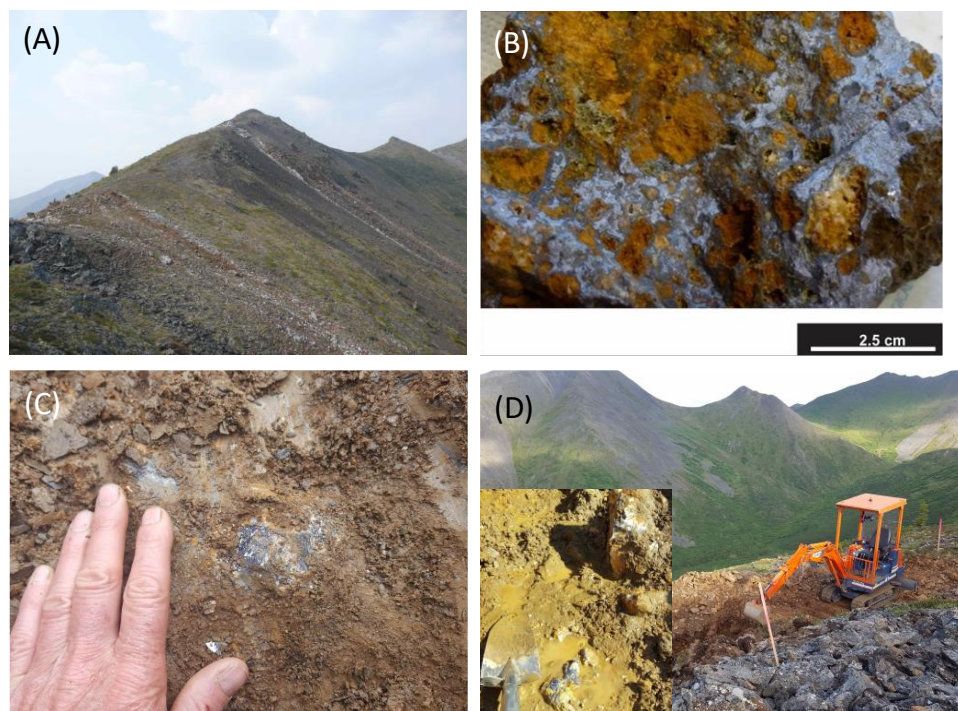


Photo-plate 3. (A) McKay Hill ridge mineralized vein occurrences on the south face, looking north-northwest (M. Bindig, from Blackburn, 2009); (B) Replacement type galena vein in conglomerate (Blackburn, 2009); (C) Galena mineralization (No. 8 vein) exposed in MHTR-18-24; (D) Excavating MHTR-18-33 and exposing the new Chinook vein (inset).

4.1 Vein Summary

Following the 2019 field season, an updated total of 40 veins have been identified on the McKay Hill property, 32 of which have been sampled and report base-metal mineralization, and 8 of which are unmineralized or have yet to be sampled. **Table 4a & 4b** (page 24 and 25) displays each of these 40 veins and documents the defining characteristics of each. Three new mineralized veins were discovered during the 2019 program (refer to **Figure 3. Known Zones at McKay Hill & Veins Located to Date**, page 10), all three of which were from outside the Central Zone, continuing to expand the extent of known mineralization on the property. The Dori and Nemo veins, while low-tenor, are the easternmost veins that have been found on the property to date.

A mineralized vein orientation analysis was completed following the 2018 field season, where orientations from 20 mineralized veins were measured and plotted in a rose diagram (**Figure 6**, page 26). It should be noted that for the historically significant No. 6 vein – which is now believed to be a vein corridor with multiple surface expressions – 10 total measurements (N=10), each from different exposures within the corridor, were used in the analysis, with N=1 for all other veins for a total of 29 data points. After compilation, these orientations outline three strong trends: 030°, 060°, and 090° N.

Current interpretation of these three major trends is that these vein orientations are Riedel shear conjugates which splay off from an east-west structure. The tenor of mineralization also appears to have a direct relationship with the vein orientation. High tenor (Au, Ag) appears to be most associated with the 030° orientation, moderate tenor (Ag, Pb) associated with the 060° orientation, and low tenor (Zn, Cu) associated with the 090° orientation. It is hypothesized that these more northerly-striking veins act as better structural traps for ore deposition, while the more E-W trending veins parallel the regional stratigraphy (and perceived fluid conduit), which leads to reduced structural traps and smaller veins, with ore-bearing fluids precipitating along favourable lithologic contacts.

Table 4a. McKay Hill Vein Summary (Part 1)

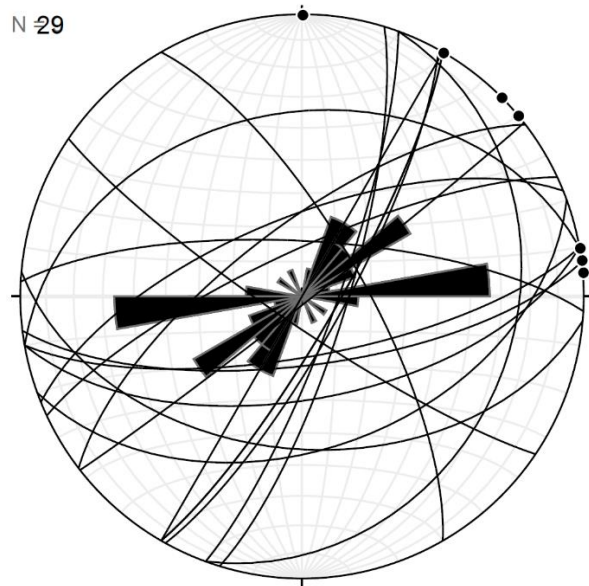
Vein	Area	Easting	Northing	Strike	Dip	Geochemical Highlights						Host Rock
						Sample	Ag (g/t)	Au (g/t)	Pb (%)	Zn (%)	Cu (%)	
Blackhawk	Central Zone	481607	7135834	315°-345°	70°-75°NE	29890	551.00	0.51	47.30	1.16	0.51	Basalt/andesite or intrusive equivalent
Blackhawk West	Central Zone	481581	7135890	045°		113390	919.00		82.55	1.03	0.05	Basalt/andesite or intrusive equivalent
Blackhawk East	Central Zone	481952	7135822			1895761	177.00	0.04	>20.0	12.35	0.00	Textbook' agglomerate to local conglomerate
Snowdrift	Central Zone	481465	7135938	200°-240°	70°NW	MK006	668.00	15.60	2.40	0.94	3.90	Grit
Snowdrift Ext	Independence NW	483056	7136202	273°	74°NW	580076	98.50	0.34	0.07	0.95	3.01	Basalt/andesite or intrusive equivalent
No 1	Central Zone	481519	7135882			not sampled						
No 1 W	Central Zone	481472	7135905			29887	502.00	0.77	46.37	0.47	2.40	Amygdaloidal to vesicular basalt
Hertl	Central Zone	481458	7135919	050° (Vein float)		1480004	565.00	0.03	81.53	0.05	0.31	Amygdaloidal to vesicular basalt
No 2	Central Zone	481410	7135930	360°		526147	608.00	0.22	35.20	3.50	3.22	Andesite
No 3	Central Zone	481403	7135953	010°		526149	29.00	0.48	3.73	0.01		Calcite-rich grit
No 4	Central Zone	481377	7135967	080°	70°-75°S-SE	1480123	5.10	0.01	1.01	20.75	0.04	Contact between unoxidized graphitic slate (FW) and highly oxidized basalt (HW)
No 6	Central Zone	481277	7135939	030°	Near vertical	1907517	988.00	24.40	37.74	3.71	7.97	Conglomerate, re-worked volcanic tuff ± basalt
No 7	Central Zone	481070	7135972	250°	54°NNW	526242	1.40	0.04	0.02	0.03	0.01	Basalt/andesite or intrusive equivalent
No 8	Central Zone	481139	7136132	085°	SE	MK002	646.00	16.80	27.00	0.14	0.64	Basalt (juvenile)/gabbro
No 9	Central Zone	481155	7136196	075°-090°	SSE	MK009	366.00	0.36	25.00	6.90	0.72	Contact between slate and silicified basalt
Chinook	Central Zone	480152	7136005	20°	25° ESE?	1480136	270.00	0.06	29.82	1.47	0.54	Basalt (silicified)
North	Central Zone	481159	7135950	70° (?)	45°SSE	526241	372.00	1.84	22.74	7.01	1.96	Basalt/agglomerate
North A	Central Zone	481070	7135908	360°		not sampled						
North B	Central Zone	481110	7135830	360°		not sampled						
North C	Central Zone	481240	7135890	360°		not sampled						
North D	Central Zone	481319	7135945	360°		not sampled						
Bella	Bella Zone	481419	7136554	080°	60°S	29895	84.00	0.45	15.19	1.00	1.06	Basalt (iron-carbonate altered) with slate (blue-grey)
Bella 2	Bella Zone	481489	7136409	030°?		1480007	24.90	0.39	1.03	0.21	1.25	
Red 1	Red Zone	481856	7137189	095°	45°S	29892	29.00	0.48	3.73	0.01	0.00	
Red 2	Red Zone	481767	7137098	095°		29893	0.00	0.01	0.04	0.01	0.00	Diorite
Red 3	Red Zone	481747	7137140	360°		1480029	19.60	0.02	1.01	0.46	0.70	Basalt (vesicular) with <20% vfg slate
Syd	Red Zone	481448	7137043	224°	60° NE	1895757	1.00	0.00	0.00	0.01	0.21	Basalt (vesicular) + intrapillow limestone
Falls	Falls Zone	480541	7137012	260°	35°NNW	29897	42.30	0.20	0.97	0.04	1.33	Basalt/andesite or intrusive equivalent
Lower Falls	Falls Zone	480207	7136999	248° ?	67°NNW	1480052	74.40	0.49	3.27	1.47	2.56	Basalt/andesite or intrusive equivalent
Ghost	Falls Zone	480438	7136932	050°?		1480054	18.40	0.00	60.93	11.69	0.53	Basalt (amygdaloidal)
Spell	Falls Zone	480244	7136929			1480056	25.20	0.38	2.02	0.68	1.24	Basalt (amygdaloidal)
Nash	Independence N	482615	7136590	080°		1480058	28.80	0.02	13.54	4.58	1.11	
White 1	White Hill	479325	7136303	050°-090°	80° SE	56853	0.20	0.01	0.03	0.01	0.50	Contact with agglomerate (north) and basaltic sandy flows (south)
White 2	White Hill	479351	7136280	222°	84° NW	1480277	5.20	0.00	0.18	0.01	0.77	Contact with agglomerate (north) and basaltic sandy flows (south)
Independence 1	Independence	482960	7135770			580079	59.70	0.02	10.71	9.04	0.04	Basalt (vesicular) to altered andesite with local slate
Independence 2	Independence	482965	7135775			580078	23.20	0.02	12.36	4.48	0.03	Basalt (vesicular)
Independence 3	Independence	482947	7135836			113852	706.00	0.18	77.81	0.38	1.63	Basalt (vesicular)
Independence 4	Independence	482913	7135867			580082	288.80	0.03	10.94	0.15	0.03	Basalt (vesicular) to conglomerate
Nemo	Snoose 86	484245	7135970	030°	50° SE	1895758	0.00	0.00	0.00	0.01	0.00	Basalt
Dori	Snoose 86	484245	7135971	060°	55° SSE	1895760	0.10	0.00	0.00	0.01	0.00	Basalt

Table 4b. McKay Hill Vein Summary (Part 2)

Vein	Alteration	Sulphides & Oxides	Gangue mineralogy & Vein texture	Description
Blackhawk	Silica-rich	Galena-malachite-azurite $\pm$ scorodite, freibergite	Vuggy, with anhedral quartz with rare <5 mm veinlets of copper oxides. Transparent euhedral quartz filling vugs	Qtz w gal +/- mal, az
Blackhawk West	Silica-rich with proximal iron-carbonate	Galena-tetrahedrite-limonite $\pm$ malachite, azurite, scorodite, tenorite	Vuggy quartz with skeletal/framework textures	Qtz w gal, tetra, +/- mal, tenorite
Blackhawk East	Iron-carbonate	Galena (fine grained to cubiform)	Brecciated quartz vein with ankerite clots healed with 'boiling texture'	Brecciated Qtz w gal, gal as infill (fg to cubiform: steel blue); gal within clear (late) prismatic Qtz; Strong boiling textures; Unable to ascertain vein strike but Fe carb float train trends 065; looks similar to Independence No. 4 vein
Snowdrift	Proximal iron- carbonate, distal silica-rich	Scorodite-malachite-azurite-freibergite $\pm$ tenorite, galena, sphalerite	Vuggy quartz, with both transparent euhedral quartz and anhedral milky white quartz	Qtz w high gr freibergite + mal, az, tr gal
Snowdrift Ext	Proximal iron- carbonate, distal silica-rich	Galena-malachite-azurite $\pm$ scorodite	Milky quartz with vuggy, prismatic, clear crystals. Some botryoidal and skeletal textures	Qtz w abundant az, mal, scor, and fg tetra and arseno
No 1				Potentially Snowdrift?
No 1 W		Galena-malachite-freibergite $\pm$ lead oxide		Qtz w freibergite, gal, mal, PbO
Herti	Iron-carbonate	Galena-tenorite-malachite $\pm$ sulphur, azurite	Brecciated milky white quartz with skeletal/framework textures, internal vugs coated in iron carbonate	Potentially Snowdrift? Between No. 1W and Snowdrift; Qtz w cubiform gal, fecc, sulphur +/- mal
No 2	Iron-carbonate	30-40% euhedral galena $\pm$ tetrahedrite	Anhedral quartz with semi-massive galena and trace copper oxides	Qtz w freibergite, gal; Not exposed. Open-cut orientation.
No 3	Carbonate (?)	Galena 3-5% and limonite (3-5%)	<3 cm pods of sulphides and oxides in quartz gangue	Qtz w minor gal, freibergite; Not exposed. Open-cut orientation.
No 4	Strong iron-carbonate alteration in both units, basalt is moderately silicified	Galena-sphalerite-jarosite-azurite-malachite-scorodite	Zoned vein, from barren quartz (basalt HW) grading to base-metal with Cu-O at the slate FW contact; skeletal textures prominent in mineralized zone	Qtz w gal, skeletal texture
No 6	Weak to moderate pervasive iron carbonate alteration	Galena (>30%)-tetrahedrite and limonite $\pm$ azurite, sulphur - mineralization in surrounding host rocks as replacement style mineralization as well as vein	Quartz. Zonation perpendicular to vein walls from quartz to massive galena at the centre	Qtz w gal, asz, mal, sulphur
No 7		Barren	Milky quartz	White Qtz
No 8	Iron carbonate; Potential chrysocolla observed	Galena (>30%)-tetrahedrite-malachite $\pm$ sphalerite	White quartz with fracture infill of mineralization, semi-massive sulphides	Qtz w high gr freibergite and gal
No 9		Galena-Scorodite $\pm$ azurite, malachite, tetrahedrite	Quartz, unconsolidated and iron altered	Qtz w high gr freibergite, gal, sphal, poss stibnite
Chinook	Strong silicification (distal) and strong to pervasive iron-carbonate alteration (proximal to vein)	Galena $\pm$ malachite, sulphur	White quartz (fractured to vuggy) with strong ankerite infill	Qtz w gal, mal, ankerite
North	Iron-carbonate	Cubiform galena $\pm$ malachite, azurite, sulphur	Milky white quartz, localized brecciation, with localized skeletal/framework textures	White Qtz w gal, freibergite, mal, az
North A		Unmineralized until intersection with No. 6 corridor	Milky white quartz, pre to syn mineralization	Early, pre-syn min. Mineralized by No 6 corridor
North B		Unmineralized until intersection with No. 6 corridor	Milky white quartz, pre to syn mineralization	Early, pre-syn min. Mineralized by No 6 corridor
North C		Unmineralized until intersection with No. 6 corridor	Milky white quartz, pre to syn mineralization	Early, pre-syn min. Mineralized by No 6 corridor
North D	Iron carbonate (at intersection with No. 6 corridor)	Unmineralized until intersection with No. 6 corridor; at intersection: galena $\pm$ sulphur	Massive milky white Qtz (1m x 1m blocks) with local internal brecciation, vugs, clear prismatic (V4) Qtz	Early, pre-syn min. Massive, milky white Qtz vein (1x1m blocks) w/ local internal BRX, FeCC-salt, vugs w/ prismatic (V4) Qtz +/- interstitial gal. At No 6 corridor intersection the No 6 impregnates the North D vein w/ FG sooty galena +/- tr mal-azu. No 6 replacement-style mineralization grades into massive cubiform galena + sulphur + FeCC clots +/- Cu-oxides
Bella	Fracture-controlled iron-carbonate alteration	Galena (<20 %)-malachite-azurite-limonite	Massive quartz vein with common <2 cm euhedral galena crystals and rare azurite-limonite.	Qtz w gal, mal, az, freibergite, PbO
Bella 2		Malachite (1%)-azurite (trace)-galena (trace)		Orientation of open-cut. Qz vein from MH HTR062 open-cut (?). Weakly mineralized with <1% malachite + trace azurite, trace-1% galena.
Red 1		Limonite	White quartz (vuggy)	
Red 2		Limonite	White quartz (vuggy)	
Red 3	Iron-carbonate	Limonite-malachite-azurite-argentite(?)	Quartz breccia with 25-30% slate fragments	Qtz vein breccia (w slate frags) + lim, fecc, mal, az, argentite?
Syd	Iron	Malachite (1%)-pyrite (1%)-azurite (trace)- galena (trace)	Multiphase milky white to translucent prismatic Qtz	Vein is stockworked with mineralized strike at 224°, and also at 030°
Falls		Galena-malachite-azurite $\pm$ chalcopryrite	White quartz carbonate vein with iron coating	Orientations in parentheses are MB measurements 190618MB005; Qtz w gal, mal, az, cp, calcite
Lower Falls		Azurite-malachite-jarosite-tenorite-limonite-sulphur $\pm$ galena, tetrahedrite	White to milky quartz, vuggy (limonite infill)	Orientations in parentheses are MB measurements 180618MB002; Qz vein + mineralization in HW (azurite, malachite, jarosite, tenorite, sulphur + galena +/- tetrahedrite)
Ghost	Pervasive iron-carbonate	Galena (<5%) $\pm$ malachite (1%), sulphur	Skeletal/framework textures	Vfg-CG (non-cubiform) galena vein + sulphurous clots + FeCC + 1% malachite w/ boiling texture.
Spell	Iron-carbonate	Malachite-azurite-galena (<3%)	White quartz with internal brecciation; pull apart clear quartz crystals (V4)	White Qz vn + internal brx + FeCC clots, pull-apart texture with V4 qz crystals, + malachite, azurite, <3% FG galena.
Nash		Galena $\pm$ tetrahedrite, malachite, azurite		High-grade sample from historic dump pile - galena +/- tetrahedrite, malachite, azurite. Qz vein appears oriented 080.
White 1	Trace iron-carbonate	Trace malachite-azurite-galena	Massive white quartz (boulders up to 3m in size)	White and rusty Qtz +/- mal, gal
White 2		Trace malachite-azurite-galena		Qtz w gal-cp (mal-az)
Independence 1	Iron-carbonate	Galena	Highly brecciated quartz vein	High gr gal in andesite and salte
Independence 2	Iron-carbonate	Galena		Solid gal
Independence 3	Pervasive silicification	Galena (massive)-limonite (boxwork) $\pm$ malachite (trace), pistachio green oxide	Coarse quartz, highly brecciated and silica healed	Qz (coarse) w massive gal and tr mal
Independence 4	Iron	Galena-tetrahedrite	Brecciated quartz vein	Qtz float with fg gal/tetra, bx
Nemo	Iron-carbonate (weak) and silica rich (weak)	Unmineralized	Milky white Qtz vein with tr lim with open space prismatic Qtz along HW	Milky to prismatic Qtz (mod int breccia) with trace lim and trace py/gal
Dori	Iron-carbonate (weak) and silica rich (weak)	Unmineralized	Qtz (weakly brecciated along HW) and(mod) lim vein	Milky to prismatic Qtz (mod int breccia) with trace lime and no mineralization

As noted previously, multiple dextral offsets from ~330°N-oriented faults at the meter-scale have been mapped throughout the Central Zone and beyond. These have been observed to offset the No. 6 stockwork zone. Along with this zone, the only other significant vein that does not fit into the three main orientations described above is the Blackhawk vein, which returned samples with values high in Ag and Pb. This is also thought to be related to D₄ compression/remobilization along the late ~330°N-oriented dextral faults identified throughout the property.

Figure 6. Equal area projection stereonet with vein orientations observed*



* N=10 for No. 6 vein, N=1 for all other veins

5 2019 Work Program

The 2019 exploration program was completed from August 26th and 27th, 2019 and included camp maintenance; targeted prospecting activities over four areas of interest; ridge-and-spur soil sampling (3 lines); and TerraSpec scanning of rocks over the Central Zone for a total of 11 man-days at a cost of \$19,369.60. Operations were centred out of Keno, with flights into McKay for the two days of exploration. In summary, the exploration program included:

- Camp maintenance – reinforcing collapsed framed structures from the previous winter;
- Targeted prospecting and mapping between Bella and Red Zones, McKay East, Independence Zone, and Blackhawk East;
- Collection of 104 ridge-and-spur soil samples over 3 lines; and
- TerraSpec Halo scans of lithologies and mineralization across the Central Zone.

5.1 Camp Maintenance

At the start of the 2018 field season an 8-(temporary) structure camp was constructed on a flat knob along-side Red Gulch on the north-side of McKay Hill Central Zone. The camp includes 6 framed 14' X 16' for the camp first aid, office and staff accommodations. An 18' X 20' kitchen and a 14' X 16' dry was also constructed. The completed camp at the end of the 2018 exploration program can be seen in *Photo-plate 4(A)*. Due to heavy snows over the 2018-2019 winter, many of the structures partially collapsed due to the weight of the snow on the tarp rooves. Two days of maintenance were completed to reinforce the structures and remove the tarps for the upcoming winter in order to ensure that the camp is ready for use in 2020.

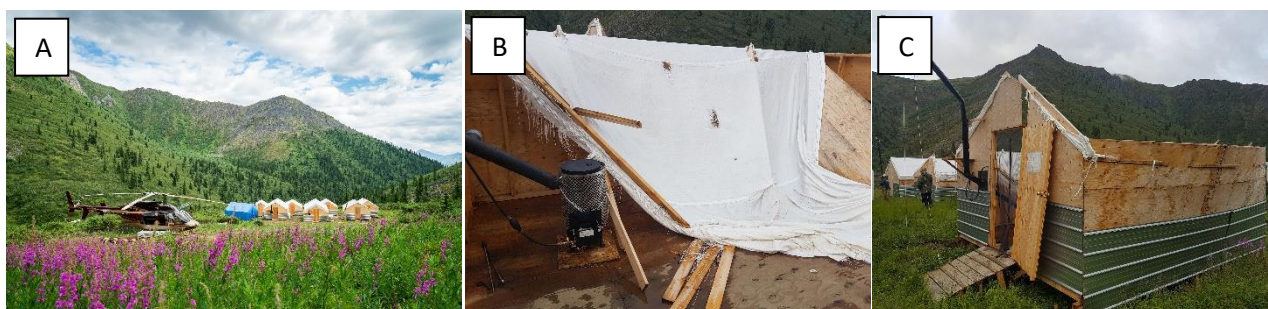


Photo-plate 4. (A) Completed McKay Hill camp in 2018 with Bell 407 helicopter in foreground; (B) Damage to a sleeping quarters structure from the 2018-2019 winter; (C) State of some structures upon arrival in August 2019. All structures have since been repaired.

5.2 Prospecting

During the 2019 field season an additional 3 new veins were discovered: the Syd vein due west of Red Zone, as well as the Dori and Nemo veins east of Independence (McKay East). None of these veins had any evidence of historic workings. All three vein discoveries were based off targeted prospecting of areas of interest generated through interpretation of lineaments and compiled work from past seasons.

Following the detailed mapping and development of a preliminary structural model for McKay Hill, it was projected that a vein structure would be found between the Bella and Red zones. To test this hypothesis, a traverse was completed along the ridge between the two zones on August 26th. While traversing northeast along a ridge from Bella towards Red Zone, quartz float was found on surface.

Further investigation on the northern slope of the ridge led to the discovery of a multiphase stockworked quartz vein hosted in basalt with major orientations of $030^{\circ}/90^{\circ}$ and $224^{\circ}/60^{\circ}$. This multiphase milky white to translucent prismatic quartz vein contained trace malachite, azurite, and pyrite, and was coined the Syd vein (see *Photo Plate 5*, below). Further prospecting in this area should be completed, preferably with a TerraSpec Halo to map out potential clay mineralogy that may point to unexposed mineralized structures.

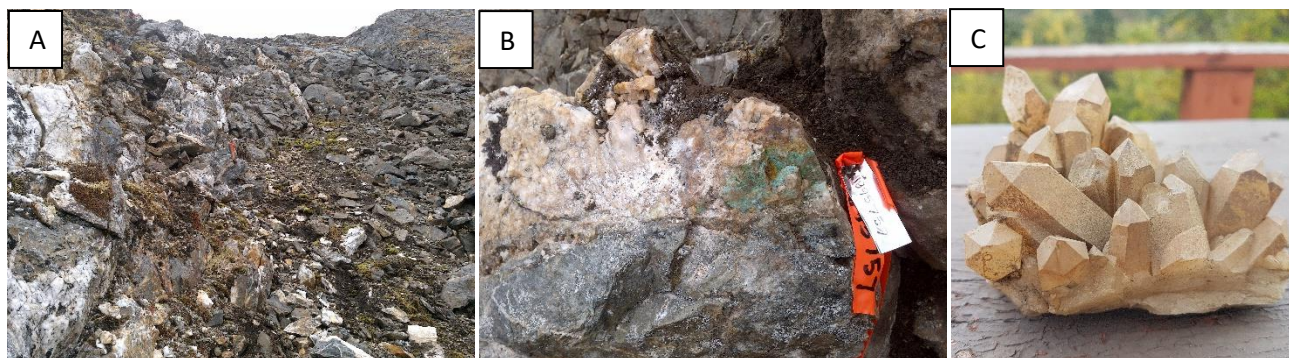


Photo-plate 5. (A) North face of Bella-Red Connector ridge with stockwork milky white quartz veins (Syd); (B) Sample 1895757 with visible malachite; (C) Prismatic quartz (V_4) that is characteristic of the Syd vein.

On August 27th soil sampling and concurrent prospecting were completed by a TruePoint staff member along an eastern spur of Independence Ridge, which led to the identification of several barren quartz veins at the contacts of alternating units of basalt (variably altered) and slates. No mineralization was identified during this traverse. At the same time, the authors were flown to a southern spur off an east to west trending ridgeline that continues west to Independence North Zone. Previous flights over this area in past years indicated that there may be a historic cabin in the area. While no cabin was found, prospecting this area led to the discovery of a large milky white massive quartz vein along a predominant aerial lineament. Upon excavation, it was found that two separate, meter-wide quartz veins intersected here (see *Photo Plate 6 (B)*, below). These two veins were observed to have favourable V_3 orientations - named Dori ($060^{\circ}/55^{\circ}$) and Nemo ($030^{\circ}/50^{\circ}$) and are hosted in iron-carbonate altered basalt, with trace pyrite present along vein margin. As seen in **Table 8** (following page), the samples collected from these veins did not return high-tenor chemistry. However, the presence of these meter-scale veins may be indicative of a continuation of the major structures that are required for mineralization at the Central Zone.



Photo-plate 6. (A) Surficial exposure of the Nemo vein at time of discovery; (B) Nemo (left) and Dori (Right) veins following excavation with pelican pick; (C) Locations of samples 1895758 (left) 1895759 (centre), and 1895760 (right).

Finally, the Blackhawk East vein was ground truthed by the authors in order to follow up on samples collected in 2008. The Blackhawk East vein is a highly brecciated quartz vein with prevalent skeletal (boiling textures) healed with ankerite. This vein does not daylight in outcrop, but the float train trends 065° and is hosted in textbook agglomerate. Mineralization is present as galena infill (fine-grained and banded to cubiform) of brecciated vein as well as infill around (late) euhedral quartz. It should be noted that the authors believe this mineralization style to be similar to the Independence No. 4 vein.



Photo-plate 7. Sample 1895791 of the Blackhawk East vein. Note the abundant galena found as breccia infill.

Table 8. Summary of McKay Hill Rocks – 2019 Samples and Selected Results

Sample #	Vein	Easting	Northing	Type	Ag (g/t)	Au (g/t)	Pb (%)	Zn (%)	Cu (%)
1895757	Syd	481448	7137043	Channel	1	0.0046	0.00167	0.0065	0.21054
1895758	Nemo	484245	7135970	Chip	0.05	0.00025	0.00066	0.0123	0.00295
1895759	Nemo	484245	7135970	Chip	0.2	0.004	0.00039	0.0194	0.0038
1895760	Dori	484245	7135970	Chip	0.1	0.00025	0.0035	0.0111	0.00273
1895761	Blackhawk East	481944	7135821	Grab	177	0.0395	20	12.35	0.00491

5.2.1 Rock Sampling – Geochemical Analysis

A total of 5 rock samples were collected as a result of prospecting over the 2019 field season. **Table 8. Summary of McKay Hill Rocks – 2019 Samples and Selected Results** (page 29) displays highlighted results from samples collected from prospecting. Further work will be required in 2019 to follow up on these results at all newly identified veins.

All 5 rocks were sent to Bureau Veritas in Whitehorse for geochemical analysis (full results can be found in **Appendix II**), with multiple packages utilized to properly evaluate the precious metal concentrations, from low- to high-grade. Sample preparation consisted of crushing, split and pulverize 250 g of rock to 200 mesh. Sample splits of 0.5 g were then leached in hot modified Aqua Regia (partial digestion). Thirty grams of the total sample were then analysed for 36 elements using inductively coupled mass spectrometry (ICP-ES/MS) analytical technique. Samples with over limit ($\geq 0.01\%$) Cu, Pb and Zn concentrations were assayed by titration and over limit (≥ 10 ppm) Au and Ag samples were analysed by fire assay and gravimetric methods. Results for the major elements can be seen in **Figures 7-11** (pages 31-35).

Figure 7. Rock Chemistry - Ag

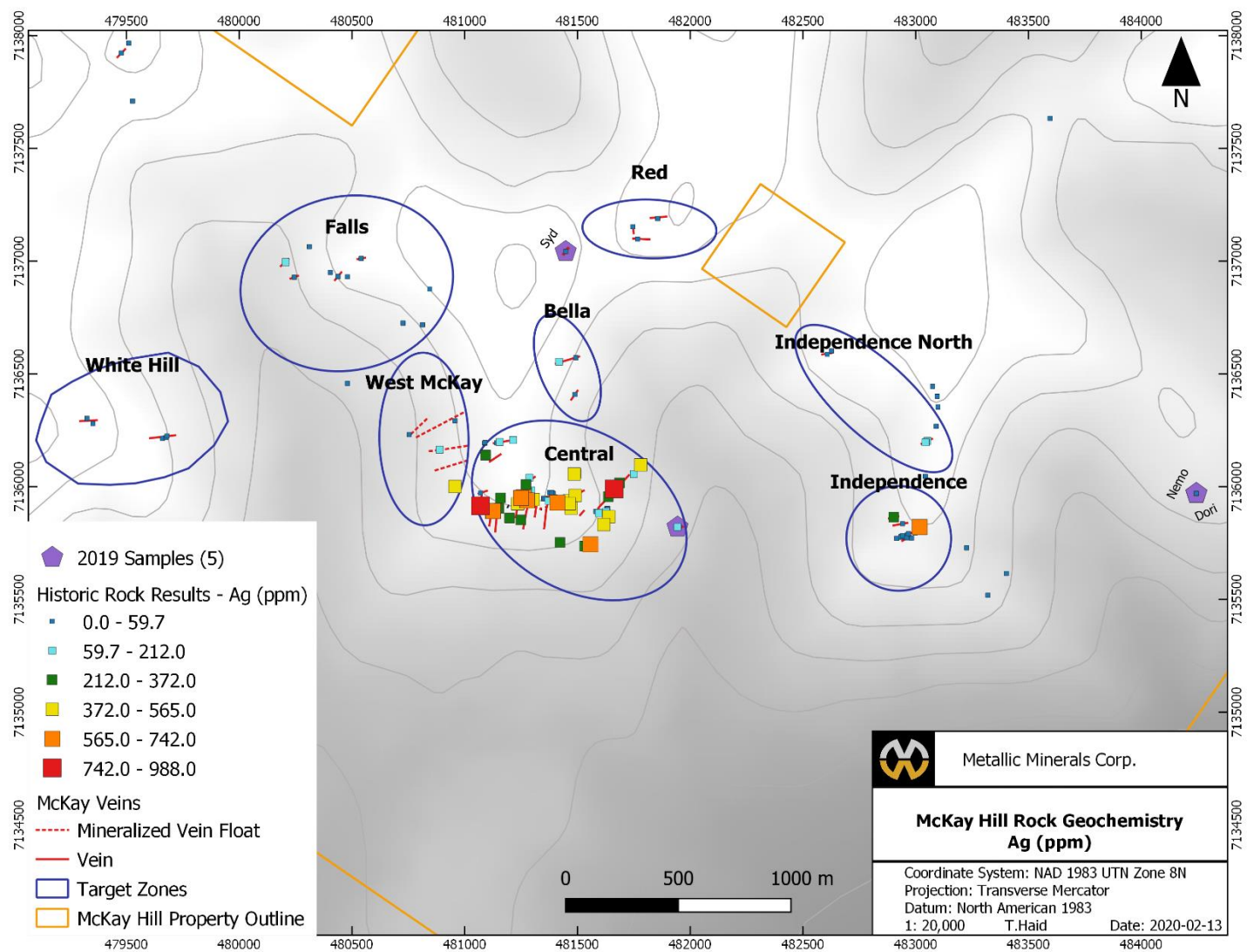


Figure 8. Rock Chemistry – Au

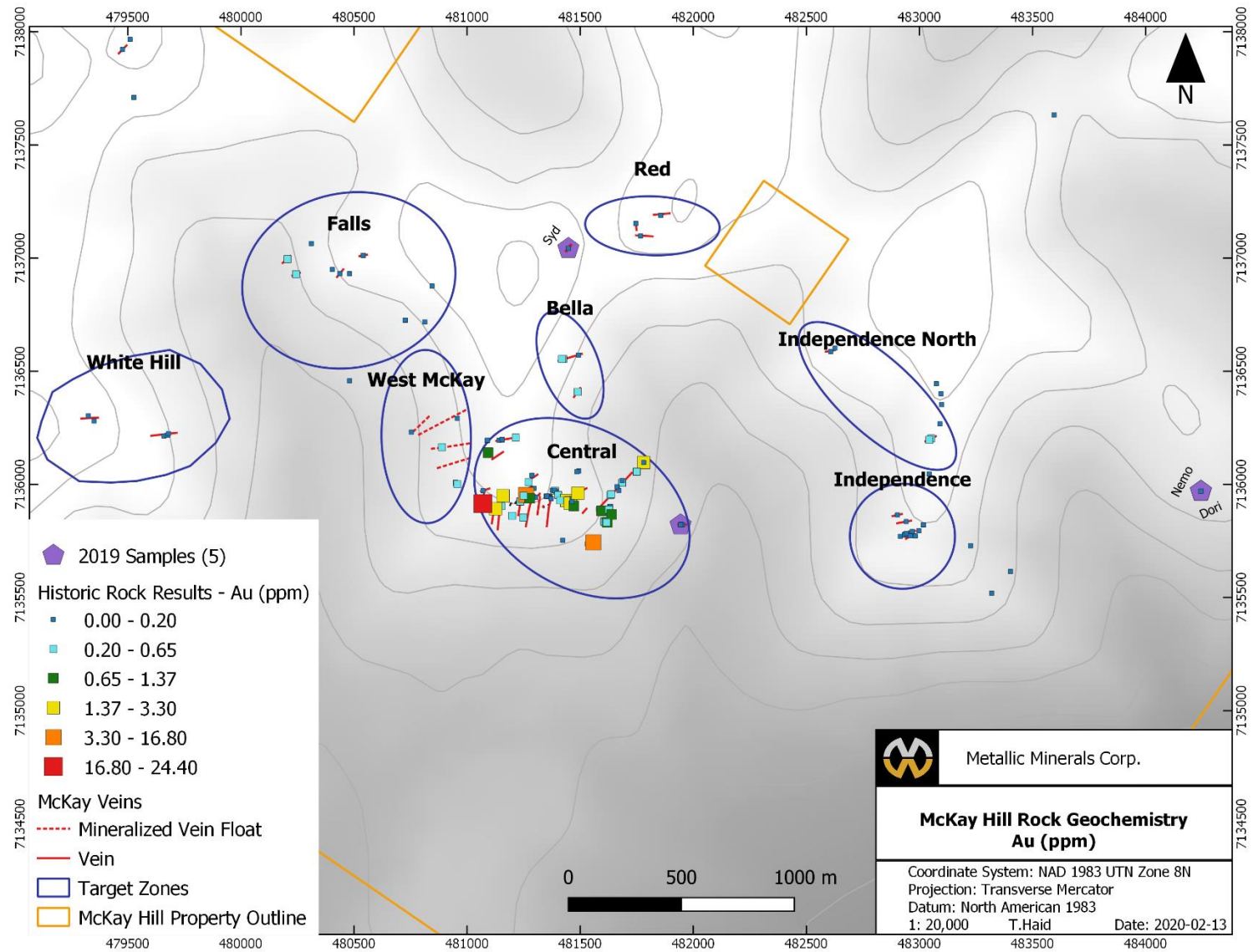


Figure 9. Rock Chemistry – Pb

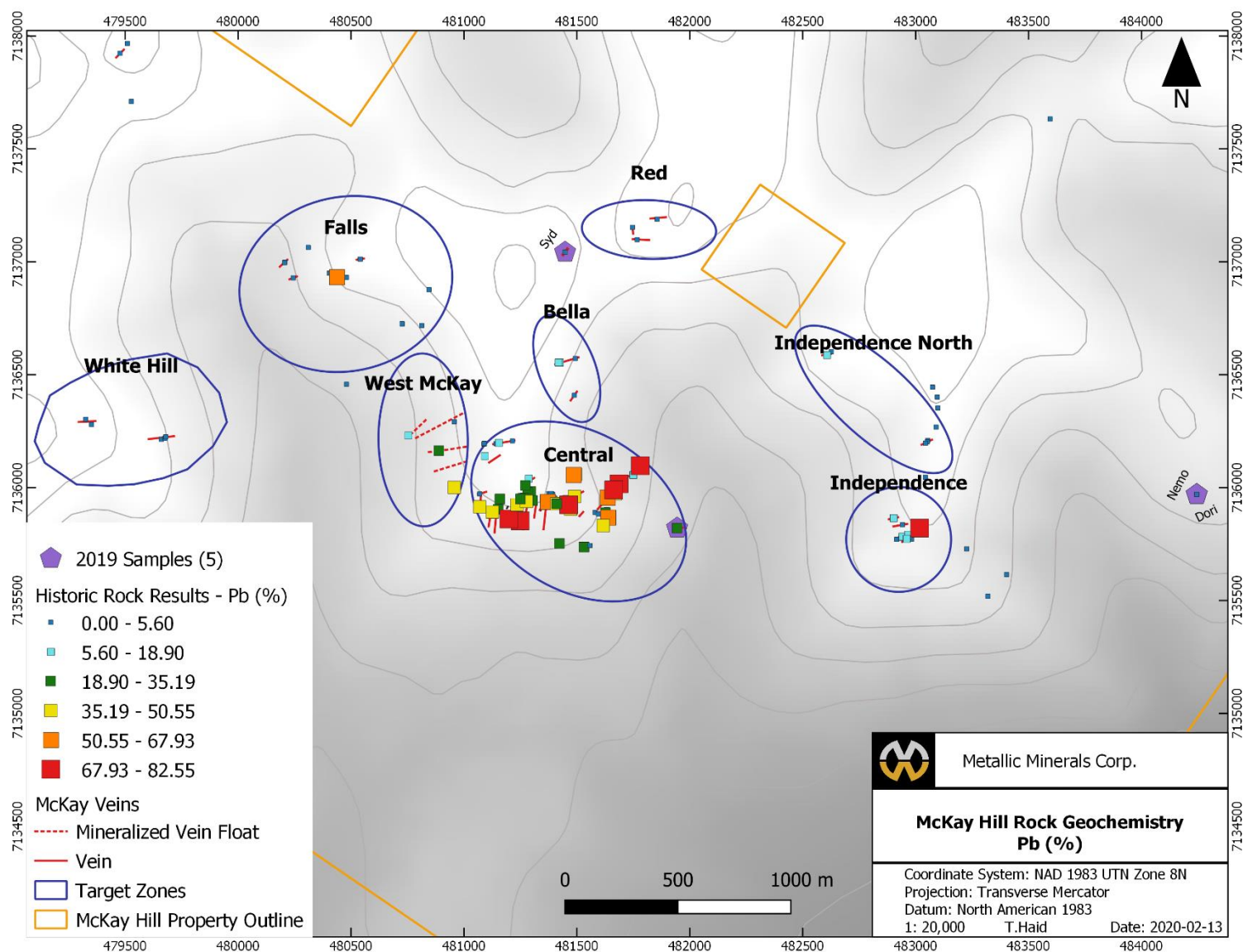


Figure 10. Rock Chemistry – Zn

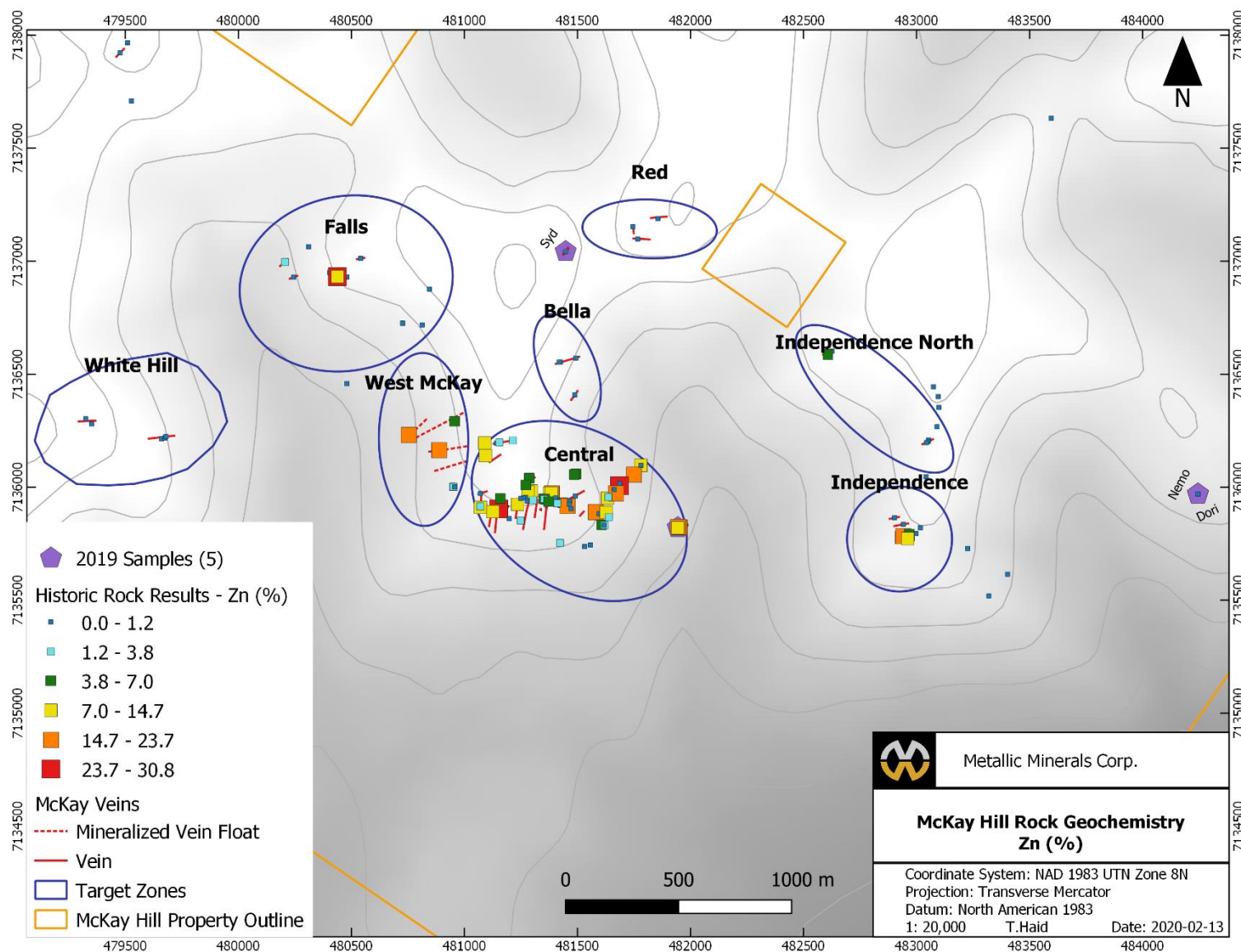
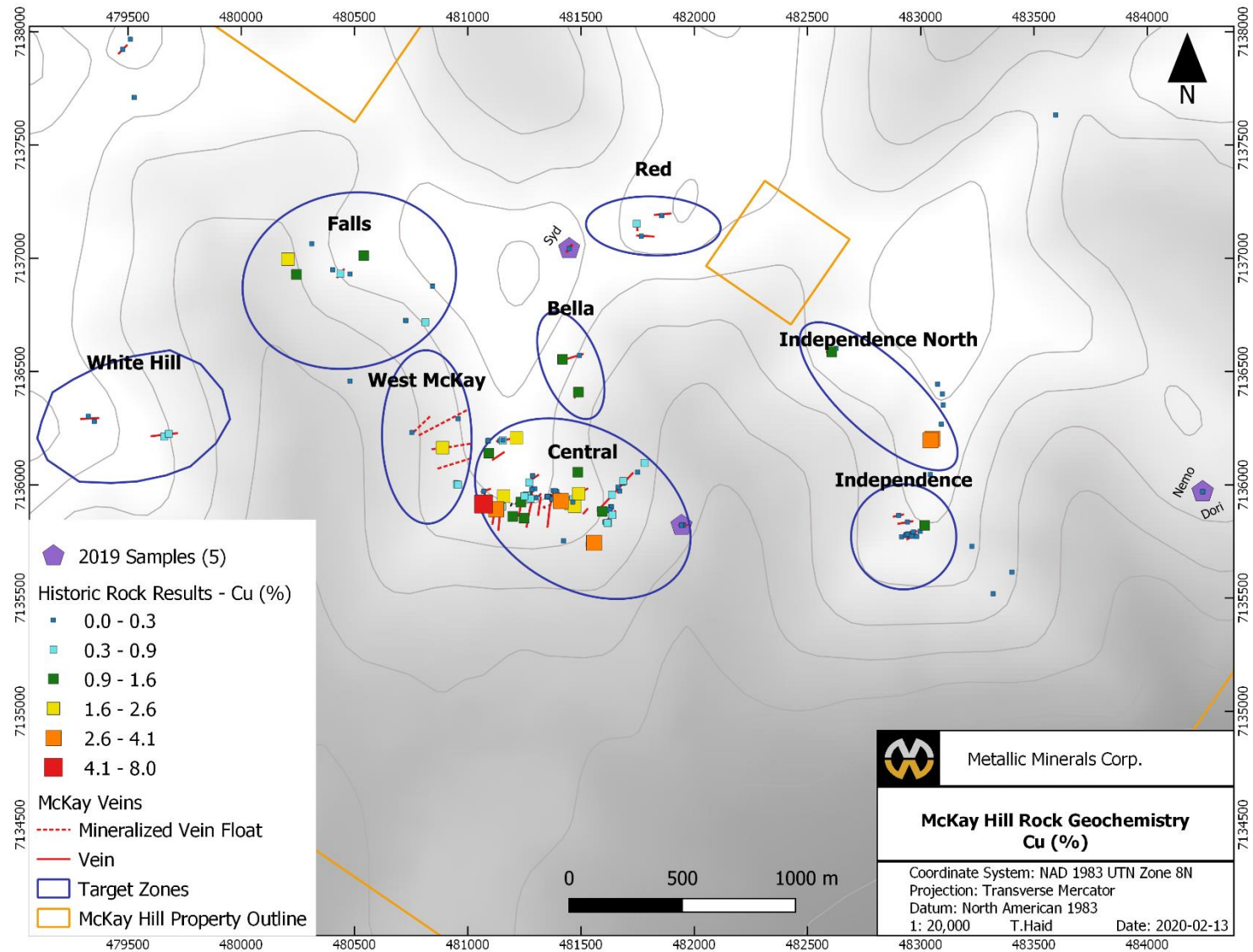


Figure 11. Rock Chemistry – Cu



5.3 Soil Sampling

A total of 104 soil samples were collected over 3 ridge-and-spur lines at 50 m-spacing on the McKay Hill property during the 2019 exploration program (see **Figure 12. 2019 Soil Sampling Locations**, page 38). The soils covered approximately 5km of ridge-line on the (1) West Red Zone – North Falls – West McKay; (2) West Falls Ridge; and (3) East Independence Ridge.

The ridgeline soil samples were laid out during the winter season with the intent of gaining a broader geochemical understanding of open anomalies. Ridgeline survey one was intended to connect the Red Zone soil anomaly which was open eastwards towards Falls Zone and West McKay. The second ridgeline survey was intended to garner an overall view of the West Falls ridge which has seen very little work in past seasons. Ridgeline survey three was laid out to test the open geochemistry on Independence East as well as cover an area highlighted by earlier airborne geophysical surveys.

Samples (taken from the C-horizon) were collected with soil augers at 50 m-spacing and placed in Kraft soil sample bags, which were then shipped to Bureau Veritas in Whitehorse for assaying to evaluate the precious metal concentrations present. Sample preparation consisted of drying the samples at 60°C, followed by sieving 100g of the samples to -80 mesh. These samples were then leached in hot modified Aqua Regia (partial digestion). Finally, 15 grams of the total sample were then analysed for 36 elements using inductively coupled mass spectrometry (ICP-ES/MS) analytical technique. Of the 104 samples collected, 2 samples were unable to be assayed due to collection in a talus slope with no soil found in the bag.

5.3.1 Soil Sampling Results & Maps

Soil sampling along the three ridgelines led to the identification of anomalous soil assays in several areas outside of the known zones. Values from the 102 assayed soils ranged from 0.308 ppm AgEq. to 7.26 ppm AgEq. These reconnaissance soils will be followed up with prospecting in 2020 along with the potential to set up detailed soil grids if deemed prospective by the geologist. **Figures 13-17** (pages 39-43) provide the geochemistry for the newly assayed 2019 soils, along with the underlain kriging of the 2009, 2017, and 2018 data, for economic metals Ag, Au, Pb, Zn, and Cu.

Two zones of interest were identified along the West Red- North Falls-West McKay ridgeline soil sampling traverse, the first of which is in proximity to the newly discovered Syd vein between Red and Bella Zones. Two samples returned anomalous silver results 100m from the vein to the east and west, appearing to coincide with the contact between the basalt host and mudstones. These samples returned 0.2 ppm Ag and 0.3 ppm Ag, which are in the 83rd and 88th percentile (Ag) of all soils historically collected at McKay Hill. Further prospecting and mapping around the Syd vein are already planned for 2020. A soil grid at 50m spacing has also been proposed to expand upon the anomalous soils along the ridgeline. The second zone of interest along this traverse was at the end of the soil line in West McKay, in proximity to an unnamed quartz vein identified in 2009. This soil returned 7.26 ppm AgEq., the highest value of any soil collected during the 2019 field season. A 2020 prospecting and mapping traverse has been planned for this vein.

The West Falls Ridge soil line also generated two areas of interest. Firstly, on an east-west striking ridge due west of Falls Zone (across the valley) were three consecutive soils which returned highly anomalous silver and copper values, including 0.2 ppm Ag and 0.021% Cu. Two of the three soils returned 0.21% Cu, which is in the 99th percentile (Cu) for all soils collected at McKay Hill. To the author's knowledge, this

ridge has not been ground truthed to date, and a prospecting and mapping traverse is planned for 2020. Secondly, the westernmost soil sample on the West Falls Ridge line also returned anomalous silver and copper values, with 0.2 ppm Ag and 0.022% Cu.

The short East Independence Ridge soil line generated one soil of interest just below the treeline, which returned assays of 5.19 ppm AgEq. (0.5 ppm Ag [91st percentile Ag], 0.0374% Zn [85th percentile Zn]). This anomaly appears to coincide with a lineament (identified via orthophoto) striking ~060°. A detailed soil grid is planned for this area in 2020.

A correlation matrix of selected base and precious metals concentrations in soils was completed in 2017, which shows very strong (>0.75) correlation coefficients between Ag-Pb, Ag-Zn and Zn-Pb. On the other hand, Ag-Cu, Ag-Au and Pb-Cu have poor correlations (<0.45). This poor correlation between Ag and Au is also seen in the Central Zone, where Au is concentrated at the center of the vein cluster whereas anomalous Ag in soil values occur as a halo to the Au-rich zone. Correlation coefficients for soil data results from a mix of actual metal association in the rock and variable element mobility in soil. For that reason, metal associations highlighted in soil data only is not robust and requires rock assay data to be verified. Preliminary analysis of soil data shows a good metal association between Ag-Pb-Zn, which indicates that Zn and Pb minerals can be used to target Ag mineralization in the area. Distribution of Au- vs Ag-anomalous soils in the Central Zone also seem to highlight a metal zonation from an Au-rich center to an Ag-rich rim. Work is ongoing to refine these correlations, and an updated matrix encompassing the seven mineralized zones will be completed following the 2020 grid soil sampling program.

Legend

- McKay Veins**
 - Delineated Vein
 - - - Interpreted Vein Extension
- McKay Hill Property Outline**
- Zones of Interest**
- Soil Locations by Year Sampled**
 - 2019
 - 2018
 - 2017
 - 2009

McKay Hill
Soil Sampling Locations

Coordinate System: NAD 1983 UTM Zone 8N
Projection: Transverse Mercator
Datum: North American 1983
1:25,000 Date: 2020-01-19

Figure 13. Kriged Soil Results – Ag

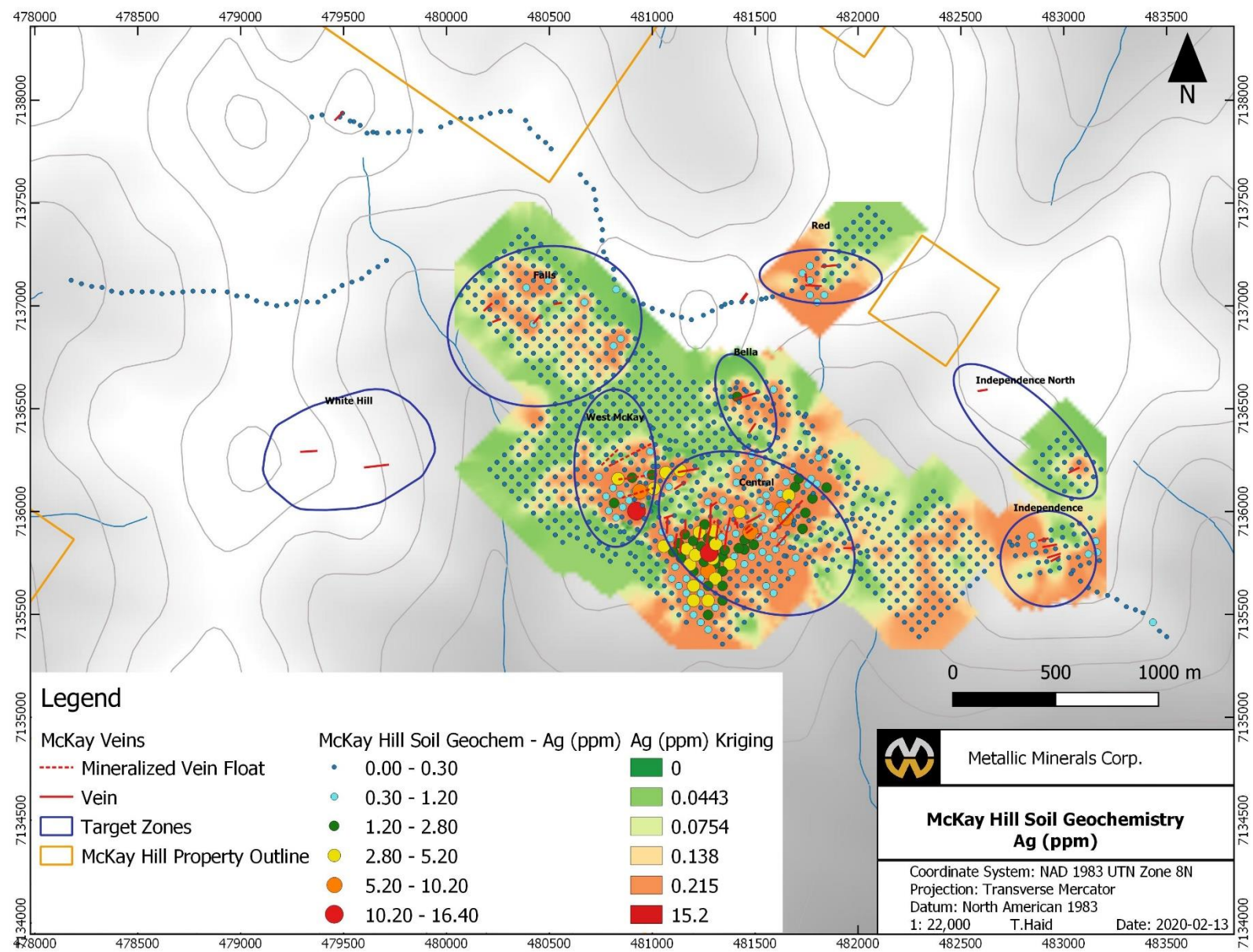


Figure 14. Kriged Soil Results – Au

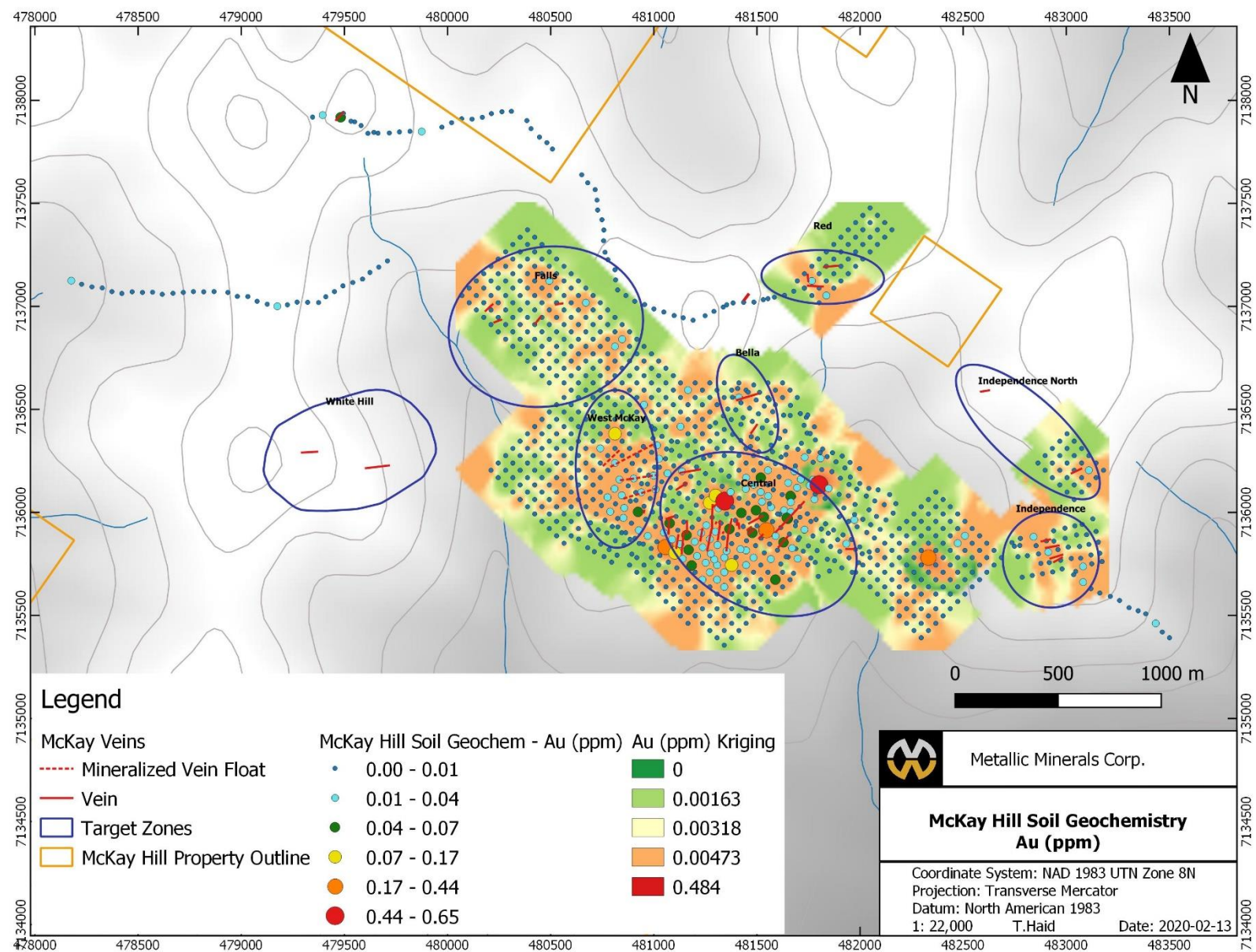


Figure 15. Kriged Soil Results – Pb

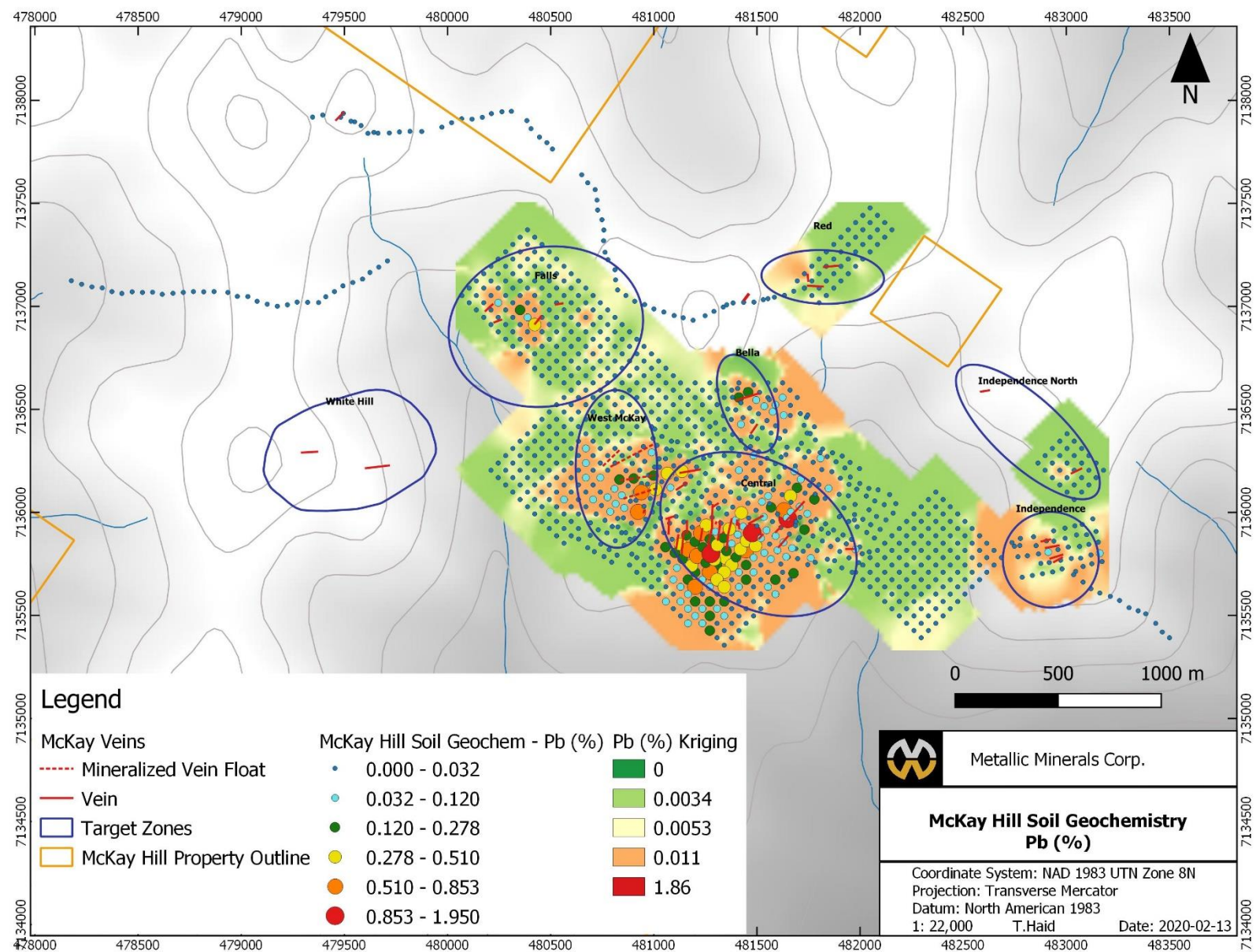


Figure 16. Kriged Soil Results – Zn

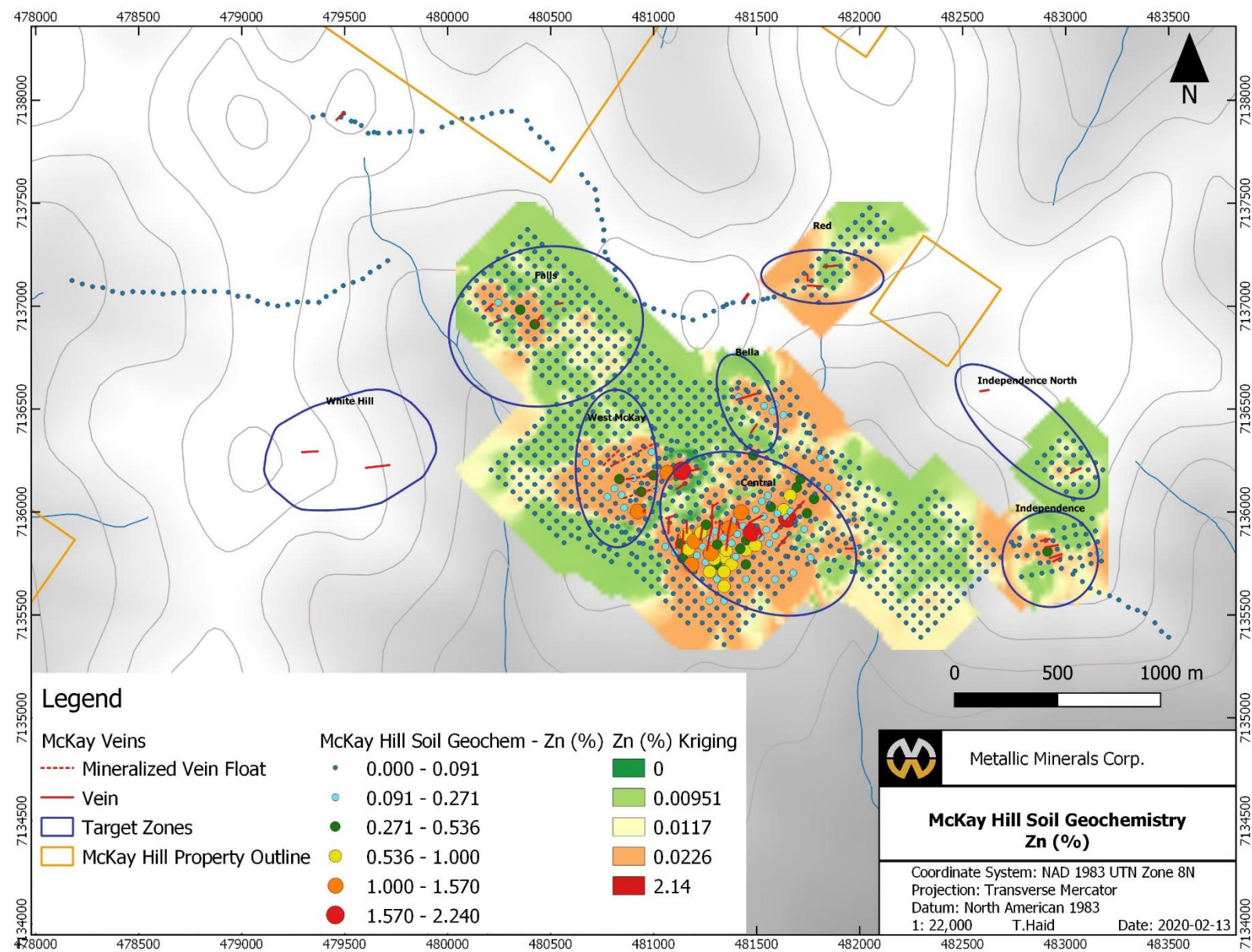
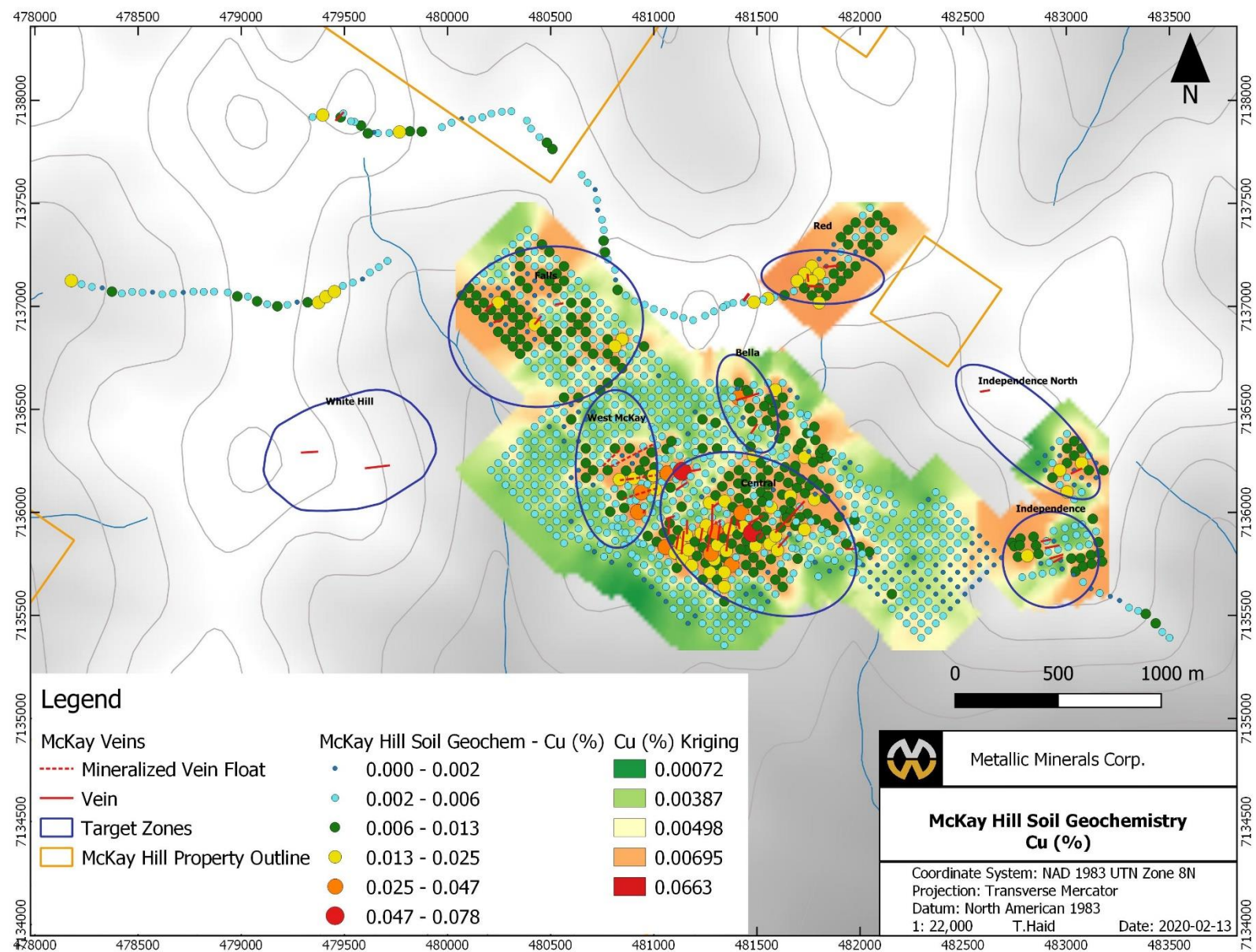


Figure 17. Kriged Soil Results – Cu

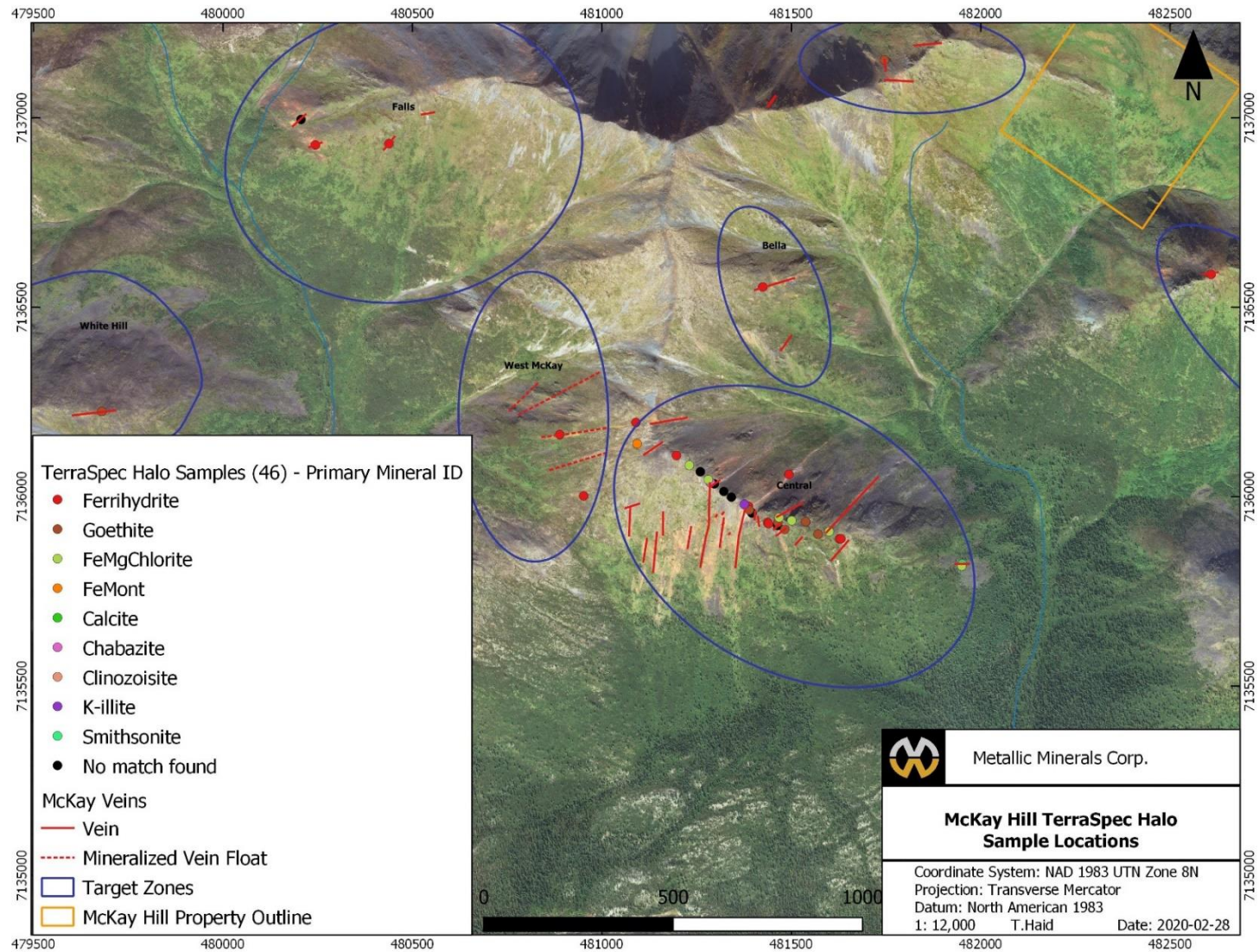


5.4 TerraSpec Halo Scanning

Mineral clay-mapping is a key tool for vectoring of epithermal veins, especially in areas where no visible mineralization may be present on surface. As such, a handheld spectrometer (TerraSpec Halo Mineral Identifier) was utilized at McKay Hill for the first time. The system provides field geologists with real time mineral information and enables quick identification of important deposit pathfinder minerals. The full-range VIS-NIR-SWIR spectrometer is capable of measuring the visible, near-infrared, and short-wave infrared regions (350-2500 nm). The unit matches the spectra with the on-board USGS spectral library and outputs mineral identifications (based on spectral curve matching) including confidence ratings and spectral scalars which allow for monitoring of crystallinity changes, shifts in alteration patterns, and compositional changes associated with temperature gradients.

In the spring of 2019, the coarse rejects from 15 rock samples collected during the 2018 season were scanned with the TerraSpec Halo. These samples were collected from mineralized veins and analyzed in the office. Along with the coarse rejects, 31 samples were collected and scanned on August 26th during a traverse across the Central Zone. A total of 46 samples were scanned to establish a preliminary alteration mineral map across the central zone along with samples from the other target zones (see **Figure 18**, page 45). Of the 46 samples analyzed, the most prevalent alteration mineral identified (Primary Mineral) was ferrihydrite (15), followed by goethite (6), and FeMgChlorite (5). Interestingly, Smithsonite, a zinc carbonate, was identified as the primary mineral in two scans, and the secondary mineral in two further scans. The associated veins to these scans were Snowdrift, Blackhawk East, No. 4, and Blackhawk West, respectively. TerraSpec Halo scanning is planned to continue during the 2020 program and beyond, establishing a larger sample set with which to interpret and understand the alteration mineralogy present at McKay Hill, with the objective of utilizing this tool to vector towards mineralization.

Figure 18. TerraSpec Halo Sample Locations and Primary Mineral Identification



6 Conclusions

Overall the brief 2019 exploration season was deemed successful in collecting data over broad AOIs outside of the Central Zone. Camp was repaired and is fully operational for future programs. Targeted prospecting over the two field days led to the discovery of three new veins (Syd, Dori, Nemo), all outside of the previously known zones. Five rock samples were collected at McKay Hill during the 2019 field season, along with 104 soil samples along three ridges. TerraSpec analysis was also performed on 46 samples from McKay Hill; 31 across a transect of the Central Zone and 15 from other mineralized zones.

Property-scale mapping to date had largely focused on the Central Zone which is currently interpreted to be a dextral wrench zone with potential for vertical fault offset on the block margins. This geological model may impact the approach for examining and testing veins outside of the Central Zone as if the block is uplifted, veins may not daylight in AOI outside of the Central Zone. Mapping focused on evaluating areas of interest that could assist in unravelling this current interpretation. In particular, the Red Zone westerly towards Falls Zone is marked by high-tenor geochemistry and alteration. Mapping and prospecting in this area located a new copper-oxide mineralized quartz vein stockwork with favourable vein orientations – coined the Syd vein. In conjunction with this, lineaments highlighted via orthophotography were ground truthed and prospected. In particular, a large lineament was identified in East McKay where virtually no groundwork has been completed previously. Along this lineament, prospecting resulted in locating two massive, intersecting quartz veins with favourable V_3 orientations - named Dori ($060^\circ/55^\circ$) and Nemo ($030^\circ/50^\circ$). These veins are hosted in iron-carbonate altered basalt, with trace pyrite present along vein margin. The discovery of these massive, favourably oriented quartz veins, opened-up potential in McKay East.

In addition, the Blackhawk East vein, which has not been evaluated since 2008, was examined by the authors. The Blackhawk East vein is a highly brecciated quartz vein with prevalent skeletal (boiling textures) healed with ankerite. This vein does not daylight in outcrop, but the float train trends 065° (V_3) and is hosted in textbook agglomerate. Mineralization is present as fine-grained and banded to cubiform galena-infill of brecciated vein as well as infill around (late) euhedral quartz. TerraSpec Halo spot identification of skeletal texture material returned smithsonite, a zinc carbonate. It should be noted that the authors believe this mineralization style to be similar to the Independence No. 4 vein. Excavating small hand pits along this vein upslope uncovered material that was sampled (1895791) which reported 177 g/t Ag, 20% Pb and 12.35% Zn.

Previous soil surveys highlighted broad, high-tenor, open geochemistry which were tested with three far-reaching ridgeline soil surveying lines. A total of 104 soil samples (102 returning assay results) were collected over 3 ridge-and-spur lines at 50 m-spacing over: (1) West Red Zone – North Falls – West McKay; (2) West Falls Ridge; and (3) East Independence Ridge. Soil sampling along the three ridgelines led to the identification of anomalous soil assays in several areas outside of the known zones. Values from the 102 assayed soils ranged from 0.308 ppm AgEq. to 7.26 ppm AgEq. Two zones of interest were identified along the West Red-North Falls-West McKay ridgeline soil sampling traverse, the first of which is in proximity to the newly discovered Syd vein between Red and Bella Zones. Two samples returned anomalous silver results 100m from the vein to the east and west, appearing to coincide with the contact between the basalt host and mudstones. The second zone of interest along this traverse was at the end of the soil line in West McKay, in proximity to an unnamed quartz vein identified in 2009. This soil returned 7.26 ppm AgEq., the highest value of any soil collected during the 2019 field season. A 2020 prospecting and mapping traverse has been planned for this vein. The West Falls Ridge soil line

also generated two areas of interest. Firstly, on an east-west striking ridge due west of Falls Zone (across the valley) were three consecutive soils which returned highly anomalous silver and copper values, including 0.2 ppm Ag and 0.021% Cu. Two of the three soils returned 0.21% Cu, which is in the 99th percentile (Cu) for all soils collected at McKay Hill. The East Independence Ridge soil line generated one soil of interest just below the treeline, which returned assays of 5.19 ppm AgEq. (0.5 ppm Ag [91st percentile Ag], 0.0374% Zn [85th percentile Zn]). This anomaly appears to coincide with a lineament (identified via orthophoto) striking ~060°. A detailed soil grid is planned for this area in 2020.

In the spring of 2019, the coarse rejects from 15 rock samples collected during the 2018 season were scanned with the TerraSpec Halo. These samples were collected from mineralized veins and analyzed in the office. Along with the coarse rejects, 31 samples were collected and scanned during a traverse across the Central Zone. A total of 46 samples were scanned to establish a preliminary alteration mineral map across the central zone along with samples from the other target zones. Of the 46 samples analyzed, the most prevalent alteration mineral identified (Primary Mineral) was ferrihydrite (15), followed by goethite (6), and FeMgChlorite (5). Interestingly, Smithsonite, a zinc carbonate, was identified as the primary mineral in two scans, and the secondary mineral in two further scans. The associated veins to these scans were Snowdrift, Blackhawk East, No. 4, and Blackhawk West, respectively. TerraSpec Halo scanning is planned to continue during the 2020 program and beyond, establishing a larger sample set with which to interpret and understand the alteration mineralogy present at McKay Hill, with the objective of utilizing this tool to vector towards mineralization.

7 Recommendations for Future Work

The McKay Hill project is deemed highly prospective. The authors recommend extensive follow-up and testing of the targets delineated to date as well as continued helicopter-supported prospecting campaigns in outlying areas. In order to adequately test the mineralization observed on the McKay Hill property, the following recommendations are made:

- **Soil Sampling*:**
 - Complete a comprehensively sampled grid that encompasses all eight currently identified mineralized zones:
 - 5 soil grids are planned to infill data gaps from 2018 and will expand soil sampling at the Red, Falls, Bella and Independence zone grids;
 - 24 additional ridge and spur soil sampling traverses are planned to generate targets outside of the six zones and encompass ridges across the entire property, including the newly staked western claims;
 - Utilization of a portable TerraSpec Halo to assist in real time preliminary analysis of soils, allowing for on-the-fly target adjustments;
- **Rock Sampling*:**
 - Methodical geochemical sampling via channel sampling on all newly identified veins (if they can be adequately exposed or drilled), as well as veins that were not analyzed in previous seasons. Vein exposure is minimal for the majority of veins noted below, trenches may be required to establish true exposure for channel sampling. Once collected, this geochemical suite can be used to characterize grade and Ag:Cu ratios across the known mineralized zones at McKay Hill:
 - New veins to be channel sampled include: Syd, Nemo, and Dori;
 - Previously identified veins to be channel sampled include: Blackhawk East, No. 1, No. 1 West, No. 3, No. 7, No. 8, North, Bella 1, Red 1 and 2, White 2,

- Independence 2-4, Spell, Ghost, Bella 2, Red 3, Nash, North A-D, and Hertl (part of the Snowdrift vein?);
 - Utilization of a portable TerraSpec (Halo) of property-wide geology to assist in creating a clay-geochemical map;
- Mapping and Prospecting*:
 - Continue property-scale (1:25,000 & 1:50,000) mapping, testing and honing the current interpretation with mapping in areas that have minimal mapping completed;
 - Central Zone:
 - Mapping and prospecting south of Blackhawk, where a grit package was historically mapped. Follow up to confirm extent of this package, as this corresponds with a soil high;
 - Mapping and prospecting between Blackhawk and Blackhawk East, which lacks any mapping;
 - Independence Zone:
 - Mapping and prospecting between the Independence veins and Blackhawk East, where an anomalous Au soil response is;
 - Red and Bella Zones:
 - Additional detailed mapping and prospecting to confirm whether this area is bisected by a large fault with vertical block displacement;
 - Falls Zone:
 - Mapping and prospecting traverses to follow up on questions raised during 2018 mapping, including establishing further confidence between the relationship of folding and mineralized veins;
 - Mapping and prospecting along West Falls ridge where soil sampling line was completed in 2019 and returned anomalous Ag and Cu values;
 - West McKay:
 - Prospecting downslope of newly discovered Chinook vein to discern if vein daylights;
 - Prospecting of the soil high (7.26 ppm AgEq.) in proximity to a known quartz vein identified during the 2019 soil sampling program;
 - Property-wide:
 - Traverse along the Algae Formation limestone and Narchilla Formation slate contact to ground truth orthophoto-derived contact;
 - Increased mapping and prospecting to the newly staked west claims, including delineation of the extent of the ultramafic units discovered in 2018;
 - Mapping and prospecting ENE of the Red Zone along a prominent ridge which appears to have the same magnetic response and trend as the Central Zone;
- Historic Disturbance Documentation*:
 - In conjunction with mapping and prospecting traverses, historic disturbance documentation will occur on areas with disturbance that was not documented in 2018 and 2019:
 - Red 1 and 2 veins;
 - Independence 1-4 veins;
 - Unnamed vein NW of Falls Zone;
 - White Hill 1 and 2 veins;
 - Pit noted at unnamed quartz vein along ridge in West McKay;
 - Falls vein;

- Drilling and Bedrock-interface probing*:
 - Test veins via bedrock-interface probing and heli-portable RAB drilling
 - Subsurface modeling (Leapfrog) as drilling occurs, allowing for on the fly adjustments based on subsurface information;
 - Generation and refinement of cross sections of Central Zone;
 - Perform bedrock-interface probing on targeted gullies and thrusts that are believed to be buried mineralized structures;
- Long-term:
 - Hyperspectral surveying:
 - after establishing and characterizing alteration related to mineralized (Au-rich and Ag-rich) veins, conduct a drone-based hyperspectral survey combined with high resolution satellite photos already available to generate greenfield targets for prospecting and reconnaissance mapping;
 - VLF ($\pm$ IP):
 - combined VLF-IP ground surveys have proved effective in recognizing structures in the region; potential areas to survey include the valleys to the north and northwest of the central claim area to test iron carbonate-altered gossanous zone and on lineaments highlighted in the central claims block to identify potential extensions of known veins.

Currently, planning for the 2020 exploration program is underway and includes the above starred (*) recommendations at a proposed budget of approximately \$400,000.00.

8 Bibliography

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9 Statement of Qualifications

I, Lauren Blackburn, of the City of Whitehorse, in the Territory of Yukon, HEREBY CERTIFY:

1. That I am a geologist and that I worked at the property during the summers of 2009, 2010, 2017, 2018 & 2019.
2. That I am a graduate of the University of Alberta (B.Sc. Geology, 2007).
3. That I have been engaged in mineral exploration and development and have worked on a full-time basis in Yukon Territory and Mexico since 2006 and in northern Canada (NU, NWT, YT, northern BC) since 2005.
4. That I am an employee of TruePoint Exploration. (2019 – present). TruePoint is the exploration arm for MMG to which I have been employed since 2017.
5. I consent to the use of this report by Metallic Minerals Corp. for such assessment and/or regulatory and financing purposes deemed necessary.

Dated at Whitehorse, Yukon Territory this 6th day of March 2020.



Lauren Blackburn B.Sc.
TruePoint Exploration
53A Linville Road, PO Box 10495
Whitehorse, Yukon Y1A 7A1

I, Taylor Haid, of the City of Vancouver, in the Province of British Columbia, HEREBY CERTIFY:

1. That I am a geologist, and that I worked on the property during the summers of 2018 & 2019.
2. I am a graduate of the University of Regina (B.Sc. Hons Geology, 2014), and of Western University (M.Sc. Geology & Planetary Science, 2016).
3. I have worked in the field of geology and mineral exploration in Canada (SK, NU, ON) part-time since 2011 (including roles as a geology summer student), and full-time in Yukon Territory and British Columbia since 2016.
4. That I am an employee of TruePoint Exploration. (2019 - present). TruePoint is the exploration arm for MMG to which I have been employed since 2018.
5. I consent to the use of this report by Metallic Minerals Corp. for such assessment and/or regulatory and financing purposes deemed necessary.

Dated at Vancouver, British Columbia this 6th day of March 2020.



Taylor Haid M.Sc.
TruePoint Exploration
1201-1323 Homer Street,
Vancouver, BC, V6B 5T1

Appendix I. Statement of Expenditures



Statement of Expenditures - Summer 2019 Program (August 26th & 27th)

Prospecting, Mapping, Camp Maintenance

Labour

	No. of Days	Rate	Total
Lauren R. Blackburn - Senior Geologist	2	\$600.00	\$1,200.00
Taylor Haid - Geologist	2	\$450.00	\$900.00
Paige Ahrens - Geologist	2	\$400.00	\$800.00
Harry Magee - Camp Maintenance	2	\$450.00	\$900.00
			\$3,800.00

Soil Sampling

	No. of Days	Rate	Total
Big River - M. Williams	2	\$350.00	\$700.00
Pika Exploration - C. Studer	1	\$475.00	\$475.00
			\$1,175.00

Geochemical Assaying

	Quantity	Price/Sample	Total
Rocks	5	\$24.00	\$120.00
Soils	104	\$22.00	\$2,288.00
			\$2,408.00

Daily Expenses (Food, field supplies, etc)

	Days	Rate	Total
5 man-crew + pilot (\$100/day each)	1	\$600.00	\$600.00
6 man-crew + pilot (\$100/day each)	1	\$700.00	\$700.00
			\$1,300.00

Transportation

	No	Rate	Total
Helicopter - Hughes 520	6.8 hrs	\$1,350.00	\$9,180.00
Fuel - Jet A (\$1.40/L)	919 L	\$1.40/L	\$1,286.60
			\$10,466.60

Accommodations

	Days	Rate	Total
Bottle House rental - Keno	2	\$110.00	\$220.00
			\$220.00

GRAND TOTAL =	\$19,369.60
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Appendix II. Batch Sheets and Assay Certificates



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PHONE (604) 253-3158

Client:

True Point Exploration Inc.

904 – 409 Granville St.

Vancouver British Columbia V6G 1T2 Canada

Submitted By: Scott Petsel

Receiving Lab: Canada-Whitehorse

Received: September 09, 2019

Report Date: September 27, 2019

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI19000531.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: KS19-3
P.O. Number: Keno Silver
Number of Samples: 17

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
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: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2
Canada

CC: Samantha Dyck
Lauren Blackburn
Taylor Haid

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	17	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	17	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	17	Per sample shipping charges for branch shipments			VAN
MA404	5	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN

ADDITIONAL COMMENTS


SOFIA DEVOTA
XRF Manager

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: Keno Silver
Report Date: September 27, 2019

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI19000531.1

	Method Analyte Unit MDL	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	1	0.01
1895754	Rock	0.61	0.8	46.3	31.4	157	0.1	34.7	13.8	>10000	2.13	4.0	<0.5	1.4	42	4.2	0.6	0.3	3	0.05	0.035
1895755	Rock	0.77	0.3	9.5	19.5	31	0.2	9.1	1.7	74	0.95	25.4	1.4	0.4	<1	0.2	10.8	0.4	2	<0.01	0.005
1895756	Rock	0.64	1.0	23.6	2.7	34	<0.1	11.0	4.3	233	1.19	0.6	<0.5	1.9	3	<0.1	0.1	<0.1	8	0.14	0.044
1895757	Rock	1.33	0.4	2105.4	16.7	65	1.0	13.8	3.5	104	0.73	1.0	4.6	0.3	98	0.7	0.1	<0.1	2	0.93	0.003
1895758	Rock	2.04	2.4	29.5	6.6	123	<0.1	31.3	7.2	271	0.71	7.7	<0.5	0.5	52	0.7	13.4	<0.1	13	0.79	0.050
1895759	Rock	1.47	3.0	38.0	3.9	194	0.2	138.8	43.2	1604	6.51	145.2	4.0	3.1	569	1.5	74.4	<0.1	83	10.92	0.367
1895760	Rock	1.14	1.6	27.3	35.0	111	0.1	30.7	8.8	592	1.08	12.5	<0.5	0.5	146	0.7	17.9	<0.1	8	3.40	0.034
1895761	Rock	2.38	0.6	49.1	>10000	>10000	>100	4.4	2.6	455	1.31	397.5	39.5	0.9	59	860.1	197.6	2.6	5	0.13	0.023
1895801	Rock	0.99	0.4	13.2	430.1	145	0.2	2.2	1.0	40	0.86	2.6	<0.5	0.9	1	1.0	0.6	<0.1	<1	0.03	0.016
1895802	Rock	1.44	0.1	42.9	451.1	113	0.2	16.4	9.8	896	0.89	0.9	<0.5	1.6	3	0.5	0.3	<0.1	5	0.04	0.018
1895803	Rock	0.92	<0.1	253.5	>10000	1787	>100	0.5	0.2	29	0.28	181.0	60.6	0.7	5	97.4	>2000	33.9	3	<0.01	0.004
1895804	Rock	2.07	0.3	205.1	2266.9	>10000	>100	5.5	9.5	5002	6.78	605.7	25.9	0.3	39	408.7	47.1	1.3	47	4.60	0.023
1895805	Rock	0.49	<0.1	228.3	38.7	>10000	>100	2.3	5.5	>10000	12.27	9.0	<0.5	0.5	151	1150.8	69.6	<0.1	20	13.61	0.003
1895806	Rock	0.75	0.2	237.4	214.3	>10000	>100	6.5	5.6	>10000	15.31	24.9	1.9	0.2	119	962.5	76.5	<0.1	24	14.94	0.004
1497462	Rock	1.82	0.8	333.4	22.7	189	0.5	2.1	23.0	778	9.92	106.2	490.6	2.6	29	1.2	0.8	0.5	61	1.41	0.320
1497463	Rock	2.02	4.8	945.6	525.2	2037	7.2	265.5	209.1	433	33.66	25.3	796.5	0.8	1	13.3	2.9	0.9	4	0.02	0.008
1895807	Rock	0.96	0.9	30.4	67.3	2748	2.8	30.7	18.6	5065	3.91	139.9	5.3	0.5	12	49.3	1.7	<0.1	61	0.64	0.021



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Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

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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	MA404	MA404	MA404
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Pb	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.01	0.01
1895754	Rock	3	3	0.04	571	<0.001	<1	0.25	0.006	0.04	<0.1	<0.01	2.0	<0.1	<0.05	<1	<0.5	<0.2			
1895755	Rock	<1	2	<0.01	4	<0.001	<1	0.02	0.002	<0.01	<0.1	0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2			
1895756	Rock	2	5	0.61	45	0.027	<1	0.70	0.003	0.04	<0.1	<0.01	0.8	<0.1	0.15	1	<0.5	<0.2			
1895757	Rock	<1	6	0.03	13	0.001	1	0.06	0.003	0.01	<0.1	0.04	0.4	<0.1	0.13	<1	<0.5	<0.2			
1895758	Rock	3	10	0.09	24	0.001	<1	0.14	0.010	0.03	<0.1	0.04	1.1	<0.1	<0.05	<1	<0.5	<0.2			
1895759	Rock	36	152	2.34	191	0.004	3	1.38	0.003	0.36	<0.1	0.03	13.3	0.1	0.83	4	4.1	<0.2			
1895760	Rock	6	13	0.11	37	0.001	<1	0.14	0.004	0.04	<0.1	0.03	3.3	<0.1	<0.05	<1	<0.5	<0.2			
1895761	Rock	<1	4	0.06	34	0.002	<1	0.07	0.002	0.02	<0.1	>50	1.0	0.5	5.73	2	6.9	<0.2	177	>20	12.35
1895801	Rock	2	2	<0.01	14	<0.001	<1	0.05	0.001	0.01	<0.1	0.18	0.2	<0.1	0.06	<1	<0.5	<0.2			
1895802	Rock	3	6	0.25	196	0.007	<1	0.43	0.003	0.05	<0.1	0.14	0.7	<0.1	<0.05	<1	<0.5	<0.2			
1895803	Rock	<1	<1	<0.01	7	<0.001	<1	0.06	<0.001	0.02	<0.1	0.79	0.7	1.3	>10	<1	7.2	<0.2	>1500	>20	0.16
1895804	Rock	1	2	0.62	31	0.002	4	0.67	0.003	0.19	<0.1	0.53	4.6	0.5	0.92	3	1.0	<0.2	114	0.24	2.80
1895805	Rock	2	<1	3.64	3	<0.001	<1	0.07	<0.001	0.03	<0.1	1.14	11.6	0.1	1.82	<1	1.6	<0.2	118	0.01	9.43
1895806	Rock	2	<1	1.57	6	<0.001	<1	0.07	<0.001	0.03	<0.1	0.91	15.9	0.1	1.33	<1	2.0	<0.2	138	0.03	7.86
1497462	Rock	15	<1	1.06	63	0.037	<1	2.53	0.024	<0.01	0.1	0.03	25.8	<0.1	0.63	17	1.1	<0.2			
1497463	Rock	3	5	0.03	19	<0.001	<1	0.43	<0.001	<0.01	<0.1	0.14	1.3	<0.1	<0.05	<1	<0.5	2.5			
1895807	Rock	3	36	1.00	97	0.108	1	1.46	0.010	0.06	<0.1	0.03	5.8	0.2	0.16	4	<0.5	<0.2			



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Project: Keno Silver
Report Date: September 27, 2019

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QUALITY CONTROL REPORT

WHI19000531.1

	Method Analyte Unit MDL	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
Pulp Duplicates																					
1895758	Rock	2.04	2.4	29.5	6.6	123	<0.1	31.3	7.2	271	0.71	7.7	<0.5	0.5	52	0.7	13.4	<0.1	13	0.79	0.050
REP 1895758	QC		2.6	32.8	7.2	135	0.1	33.7	7.7	299	0.78	8.1	<0.5	0.4	56	0.7	14.9	<0.1	14	0.89	0.054
1895803	Rock	0.92	<0.1	253.5	>10000	1787	>100	0.5	0.2	29	0.28	181.0	60.6	0.7	5	97.4	>2000	33.9	3	<0.01	0.004
REP 1895803	QC																				
Reference Materials																					
STD DS11	Standard		16.7	150.8	143.7	336	1.7	82.1	14.9	1021	3.08	42.7	68.0	9.1	66	2.5	8.2	11.3	48	1.08	0.072
STD OREAS134B	Standard																				
STD OREAS133A	Standard																				
STD OREAS134B	Standard																				
STD OREAS133A	Standard																				
STD OREAS262	Standard		0.6	122.0	59.5	151	0.4	65.4	28.8	543	3.21	34.7	56.0	11.1	34	0.6	3.6	1.0	22	2.96	0.040
STD DS11 Expected			14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
STD OREAS134B Expected																					
STD OREAS133A Expected																					
BLK	Blank		<0.1	<0.1	0.6	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.9	3.1	1.0	32	<0.1	2.1	4.8	574	1.93	0.7	<0.5	4.2	23	<0.1	<0.1	<0.1	28	0.68	0.044
ROCK-WHI	Prep Blank		0.7	4.9	1.0	33	<0.1	1.3	4.2	542	1.87	<0.5	<0.5	3.1	22	<0.1	<0.1	<0.1	26	0.69	0.041



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Project: Keno Silver
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QUALITY CONTROL REPORT

WHI19000531.1

	Method Analyte Unit MDL	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404		
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Ag	Pb	Zn
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5	0.2	2	0.01
Pulp Duplicates																					
1895758	Rock	3	10	0.09	24	0.001	<1	0.14	0.010	0.03	<0.1	0.04	1.1	<0.1	<0.05	<1	<0.5	<0.2			
REP 1895758	QC	3	11	0.10	24	0.001	<1	0.15	0.013	0.03	<0.1	0.04	1.3	<0.1	<0.05	<1	<0.5	<0.2			
1895803	Rock	<1	<1	<0.01	7	<0.001	<1	0.06	<0.001	0.02	<0.1	0.79	0.7	1.3	>10	<1	7.2	<0.2	>1500	>20	0.16
REP 1895803	QC																		>1500	>20	0.16
Reference Materials																					
STD DS11	Standard	20	63	0.84	365	0.097	6	1.18	0.074	0.40	2.9	0.26	3.5	5.0	0.27	5	2.5	4.8			
STD OREAS134B	Standard																		201	13.53	17.68
STD OREAS133A	Standard																		98	4.92	10.99
STD OREAS134B	Standard																		205	13.68	17.50
STD OREAS133A	Standard																		99	4.97	10.37
STD OREAS262	Standard	19	45	1.17	252	0.003	4	1.50	0.068	0.33	0.2	0.16	3.5	0.5	0.25	4	<0.5	0.2			
STD DS11 Expected		18.6	61.5	0.85	385	0.0976	1.1795		0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56			
STD OREAS262 Expected		15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23			
STD OREAS134B Expected																			209	13.36	18.03
STD OREAS133A Expected																			99.9	4.9	10.87
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																		<2	<0.01	<0.01
BLK	Blank																		2	<0.01	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank	7	5	0.60	48	0.088	1	0.99	0.071	0.07	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	7	4	0.52	50	0.085	1	1.00	0.083	0.09	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2			



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Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: November 07, 2019
Report Date: November 23, 2019
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CERTIFICATE OF ANALYSIS

WHI19000752.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: KS19-4
P.O. Number: Keno Silver
Number of Samples: 293

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.

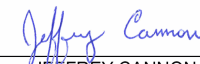
Invoice To: True Point Exploration Inc.
904 – 409 Granville St.
Vancouver British Columbia V6G 1T2
Canada

CC: Samantha Dyck
Lauren Blackburn
Taylor Haid

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	293	Dry at 60C			WHI
SS80	293	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	293	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	293	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.



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CERTIFICATE OF ANALYSIS

WHI19000752.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1898206	Soil	5.1	101.9	16.2	107	0.6	34.6	8.0	204	15.33	26.8	37.2	8.6	17	0.2	1.3	0.3	55	0.12	0.255	21
1898207	Soil	0.8	654.1	6.6	514	0.3	516.1	121.7	1568	9.84	30.4	2.9	10.0	16	5.3	0.5	0.1	138	0.92	0.405	99
1898208	Soil	0.4	248.1	4.0	124	0.1	158.1	63.6	2437	12.00	5.4	1.6	1.0	31	0.3	0.5	<0.1	158	3.04	0.105	12
1898209	Soil	2.1	751.2	11.6	78	10.1	88.5	97.7	739	32.42	143.8	18.1	1.0	5	0.1	3.5	0.6	59	0.06	0.093	2
1898210	Soil	1.2	16.9	10.6	63	<0.1	16.6	5.6	220	2.27	16.4	29.9	0.8	13	0.2	0.7	0.2	44	0.16	0.069	16
1898211	Soil	1.2	45.0	21.9	91	0.3	28.6	10.1	468	2.48	59.8	4.6	5.1	20	0.5	1.6	0.2	36	0.25	0.072	18
1902001	Soil	2.9	87.8	11.1	139	0.2	211.6	69.6	1711	9.71	11.7	1.7	4.1	210	0.4	3.2	<0.1	239	5.80	0.344	64
1902002	Soil	3.4	43.0	26.7	69	0.1	21.6	9.3	185	2.68	13.5	0.9	0.2	33	<0.1	0.9	0.4	44	0.05	0.095	28
1902003	Soil	1.4	89.5	14.4	110	<0.1	56.3	41.5	1410	5.57	11.8	1.7	0.6	51	0.2	0.7	0.2	110	0.58	0.113	11
1902004	Soil	1.6	33.0	13.4	94	<0.1	88.0	24.5	1263	4.56	13.5	1.4	0.8	31	0.3	1.7	0.2	96	0.40	0.095	10
1902005	Soil	5.0	250.5	66.0	246	0.3	54.8	56.8	8838	5.84	22.0	6.9	2.3	69	3.0	1.4	0.3	85	0.91	0.089	54
1902006	Soil	1.8	32.8	34.5	121	<0.1	161.8	39.0	2300	7.25	97.3	3.4	1.8	97	0.5	8.7	0.3	91	0.74	0.308	47
1902007	Soil	1.0	134.1	7.4	95	0.2	308.0	87.2	3334	7.25	77.7	3.1	0.7	109	0.6	0.8	<0.1	111	2.05	0.149	22
1902008	Soil	3.6	40.0	15.3	101	0.2	60.7	22.3	1157	4.63	18.1	0.9	0.5	14	0.5	1.3	0.3	99	0.12	0.110	15
1902009	Soil	2.5	38.1	19.0	91	<0.1	84.0	33.4	2926	4.70	6.8	1.7	0.7	60	0.3	1.0	0.4	142	0.72	0.279	17
1902010	Soil	2.5	44.0	64.9	768	0.2	111.8	51.0	2803	9.10	99.7	3.4	4.8	171	4.6	4.7	0.2	114	2.77	0.426	60
1902011	Soil	2.2	33.6	14.9	79	<0.1	45.3	24.8	1325	4.13	13.3	7.4	2.8	28	0.3	1.3	0.4	79	0.35	0.081	26
1902012	Soil	1.6	62.1	73.4	100	<0.1	31.6	19.6	541	3.36	12.8	8.7	1.7	13	0.1	0.9	1.0	47	0.14	0.069	37
1902013	Soil	1.5	25.4	25.3	65	<0.1	19.5	8.0	371	3.23	7.8	2.8	0.2	9	0.1	0.7	0.3	48	0.08	0.105	17
1902014	Soil	1.5	58.1	40.7	128	<0.1	22.0	16.1	659	7.18	9.9	3.2	7.2	46	0.1	6.2	0.5	23	0.16	0.095	70
1902015	Soil	1.5	53.0	48.1	123	<0.1	35.2	26.1	832	4.05	13.3	1.4	3.7	14	0.2	1.0	0.6	43	0.11	0.112	56
1902016	Soil	1.9	40.3	53.6	188	<0.1	67.7	24.2	1440	5.58	48.0	1.7	2.7	20	0.6	5.0	0.3	49	0.14	0.077	23
1902017	Soil	1.3	46.1	88.4	94	<0.1	21.9	13.5	855	3.77	9.9	8.7	0.7	10	0.2	0.9	0.8	45	0.10	0.095	33
1902018	Soil	2.9	57.2	63.4	103	0.1	26.3	24.4	1079	3.97	72.5	5.0	0.8	12	0.2	1.1	0.7	49	0.07	0.111	29
1902019	Soil	1.3	56.5	54.4	94	<0.1	51.1	21.3	1357	3.89	18.1	2.4	1.8	16	<0.1	0.9	0.5	62	0.15	0.084	28
1902020	Soil	1.9	34.8	32.2	86	<0.1	27.4	17.1	957	3.91	8.4	1.6	1.6	22	0.2	0.7	0.5	31	0.15	0.131	23
1902021	Soil	1.3	42.6	34.3	72	<0.1	22.7	14.4	1085	4.33	12.6	6.4	0.5	11	0.1	0.6	0.4	52	0.10	0.090	22
1902022	Soil	12.7	101.7	20.0	153	0.6	68.0	38.8	2374	4.18	22.2	8.9	3.8	34	1.7	3.8	0.2	78	0.37	0.106	33
1902024	Soil	1.6	30.8	22.8	86	<0.1	22.8	10.0	469	3.17	11.9	2.3	1.8	13	0.3	0.8	0.3	58	0.15	0.068	19
1902025	Soil	1.7	43.9	22.5	89	<0.1	36.6	18.7	1013	3.58	19.2	2.9	3.5	14	0.2	0.8	0.3	61	0.16	0.058	22



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1898206	Soil	25	0.52	62	0.056	1	0.99	0.018	0.05	<0.1	0.15	2.9	<0.1	1.56	3	5.6	<0.2
1898207	Soil	9	1.60	123	0.008	<1	>10	0.007	0.01	<0.1	0.03	23.9	<0.1	<0.05	9	2.6	<0.2
1898208	Soil	217	1.55	62	0.005	1	2.03	0.004	0.02	<0.1	0.23	33.0	0.2	<0.05	4	<0.5	<0.2
1898209	Soil	22	0.46	41	0.027	1	0.96	0.005	0.02	0.1	0.09	10.2	<0.1	4.13	4	30.0	<0.2
1898210	Soil	25	0.38	84	0.030	2	1.50	0.006	0.06	0.2	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1898211	Soil	25	0.48	354	0.040	2	1.22	0.011	0.08	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
1902001	Soil	266	2.80	663	0.155	2	3.15	0.010	0.36	<0.1	1.15	35.0	0.5	<0.05	11	<0.5	<0.2
1902002	Soil	23	0.16	78	0.008	4	1.43	0.009	0.13	0.2	0.23	0.7	0.2	0.15	5	1.2	<0.2
1902003	Soil	86	1.36	240	0.072	9	2.97	0.006	0.06	0.2	0.07	4.2	0.2	0.09	11	0.8	<0.2
1902004	Soil	115	1.54	195	0.072	3	2.56	0.007	0.07	0.1	0.05	3.1	0.2	0.07	9	0.7	<0.2
1902005	Soil	45	1.00	936	0.029	2	2.55	0.008	0.05	0.2	0.30	12.8	0.2	<0.05	8	2.4	<0.2
1902006	Soil	203	1.36	306	0.018	4	2.67	0.006	0.09	0.1	0.29	8.0	0.4	<0.05	9	0.8	<0.2
1902007	Soil	204	1.46	226	0.020	4	2.89	0.008	0.07	<0.1	0.07	11.5	0.2	0.13	9	1.2	<0.2
1902008	Soil	80	0.83	121	0.045	4	2.17	0.006	0.09	<0.1	0.08	2.8	0.2	0.11	8	0.7	<0.2
1902009	Soil	167	0.94	432	0.075	2	2.29	0.006	0.07	0.1	0.08	4.9	0.2	0.26	10	0.7	<0.2
1902010	Soil	60	0.70	188	0.005	4	1.16	0.008	0.11	<0.1	0.26	22.7	0.1	<0.05	3	0.9	<0.2
1902011	Soil	44	0.82	174	0.062	3	1.86	0.008	0.06	0.3	0.05	3.7	0.1	<0.05	6	<0.5	<0.2
1902012	Soil	29	0.49	81	0.022	3	1.66	0.005	0.07	0.2	0.07	2.0	0.2	<0.05	5	0.9	<0.2
1902013	Soil	29	0.35	90	0.010	4	1.62	0.006	0.07	0.2	0.09	0.7	0.2	0.09	6	0.8	<0.2
1902014	Soil	24	0.45	137	0.006	2	1.67	0.020	0.09	<0.1	0.44	2.4	0.5	0.09	5	0.6	<0.2
1902015	Soil	32	0.61	69	0.019	3	2.02	0.007	0.09	0.1	0.15	2.8	0.2	<0.05	6	0.8	<0.2
1902016	Soil	41	0.39	119	0.006	2	1.68	0.005	0.07	<0.1	0.10	4.8	0.2	<0.05	4	0.7	<0.2
1902017	Soil	28	0.41	69	0.011	4	1.85	0.004	0.07	0.1	0.08	1.0	0.1	0.06	6	0.7	<0.2
1902018	Soil	30	0.47	81	0.014	3	1.97	0.006	0.07	0.1	0.08	1.2	0.2	0.07	7	0.5	<0.2
1902019	Soil	94	0.89	75	0.032	3	2.08	0.004	0.06	0.1	0.06	2.4	0.1	<0.05	6	1.0	<0.2
1902020	Soil	33	0.49	122	0.006	2	1.84	0.005	0.10	<0.1	0.05	1.3	0.1	0.07	6	0.6	<0.2
1902021	Soil	33	0.40	89	0.013	3	1.76	0.004	0.07	<0.1	0.09	0.8	0.2	<0.05	6	<0.5	<0.2
1902022	Soil	46	0.74	231	0.039	2	1.89	0.010	0.04	0.2	0.14	6.4	0.5	<0.05	5	1.0	<0.2
1902024	Soil	33	0.52	81	0.043	3	1.86	0.007	0.07	0.2	0.05	2.8	0.2	<0.05	6	0.8	<0.2
1902025	Soil	44	0.75	108	0.059	4	2.29	0.007	0.06	0.2	0.03	3.7	0.1	<0.05	6	0.8	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1902026	Soil	1.6	97.5	51.1	117	<0.1	46.7	46.6	2331	3.96	31.4	1.9	4.7	13	0.2	1.4	0.4	50	0.14	0.073	35
1902027	Soil	1.4	106.4	60.8	109	0.1	41.4	48.5	1596	4.11	17.6	2.3	6.5	19	0.1	0.8	0.6	50	0.21	0.113	32
1902028	Soil	1.1	42.1	44.6	96	<0.1	25.6	12.1	424	3.34	12.4	3.2	2.9	17	0.1	0.8	0.3	48	0.23	0.086	23
1902029	Soil	1.5	30.2	37.6	79	<0.1	21.5	9.6	459	3.78	12.8	2.7	1.4	11	0.2	0.9	0.3	56	0.11	0.073	19
1902031	Soil	1.3	58.3	74.2	97	<0.1	34.6	24.0	766	4.00	18.8	1.5	6.0	14	<0.1	0.7	0.4	40	0.19	0.071	25
1902032	Soil	1.6	15.5	21.5	54	<0.1	16.4	7.2	398	4.32	13.9	1.7	2.2	8	<0.1	0.8	0.4	74	0.07	0.045	17
1902033	Soil	1.1	27.5	32.9	85	<0.1	32.9	15.0	819	3.89	17.6	2.0	5.5	6	0.2	0.5	0.3	36	0.08	0.045	16
1902034	Soil	1.4	29.8	39.1	73	<0.1	61.1	14.8	1248	5.38	26.6	3.0	2.7	6	0.2	0.6	0.5	54	0.07	0.095	13
1902044	Soil	0.6	95.5	12.2	81	<0.1	110.4	45.6	1688	5.61	98.2	1.2	1.7	36	0.3	6.7	<0.1	72	1.54	0.091	10
1902045	Soil	1.5	97.4	11.4	79	<0.1	63.9	36.9	567	3.38	18.8	2.3	0.7	18	0.1	0.5	0.1	72	0.42	0.100	10
1902046	Soil	0.8	30.0	10.1	57	<0.1	161.4	24.7	480	2.70	10.9	2.4	3.9	15	0.2	0.7	0.1	47	0.23	0.065	15
1902047	Soil	1.7	46.6	24.5	81	<0.1	66.7	26.1	652	3.54	20.0	4.3	1.4	10	0.2	0.7	0.2	70	0.15	0.079	12
1902048	Soil	2.9	41.7	21.8	78	<0.1	96.6	35.9	847	3.81	50.3	2.1	2.3	11	<0.1	0.7	0.2	85	0.15	0.051	13
1902049	Soil	1.2	24.7	58.1	77	<0.1	27.7	14.5	911	4.97	7.8	1.1	5.6	4	<0.1	0.4	0.5	31	0.06	0.151	16
1902050	Soil	1.5	36.6	45.2	82	<0.1	26.3	13.9	838	4.79	3.1	1.7	5.7	4	<0.1	0.3	0.5	28	0.05	0.119	13
1902051	Soil	1.1	30.6	38.1	75	<0.1	25.5	13.2	948	3.86	4.8	0.8	3.3	5	0.1	0.5	0.5	33	0.06	0.091	14
1902052	Soil	1.4	25.2	47.8	60	<0.1	26.6	12.0	644	4.32	15.1	1.1	2.6	6	<0.1	0.4	0.7	39	0.05	0.057	18
1902053	Soil	0.9	38.3	20.0	65	<0.1	54.1	19.9	1463	3.56	26.7	6.2	5.1	9	<0.1	0.6	0.2	44	0.11	0.045	19
1902054	Soil	1.1	22.4	10.8	62	<0.1	112.8	22.7	589	4.19	11.2	3.2	2.2	11	0.2	0.8	0.1	65	0.15	0.047	11
1902055	Soil	1.1	29.3	14.6	84	<0.1	184.1	40.8	1257	5.72	12.2	2.6	1.4	12	0.2	1.6	0.2	86	0.17	0.088	11
1902056	Soil	1.1	41.7	24.6	89	<0.1	85.2	24.1	782	4.03	17.0	9.6	4.1	18	0.2	2.1	0.2	68	0.28	0.116	30
1902057	Soil	1.6	84.7	79.8	127	0.1	41.7	32.0	1210	3.61	18.3	29.8	8.3	19	0.2	7.5	0.3	59	0.36	0.123	27
1902058	Soil	1.2	78.4	8.9	62	<0.1	46.4	16.7	450	3.46	10.7	2.9	3.1	15	0.1	1.2	0.1	70	0.40	0.065	13
1902059	Soil	1.4	133.7	11.9	90	<0.1	48.8	39.9	1012	4.80	9.5	2.6	1.8	19	0.2	1.2	0.2	95	0.55	0.189	15
1902060	Soil	1.4	62.7	11.3	90	<0.1	32.0	17.7	593	3.53	10.8	2.0	1.7	17	0.1	0.9	0.2	96	0.26	0.065	13
1902061	Soil	1.2	38.4	15.2	84	<0.1	37.5	18.6	808	3.59	11.3	0.7	1.4	23	0.2	1.0	0.2	89	0.38	0.069	12
1902062	Soil	1.3	2.0	1.1	21	<0.1	26.4	16.6	2638	3.41	37.2	1.5	0.5	249	<0.1	0.9	<0.1	12	9.29	0.033	1
1902063	Soil	2.5	116.4	37.1	103	<0.1	67.8	56.0	1942	4.93	31.2	9.7	5.4	22	0.3	3.2	0.2	77	0.40	0.085	23
1902064	Soil	12.1	115.5	64.2	134	<0.1	59.8	60.9	3297	6.33	144.9	4.9	8.3	14	0.4	24.6	0.6	43	0.15	0.069	51
1902065	Soil	1.0	62.8	33.2	149	<0.1	72.1	55.4	1890	6.31	98.3	5.2	5.4	101	0.3	29.4	<0.1	91	1.43	0.195	35



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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1902026	Soil	39	0.67	85	0.062	2	2.42	0.005	0.05	0.1	0.05	3.4	0.1	<0.05	6	0.6	<0.2
1902027	Soil	37	0.77	87	0.065	1	2.24	0.008	0.07	0.1	0.05	4.2	0.1	<0.05	7	1.2	<0.2
1902028	Soil	32	0.50	58	0.053	3	1.51	0.005	0.05	0.2	0.04	2.3	<0.1	<0.05	5	1.0	<0.2
1902029	Soil	33	0.47	60	0.030	3	1.79	0.005	0.05	0.2	0.06	2.0	0.1	<0.05	7	<0.5	<0.2
1902031	Soil	33	0.64	56	0.046	3	1.91	0.005	0.05	0.1	0.02	2.8	<0.1	<0.05	6	1.2	<0.2
1902032	Soil	29	0.31	64	0.041	3	1.49	0.004	0.05	0.2	0.04	2.1	0.2	<0.05	10	0.7	<0.2
1902033	Soil	33	0.56	59	0.022	1	1.81	0.004	0.04	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1902034	Soil	112	0.80	58	0.014	2	2.13	0.004	0.04	0.1	0.04	3.0	0.1	<0.05	11	<0.5	<0.2
1902044	Soil	154	1.65	135	0.008	3	2.04	0.011	0.06	<0.1	0.05	30.6	0.1	<0.05	5	<0.5	<0.2
1902045	Soil	125	0.85	216	0.058	1	2.24	0.007	0.04	0.1	0.04	3.2	0.1	<0.05	7	<0.5	<0.2
1902046	Soil	48	0.71	123	0.051	3	1.15	0.008	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1902047	Soil	87	1.23	120	0.051	<1	1.78	0.008	0.04	0.2	0.05	2.6	0.1	<0.05	8	<0.5	<0.2
1902048	Soil	152	1.29	112	0.051	2	2.11	0.005	0.05	0.1	0.02	4.4	0.1	<0.05	8	<0.5	<0.2
1902049	Soil	32	0.47	31	0.005	<1	1.80	0.006	0.05	<0.1	0.04	2.0	<0.1	<0.05	7	<0.5	<0.2
1902050	Soil	32	0.53	27	0.005	<1	1.77	0.006	0.03	<0.1	0.05	2.1	<0.1	<0.05	8	<0.5	<0.2
1902051	Soil	31	0.48	34	0.009	<1	1.71	0.004	0.03	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
1902052	Soil	32	0.49	46	0.013	<1	1.53	0.004	0.03	<0.1	0.02	1.7	<0.1	<0.05	8	<0.5	<0.2
1902053	Soil	71	0.82	95	0.039	2	1.86	0.005	0.03	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1902054	Soil	277	1.33	113	0.053	<1	1.56	0.006	0.03	0.2	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
1902055	Soil	559	2.09	131	0.041	3	1.78	0.007	0.06	0.1	0.04	4.9	0.1	<0.05	8	<0.5	<0.2
1902056	Soil	174	0.93	90	0.060	2	1.72	0.007	0.05	0.3	0.06	3.4	<0.1	<0.05	6	<0.5	<0.2
1902057	Soil	48	0.83	78	0.080	4	1.74	0.010	0.05	0.4	0.12	5.6	<0.1	<0.05	5	<0.5	<0.2
1902058	Soil	74	0.88	94	0.110	9	1.46	0.006	0.04	0.2	0.06	4.1	<0.1	<0.05	6	<0.5	<0.2
1902059	Soil	41	0.99	174	0.113	18	2.52	0.012	0.05	<0.1	0.05	6.1	0.1	<0.05	10	0.6	<0.2
1902060	Soil	33	0.68	145	0.088	10	1.87	0.005	0.04	0.2	0.05	3.5	0.1	<0.05	8	<0.5	<0.2
1902061	Soil	86	0.85	264	0.055	3	2.16	0.007	0.05	0.1	0.04	4.3	0.1	<0.05	8	<0.5	<0.2
1902062	Soil	6	0.27	98	<0.001	6	0.29	0.005	0.12	<0.1	0.01	4.1	<0.1	<0.05	<1	<0.5	<0.2
1902063	Soil	58	1.39	240	0.038	4	2.19	0.008	0.08	<0.1	0.05	12.0	<0.1	<0.05	7	<0.5	<0.2
1902064	Soil	33	0.47	236	0.024	3	1.31	0.005	0.15	<0.1	0.13	10.1	0.1	<0.05	3	<0.5	<0.2
1902065	Soil	94	1.35	254	0.051	3	1.48	0.009	0.12	<0.1	0.09	14.7	<0.1	<0.05	5	<0.5	<0.2



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1902066	Soil				0.8	55.1	9.9	111	<0.1	72.5	45.6	1812	7.85	9.1	<0.5	3.7	88	0.2	0.5	<0.1	259	1.14	0.246	42
1902067	Soil				5.4	85.8	22.3	149	<0.1	90.5	62.2	2153	8.64	193.6	67.9	2.8	97	0.4	22.7	<0.1	113	1.25	0.220	31
1902068	Soil				2.0	62.9	5.6	53	<0.1	30.4	38.3	1445	3.02	84.4	7.0	0.5	117	0.3	2.1	<0.1	97	1.98	0.145	15
1902069	Soil				23.0	129.5	7.6	141	<0.1	91.3	104.1	2426	14.57	40.7	13.0	2.4	107	0.2	6.0	<0.1	132	1.55	0.211	39
1902070	Soil				0.5	40.2	6.6	85	<0.1	50.7	38.5	1508	7.34	8.0	0.6	3.1	104	0.1	0.9	<0.1	191	1.66	0.209	30
1902071	Soil				0.5	47.8	15.5	97	<0.1	28.0	29.6	2300	6.05	7.1	0.7	1.5	44	0.3	0.9	0.1	164	0.95	0.128	30
1902072	Soil				1.1	58.7	12.7	98	<0.1	82.1	34.7	1638	4.91	21.5	0.6	0.9	62	0.4	2.0	0.1	62	1.70	0.203	19
1902073	Soil				1.6	86.3	170.3	374	0.5	206.8	53.5	1609	7.16	315.9	11.1	1.5	66	1.5	23.8	0.1	46	1.38	0.136	14
1902074	Soil				1.0	72.9	12.6	85	0.1	68.3	28.7	2579	4.61	24.5	1.5	1.1	58	0.3	2.1	0.1	75	1.21	0.116	20
1902075	Soil				0.9	30.4	19.5	76	0.1	48.7	19.4	1100	4.45	15.6	0.9	2.6	38	0.1	1.4	0.1	96	1.21	0.058	20
1902076	Soil				0.7	37.8	26.0	92	0.2	82.0	29.9	1670	4.56	60.2	3.6	2.6	30	0.5	2.8	0.1	64	0.88	0.069	22
1902077	Soil				0.8	19.9	15.0	61	<0.1	17.7	6.3	120	3.61	19.6	<0.5	1.8	21	0.3	1.1	0.2	84	0.36	0.067	13
1902078	Soil				1.8	22.5	28.8	68	<0.1	18.3	9.6	303	3.59	13.6	7.3	3.8	10	0.2	1.2	0.4	60	0.09	0.042	18
1902079	Soil				1.3	25.9	31.6	68	<0.1	19.8	8.9	296	3.39	15.0	7.2	4.5	11	0.1	1.1	0.4	56	0.11	0.037	22
1902080	Soil				1.5	18.7	12.6	56	<0.1	21.9	9.3	322	3.36	11.1	3.8	2.4	15	0.2	0.7	0.2	80	0.16	0.035	15
1902081	Soil				3.1	54.8	65.0	98	0.1	33.4	16.3	2528	3.75	17.3	15.1	2.3	20	0.4	2.0	0.5	68	0.19	0.118	25
1902082	Soil				1.0	21.1	19.8	63	<0.1	20.8	9.8	509	2.79	11.0	6.2	1.7	10	0.2	1.0	0.2	47	0.10	0.039	19
1902101	Soil				5.4	221.8	21.2	83	0.2	206.8	121.6	1619	13.38	80.7	13.3	2.9	14	0.4	7.7	0.2	126	0.15	0.146	25
1902102	Soil				1.3	25.0	11.6	46	<0.1	23.0	9.3	396	4.74	13.4	2.7	2.6	18	0.3	0.9	0.2	105	0.16	0.047	17
1902103	Soil				1.2	27.9	14.5	51	<0.1	24.6	10.1	749	3.21	12.5	3.6	1.6	24	0.2	1.0	0.2	60	0.25	0.060	21
1902104	Soil				1.3	10.1	8.0	28	<0.1	8.7	3.8	118	2.00	6.9	5.3	1.0	13	0.2	0.8	0.2	99	0.15	0.046	14
1902105	Soil				3.5	96.0	25.0	92	0.1	47.5	25.8	813	4.61	15.6	6.5	3.8	32	0.9	1.7	0.4	88	0.22	0.131	22
1902106	Soil				1.1	42.7	15.4	65	<0.1	54.4	19.4	1017	3.91	12.3	5.3	0.7	24	0.2	0.7	0.2	84	0.23	0.102	29
1902107	Soil				1.6	39.6	24.1	62	<0.1	40.6	20.4	1177	4.18	18.2	7.3	1.1	19	0.2	0.8	0.3	66	0.17	0.109	25
1902108	Soil				1.7	29.5	40.9	82	<0.1	21.7	11.9	427	3.93	12.6	3.7	1.8	9	0.1	0.9	0.4	59	0.08	0.094	26
1902109	Soil				1.7	16.6	18.6	49	<0.1	13.6	6.0	267	3.85	9.5	4.6	3.4	7	<0.1	0.7	0.3	53	0.05	0.058	16
1902110	Soil				1.2	59.1	47.2	114	<0.1	40.3	21.1	963	5.04	19.5	3.2	11.8	18	<0.1	0.6	0.5	28	0.15	0.043	68
1902111	Soil				1.5	41.6	37.5	68	<0.1	25.0	13.8	758	3.72	14.1	1.7	1.7	10	<0.1	0.6	0.5	37	0.07	0.078	39
1902112	Soil				1.8	20.9	20.1	62	<0.1	17.9	7.2	460	3.40	11.0	3.2	0.7	10	0.1	0.8	0.4	60	0.07	0.072	16
1902113	Soil				1.4	33.0	39.8	77	<0.1	27.6	16.4	801	3.91	16.4	10.3	2.4	12	0.1	0.7	0.4	48	0.12	0.078	26



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Method Analyte Unit MDL		Method Analyte Unit MDL															
		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1902066	Soil	240	3.88	214	0.110	<1	4.28	0.007	0.07	<0.1	0.03	7.8	0.1	<0.05	17	<0.5	<0.2
1902067	Soil	74	1.27	472	0.087	3	1.45	0.009	0.11	<0.1	0.10	20.1	0.1	<0.05	6	<0.5	<0.2
1902068	Soil	32	0.99	587	0.036	<1	1.14	0.009	0.07	<0.1	0.07	4.3	<0.1	0.11	5	<0.5	<0.2
1902069	Soil	70	1.48	340	0.114	1	1.68	0.007	0.03	<0.1	0.07	7.7	<0.1	0.16	8	<0.5	<0.2
1902070	Soil	115	2.77	1271	0.321	<1	2.53	0.010	0.19	0.1	0.02	8.7	<0.1	<0.05	13	<0.5	<0.2
1902071	Soil	35	1.61	240	0.062	<1	3.41	0.006	0.07	<0.1	0.03	7.5	0.1	<0.05	13	<0.5	<0.2
1902072	Soil	66	0.87	149	0.021	2	2.04	0.009	0.05	<0.1	0.08	5.9	0.1	0.07	6	<0.5	<0.2
1902073	Soil	42	0.47	148	0.018	2	1.10	0.009	0.07	0.1	0.11	12.2	<0.1	0.08	3	0.7	<0.2
1902074	Soil	65	0.89	218	0.024	<1	2.38	0.009	0.05	0.1	0.05	10.2	0.1	0.07	6	<0.5	<0.2
1902075	Soil	65	0.90	253	0.138	<1	2.03	0.008	0.06	0.2	0.03	7.5	0.1	<0.05	7	<0.5	<0.2
1902076	Soil	49	0.57	184	0.027	<1	2.12	0.009	0.04	0.1	0.06	9.6	0.1	<0.05	5	0.6	<0.2
1902077	Soil	50	0.52	91	0.046	<1	1.44	0.005	0.04	0.2	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
1902078	Soil	29	0.34	84	0.036	3	1.78	0.006	0.07	0.3	0.05	2.6	0.2	<0.05	6	1.1	<0.2
1902079	Soil	28	0.40	80	0.033	3	1.73	0.005	0.08	0.2	0.03	2.5	0.2	<0.05	6	0.9	<0.2
1902080	Soil	46	0.55	137	0.091	3	1.75	0.005	0.04	0.2	0.03	3.2	0.2	<0.05	7	1.0	<0.2
1902081	Soil	53	0.63	151	0.022	3	2.26	0.007	0.07	0.2	0.10	4.8	0.2	0.06	7	1.1	<0.2
1902082	Soil	25	0.39	75	0.034	1	1.49	0.005	0.06	0.2	0.04	2.0	0.1	<0.05	4	0.7	<0.2
1902101	Soil	120	2.04	92	0.029	<1	3.31	0.005	0.03	0.1	0.08	14.3	0.1	<0.05	10	2.1	<0.2
1902102	Soil	58	0.66	73	0.057	2	1.98	0.005	0.04	0.2	0.04	4.4	0.1	<0.05	9	0.9	<0.2
1902103	Soil	40	0.56	101	0.046	3	1.88	0.005	0.03	0.2	0.08	3.1	0.1	<0.05	6	0.6	<0.2
1902104	Soil	15	0.12	41	0.046	<1	0.63	0.003	0.03	0.2	0.02	1.3	0.1	<0.05	7	0.6	<0.2
1902105	Soil	50	0.99	105	0.050	2	2.42	0.020	0.05	0.1	0.05	4.5	0.2	0.06	7	1.7	<0.2
1902106	Soil	71	1.27	136	0.037	3	2.55	0.006	0.05	0.1	0.04	3.8	0.1	<0.05	7	1.5	<0.2
1902107	Soil	72	0.83	95	0.023	2	2.20	0.005	0.04	0.1	0.06	3.1	0.1	<0.05	7	1.0	<0.2
1902108	Soil	32	0.44	83	0.026	2	2.22	0.005	0.07	0.2	0.05	2.2	0.2	<0.05	7	1.2	<0.2
1902109	Soil	22	0.22	49	0.027	2	1.28	0.003	0.06	0.1	0.03	1.7	<0.1	<0.05	7	<0.5	<0.2
1902110	Soil	42	0.88	85	0.003	2	2.80	0.004	0.05	<0.1	0.02	3.9	0.1	<0.05	8	<0.5	<0.2
1902111	Soil	32	0.52	70	0.009	2	1.94	0.005	0.05	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
1902112	Soil	32	0.37	66	0.025	1	1.74	0.005	0.06	0.1	0.06	1.5	0.2	<0.05	7	1.0	<0.2
1902113	Soil	34	0.56	66	0.029	2	2.01	0.005	0.06	0.1	0.04	2.1	0.1	<0.05	6	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1902114	Soil	1.3	38.2	44.1	86	<0.1	32.6	16.0	1101	4.64	12.6	3.8	2.1	12	0.1	0.6	0.5	50	0.13	0.109	21
1902115	Soil	2.0	35.6	39.6	69	<0.1	27.5	24.6	1334	3.63	17.9	4.0	1.3	28	<0.1	1.5	1.7	30	0.13	0.123	11
1902116	Soil	1.6	48.5	15.1	92	<0.1	39.0	29.8	1235	3.85	16.4	4.8	1.2	75	0.3	0.8	0.2	105	0.81	0.160	22
1902117	Soil	3.4	89.1	24.1	99	<0.1	65.1	40.3	1579	5.36	26.9	5.2	6.5	67	0.3	1.5	0.2	126	0.51	0.230	159
1902118	Soil	5.0	60.5	33.8	106	0.1	48.6	31.5	1076	4.61	15.5	4.9	1.2	36	0.6	3.2	0.3	86	0.30	0.114	37
1902119	Soil	1.9	66.1	25.6	79	<0.1	63.3	36.8	840	3.12	18.2	1.5	1.3	28	0.4	1.0	0.3	48	0.19	0.101	26
1902120	Soil	1.8	31.9	21.9	64	0.1	20.8	12.9	736	3.11	12.1	3.5	0.2	17	0.2	1.0	0.2	62	0.12	0.137	17
1902121	Soil	6.2	68.2	22.9	83	0.3	21.1	9.6	376	5.67	19.7	16.1	0.5	39	0.3	2.1	0.3	121	0.11	0.210	27
1902122	Soil	1.5	29.6	17.9	66	<0.1	24.9	13.5	625	3.93	15.6	2.9	0.2	36	0.3	0.9	0.2	60	0.14	0.154	22
1902123	Soil	2.4	21.1	20.1	63	<0.1	17.5	8.2	446	3.47	10.6	3.7	1.4	15	0.1	1.1	0.3	50	0.08	0.058	18
1902124	Soil	2.6	65.8	15.5	87	0.1	28.2	27.5	1350	5.67	10.4	3.9	0.9	24	0.4	0.7	0.2	115	0.42	0.168	20
1902125	Soil	4.2	217.0	13.7	71	0.2	64.6	39.5	1443	9.54	10.1	8.3	3.4	22	0.3	3.5	0.2	69	0.24	0.071	16
1902126	Soil	1.9	130.4	71.3	98	<0.1	76.1	48.8	1328	5.10	15.3	1.1	7.3	22	0.2	0.8	0.6	65	0.30	0.091	81
1902127	Soil	2.4	210.6	83.8	139	0.2	97.6	77.2	4618	6.45	28.7	7.2	5.8	68	0.5	1.3	0.6	126	0.62	0.222	212
1902128	Soil	2.6	62.8	43.7	91	<0.1	55.2	25.9	1096	4.82	14.1	4.2	6.9	24	<0.1	0.7	0.5	38	0.14	0.097	32
1902129	Soil	1.6	24.8	27.3	63	<0.1	21.2	9.3	481	3.64	14.6	2.2	0.6	11	0.1	0.8	0.4	57	0.09	0.075	15
1902130	Soil	0.9	23.9	10.6	57	<0.1	32.0	14.9	440	2.78	11.9	3.5	1.5	19	<0.1	0.7	0.2	46	0.24	0.085	18
1902131	Soil	1.3	30.4	18.4	65	<0.1	44.8	19.5	888	3.90	25.5	3.6	0.7	20	0.2	0.8	0.2	73	0.27	0.126	18
1902132	Soil	1.4	28.3	35.7	59	<0.1	19.5	9.4	355	3.25	24.0	2.5	3.2	11	0.1	0.6	0.3	53	0.19	0.081	17
1902133	Soil	1.4	30.1	29.0	60	<0.1	24.2	12.6	512	3.95	20.3	2.0	2.0	8	0.1	0.7	0.3	52	0.09	0.055	15
1896811	Soil	1.6	16.9	13.2	72	<0.1	17.0	11.6	501	2.86	11.5	0.9	4.1	12	0.2	0.6	0.2	54	0.15	0.065	18
1896812	Soil	1.3	9.4	13.5	41	<0.1	7.4	3.6	180	2.65	9.9	<0.5	1.0	8	<0.1	0.5	0.2	64	0.08	0.066	14
1896813	Soil	0.7	15.6	8.3	46	<0.1	15.0	5.6	177	2.05	7.3	1.4	5.4	13	<0.1	0.5	0.1	36	0.21	0.087	20
1896814	Soil	0.6	14.3	6.7	46	<0.1	14.6	5.5	186	1.71	6.4	1.3	7.1	11	0.2	0.4	<0.1	28	0.22	0.077	19
1896815	Soil	0.7	22.3	9.6	57	<0.1	19.5	10.1	397	2.51	7.1	5.0	7.8	12	0.1	0.5	0.1	42	0.18	0.063	21
1896816	Soil	0.7	18.2	7.6	54	<0.1	17.6	7.9	338	1.62	6.5	<0.5	7.2	18	0.2	0.6	<0.1	31	0.38	0.098	19
1896817	Soil	0.4	15.7	7.5	43	<0.1	14.9	6.2	249	1.62	5.6	1.2	7.6	12	0.1	0.4	<0.1	34	0.21	0.082	21
1896818	Soil	1.0	14.4	8.5	55	<0.1	14.3	5.9	217	2.02	7.5	0.6	5.8	9	0.2	0.4	0.1	41	0.15	0.063	15
1896819	Soil	0.7	31.1	10.3	65	<0.1	23.3	10.0	441	2.22	8.2	2.6	9.0	19	0.2	0.6	0.1	46	0.26	0.048	25
1896820	Soil	1.2	12.9	10.8	34	<0.1	10.5	3.6	119	1.93	8.6	<0.5	1.0	12	0.1	0.5	0.2	60	0.13	0.039	16



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1902114	Soil	43	0.61	82	0.042	2	2.03	0.005	0.07	0.1	0.08	2.0	<0.1	<0.05	7	0.6	<0.2
1902115	Soil	32	0.49	91	0.020	1	1.54	0.008	0.07	<0.1	0.12	1.5	<0.1	0.09	5	0.9	<0.2
1902116	Soil	76	0.82	521	0.108	3	2.17	0.008	0.08	0.2	0.07	4.8	0.2	0.08	8	1.3	<0.2
1902117	Soil	90	1.40	108	0.052	2	2.77	0.008	0.06	0.2	0.08	7.4	<0.1	<0.05	11	0.9	<0.2
1902118	Soil	50	0.65	97	0.072	2	2.09	0.008	0.05	0.2	0.08	2.5	0.1	<0.05	7	1.1	<0.2
1902119	Soil	34	0.55	128	0.033	1	1.95	0.007	0.05	0.1	0.04	2.8	0.1	<0.05	5	0.6	<0.2
1902120	Soil	33	0.35	149	0.021	1	1.55	0.006	0.06	0.1	0.09	0.9	0.2	0.06	6	1.0	<0.2
1902121	Soil	38	0.33	193	0.057	1	1.94	0.026	0.13	<0.1	0.08	2.2	0.2	0.22	8	1.9	<0.2
1902122	Soil	43	0.51	96	0.014	2	1.98	0.006	0.08	0.1	0.08	0.9	0.1	0.07	6	1.1	<0.2
1902123	Soil	27	0.38	106	0.032	1	1.49	0.016	0.13	0.2	0.04	2.2	0.2	0.16	5	1.0	<0.2
1902124	Soil	26	1.18	137	0.139	2	2.88	0.013	0.05	<0.1	0.08	4.5	0.1	0.10	10	1.1	<0.2
1902125	Soil	34	0.68	183	0.119	2	1.84	0.011	0.04	<0.1	0.14	8.2	0.1	<0.05	5	0.8	<0.2
1902126	Soil	66	1.50	181	0.076	2	2.51	0.009	0.09	0.2	0.06	5.8	0.1	<0.05	7	0.8	<0.2
1902127	Soil	141	2.05	214	0.072	4	3.65	0.012	0.09	0.1	0.16	13.0	0.2	0.05	12	2.4	<0.2
1902128	Soil	63	1.18	54	0.012	2	2.53	0.013	0.06	<0.1	0.03	3.0	<0.1	0.07	7	<0.5	<0.2
1902129	Soil	36	0.43	78	0.019	2	1.94	0.006	0.06	0.1	0.05	1.5	0.1	<0.05	7	<0.5	<0.2
1902130	Soil	32	0.48	104	0.040	2	1.67	0.007	0.04	0.2	0.06	2.8	<0.1	<0.05	4	<0.5	<0.2
1902131	Soil	89	1.02	117	0.028	1	1.96	0.006	0.05	0.3	0.06	4.5	0.1	0.06	8	<0.5	<0.2
1902132	Soil	29	0.42	55	0.041	2	1.05	0.004	0.04	0.3	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
1902133	Soil	33	0.49	58	0.039	<1	1.42	0.004	0.05	0.2	0.04	1.8	0.1	<0.05	7	<0.5	<0.2
1896811	Soil	29	0.51	154	0.047	<1	1.80	0.007	0.09	0.3	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
1896812	Soil	20	0.17	60	0.047	<1	0.77	0.008	0.05	0.3	0.03	0.9	<0.1	<0.05	8	<0.5	<0.2
1896813	Soil	20	0.35	142	0.050	<1	1.20	0.007	0.08	0.2	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1896814	Soil	16	0.34	77	0.049	<1	1.19	0.007	0.09	0.2	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
1896815	Soil	25	0.48	152	0.061	<1	1.54	0.007	0.09	0.2	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
1896816	Soil	16	0.31	213	0.051	<1	0.60	0.013	0.13	0.2	0.03	2.4	0.2	<0.05	3	<0.5	<0.2
1896817	Soil	18	0.33	137	0.058	<1	0.96	0.010	0.11	0.2	0.02	2.2	0.1	<0.05	3	<0.5	<0.2
1896818	Soil	21	0.36	95	0.048	<1	1.38	0.005	0.07	0.2	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
1896819	Soil	27	0.53	432	0.070	1	1.19	0.009	0.08	0.2	0.05	4.3	0.1	<0.05	4	<0.5	<0.2
1896820	Soil	21	0.22	115	0.024	<1	1.15	0.005	0.06	0.2	0.03	0.8	0.2	<0.05	7	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896821	Soil	0.9	20.2	9.6	52	<0.1	15.7	8.9	329	2.04	8.8	1.0	4.3	8	0.2	0.6	0.1	42	0.14	0.070	16
1896822	Soil	0.7	18.8	8.9	35	<0.1	10.2	4.5	376	1.62	6.4	<0.5	1.1	8	0.2	0.4	0.1	35	0.13	0.061	17
1896823	Soil	1.0	18.4	10.1	58	<0.1	21.2	9.8	409	2.34	9.5	1.8	4.9	13	0.2	0.7	0.1	45	0.19	0.081	17
1896824	Soil	0.8	23.4	8.5	46	<0.1	15.8	10.7	319	2.28	8.2	<0.5	5.2	10	0.2	0.5	0.1	42	0.18	0.091	15
1896825	Soil	0.8	19.6	8.6	61	<0.1	21.5	8.6	311	2.32	8.4	1.3	5.9	18	<0.1	0.5	0.1	49	0.24	0.079	20
1896826	Soil	0.7	20.3	7.6	46	<0.1	15.8	5.8	243	1.87	7.8	1.7	7.0	10	0.2	0.4	<0.1	39	0.15	0.073	19
1896827	Soil	0.6	25.9	9.5	60	<0.1	21.2	9.9	493	2.23	8.8	<0.5	10.2	13	0.2	0.6	0.1	39	0.21	0.077	22
1896828	Soil	0.8	22.7	9.3	56	<0.1	20.0	7.8	309	2.47	11.5	<0.5	5.7	10	0.1	0.6	0.2	44	0.16	0.051	16
1896829	Soil	1.7	19.0	16.6	60	0.2	21.9	7.8	194	2.59	16.2	1.9	2.4	8	0.2	1.3	0.2	53	0.08	0.036	12
1896830	Soil	1.4	20.8	16.5	72	0.7	26.9	8.5	173	2.53	70.9	75.5	4.0	10	0.3	2.7	0.2	27	0.11	0.090	10
1896831	Soil	1.7	28.5	9.9	37	0.3	13.0	4.8	128	1.70	92.1	8.7	3.7	8	0.1	3.2	0.1	28	0.08	0.047	11
1896832	Soil	1.3	22.7	13.4	52	0.2	19.1	5.9	187	2.81	60.1	5.5	1.4	15	0.2	2.4	0.2	46	0.11	0.082	10
1896833	Soil	1.6	71.4	471.9	188	2.4	42.0	13.7	590	3.83	1083.2	866.5	3.1	49	1.3	33.0	0.4	29	0.18	0.125	12
1896834	Soil	1.7	44.6	30.2	118	0.9	44.4	12.6	403	3.31	117.4	15.9	5.9	28	0.6	7.0	0.2	28	0.27	0.133	13
1896835	Soil	1.9	33.5	17.2	104	0.5	31.2	10.0	364	2.64	86.9	43.0	5.2	17	0.6	3.6	0.2	42	0.27	0.119	15
1896836	Soil	1.8	33.1	19.8	78	0.3	24.8	8.5	307	3.02	101.9	8.9	2.1	12	0.2	3.3	0.3	50	0.07	0.076	12
1896837	Soil	1.6	25.3	16.2	63	0.3	18.9	6.0	179	2.78	74.9	8.4	0.6	12	0.2	1.6	0.2	45	0.14	0.096	12
1896838	Soil	1.3	39.9	12.6	75	0.2	26.2	9.3	404	2.49	25.8	3.9	4.0	14	0.2	1.1	0.2	48	0.21	0.091	17
1896839	Soil	1.5	39.4	13.9	68	0.4	21.1	11.2	399	2.79	39.0	8.0	3.7	13	0.1	1.1	0.2	50	0.16	0.085	15
1896840	Soil	1.3	42.7	13.7	70	0.2	20.3	10.9	516	2.59	25.0	6.2	3.5	12	0.4	1.3	0.2	52	0.18	0.068	18
1896841	Soil	1.2	32.1	15.0	71	<0.1	24.8	9.7	234	3.18	27.9	16.1	4.7	10	0.5	1.2	0.1	47	0.16	0.076	12
1896842	Soil	1.2	23.2	19.4	67	0.3	16.5	8.1	418	3.56	27.7	1.0	2.5	11	0.3	0.9	0.2	52	0.19	0.087	12
1896843	Soil	1.5	29.2	14.8	56	0.3	16.7	5.4	180	2.63	32.7	2.2	0.9	11	0.2	1.3	0.2	50	0.15	0.064	12
1896844	Soil	0.9	40.2	65.3	64	0.1	20.3	8.2	297	1.92	35.3	35.0	4.3	10	0.3	1.0	<0.1	30	0.18	0.056	12
1896845	Soil	1.5	30.8	16.6	63	0.3	21.3	11.3	733	2.33	42.8	47.5	0.7	10	0.2	1.5	0.2	43	0.12	0.082	12
1896846	Soil	1.3	45.9	17.8	81	0.2	26.6	10.8	439	2.44	41.9	10.0	3.3	13	0.4	1.4	0.1	34	0.22	0.084	13
1896847	Soil	6.9	364.2	20.9	61	0.6	121.6	57.5	653	5.62	74.2	12.0	7.6	73	0.3	4.0	0.1	59	0.82	0.263	26
1896848	Soil	2.0	333.3	10.3	114	1.3	76.7	57.5	2043	6.15	68.1	10.6	2.8	21	0.6	10.1	<0.1	85	0.61	0.173	12
1896849	Soil	0.9	337.4	9.9	93	0.4	57.0	48.1	1717	5.68	66.1	20.0	2.3	21	0.4	7.4	<0.1	90	0.59	0.139	10
1896850	Soil	3.2	164.3	11.4	74	0.3	45.9	25.0	758	3.67	72.2	3.8	3.6	21	0.3	1.0	0.1	68	0.78	0.102	13



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1896821	Soil	22	0.33	91	0.048	<1	1.48	0.007	0.10	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1896822	Soil	16	0.22	93	0.042	<1	1.05	0.009	0.04	0.1	0.02	0.9	<0.1	<0.05	4	0.6	<0.2
1896823	Soil	26	0.49	114	0.051	<1	1.52	0.009	0.08	0.2	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
1896824	Soil	22	0.34	100	0.059	<1	1.50	0.007	0.07	0.2	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
1896825	Soil	27	0.45	249	0.060	<1	1.32	0.009	0.07	0.2	0.03	3.7	0.1	<0.05	4	<0.5	<0.2
1896826	Soil	20	0.38	124	0.051	<1	1.44	0.008	0.09	0.2	0.03	2.5	0.1	<0.05	3	<0.5	<0.2
1896827	Soil	23	0.44	164	0.069	<1	1.31	0.008	0.15	0.2	0.04	3.2	0.2	<0.05	4	<0.5	<0.2
1896828	Soil	22	0.41	87	0.059	<1	1.11	0.008	0.09	0.2	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1896829	Soil	25	0.27	73	0.028	<1	1.12	0.007	0.05	0.2	0.06	1.7	0.1	<0.05	4	<0.5	<0.2
1896830	Soil	19	0.18	50	0.013	<1	0.74	0.006	0.02	<0.1	0.06	1.7	<0.1	<0.05	2	<0.5	<0.2
1896831	Soil	18	0.22	72	0.012	<1	0.72	0.008	0.03	0.1	0.08	1.7	0.4	<0.05	2	<0.5	<0.2
1896832	Soil	23	0.22	85	0.019	<1	1.09	0.006	0.03	0.3	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1896833	Soil	20	0.23	114	0.008	<1	0.88	0.009	0.05	6.7	0.13	2.5	0.2	<0.05	3	1.2	<0.2
1896834	Soil	20	0.20	91	0.009	<1	1.00	0.010	0.04	0.2	0.08	2.8	<0.1	<0.05	3	0.5	<0.2
1896835	Soil	25	0.33	109	0.036	<1	1.06	0.008	0.04	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
1896836	Soil	30	0.31	122	0.018	<1	1.30	0.006	0.04	0.2	0.05	2.8	0.1	<0.05	5	<0.5	<0.2
1896837	Soil	27	0.39	112	0.017	<1	1.46	0.008	0.05	0.2	0.07	1.3	0.1	<0.05	5	<0.5	<0.2
1896838	Soil	29	0.49	141	0.038	<1	1.49	0.008	0.06	0.2	0.04	3.6	0.1	<0.05	4	<0.5	<0.2
1896839	Soil	28	0.45	141	0.034	<1	1.91	0.007	0.06	0.2	0.06	3.8	0.1	<0.05	5	0.7	<0.2
1896840	Soil	27	0.45	158	0.036	<1	1.61	0.008	0.06	0.2	0.05	4.0	0.1	<0.05	4	<0.5	<0.2
1896841	Soil	29	0.36	82	0.040	<1	1.76	0.007	0.04	0.3	0.05	3.3	<0.1	<0.05	4	0.8	<0.2
1896842	Soil	30	0.41	103	0.031	<1	2.04	0.007	0.05	0.2	0.04	2.7	<0.1	<0.05	5	0.7	<0.2
1896843	Soil	28	0.42	118	0.023	<1	1.46	0.008	0.04	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1896844	Soil	18	0.34	91	0.035	<1	0.98	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1896845	Soil	26	0.31	118	0.014	<1	1.42	0.007	0.04	0.1	0.04	1.8	0.1	<0.05	5	0.7	<0.2
1896846	Soil	23	0.37	122	0.026	<1	1.10	0.007	0.06	0.2	0.06	2.9	<0.1	<0.05	4	<0.5	<0.2
1896847	Soil	73	1.54	38	0.016	<1	2.11	0.096	0.03	<0.1	0.04	6.3	0.1	0.29	6	4.0	<0.2
1896848	Soil	76	1.25	218	0.019	4	1.86	0.015	0.10	<0.1	0.03	13.1	0.9	<0.05	6	0.6	<0.2
1896849	Soil	59	1.43	188	0.040	<1	2.15	0.007	0.14	<0.1	0.03	9.2	0.5	<0.05	6	<0.5	<0.2
1896850	Soil	48	1.38	90	0.043	<1	1.91	0.006	0.07	<0.1	0.05	5.0	0.2	<0.05	5	1.0	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896851	Soil	4.3	96.2	20.9	149	0.7	46.7	15.7	518	4.11	338.2	4.4	5.9	14	1.0	1.5	0.5	39	0.49	0.171	20
1896852	Soil	2.4	124.9	23.0	122	1.2	35.4	16.2	605	3.39	101.0	5.7	4.4	19	0.7	1.8	0.3	43	0.59	0.167	19
1896853	Soil	6.9	75.7	30.1	146	0.9	38.1	9.7	359	2.80	39.3	7.1	3.7	13	0.9	3.6	0.2	19	0.35	0.139	13
1896854	Soil	3.2	119.4	19.4	104	0.5	31.5	19.0	748	3.51	40.2	3.9	3.7	17	0.4	1.2	0.4	54	0.45	0.122	13
1896855	Soil	7.5	70.6	19.0	141	0.7	34.0	12.9	554	3.67	48.2	8.3	3.8	22	1.3	2.5	0.2	24	0.65	0.118	15
1896856	Soil	9.1	53.6	31.8	180	0.7	36.6	12.4	613	3.09	56.7	15.4	3.7	18	1.4	2.6	0.2	23	0.57	0.152	14
1896857	Soil	5.0	54.9	23.9	176	0.6	33.3	13.9	471	3.05	36.6	8.3	3.5	21	1.5	1.7	0.2	29	0.56	0.120	14
1896858	Soil	5.4	48.2	23.3	167	0.6	30.0	12.6	396	3.51	44.9	10.2	3.2	19	1.0	1.5	0.2	36	0.54	0.102	14
1896859	Soil	2.2	68.8	14.3	114	0.3	30.1	16.1	402	3.02	15.2	5.2	3.4	13	0.4	0.6	0.2	51	0.29	0.093	14
1896860	Soil	2.3	35.6	10.5	86	0.3	17.6	10.1	374	2.65	13.3	3.0	2.5	7	0.2	0.3	0.1	51	0.11	0.039	11
1896861	Soil	3.8	78.0	27.7	134	1.3	40.0	12.7	356	5.34	37.0	4.9	3.3	7	0.5	0.8	0.3	81	0.13	0.098	10
1896862	Soil	6.1	79.1	20.7	213	0.6	48.3	13.2	418	3.58	36.2	5.3	2.4	13	1.7	1.1	0.3	34	0.28	0.151	16
1896863	Soil	2.7	132.4	22.7	79	1.6	56.1	28.3	336	4.39	57.5	26.3	2.8	7	0.6	0.7	0.2	63	0.15	0.030	10
1896864	Soil	1.7	284.7	7.7	118	0.2	39.2	18.5	531	3.79	22.4	4.4	1.7	20	0.5	0.9	0.1	71	0.44	0.068	8
1896865	Soil	11.7	50.2	25.1	190	0.7	37.7	12.4	511	2.82	47.7	6.7	2.7	30	1.2	3.4	0.2	28	0.99	0.106	11
1896866	Soil	3.7	83.2	17.1	139	1.1	36.6	12.2	440	2.87	29.0	10.5	3.1	16	2.0	0.9	0.4	36	0.29	0.087	22
1896867	Soil	6.6	86.3	5.0	202	0.6	56.3	34.6	795	4.79	29.9	15.3	11.2	15	1.3	0.7	0.7	21	0.16	0.092	29
1896868	Soil	2.4	36.0	14.4	95	0.6	21.1	5.5	82	2.18	24.8	5.4	2.7	13	0.5	0.6	0.3	35	0.26	0.101	16
1896869	Soil	4.7	58.7	14.8	233	1.0	44.2	15.4	374	3.44	39.7	7.3	5.1	17	2.2	0.9	0.3	31	0.30	0.103	15
1896870	Soil	5.0	80.5	44.0	155	0.9	41.4	12.4	1037	2.59	49.4	7.4	3.9	19	1.3	2.8	0.2	22	0.36	0.090	13
1896871	Soil	4.7	70.3	60.1	153	0.8	35.1	12.1	1028	3.07	53.4	4.4	5.1	15	1.0	3.0	0.2	21	0.20	0.068	15
1896872	Soil	4.3	74.6	58.6	133	0.8	38.6	9.5	558	2.80	48.6	4.6	4.3	15	1.2	3.0	0.2	24	0.23	0.081	15
1896873	Soil	0.6	11.6	8.0	42	0.2	14.7	5.1	436	1.94	454.8	202.2	1.5	7	0.3	0.9	<0.1	22	0.15	0.031	8
1896874	Soil	0.7	17.6	6.3	66	<0.1	25.6	9.0	360	2.07	80.9	9.5	1.6	12	0.4	1.2	<0.1	30	0.12	0.058	14
1896875	Soil	0.5	30.8	14.3	62	1.0	28.2	5.5	39	2.46	33.2	3.1	13.1	36	0.1	3.1	0.3	14	0.05	0.047	20
1896876	Soil	4.0	87.6	24.9	78	0.6	24.9	5.4	89	4.80	22.4	6.6	10.9	41	<0.1	5.3	0.4	15	<0.01	0.132	6
1896877	Soil	4.3	88.4	16.8	108	0.7	47.1	14.1	965	3.82	122.6	28.3	5.1	33	0.3	3.5	0.3	19	0.11	0.100	15
1896878	Soil	11.6	187.7	28.9	216	0.3	55.8	21.8	2341	3.03	32.0	5.5	5.7	27	1.8	2.9	0.3	18	0.17	0.060	12
1896879	Soil	0.9	20.2	8.0	47	0.4	30.4	7.1	318	2.03	398.1	21.1	6.1	10	0.3	2.8	0.1	10	0.19	0.096	15
1896880	Soil	1.0	20.3	8.6	64	0.1	26.0	8.4	366	2.39	15.5	3.1	1.9	12	0.1	1.1	0.1	40	0.16	0.046	12



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1896851	Soil	37	1.05	100	0.027	<1	1.28	0.004	0.05	<0.1	0.09	4.4	0.1	<0.05	4	0.7	<0.2
1896852	Soil	31	0.79	133	0.016	1	1.36	0.004	0.05	<0.1	0.09	4.1	0.1	<0.05	4	<0.5	<0.2
1896853	Soil	15	0.32	83	0.008	<1	0.69	0.004	0.02	<0.1	0.10	2.2	<0.1	<0.05	2	1.5	<0.2
1896854	Soil	28	0.87	149	0.021	1	1.37	0.005	0.04	<0.1	0.07	5.0	0.1	<0.05	4	1.4	<0.2
1896855	Soil	16	0.32	130	0.006	<1	0.83	0.006	0.04	<0.1	0.19	2.6	0.1	<0.05	2	4.6	<0.2
1896856	Soil	12	0.26	94	0.007	<1	0.71	0.004	0.03	<0.1	0.10	2.3	<0.1	<0.05	2	3.1	<0.2
1896857	Soil	20	0.47	165	0.013	<1	1.04	0.008	0.04	<0.1	0.10	2.8	0.1	<0.05	3	1.9	<0.2
1896858	Soil	20	0.48	212	0.013	<1	1.27	0.008	0.05	<0.1	0.09	3.7	0.1	<0.05	3	1.9	<0.2
1896859	Soil	32	0.76	185	0.037	<1	1.95	0.007	0.06	<0.1	0.05	3.6	0.1	<0.05	5	0.7	<0.2
1896860	Soil	28	0.49	93	0.044	<1	1.25	0.006	0.05	0.1	0.03	2.5	0.1	<0.05	5	0.5	<0.2
1896861	Soil	44	0.64	75	0.075	<1	2.10	0.009	0.05	0.2	0.07	4.0	0.2	<0.05	7	1.3	<0.2
1896862	Soil	24	0.48	85	0.023	<1	1.14	0.010	0.05	<0.1	0.03	2.5	0.1	<0.05	3	2.2	<0.2
1896863	Soil	32	0.48	110	0.013	<1	2.10	0.005	0.02	0.1	0.03	6.4	0.1	<0.05	5	0.8	<0.2
1896864	Soil	21	0.92	390	0.063	1	1.72	0.006	0.06	<0.1	0.08	4.5	0.1	<0.05	5	0.7	<0.2
1896865	Soil	14	0.30	134	0.008	<1	0.91	0.007	0.04	<0.1	0.07	2.2	0.1	<0.05	2	2.3	<0.2
1896866	Soil	25	0.46	204	0.011	<1	1.43	0.006	0.05	0.1	0.10	2.9	0.1	<0.05	4	1.7	<0.2
1896867	Soil	23	1.13	64	0.002	<1	1.87	0.004	0.04	<0.1	0.01	1.9	<0.1	<0.05	4	2.5	0.3
1896868	Soil	21	0.44	118	0.013	<1	1.18	0.005	0.05	<0.1	0.06	1.9	0.1	<0.05	3	1.2	<0.2
1896869	Soil	24	0.54	84	0.025	<1	1.03	0.009	0.04	0.1	0.03	2.3	<0.1	<0.05	3	2.9	<0.2
1896870	Soil	16	0.40	204	0.009	<1	0.71	0.004	0.02	<0.1	0.05	1.9	<0.1	<0.05	2	1.7	<0.2
1896871	Soil	18	0.60	226	0.005	<1	1.09	0.004	0.02	<0.1	0.03	1.6	<0.1	<0.05	3	0.8	<0.2
1896872	Soil	17	0.44	226	0.010	<1	0.87	0.004	0.03	<0.1	0.03	2.0	<0.1	<0.05	3	1.0	<0.2
1896873	Soil	15	0.14	71	0.010	<1	0.61	0.004	0.02	0.2	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1896874	Soil	18	0.25	58	0.019	1	1.01	0.006	0.03	0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1896875	Soil	19	0.03	15	<0.001	<1	0.54	0.006	0.01	<0.1	0.04	2.2	<0.1	<0.05	2	1.2	<0.2
1896876	Soil	21	0.22	157	<0.001	<1	0.64	0.004	0.02	<0.1	0.07	1.5	<0.1	0.07	2	2.1	<0.2
1896877	Soil	22	0.29	315	0.001	<1	1.07	0.006	0.04	<0.1	0.04	1.8	<0.1	0.08	2	2.9	<0.2
1896878	Soil	21	0.69	336	<0.001	<1	1.35	0.004	0.03	<0.1	0.07	1.7	0.1	<0.05	4	0.8	<0.2
1896879	Soil	8	0.06	33	0.001	<1	0.41	0.004	0.02	<0.1	0.02	1.4	0.1	<0.05	1	0.8	<0.2
1896880	Soil	23	0.38	105	0.031	<1	1.17	0.009	0.05	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896881	Soil	1.4	44.4	20.9	70	0.4	39.8	17.3	148	2.94	76.9	4.5	9.8	17	0.2	8.1	0.4	23	0.07	0.092	28
1896882	Soil	1.2	23.6	9.6	71	<0.1	22.7	8.7	254	2.16	12.3	2.5	4.2	14	0.2	1.0	0.1	42	0.18	0.063	13
1896883	Soil	1.9	38.9	14.4	123	0.6	61.0	33.4	1751	3.24	1404.7	335.2	6.5	23	0.7	3.3	0.2	35	0.18	0.089	15
1896884	Soil	1.1	20.9	12.1	52	0.1	25.2	8.3	200	2.24	18.7	3.5	3.9	11	0.2	1.6	0.2	46	0.12	0.056	14
1896885	Soil	3.5	22.1	33.0	42	1.7	13.0	2.0	78	3.64	71.5	3.5	8.0	56	0.1	9.7	0.5	26	0.05	0.108	13
1896886	Soil	5.3	26.0	19.1	52	1.1	17.6	3.3	101	2.42	31.1	12.7	4.2	13	0.1	6.8	0.3	42	0.07	0.056	21
1896887	Soil	1.1	23.9	9.0	60	0.1	19.0	6.6	215	2.24	44.4	14.5	5.3	13	0.2	1.6	0.2	40	0.15	0.071	18
1896888	Soil	1.3	27.5	14.9	42	0.4	12.3	3.5	145	2.56	151.3	91.4	9.9	14	0.2	2.4	0.2	25	0.06	0.119	11
1896889	Soil	2.7	38.2	19.8	41	0.8	12.0	2.5	110	2.29	133.1	60.7	4.4	13	0.1	3.8	0.3	31	0.04	0.090	20
1896890	Soil	1.2	30.2	9.2	59	0.2	22.4	7.8	254	2.34	69.1	37.9	5.4	11	0.3	1.6	0.1	37	0.11	0.058	16
1896891	Soil	1.2	26.5	8.5	63	0.2	19.5	6.0	224	2.18	26.2	8.3	6.2	12	0.3	1.4	0.1	42	0.17	0.082	17
1896892	Soil	1.7	30.3	13.4	69	0.2	22.6	6.8	292	2.47	36.8	17.2	5.6	12	0.2	2.0	0.2	45	0.12	0.082	17
1896893	Soil	1.1	45.2	14.5	62	0.2	29.5	8.9	200	2.86	17.1	5.7	3.0	9	0.5	0.9	0.2	58	0.11	0.029	11
1896894	Soil	1.2	115.7	10.7	99	<0.1	30.6	15.8	552	2.92	24.3	15.9	4.8	17	0.5	1.1	0.1	66	0.25	0.091	16
1896895	Soil	1.4	97.7	9.3	61	0.1	21.4	9.1	331	2.86	24.1	3.0	0.7	11	0.2	0.7	0.2	66	0.15	0.097	7
1896896	Soil	1.5	390.8	43.2	156	0.3	45.1	28.8	986	3.78	313.3	8.6	1.9	22	0.7	1.1	0.2	90	0.55	0.100	12
1896897	Soil	1.1	82.8	14.8	77	0.1	24.5	8.7	262	2.33	97.1	3.0	2.4	17	0.2	0.8	0.1	54	0.31	0.078	14
1896898	Soil	1.6	68.5	18.7	73	0.2	21.0	12.1	446	2.71	146.8	3.3	1.8	12	0.1	0.8	0.2	62	0.16	0.072	15
1896899	Soil	1.4	30.9	11.5	74	<0.1	22.2	10.9	485	2.51	45.9	13.6	3.4	14	0.3	0.9	0.1	52	0.20	0.078	15
1896900	Soil	1.5	41.0	17.9	89	0.1	29.1	12.1	585	2.90	47.0	8.8	3.7	12	0.3	1.1	0.2	53	0.17	0.075	17
1896901	Soil	1.5	36.1	15.5	65	0.2	21.9	8.0	286	2.48	29.2	4.3	3.2	9	0.1	1.1	0.2	49	0.09	0.056	17
1896902	Soil	1.1	35.7	11.1	81	0.2	28.2	8.4	283	2.36	23.8	6.9	5.0	21	0.2	1.0	0.1	43	0.27	0.079	16
1896903	Soil	1.2	23.9	14.6	66	0.2	31.5	12.4	269	2.89	25.7	29.9	6.7	10	0.2	0.9	0.2	59	0.10	0.026	13
1896904	Soil	1.3	53.6	17.9	74	0.1	26.7	8.9	422	2.60	39.7	7.8	4.9	9	0.2	1.1	0.2	41	0.11	0.040	16
1896905	Soil	1.5	23.7	21.1	63	0.1	17.8	6.7	239	2.82	36.1	8.5	4.8	8	0.1	0.9	0.2	53	0.07	0.041	14
1896906	Soil	0.9	28.2	10.9	57	<0.1	21.3	8.1	189	2.30	15.9	2.6	2.7	13	<0.1	0.8	0.1	52	0.16	0.068	19
1896907	Soil	3.3	33.3	19.9	58	0.7	18.7	5.5	195	3.76	36.5	12.1	8.9	14	<0.1	2.1	0.7	49	0.09	0.148	37
1896908	Soil	1.3	282.8	10.7	96	<0.1	51.3	31.6	959	3.87	33.2	12.3	2.1	16	0.1	0.8	0.1	100	0.39	0.079	14
1896909	Soil	1.4	763.8	7.8	111	0.2	42.3	34.5	986	5.24	23.2	272.8	3.8	15	0.2	0.7	<0.1	144	0.36	0.124	12
1896910	Soil	2.6	260.5	14.2	135	0.6	99.3	50.2	1148	4.30	63.3	14.9	12.1	21	0.5	1.6	0.3	71	0.23	0.145	41



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1896881	Soil	23	0.10	47	0.002	2	1.05	0.004	0.02	<0.1	0.05	2.3	0.1	<0.05	3	<0.5	<0.2
1896882	Soil	25	0.43	95	0.046	3	1.39	0.008	0.05	0.3	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
1896883	Soil	21	0.30	146	0.030	2	1.31	0.009	0.05	0.2	0.05	3.3	0.1	<0.05	3	0.5	<0.2
1896884	Soil	23	0.33	75	0.032	2	1.57	0.006	0.04	0.2	0.04	2.2	0.1	<0.05	4	<0.5	<0.2
1896885	Soil	19	0.07	97	<0.001	<1	0.55	0.081	0.09	<0.1	0.06	1.0	0.2	0.37	3	1.6	<0.2
1896886	Soil	25	0.23	143	0.013	4	1.23	0.012	0.04	0.1	0.06	2.3	<0.1	<0.05	4	2.1	<0.2
1896887	Soil	24	0.35	81	0.040	<1	1.20	0.011	0.05	0.3	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1896888	Soil	20	0.15	40	0.021	<1	0.64	0.006	0.03	0.2	0.02	2.3	<0.1	<0.05	2	<0.5	<0.2
1896889	Soil	25	0.16	63	0.007	<1	0.93	0.012	0.04	0.2	0.02	1.7	0.1	<0.05	4	2.3	<0.2
1896890	Soil	24	0.28	88	0.040	1	1.18	0.010	0.04	0.3	0.05	2.5	0.1	<0.05	3	0.6	<0.2
1896891	Soil	22	0.33	143	0.044	2	0.99	0.008	0.04	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1896892	Soil	26	0.40	94	0.034	<1	1.42	0.009	0.05	0.2	0.03	2.6	<0.1	<0.05	5	0.8	<0.2
1896893	Soil	29	0.42	136	0.051	2	1.76	0.009	0.05	0.3	0.06	2.8	0.1	<0.05	5	<0.5	<0.2
1896894	Soil	26	0.45	116	0.058	1	1.14	0.008	0.05	0.4	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1896895	Soil	23	0.49	72	0.039	<1	1.62	0.015	0.04	0.1	0.16	3.3	0.1	0.13	6	0.9	<0.2
1896896	Soil	37	1.06	217	0.045	2	2.01	0.014	0.07	0.1	0.12	5.8	0.1	<0.05	6	0.6	<0.2
1896897	Soil	28	0.51	180	0.036	1	1.46	0.008	0.07	0.3	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1896898	Soil	32	0.53	149	0.032	2	2.07	0.006	0.05	0.3	0.03	3.2	0.2	<0.05	5	0.8	<0.2
1896899	Soil	29	0.49	98	0.044	1	1.43	0.009	0.06	0.3	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1896900	Soil	30	0.52	147	0.040	<1	2.00	0.009	0.07	0.2	0.04	3.8	0.1	<0.05	4	<0.5	<0.2
1896901	Soil	28	0.44	140	0.037	1	1.75	0.005	0.05	0.2	0.05	2.9	0.1	<0.05	5	<0.5	<0.2
1896902	Soil	24	0.43	511	0.048	2	1.18	0.010	0.06	0.2	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
1896903	Soil	32	0.46	136	0.049	1	2.26	0.007	0.06	0.2	0.05	3.6	0.1	<0.05	5	<0.5	<0.2
1896904	Soil	24	0.46	180	0.041	<1	1.47	0.006	0.04	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
1896905	Soil	29	0.37	117	0.035	1	1.74	0.007	0.05	0.2	0.04	2.7	0.1	<0.05	6	<0.5	<0.2
1896906	Soil	29	0.37	148	0.039	1	1.40	0.006	0.05	0.2	0.06	3.1	0.1	<0.05	4	<0.5	<0.2
1896907	Soil	28	0.22	67	0.015	<1	1.12	0.015	0.04	0.1	0.06	2.6	<0.1	<0.05	4	3.6	0.2
1896908	Soil	42	1.07	115	0.039	2	2.58	0.007	0.05	0.2	0.07	4.3	0.1	<0.05	6	<0.5	<0.2
1896909	Soil	22	1.30	90	0.079	<1	2.41	0.008	0.09	0.2	0.06	6.5	0.1	<0.05	8	<0.5	<0.2
1896910	Soil	56	0.91	99	0.036	<1	2.04	0.014	0.04	0.1	0.05	7.5	<0.1	<0.05	5	2.1	<0.2



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Vancouver British Columbia V6G 1T2 Canada

Project: Keno Silver
Report Date: November 23, 2019

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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896911	Soil	2.1	161.6	24.1	61	0.9	36.4	11.6	263	3.44	28.7	5.7	15.0	20	0.1	1.7	0.6	46	0.14	0.164	37
1896912	Soil	2.5	42.7	12.5	58	0.6	20.7	6.2	128	3.84	23.6	2.9	14.2	13	0.2	1.2	0.6	44	0.11	0.174	53
1896913	Soil	1.4	44.4	7.9	52	<0.1	26.3	8.7	218	2.90	20.2	4.3	2.0	10	0.1	0.7	0.1	59	0.11	0.056	17
1896914	Soil	1.3	431.2	7.0	62	0.1	35.5	12.4	280	3.02	10.3	13.7	2.1	12	0.2	0.7	0.1	57	0.19	0.063	14
1896915	Soil	1.6	583.5	6.7	83	0.1	31.5	17.4	530	4.15	9.4	3.7	2.5	12	0.2	0.5	0.1	98	0.21	0.081	11
1896916	Soil	1.3	693.2	7.9	84	0.1	47.0	20.2	705	3.47	10.6	7.5	4.1	14	0.3	0.6	0.1	84	0.31	0.117	13
1896917	Soil	1.3	587.5	12.7	86	0.1	34.9	24.2	656	4.30	14.9	11.0	0.9	14	0.3	0.7	0.2	102	0.23	0.126	10
1896919	Soil	15.5	68.4	47.4	73	2.1	10.0	2.2	131	5.63	7.7	3.2	11.4	45	0.5	2.7	0.3	60	0.14	0.296	62
1896920	Soil	2.5	137.1	14.7	407	0.6	195.9	47.5	896	5.33	9.7	3.5	8.1	35	1.3	0.9	0.2	44	0.22	0.131	27
1896921	Soil	1.2	162.0	6.1	107	0.1	40.4	30.2	824	4.22	13.5	5.2	2.0	16	0.5	0.8	0.1	78	0.24	0.065	13
1896922	Soil	0.4	122.6	1.6	130	0.2	116.5	49.7	1249	4.11	20.5	0.6	0.9	15	0.6	0.5	<0.1	91	0.37	0.048	4
1896923	Soil	20.3	63.6	32.4	76	0.2	26.5	6.6	628	3.35	31.8	<0.5	11.3	136	0.4	2.5	0.6	17	0.02	0.105	51
1896924	Soil	2.5	70.9	13.5	101	0.2	38.7	12.9	634	3.06	15.7	8.7	4.0	18	0.4	1.2	0.2	40	0.13	0.077	18
1896925	Soil	1.0	35.8	10.6	38	0.3	13.0	3.2	106	1.86	51.1	1.8	5.0	29	<0.1	2.4	0.2	12	0.01	0.063	16
1896926	Soil	0.8	17.1	6.9	34	0.1	11.4	3.2	96	1.30	14.1	<0.5	2.6	8	<0.1	1.0	0.1	17	0.05	0.054	12
1896927	Soil	0.7	18.4	7.1	43	0.1	13.6	4.4	194	1.74	9.1	<0.5	3.4	8	0.2	1.0	0.1	20	0.06	0.062	14
1896928	Soil	1.3	27.0	12.3	59	0.1	18.0	5.2	160	1.96	11.8	2.2	5.2	9	0.2	1.3	0.2	33	0.08	0.077	19
1896929	Soil	1.4	25.2	14.9	65	0.2	18.8	6.1	207	1.95	23.1	3.1	3.7	11	0.2	2.0	0.2	37	0.12	0.078	15
1896930	Soil	1.1	20.3	39.8	48	0.2	14.7	4.5	168	1.69	12.9	1.1	4.5	10	0.2	1.6	0.1	28	0.10	0.063	20
1896931	Soil	1.1	20.5	13.9	57	0.1	17.0	5.8	247	1.91	10.0	<0.5	4.0	10	0.2	1.2	0.1	32	0.12	0.072	16
1896932	Soil	0.9	17.2	7.5	33	0.2	9.9	2.6	92	1.50	9.8	<0.5	5.2	8	<0.1	1.1	0.1	17	0.03	0.053	22
1896933	Soil	0.9	27.4	10.3	53	0.1	20.2	10.6	291	1.85	12.8	3.0	4.1	7	0.3	1.2	0.1	30	0.05	0.045	19
1896934	Soil	0.9	31.5	9.5	64	0.1	20.8	9.4	397	2.19	11.7	9.5	3.8	9	0.3	1.1	0.1	40	0.08	0.054	15
1896935	Soil	0.8	28.4	10.5	53	0.1	20.0	7.0	228	2.07	11.6	<0.5	3.8	8	0.2	1.2	0.1	39	0.08	0.054	14
1896936	Soil	1.3	30.3	14.9	61	0.2	21.3	7.3	268	2.28	14.8	1.5	2.2	9	0.2	1.5	0.2	42	0.07	0.069	16
1896937	Soil	1.1	34.4	8.2	55	0.1	22.1	7.4	513	2.13	10.2	6.5	4.3	11	0.2	1.0	0.1	38	0.14	0.062	16
1896938	Soil	1.0	31.5	9.2	55	0.2	23.0	8.2	395	2.30	14.9	3.4	3.6	10	0.2	1.1	0.2	34	0.11	0.075	21
1896939	Soil	1.0	62.7	6.7	59	<0.1	25.9	8.5	267	2.30	8.6	3.2	3.0	10	0.2	0.7	0.1	40	0.16	0.068	16
1896940	Soil	1.5	72.0	11.2	74	0.2	28.9	13.3	618	2.99	13.2	0.6	2.6	13	0.2	0.9	0.2	56	0.15	0.080	18
1896941	Soil	1.4	27.9	13.7	62	0.2	20.2	7.8	349	2.49	10.8	6.4	1.4	9	0.1	1.1	0.2	47	0.08	0.059	16



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		Method Analyte Unit MDL	Method															AQ201 Te ppm 0.2
			AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201		
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		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		
1896911	Soil	53	0.55	103	0.016	<1	1.87	0.014	0.03	<0.1	0.06	4.6	<0.1	0.08	4	1.9		
1896912	Soil	35	0.36	73	0.006	<1	1.48	0.014	0.04	<0.1	0.05	3.1	<0.1	0.08	5	2.3		
1896913	Soil	30	0.29	67	0.028	2	1.21	0.007	0.04	0.2	0.05	1.8	<0.1	0.05	5	0.6		
1896914	Soil	34	0.61	67	0.063	<1	1.96	0.006	0.04	0.2	0.03	2.4	0.1	<0.05	4	<0.5		
1896915	Soil	22	0.75	96	0.093	<1	2.17	0.009	0.08	0.2	0.05	3.7	0.1	<0.05	6	0.6		
1896916	Soil	38	0.81	65	0.075	<1	1.69	0.009	0.05	0.3	0.05	4.0	0.1	<0.05	5	<0.5		
1896917	Soil	30	0.95	88	0.047	2	2.03	0.010	0.05	0.2	0.06	3.7	0.1	0.06	6	<0.5		
1896919	Soil	25	0.28	152	0.140	1	0.63	0.069	0.06	0.2	0.12	2.1	<0.1	0.35	3	7.5		
1896920	Soil	36	0.62	57	0.061	<1	1.48	0.007	0.02	<0.1	0.06	3.6	<0.1	<0.05	3	0.9		
1896921	Soil	18	0.57	327	0.057	1	1.63	0.007	0.05	0.3	0.05	2.8	0.1	<0.05	5	<0.5		
1896922	Soil	93	1.51	55	0.072	<1	2.23	0.004	0.02	<0.1	0.01	6.3	<0.1	<0.05	5	<0.5		
1896923	Soil	18	0.58	75	0.002	<1	0.91	0.035	0.06	<0.1	0.10	1.4	<0.1	0.32	3	3.1		
1896924	Soil	25	0.48	104	0.032	1	1.31	0.005	0.04	0.2	0.05	2.4	0.1	<0.05	4	<0.5		
1896925	Soil	13	0.07	59	0.007	<1	0.40	0.002	0.01	0.6	0.01	1.2	0.1	<0.05	2	<0.5		
1896926	Soil	12	0.12	44	0.016	<1	0.49	0.003	0.03	0.1	0.01	1.4	0.1	<0.05	2	<0.5		
1896927	Soil	12	0.13	43	0.019	<1	0.57	0.004	0.03	0.3	0.03	1.7	<0.1	<0.05	2	<0.5		
1896928	Soil	18	0.23	74	0.034	1	1.02	0.004	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5		
1896929	Soil	19	0.24	69	0.034	2	0.97	0.005	0.04	0.2	0.04	2.5	<0.1	<0.05	3	<0.5		
1896930	Soil	17	0.20	55	0.028	<1	0.77	0.004	0.03	0.2	0.03	2.1	<0.1	<0.05	3	<0.5		
1896931	Soil	17	0.24	62	0.038	2	0.87	0.004	0.04	0.2	0.03	2.5	<0.1	<0.05	3	<0.5		
1896932	Soil	11	0.09	43	0.013	1	0.51	0.002	0.02	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5		
1896933	Soil	19	0.19	53	0.031	<1	0.79	0.003	0.03	0.1	0.03	2.4	<0.1	<0.05	2	<0.5		
1896934	Soil	24	0.30	86	0.047	<1	1.06	0.003	0.03	0.1	0.03	3.2	<0.1	<0.05	3	<0.5		
1896935	Soil	28	0.29	52	0.048	<1	0.98	0.003	0.03	<0.1	0.03	2.7	<0.1	<0.05	3	<0.5		
1896936	Soil	32	0.32	66	0.031	<1	1.14	0.005	0.04	<0.1	0.04	2.7	0.1	<0.05	3	<0.5		
1896937	Soil	24	0.30	79	0.049	<1	0.99	0.004	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5		
1896938	Soil	30	0.30	67	0.033	<1	0.96	0.004	0.03	0.1	0.03	2.3	<0.1	<0.05	3	<0.5		
1896939	Soil	32	0.37	65	0.050	<1	1.05	0.004	0.03	0.1	0.04	2.1	<0.1	<0.05	3	<0.5		
1896940	Soil	45	0.61	125	0.041	<1	1.74	0.006	0.05	0.2	0.04	3.6	0.1	<0.05	5	<0.5		
1896941	Soil	28	0.37	83	0.030	<1	1.35	0.005	0.04	0.2	0.04	2.1	0.1	<0.05	4	<0.5		



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896942	Soil	0.9	30.6	9.4	64	0.1	18.9	7.3	221	2.13	8.9	2.6	3.9	12	0.2	0.8	0.2	43	0.14	0.061	19
1896943	Soil	0.9	31.9	11.9	53	0.2	19.6	7.7	357	2.03	9.0	1.6	3.4	11	0.2	1.4	0.1	36	0.11	0.042	16
1896944	Soil	1.1	78.7	14.5	79	<0.1	34.7	13.2	911	2.67	5.2	<0.5	5.1	7	<0.1	0.6	0.2	31	0.08	0.040	21
1896945	Soil	1.3	57.2	11.7	66	<0.1	25.8	14.0	826	2.47	8.0	0.7	4.1	8	0.2	0.9	0.2	33	0.06	0.037	15
1896946	Soil	1.7	20.5	11.1	50	1.0	6.5	1.7	94	2.89	46.8	6.8	6.1	47	<0.1	17.3	0.2	12	0.01	0.102	53
1896947	Soil	2.6	140.6	12.7	61	0.1	29.5	16.5	956	2.83	27.2	5.3	5.2	16	0.1	11.6	0.2	18	0.07	0.088	20
1896948	Soil	1.8	81.7	10.9	80	0.1	34.0	12.2	1109	2.35	6.6	14.1	2.0	10	0.2	1.8	0.3	22	0.06	0.058	17
1896949	Soil	1.8	27.3	10.1	50	0.1	17.1	6.5	645	1.72	13.4	<0.5	0.2	10	0.2	1.2	0.2	28	0.06	0.068	14
1896950	Soil	1.6	22.0	9.1	47	<0.1	16.4	5.1	197	1.92	10.5	1.1	1.6	9	0.1	0.6	0.2	30	0.15	0.060	19
1896951	Soil	1.8	26.7	12.4	75	0.2	25.2	8.9	320	2.60	8.6	1.4	1.6	10	0.3	0.8	0.2	37	0.19	0.110	22
1896952	Soil	1.1	95.5	9.0	65	<0.1	24.6	10.6	305	2.92	8.9	<0.5	4.2	12	0.2	0.7	0.2	53	0.17	0.062	17
1896953	Soil	1.2	81.4	8.8	63	<0.1	20.2	10.8	303	2.78	10.9	3.3	1.6	12	0.1	0.7	0.2	59	0.16	0.072	15
1896954	Soil	1.1	93.5	9.3	65	0.1	26.9	12.4	338	3.26	13.5	3.0	0.9	18	0.2	0.6	0.2	64	0.32	0.098	14
1896955	Soil	1.1	48.5	11.5	57	<0.1	21.8	9.2	263	2.68	9.8	3.1	4.5	11	0.1	0.8	0.2	47	0.10	0.047	20
1896956	Soil	1.1	31.6	17.6	58	0.1	19.6	8.5	276	2.62	15.7	2.3	2.5	10	0.2	0.7	0.2	45	0.13	0.070	18
1896957	Soil	1.6	34.8	16.3	64	0.1	32.6	13.0	338	3.03	13.5	<0.5	6.9	13	0.3	1.0	0.2	40	0.15	0.070	23
1896958	Soil	9.7	78.3	13.2	251	0.1	53.1	19.1	563	3.63	3.2	1.8	7.8	9	1.8	2.6	0.2	5	0.20	0.155	35
1896959	Soil	12.2	33.1	13.2	169	0.3	57.4	10.8	473	2.26	19.8	6.2	6.7	13	3.3	3.5	0.2	7	0.31	0.173	20
1896960	Soil	1.7	86.6	23.4	155	0.9	47.2	12.5	235	2.58	12.7	8.5	4.2	15	0.7	1.2	0.3	34	0.21	0.103	17
1896961	Soil	3.5	69.0	9.4	100	<0.1	43.2	14.1	518	3.38	33.1	5.1	6.5	13	0.6	1.3	0.5	45	0.19	0.106	18
1896962	Soil	3.8	52.5	9.3	59	0.3	76.7	28.1	557	5.42	47.9	1.3	13.5	9	0.3	2.9	0.6	10	0.23	0.126	44
1896963	Soil	4.1	67.0	8.9	89	0.1	43.8	13.9	486	3.43	40.8	3.9	7.0	16	0.5	1.5	0.5	40	0.24	0.103	24
1896964	Soil	2.9	58.6	8.7	85	<0.1	39.2	16.4	542	3.44	33.6	3.1	5.6	15	0.5	1.2	0.5	39	0.21	0.118	19
1896965	Soil	3.6	29.9	10.0	61	0.5	28.0	9.1	316	3.00	25.1	1.6	0.4	12	0.3	0.7	0.4	44	0.18	0.106	15
1896966	Soil	2.3	72.7	11.2	85	0.2	35.4	12.4	509	2.99	24.4	4.8	4.4	23	0.3	1.1	0.4	46	0.27	0.085	19
1896967	Soil	2.5	39.8	28.9	142	1.0	32.9	18.4	2025	3.35	117.2	7.5	1.3	23	0.4	1.4	0.3	39	0.38	0.126	16
1896968	Soil	0.6	14.6	10.1	40	0.3	13.5	3.3	82	1.34	6.2	2.2	0.2	16	<0.1	0.3	0.2	30	0.19	0.088	12
1896969	Soil	1.0	15.1	11.3	74	0.4	16.7	7.7	405	1.94	10.7	<0.5	0.9	14	0.2	1.2	0.2	39	0.15	0.056	13
1896970	Soil	1.3	19.5	15.6	98	0.4	20.4	8.7	421	2.29	11.7	2.2	1.2	14	0.4	1.6	0.2	45	0.14	0.068	14
1896971	Soil	1.2	16.7	12.6	83	0.4	16.2	6.7	353	2.04	9.7	3.6	1.3	12	0.5	1.5	0.2	39	0.14	0.063	14



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1896942	Soil	25	0.39	84	0.046	2	1.40	0.004	0.04	0.2	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
1896943	Soil	23	0.39	123	0.041	<1	1.19	0.004	0.04	0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1896944	Soil	27	0.79	94	0.025	<1	1.57	0.002	0.03	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1896945	Soil	26	0.54	92	0.021	<1	1.58	0.004	0.05	0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1896946	Soil	11	0.05	63	0.003	<1	0.32	0.002	0.04	<0.1	0.08	0.9	0.2	<0.05	2	0.6	<0.2
1896947	Soil	17	0.32	73	0.013	<1	0.75	0.002	0.02	<0.1	0.04	1.3	<0.1	<0.05	2	<0.5	<0.2
1896948	Soil	20	0.52	194	0.009	<1	1.07	0.003	0.02	<0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1896949	Soil	16	0.28	124	0.005	<1	0.82	0.005	0.03	<0.1	0.04	0.4	<0.1	<0.05	3	<0.5	<0.2
1896950	Soil	20	0.38	76	0.020	<1	1.08	0.003	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1896951	Soil	27	0.65	103	0.018	<1	1.44	0.004	0.05	0.1	0.05	2.2	<0.1	<0.05	4	<0.5	<0.2
1896952	Soil	30	0.63	146	0.059	<1	1.71	0.005	0.08	0.2	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1896953	Soil	28	0.57	163	0.041	<1	1.73	0.006	0.07	0.1	0.05	3.2	0.1	<0.05	5	<0.5	<0.2
1896954	Soil	32	0.71	171	0.034	3	1.63	0.008	0.04	0.2	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
1896955	Soil	28	0.51	184	0.033	2	1.69	0.005	0.05	0.2	0.06	4.1	0.1	<0.05	5	<0.5	<0.2
1896956	Soil	30	0.51	114	0.024	3	1.70	0.005	0.05	0.2	0.05	3.1	0.2	<0.05	5	0.5	<0.2
1896957	Soil	28	0.56	173	0.025	<1	1.86	0.005	0.05	0.2	0.04	4.4	0.1	<0.05	5	0.5	<0.2
1896958	Soil	5	0.06	59	0.003	1	0.36	0.003	0.02	0.1	0.10	1.9	<0.1	<0.05	<1	1.3	<0.2
1896959	Soil	6	0.08	156	0.004	<1	0.28	0.002	0.03	<0.1	0.05	1.6	<0.1	<0.05	<1	2.1	<0.2
1896960	Soil	27	0.61	80	0.033	2	1.49	0.006	0.06	0.2	0.04	2.7	<0.1	<0.05	4	1.3	<0.2
1896961	Soil	28	0.62	201	0.035	1	1.61	0.007	0.09	0.4	0.04	4.2	0.2	<0.05	4	1.0	<0.2
1896962	Soil	11	0.28	112	0.006	1	0.65	0.006	0.03	<0.1	0.02	3.6	<0.1	<0.05	2	0.8	<0.2
1896963	Soil	30	0.66	261	0.026	3	1.57	0.008	0.06	0.3	0.06	4.2	0.1	<0.05	4	0.7	<0.2
1896964	Soil	31	0.66	131	0.028	1	1.72	0.008	0.06	0.3	0.03	3.1	0.1	<0.05	4	0.9	<0.2
1896965	Soil	27	0.41	128	0.011	2	1.51	0.007	0.05	0.2	0.04	0.9	0.1	<0.05	5	0.5	<0.2
1896966	Soil	28	0.56	421	0.035	2	1.56	0.010	0.08	0.3	0.06	4.9	0.2	<0.05	4	0.6	<0.2
1896967	Soil	30	0.48	315	0.013	2	1.81	0.008	0.05	0.2	0.08	2.4	0.1	<0.05	4	2.2	<0.2
1896968	Soil	23	0.28	163	0.012	2	1.39	0.009	0.04	0.1	0.07	0.6	0.1	<0.05	4	1.1	<0.2
1896969	Soil	22	0.38	205	0.024	2	1.32	0.006	0.04	0.2	0.03	2.0	0.1	<0.05	4	0.9	<0.2
1896970	Soil	27	0.47	220	0.026	2	1.67	0.006	0.05	0.3	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
1896971	Soil	23	0.38	166	0.025	2	1.35	0.006	0.04	0.2	0.04	2.3	0.1	<0.05	4	<0.5	<0.2



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Project: Keno Silver
Report Date: November 23, 2019

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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1896972	Soil	1.2	16.4	17.3	85	0.5	17.8	7.0	368	2.26	10.9	0.9	1.3	13	0.3	2.1	0.2	44	0.13	0.062	14
1896973	Soil	1.1	17.4	19.9	81	0.5	17.9	7.3	308	2.14	10.8	1.6	1.8	14	0.3	2.3	0.2	43	0.16	0.074	15
1896974	Soil	1.7	16.6	24.2	77	0.5	17.3	5.7	168	2.34	16.7	2.8	1.4	13	0.3	2.4	0.2	48	0.14	0.069	15
1896975	Soil	1.9	16.9	18.9	79	0.3	16.7	5.8	251	2.36	14.9	1.6	0.8	12	0.2	1.7	0.2	46	0.11	0.069	13
1896976	Soil	2.1	22.4	22.6	87	0.3	18.4	7.3	285	2.91	24.2	1.6	1.1	12	0.2	2.3	0.2	48	0.12	0.073	15
1896977	Soil	1.7	27.9	19.6	84	0.1	19.9	7.2	344	2.98	22.9	1.5	1.1	12	0.2	1.6	0.3	52	0.10	0.068	15
1896978	Soil	1.7	38.2	22.7	97	0.2	23.3	9.1	395	3.18	28.3	1.7	1.1	13	0.4	1.8	0.3	56	0.10	0.080	16
1896979	Soil	1.6	48.0	24.4	103	0.3	27.5	14.7	837	3.25	28.9	2.3	1.4	14	0.3	2.2	0.3	51	0.11	0.083	17
1896980	Soil	1.5	47.0	23.0	96	0.4	23.4	11.9	623	3.02	29.5	5.5	1.4	12	0.5	2.0	0.2	49	0.10	0.077	16
1896981	Soil	1.5	72.1	11.7	85	0.2	32.7	12.9	612	3.07	25.1	5.4	3.0	15	0.2	1.2	0.3	45	0.15	0.086	15
1896982	Soil	1.1	57.2	8.1	80	0.2	31.2	9.9	446	2.55	27.2	5.6	4.6	18	0.4	1.3	0.2	38	0.19	0.085	17
1896983	Soil	0.9	39.5	8.4	70	0.2	27.9	9.2	297	2.31	11.2	6.4	5.1	16	0.2	0.8	0.1	37	0.21	0.092	22
1896984	Soil	1.4	41.2	12.2	72	0.2	25.1	9.0	409	3.01	17.8	2.6	1.7	14	0.2	1.2	0.3	50	0.11	0.086	19
1896985	Soil	1.6	52.4	11.4	83	0.2	29.5	10.6	694	2.64	14.9	2.4	3.3	15	0.4	1.0	0.2	36	0.13	0.073	17
1896986	Soil	1.4	44.0	13.3	73	0.3	24.6	7.4	321	2.56	17.8	5.9	2.7	14	0.3	1.3	0.2	33	0.11	0.079	21
1896987	Soil	1.5	55.9	13.5	77	0.2	28.0	10.9	682	2.98	16.7	6.4	2.1	12	0.3	1.1	0.3	48	0.12	0.083	19
1896988	Soil	0.9	74.1	9.6	89	0.2	40.5	17.0	512	2.83	13.5	2.1	3.7	11	0.3	0.9	0.1	41	0.15	0.084	19
1896989	Soil	1.0	25.6	7.6	63	0.2	20.1	6.1	253	2.02	13.2	10.7	5.2	13	0.3	1.3	0.2	30	0.14	0.084	21
1896990	Soil	0.6	24.0	5.7	52	0.2	21.1	10.7	318	2.25	15.0	2.4	3.8	8	0.2	1.3	0.2	11	0.02	0.068	14
1896991	Soil	0.9	31.1	8.5	57	0.2	20.3	9.0	320	2.16	14.1	1.7	5.0	9	0.2	1.4	0.2	35	0.07	0.065	20
1896992	Soil	1.0	17.7	9.4	55	0.1	14.5	4.8	201	1.64	13.0	1.1	3.0	8	0.2	1.1	0.1	25	0.07	0.060	13
1896993	Soil	0.9	17.3	9.0	55	0.2	13.5	5.4	196	1.69	12.4	3.0	2.0	8	0.2	1.2	0.1	23	0.06	0.065	13
1896994	Soil	1.1	23.2	17.1	75	<0.1	20.4	7.2	331	2.13	14.3	45.8	2.8	12	0.2	1.1	0.1	33	0.12	0.068	14



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Project: Keno Silver
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CERTIFICATE OF ANALYSIS

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	Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			MDL	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
1896972	Soil	25	0.43	166	0.028	2	1.48	0.007	0.04	0.2	0.04	2.4	0.1	<0.05	4	<0.5	<0.2	
1896973	Soil	25	0.41	151	0.029	2	1.39	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	4	1.0	<0.2	
1896974	Soil	26	0.43	139	0.026	3	1.45	0.006	0.04	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2	
1896975	Soil	25	0.41	133	0.024	2	1.43	0.006	0.04	0.2	0.04	1.9	0.1	<0.05	5	1.0	<0.2	
1896976	Soil	27	0.41	138	0.026	2	1.47	0.006	0.04	0.3	0.03	2.0	0.1	<0.05	5	<0.5	<0.2	
1896977	Soil	29	0.43	123	0.028	2	1.54	0.006	0.05	0.2	0.04	2.0	0.1	<0.05	5	<0.5	<0.2	
1896978	Soil	34	0.50	164	0.029	2	1.75	0.006	0.06	0.2	0.05	2.3	0.1	<0.05	6	<0.5	<0.2	
1896979	Soil	33	0.51	159	0.030	2	1.72	0.006	0.05	0.2	0.05	2.5	0.1	<0.05	5	<0.5	<0.2	
1896980	Soil	31	0.47	127	0.028	2	1.71	0.006	0.04	0.3	0.06	2.2	0.1	<0.05	5	<0.5	<0.2	
1896981	Soil	33	0.52	134	0.042	1	1.53	0.005	0.04	0.2	0.05	2.9	<0.1	<0.05	4	0.6	<0.2	
1896982	Soil	28	0.42	124	0.043	1	1.13	0.005	0.04	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2	
1896983	Soil	24	0.41	90	0.044	2	1.19	0.006	0.05	0.2	0.04	3.0	<0.1	<0.05	3	0.6	<0.2	
1896984	Soil	31	0.51	144	0.029	2	1.68	0.007	0.05	0.2	0.04	2.6	0.1	<0.05	5	1.4	<0.2	
1896985	Soil	23	0.44	154	0.035	1	1.23	0.005	0.04	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2	
1896986	Soil	22	0.30	78	0.024	2	1.11	0.005	0.03	0.2	0.05	2.2	<0.1	<0.05	3	1.2	<0.2	
1896987	Soil	34	0.48	92	0.033	2	1.51	0.005	0.04	0.2	0.06	2.5	<0.1	<0.05	4	1.0	<0.2	
1896988	Soil	39	0.49	72	0.044	<1	1.35	0.004	0.03	<0.1	0.03	2.8	<0.1	<0.05	3	0.5	<0.2	
1896989	Soil	17	0.27	61	0.035	2	0.92	0.005	0.04	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2	
1896990	Soil	9	0.08	37	0.010	<1	0.50	0.002	0.02	<0.1	0.03	1.6	0.1	<0.05	1	<0.5	<0.2	
1896991	Soil	18	0.32	63	0.030	<1	0.93	0.003	0.03	<0.1	0.02	3.7	<0.1	<0.05	3	0.7	<0.2	
1896992	Soil	14	0.19	48	0.027	1	0.77	0.004	0.03	0.2	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2	
1896993	Soil	13	0.16	42	0.021	<1	0.71	0.003	0.03	0.1	0.03	1.8	0.1	<0.05	2	<0.5	<0.2	
1896994	Soil	19	0.28	59	0.028	2	1.01	0.005	0.04	0.1	0.03	2.1	<0.1	<0.05	3	0.6	<0.2	



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Project:

Keno Silver

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QUALITY CONTROL REPORT

WHI19000752.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1902031	Soil	1.3	58.3	74.2	97	<0.1	34.6	24.0	766	4.00	18.8	1.5	6.0	14	<0.1	0.7	0.4	40	0.19	0.071	25
REP 1902031	QC	1.3	60.4	76.2	97	<0.1	35.4	23.9	776	3.96	18.2	1.4	5.9	13	<0.1	0.7	0.4	41	0.18	0.070	26
1902076	Soil	0.7	37.8	26.0	92	0.2	82.0	29.9	1670	4.56	60.2	3.6	2.6	30	0.5	2.8	0.1	64	0.88	0.069	22
REP 1902076	QC	0.9	40.9	26.3	84	0.2	85.3	31.6	1602	4.54	62.0	3.2	2.4	31	0.5	2.8	0.1	66	0.82	0.064	22
1902130	Soil	0.9	23.9	10.6	57	<0.1	32.0	14.9	440	2.78	11.9	3.5	1.5	19	<0.1	0.7	0.2	46	0.24	0.085	18
REP 1902130	QC	0.8	23.9	10.7	59	<0.1	31.7	14.7	444	2.76	12.3	6.5	1.5	20	0.2	0.7	0.1	45	0.24	0.088	18
1896843	Soil	1.5	29.2	14.8	56	0.3	16.7	5.4	180	2.63	32.7	2.2	0.9	11	0.2	1.3	0.2	50	0.15	0.064	12
REP 1896843	QC	1.2	26.1	15.1	64	0.3	17.1	6.0	185	2.61	34.1	3.7	0.9	11	0.2	1.1	0.2	57	0.14	0.066	12
1896879	Soil	0.9	20.2	8.0	47	0.4	30.4	7.1	318	2.03	398.1	21.1	6.1	10	0.3	2.8	0.1	10	0.19	0.096	15
REP 1896879	QC	0.8	22.3	7.6	46	0.4	29.2	6.3	342	1.85	379.6	16.9	5.8	9	0.2	2.7	<0.1	7	0.17	0.093	13
1896915	Soil	1.6	583.5	6.7	83	0.1	31.5	17.4	530	4.15	9.4	3.7	2.5	12	0.2	0.5	0.1	98	0.21	0.081	11
REP 1896915	QC	1.6	573.7	6.9	89	0.1	35.3	18.3	507	4.16	9.6	10.0	2.6	13	0.2	0.7	0.1	104	0.24	0.091	12
1896952	Soil	1.1	95.5	9.0	65	<0.1	24.6	10.6	305	2.92	8.9	<0.5	4.2	12	0.2	0.7	0.2	53	0.17	0.062	17
REP 1896952	QC	1.1	92.9	8.8	63	<0.1	23.1	10.3	303	2.86	8.7	0.7	4.1	11	0.1	0.7	0.1	53	0.17	0.059	16
1896988	Soil	0.9	74.1	9.6	89	0.2	40.5	17.0	512	2.83	13.5	2.1	3.7	11	0.3	0.9	0.1	41	0.15	0.084	19
REP 1896988	QC	1.1	74.3	9.8	88	0.2	40.3	16.8	498	2.87	13.4	1.4	3.9	11	0.3	0.9	0.1	40	0.14	0.085	19
Reference Materials																					
STD BVGEO01	Standard	10.6	4630.2	181.2	1613	2.3	159.4	25.5	722	3.67	108.6	201.6	14.8	48	5.6	3.2	20.8	71	1.27	0.069	24
STD BVGEO01	Standard	9.9	4128.2	179.6	1658	2.5	158.4	22.6	705	3.65	118.5	218.2	14.3	57	5.8	3.7	25.8	70	1.27	0.072	26
STD BVGEO01	Standard	10.0	4635.6	189.9	1829	2.5	175.9	22.5	637	3.46	116.1	229.2	16.9	55	6.0	3.6	21.7	77	1.24	0.073	25
STD BVGEO01	Standard	10.2	4646.1	185.1	1656	2.4	151.7	24.1	743	3.75	116.3	205.3	16.3	49	6.3	3.3	21.9	80	1.33	0.064	25
STD DS11	Standard	14.3	143.7	132.0	343	1.7	74.5	12.7	1054	3.23	42.9	74.7	7.5	69	2.3	8.7	12.0	48	1.05	0.070	19
STD DS11	Standard	14.6	149.5	139.7	347	1.7	80.9	13.7	1070	3.31	43.2	75.0	7.9	71	2.2	8.1	11.8	52	1.11	0.071	19
STD DS11	Standard	14.6	140.8	133.1	337	1.7	76.4	13.3	1029	3.19	43.2	71.4	7.9	71	2.3	8.3	12.0	48	1.05	0.073	19
STD DS11	Standard	15.2	147.7	129.7	329	1.7	76.1	13.8	1124	2.87	42.6	98.0	7.1	59	2.0	7.4	10.2	49	0.99	0.071	17
STD DS11	Standard	14.0	146.4	125.7	336	1.7	75.6	12.6	1008	3.08	41.0	66.5	7.1	65	2.4	9.1	11.3	51	1.02	0.068	18
STD OREAS262	Standard	0.7	108.9	54.8	150	0.5	60.5	25.0	533	3.23	35.4	57.5	8.7	36	0.6	4.6	1.1	22	2.84	0.039	17
STD OREAS262	Standard	0.7	113.2	56.3	151	0.5	63.7	27.5	562	3.39	36.1	57.9	9.6	37	0.7	4.9	1.1	23	3.10	0.039	18



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1902031	Soil	33	0.64	56	0.046	3	1.91	0.005	0.05	0.1	0.02	2.8	<0.1	<0.05	6	1.2	<0.2
REP 1902031	QC	34	0.64	58	0.047	3	1.95	0.005	0.05	0.1	0.02	2.7	<0.1	<0.05	5	0.6	<0.2
1902076	Soil	49	0.57	184	0.027	<1	2.12	0.009	0.04	0.1	0.06	9.6	0.1	<0.05	5	0.6	<0.2
REP 1902076	QC	53	0.49	197	0.028	2	1.83	0.009	0.05	0.1	0.07	9.6	<0.1	<0.05	5	<0.5	<0.2
1902130	Soil	32	0.48	104	0.040	2	1.67	0.007	0.04	0.2	0.06	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1902130	QC	32	0.50	108	0.040	1	1.76	0.007	0.04	0.2	0.07	2.8	<0.1	<0.05	4	0.7	<0.2
1896843	Soil	28	0.42	118	0.023	<1	1.46	0.008	0.04	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
REP 1896843	QC	26	0.39	111	0.023	<1	1.48	0.007	0.04	0.2	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
1896879	Soil	8	0.06	33	0.001	<1	0.41	0.004	0.02	<0.1	0.02	1.4	0.1	<0.05	1	0.8	<0.2
REP 1896879	QC	7	0.05	30	0.001	<1	0.38	0.004	0.02	<0.1	0.02	1.2	<0.1	<0.05	<1	<0.5	<0.2
1896915	Soil	22	0.75	96	0.093	<1	2.17	0.009	0.08	0.2	0.05	3.7	0.1	<0.05	6	0.6	<0.2
REP 1896915	QC	23	0.87	100	0.097	2	2.23	0.009	0.09	0.1	0.07	3.7	0.1	<0.05	6	0.7	<0.2
1896952	Soil	30	0.63	146	0.059	<1	1.71	0.005	0.08	0.2	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
REP 1896952	QC	28	0.59	149	0.057	<1	1.65	0.005	0.08	0.2	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
1896988	Soil	39	0.49	72	0.044	<1	1.35	0.004	0.03	<0.1	0.03	2.8	<0.1	<0.05	3	0.5	<0.2
REP 1896988	QC	39	0.50	71	0.045	2	1.36	0.004	0.03	<0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	187	1.17	283	0.233	3	2.13	0.184	0.88	4.7	0.09	5.8	0.6	0.64	7	4.5	1.0
STD BVGEO01	Standard	170	1.31	285	0.214	2	2.26	0.195	0.86	5.5	0.10	5.9	0.6	0.62	7	5.0	1.1
STD BVGEO01	Standard	194	1.38	290	0.240	2	2.26	0.199	0.96	5.2	0.08	6.3	0.7	0.64	7	5.0	1.1
STD BVGEO01	Standard	175	1.40	290	0.244	1	2.11	0.208	0.97	5.7	0.10	5.6	0.6	0.62	7	4.8	1.3
STD DS11	Standard	57	0.84	380	0.091	6	1.17	0.074	0.40	3.0	0.30	3.4	5.1	0.23	5	2.3	5.0
STD DS11	Standard	60	0.85	378	0.094	8	1.19	0.071	0.42	3.3	0.27	3.5	5.1	0.23	5	2.2	4.7
STD DS11	Standard	58	0.87	386	0.088	7	1.19	0.078	0.40	3.0	0.24	3.4	5.1	0.24	5	2.1	5.2
STD DS11	Standard	58	0.80	361	0.080	10	1.18	0.063	0.44	2.7	0.29	3.1	4.6	0.24	5	2.1	4.1
STD DS11	Standard	59	0.83	358	0.089	7	1.13	0.069	0.37	3.1	0.27	3.0	4.6	0.27	5	1.8	4.7
STD OREAS262	Standard	42	1.17	248	0.003	5	1.38	0.070	0.31	0.2	0.17	3.4	0.5	0.24	4	0.8	0.3
STD OREAS262	Standard	44	1.15	258	0.003	5	1.39	0.067	0.32	0.2	0.17	3.6	0.6	0.22	4	<0.5	<0.2



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Report Date: November 23, 2019

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		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OREAS262	Standard	0.7	111.8	54.6	151	0.5	61.7	26.5	546	3.30	37.1	57.7	9.2	37	0.5	4.7	1.0	22	2.92	0.042	17
STD OREAS262	Standard	0.7	108.5	54.6	133	0.4	55.7	26.2	543	3.02	33.4	67.9	9.3	29	0.6	4.8	0.8	22	2.89	0.042	14
STD OREAS262	Standard	0.6	115.9	53.5	151	0.5	62.9	25.7	542	3.30	36.5	72.9	9.1	37	0.6	6.2	1.1	22	2.92	0.039	16
STD OREAS262	Standard	0.7	126.1	58.0	157	0.5	60.6	25.5	491	3.31	36.8	67.1	10.6	31	0.5	5.3	0.9	23	3.19	0.039	15
STD OREAS262	Standard	0.7	133.1	58.3	149	0.5	64.2	28.6	551	3.50	35.7	69.9	10.4	31	0.7	5.5	0.9	26	3.13	0.042	15
STD OREAS262	Standard	0.7	123.4	54.3	165	0.5	61.6	26.5	584	3.32	36.8	72.1	8.5	34	0.6	5.4	0.9	26	3.27	0.039	17
STD OREAS262	Standard	0.8	118.8	54.1	155	0.5	62.4	26.4	540	3.28	35.7	65.0	8.6	35	0.6	5.6	1.0	23	2.84	0.038	17
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727	25.9
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
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	<0.001	<1
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	<0.001	<1
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	<0.001	<1
BLK	Blank	<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	<2	0.02	<0.001	<1
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	<0.001	<1
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	<0.001	<1
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	<0.001	<1
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	<0.001	<1



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		AQ201 Cr ppm 1	AQ201 Mg % 0.01	AQ201 Ba ppm 1	AQ201 Ti % 0.001	AQ201 B ppm 1	AQ201 Al % 0.01	AQ201 Na % 0.001	AQ201 K % 0.01	AQ201 W ppm 0.1	AQ201 Hg ppm 0.01	AQ201 Sc ppm 0.1	AQ201 Tl ppm 0.1	AQ201 S % 0.05	AQ201 Ga ppm 1	AQ201 Se ppm 0.5	AQ201 Te ppm 0.2
STD OREAS262	Standard	43	1.19	260	0.002	4	1.38	0.071	0.30	0.2	0.16	3.4	0.5	0.21	4	<0.5	0.3
STD OREAS262	Standard	40	1.11	238	0.002	2	1.36	0.064	0.29	0.2	0.17	3.0	0.4	0.19	4	<0.5	0.2
STD OREAS262	Standard	42	1.19	255	0.003	4	1.31	0.067	0.29	0.2	0.20	3.4	0.5	0.21	4	<0.5	<0.2
STD OREAS262	Standard	42	1.14	247	0.002	5	1.24	0.072	0.35	0.3	0.16	3.2	0.5	0.21	4	<0.5	0.2
STD OREAS262	Standard	45	1.12	259	0.003	4	1.23	0.062	0.33	0.2	0.16	3.1	0.5	0.26	4	0.5	0.2
STD OREAS262	Standard	43	1.09	252	0.002	3	1.44	0.075	0.32	0.2	0.17	3.1	0.5	0.23	4	<0.5	0.3
STD OREAS262	Standard	46	1.14	248	0.002	3	1.31	0.064	0.30	0.2	0.17	3.2	0.4	0.26	4	<0.5	0.3
STD BVGEO01 Expected		187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected		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
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix III. Rock Descriptions & Data

Sample no	Sampler	location	Source	Easting	Northing	Description	Certificate	Weight (kg)
1895757	L Blackburn	Syd	Channel	481448	7137043	Multiphase milky quartz to perfect trans prism. Qz Vn. + 1% mal, 1% pyr, tr azu, tr gal; Syd vein	WHI19000531	1.33
1895758	L Blackburn	Nemo	Chip	484245	7135970	Qz + lim + tr gal vein chip across hanging wall 030/50, perfect prismatic xtals witihin	WHI19000531	2.04
1895759	L Blackburn	Nemo	Chip	484245	7135970	Footwall of Nemo Vn. face (1/3) basalt + 3% clot pyr, SiO2 Alt (1/3)	WHI19000531	1.47
1895760	L Blackburn	Dori	Chip	484245	7135970	Hanging wall of Dori Vn.- Qz + moderate Lim alt. No visible mineralization. 060/55	WHI19000531	1.14
1895761	L Blackburn	Blackhawk East	Grab	481944	7135821	Qz-Ank/FeCC (pervasive) BRX Vn. with lesser boiling texture. Galena is f-g to cubiform, steel galena 10-15%	WHI19000531	2.38

Sample #	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	Al (%)	As (ppm)	B (ppm)	Ba (ppm)	Bi (ppm)	Ca (%)	Cd (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)
1895757	0.0046	1	0.21054	0.00167	0.0065	0.06	1	1	13	-0.1	0.93	0.7	3.5	6	2105.4	0.73	-1
1895758	0.00025	0.05	0.00295	0.00066	0.0123	0.14	7.7	-1	24	-0.1	0.79	0.7	7.2	10	29.5	0.71	-1
1895759	0.004	0.2	0.0038	0.00039	0.0194	1.38	145.2	3	191	-0.1	10.92	1.5	43.2	152	38	6.51	4
1895760	0.00025	0.1	0.00273	0.0035	0.0111	0.14	12.5	-1	37	-0.1	3.4	0.7	8.8	13	27.3	1.08	-1
1895761	0.0395	177	0.00491	20	12.35	0.07	397.5	-1	34	2.6	0.13	860.1	2.6	4	49.1	1.31	2

Sample ID	K (%)	La (ppm)	Mg (%)	Mn (ppm)	Mo (ppm)	Na (%)	Ni (ppm)	P (%)	Pb (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Te (ppm)	Th (ppm)	Sr (ppm)	Ti (%)	V (ppm)	W (ppm)	Zn (ppm)	Hg (ppm)
1895757	0.01	-1	0.03	104	0.4	0.003	13.8	0.003	16.7	0.13	0.1	0.4	-0.5	-0.2	0.3	98	0.001	2	-0.1	65	0.04
1895758	0.03	3	0.09	271	2.4	0.01	31.3	0.05	6.6	-0.05	13.4	1.1	-0.5	-0.2	0.5	52	0.001	13	-0.1	123	0.04
1895759	0.36	36	2.34	1604	3	0.003	138.8	0.367	3.9	0.83	74.4	13.3	4.1	-0.2	3.1	569	0.004	83	-0.1	194	0.03
1895760	0.04	6	0.11	592	1.6	0.004	30.7	0.034	35	-0.05	17.9	3.3	-0.5	-0.2	0.5	146	0.001	8	-0.1	111	0.03
1895761	0.02	-1	0.06	455	0.6	0.002	4.4	0.023	10000	5.73	197.6	1	6.9	-0.2	0.9	59	0.002	5	-0.1	10000	50

Appendix IV. Soil Descriptions & Data

Sample #	Easting	Northing	Org_pct	Frag_pct	Depth_cm	Horizon	Colour	Quality	Certificate	Ag_Equiv	Au_Best_ppm	Ag_Best_ppm
1902001	481730	7137089	0	20	20 C		O BR	5	WHI19000752	2.1645	0.0017	0.2
1902002	481679	7137074	5	10	40 C		BR	4	WHI19000752	1.1726	0.0009	0.1
1902003	481634	7137054	10	15	40 C		BR	4	WHI19000752	1.8948	0.0017	0.05
1902004	481585	7137045	10	10	30 C		BR	4	WHI19000752	1.115	0.0014	0.05
1902005	481554	7137038	10	20	10 C		BR	4	WHI19000752	5.4203	0.0069	0.3
1902006	481531	7137033	5	15	40 C		Y O BR	4	WHI19000752	1.513	0.0034	0.05
1902007	481486	7137021	5	15	50 C		BR	4	WHI19000752	2.5664	0.0031	0.2
1902008	481436	7137020	65	50	30 C		BR	4	WHI19000752	1.3549	0.0009	0.2
1902009	481385	7137017	20	50	20 B		BR	1	WHI19000752	1.2089	0.0017	0.05
1902010	481354	7137008	0	20	20 C		O BR	4	WHI19000752	5.4043	0.0034	0.2
1902011	481337	7136997	5	20	30 C		BR	4	WHI19000752	1.5176	0.0074	0.05
1902012	481292	7136976	0	20	50 C		IBR	4	WHI19000752	2.3433	0.0087	0.05
1902013	481249	7136955	10	20	50 B/C		BR	3	WHI19000752	1.0356	0.0028	0.05
1902014	481191	7136933	0	30	40 C		Y BR	4	WHI19000752	1.8623	0.0032	0.05
1902015	481143	7136945	0	30	30 C		BR	1	WHI19000752	1.6697	0.0014	0.05
1902016	481099	7136956	0	30	40 C		Y BR	4	WHI19000752	1.9176	0.0017	0.05
1902017	481049	7136973	10	20	40 C		BR	4	WHI19000752	2.1933	0.0087	0.05
1902018	481001	7136988	5	20	10 B/C		BR	3	WHI19000752	2.0154	0.005	0.1
1902019	480956	7137009	0	30	30 C		BR	4	WHI19000752	1.6634	0.0024	0.05
1902020	480908	7137025	0	50	20 C		BR	4	WHI19000752	1.1976	0.0016	0.05
1902021	480865	7137053	0	40	30 C		BR	4	WHI19000752	1.5995	0.0064	0.05
1902022	480825	7137080	0	40	40 C		BR	4	WHI19000752	3.4078	0.0089	0.6
1902024	480812	7137178	5	15	20 B/C		BR	3	WHI19000752	1.1609	0.0023	0.05
1902025	480778	7137227	0	10	20 B/C		BR	3	WHI19000752	1.3768	0.0029	0.05
1902026	480764	7137263	5	40	20 B/C		BR	3	WHI19000752	2.2152	0.0019	0.05
1902027	480757	7137319	0	40	30 C		BR	4	WHI19000752	2.4042	0.0023	0.1
1902028	480758	7137371	0	30	30 C		BR	4	WHI19000752	1.5207	0.0032	0.05
1902029	480749	7137421	5	40	20 C		BR	4	WHI19000752	1.2173	0.0027	0.05
1902031	480725	7137516	5	40	40 C		BR	4	WHI19000752	1.7237	0.0015	0.05
1902032	480716	7137567	0	30	40 C		BR	4	WHI19000752	0.7561	0.0017	0.05
1902033	480680	7137600	0	40	50 C		IBR	4	WHI19000752	1.1408	0.002	0.05
1902034	480651	7137639	5	30	40 B/C		O BR	3	WHI19000752	1.211	0.003	0.05
1902044	480509	7137764	0	25	30 B/C		BR	3	WHI19000752	1.7607	0.0012	0.05
1902045	480482	7137795	0	5	40 B/C		BR	3	WHI19000752	1.8545	0.0023	0.05
1902046	480446	7137822	0	20	30 C		BR	4	WHI19000752	0.944	0.0024	0.05
1902047	480405	7137863	0	10	40 C		BR	4	WHI19000752	1.4846	0.0043	0.05
1902048	480385	7137902	0	10	40 C		BR	4	WHI19000752	1.2261	0.0021	0.05
1902049	480310	7137947	5	50	10 B/C		BR	3	WHI19000752	1.1134	0.0011	0.05
1902050	480264	7137945	15	40	20 B/C		BR	3	WHI19000752	1.2665	0.0017	0.05
1902051	480213	7137936	5	30	60 C		Y BR	4	WHI19000752	1.0545	0.0008	0.05
1902052	480169	7137918	0	15	50 C		BR	4	WHI19000752	0.9797	0.0011	0.05
1902053	480119	7137909	0	30	50 C		BR	4	WHI19000752	1.4282	0.0062	0.05
1902054	480069	7137911	0	10	40 C		BR	4	WHI19000752	0.947	0.0032	0.05
1902055	480020	7137892	10	20	10 B/C		BR	3	WHI19000752	1.1173	0.0026	0.05
1902056	479973	7137870	0	30	30 C		BR	4	WHI19000752	1.8842	0.0096	0.05
1902057	479875	7137849	0	20	20 C		BR	4	WHI19000752	4.4829	0.0298	0.1
1902058	479818	7137850	0	15	30 C		Y BR	4	WHI19000752	1.5746	0.0029	0.05
1902059	479767	7137847	10	40	20 C		Y BR	4	WHI19000752	2.3671	0.0026	0.05
1902060	479718	7137842	0	15	40 C		Y BR	4	WHI19000752	1.4806	0.002	0.05
1902061	479663	7137841	5	10	50 C		BR	4	WHI19000752	1.0789	0.0007	0.05

Sample ID	Mo_Best_pct	Cu_Best_pct	Pb_Best_pct	Zn_Best_pct	Pb_ppm	Zn_ppm	Mo_ppm	Cu_ppm	Ni_ppm	Co_ppm	Mn_ppm	As_ppm	Fe_pct
1902001	0.00029	0.00878	0.00111	0.0139	11.1	139	2.9	87.8	211.6	69.6	1711	11.7	9.71
1902002	0.00034	0.0043	0.00267	0.0069	26.7	69	3.4	43	21.6	9.3	185	13.5	2.68
1902003	0.00014	0.00895	0.00144	0.011	14.4	110	1.4	89.5	56.3	41.5	1410	11.8	5.57
1902004	0.00016	0.0033	0.00134	0.0094	13.4	94	1.6	33	88	24.5	1263	13.5	4.56
1902005	0.0005	0.02505	0.0066	0.0246	66	246	5	250.5	54.8	56.8	8838	22	5.84
1902006	0.00018	0.00328	0.00345	0.0121	34.5	121	1.8	32.8	161.8	39	2300	97.3	7.25
1902007	0.0001	0.01341	0.00074	0.0095	7.4	95	1	134.1	308	87.2	3334	77.7	7.25
1902008	0.00036	0.004	0.00153	0.0101	15.3	101	3.6	40	60.7	22.3	1157	18.1	4.63
1902009	0.00025	0.00381	0.0019	0.0091	19	91	2.5	38.1	84	33.4	2926	6.8	4.7
1902010	0.00025	0.0044	0.00649	0.0768	64.9	768	2.5	44	111.8	51	2803	99.7	9.1
1902011	0.00022	0.00336	0.00149	0.0079	14.9	79	2.2	33.6	45.3	24.8	1325	13.3	4.13
1902012	0.00016	0.00621	0.00734	0.01	73.4	100	1.6	62.1	31.6	19.6	541	12.8	3.36
1902013	0.00015	0.00254	0.00253	0.0065	25.3	65	1.5	25.4	19.5	8	371	7.8	3.23
1902014	0.00015	0.00581	0.00407	0.0128	40.7	128	1.5	58.1	22	16.1	659	9.9	7.18
1902015	0.00015	0.0053	0.00481	0.0123	48.1	123	1.5	53	35.2	26.1	832	13.3	4.05
1902016	0.00019	0.00403	0.00536	0.0188	53.6	188	1.9	40.3	67.7	24.2	1440	48	5.58
1902017	0.00013	0.00461	0.00884	0.0094	88.4	94	1.3	46.1	21.9	13.5	855	9.9	3.77
1902018	0.00029	0.00572	0.00634	0.0103	63.4	103	2.9	57.2	26.3	24.4	1079	72.5	3.97
1902019	0.00013	0.00565	0.00544	0.0094	54.4	94	1.3	56.5	51.1	21.3	1357	18.1	3.89
1902020	0.00019	0.00348	0.00322	0.0086	32.2	86	1.9	34.8	27.4	17.1	957	8.4	3.91
1902021	0.00013	0.00426	0.00343	0.0072	34.3	72	1.3	42.6	22.7	14.4	1085	12.6	4.33
1902022	0.00127	0.01017	0.002	0.0153	20	153	12.7	101.7	68	38.8	2374	22.2	4.18
1902024	0.00016	0.00308	0.00228	0.0086	22.8	86	1.6	30.8	22.8	10	469	11.9	3.17
1902025	0.00017	0.00439	0.00225	0.0089	22.5	89	1.7	43.9	36.6	18.7	1013	19.2	3.58
1902026	0.00016	0.00975	0.00511	0.0117	51.1	117	1.6	97.5	46.7	46.6	2331	31.4	3.96
1902027	0.00014	0.01064	0.00608	0.0109	60.8	109	1.4	106.4	41.4	48.5	1596	17.6	4.11
1902028	0.00011	0.00421	0.00446	0.0096	44.6	96	1.1	42.1	25.6	12.1	424	12.4	3.34
1902029	0.00015	0.00302	0.00376	0.0079	37.6	79	1.5	30.2	21.5	9.6	459	12.8	3.78
1902031	0.00013	0.00583	0.00742	0.0097	74.2	97	1.3	58.3	34.6	24	766	18.8	4
1902032	0.00016	0.00155	0.00215	0.0054	21.5	54	1.6	15.5	16.4	7.2	398	13.9	4.32
1902033	0.00011	0.00275	0.00329	0.0085	32.9	85	1.1	27.5	32.9	15	819	17.6	3.89
1902034	0.00014	0.00298	0.00391	0.0073	39.1	73	1.4	29.8	61.1	14.8	1248	26.6	5.38
1902044	0.00006	0.00955	0.00122	0.0081	12.2	81	0.6	95.5	110.4	45.6	1688	98.2	5.61
1902045	0.00015	0.00974	0.00114	0.0079	11.4	79	1.5	97.4	63.9	36.9	567	18.8	3.38
1902046	0.00008	0.003	0.00101	0.0057	10.1	57	0.8	30	161.4	24.7	480	10.9	2.7
1902047	0.00017	0.00466	0.00245	0.0081	24.5	81	1.7	46.6	66.7	26.1	652	20	3.54
1902048	0.00029	0.00417	0.00218	0.0078	21.8	78	2.9	41.7	96.6	35.9	847	50.3	3.81
1902049	0.00012	0.00247	0.00581	0.0077	58.1	77	1.2	24.7	27.7	14.5	911	7.8	4.97
1902050	0.00015	0.00366	0.00452	0.0082	45.2	82	1.5	36.6	26.3	13.9	838	3.1	4.79
1902051	0.00011	0.00306	0.00381	0.0075	38.1	75	1.1	30.6	25.5	13.2	948	4.8	3.86
1902052	0.00014	0.00252	0.00478	0.006	47.8	60	1.4	25.2	26.6	12	644	15.1	4.32
1902053	0.00009	0.00383	0.002	0.0065	20	65	0.9	38.3	54.1	19.9	1463	26.7	3.56
1902054	0.00011	0.00224	0.00108	0.0062	10.8	62	1.1	22.4	112.8	22.7	589	11.2	4.19
1902055	0.00011	0.00293	0.00146	0.0084	14.6	84	1.1	29.3	184.1	40.8	1257	12.2	5.72
1902056	0.00011	0.00417	0.00246	0.0089	24.6	89	1.1	41.7	85.2	24.1	782	17	4.03
1902057	0.00016	0.00847	0.00798	0.0127	79.8	127	1.6	84.7	41.7	32	1210	18.3	3.61
1902058	0.00012	0.00784	0.00089	0.0062	8.9	62	1.2	78.4	46.4	16.7	450	10.7	3.46
1902059	0.00014	0.01337	0.00119	0.009	11.9	90	1.4	133.7	48.8	39.9	1012	9.5	4.8
1902060	0.00014	0.00627	0.00113	0.009	11.3	90	1.4	62.7	32	17.7	593	10.8	3.53
1902061	0.00012	0.00384	0.00152	0.0084	15.2	84	1.2	38.4	37.5	18.6	808	11.3	3.59

Sample	Th_ppm	Cr_ppm	Al_pct	Cd_ppm	Ba_ppm	Bi_ppm	Ca_pct	Sb_ppm	Sr_ppm	V_ppm	P_pct	La_ppm	Mg_pct	Na_pct
1902001	4.1	266	3.15	0.4	663	-0.1	5.8	3.2	210	239	0.344	64	2.8	0.01
1902002	0.2	23	1.43	-0.1	78	0.4	0.05	0.9	33	44	0.095	28	0.16	0.009
1902003	0.6	86	2.97	0.2	240	0.2	0.58	0.7	51	110	0.113	11	1.36	0.006
1902004	0.8	115	2.56	0.3	195	0.2	0.4	1.7	31	96	0.095	10	1.54	0.007
1902005	2.3	45	2.55	3	936	0.3	0.91	1.4	69	85	0.089	54	1	0.008
1902006	1.8	203	2.67	0.5	306	0.3	0.74	8.7	97	91	0.308	47	1.36	0.006
1902007	0.7	204	2.89	0.6	226	-0.1	2.05	0.8	109	111	0.149	22	1.46	0.008
1902008	0.5	80	2.17	0.5	121	0.3	0.12	1.3	14	99	0.11	15	0.83	0.006
1902009	0.7	167	2.29	0.3	432	0.4	0.72	1	60	142	0.279	17	0.94	0.006
1902010	4.8	60	1.16	4.6	188	0.2	2.77	4.7	171	114	0.426	60	0.7	0.008
1902011	2.8	44	1.86	0.3	174	0.4	0.35	1.3	28	79	0.081	26	0.82	0.008
1902012	1.7	29	1.66	0.1	81	1	0.14	0.9	13	47	0.069	37	0.49	0.005
1902013	0.2	29	1.62	0.1	90	0.3	0.08	0.7	9	48	0.105	17	0.35	0.006
1902014	7.2	24	1.67	0.1	137	0.5	0.16	6.2	46	23	0.095	70	0.45	0.02
1902015	3.7	32	2.02	0.2	69	0.6	0.11	1	14	43	0.112	56	0.61	0.007
1902016	2.7	41	1.68	0.6	119	0.3	0.14	5	20	49	0.077	23	0.39	0.005
1902017	0.7	28	1.85	0.2	69	0.8	0.1	0.9	10	45	0.095	33	0.41	0.004
1902018	0.8	30	1.97	0.2	81	0.7	0.07	1.1	12	49	0.111	29	0.47	0.006
1902019	1.8	94	2.08	-0.1	75	0.5	0.15	0.9	16	62	0.084	28	0.89	0.004
1902020	1.6	33	1.84	0.2	122	0.5	0.15	0.7	22	31	0.131	23	0.49	0.005
1902021	0.5	33	1.76	0.1	89	0.4	0.1	0.6	11	52	0.09	22	0.4	0.004
1902022	3.8	46	1.89	1.7	231	0.2	0.37	3.8	34	78	0.106	33	0.74	0.01
1902024	1.8	33	1.86	0.3	81	0.3	0.15	0.8	13	58	0.068	19	0.52	0.007
1902025	3.5	44	2.29	0.2	108	0.3	0.16	0.8	14	61	0.058	22	0.75	0.007
1902026	4.7	39	2.42	0.2	85	0.4	0.14	1.4	13	50	0.073	35	0.67	0.005
1902027	6.5	37	2.24	0.1	87	0.6	0.21	0.8	19	50	0.113	32	0.77	0.008
1902028	2.9	32	1.51	0.1	58	0.3	0.23	0.8	17	48	0.086	23	0.5	0.005
1902029	1.4	33	1.79	0.2	60	0.3	0.11	0.9	11	56	0.073	19	0.47	0.005
1902031	6	33	1.91	-0.1	56	0.4	0.19	0.7	14	40	0.071	25	0.64	0.005
1902032	2.2	29	1.49	-0.1	64	0.4	0.07	0.8	8	74	0.045	17	0.31	0.004
1902033	5.5	33	1.81	0.2	59	0.3	0.08	0.5	6	36	0.045	16	0.56	0.004
1902034	2.7	112	2.13	0.2	58	0.5	0.07	0.6	6	54	0.095	13	0.8	0.004
1902044	1.7	154	2.04	0.3	135	-0.1	1.54	6.7	36	72	0.091	10	1.65	0.011
1902045	0.7	125	2.24	0.1	216	0.1	0.42	0.5	18	72	0.1	10	0.85	0.007
1902046	3.9	48	1.15	0.2	123	0.1	0.23	0.7	15	47	0.065	15	0.71	0.008
1902047	1.4	87	1.78	0.2	120	0.2	0.15	0.7	10	70	0.079	12	1.23	0.008
1902048	2.3	152	2.11	-0.1	112	0.2	0.15	0.7	11	85	0.051	13	1.29	0.005
1902049	5.6	32	1.8	-0.1	31	0.5	0.06	0.4	4	31	0.151	16	0.47	0.006
1902050	5.7	32	1.77	-0.1	27	0.5	0.05	0.3	4	28	0.119	13	0.53	0.006
1902051	3.3	31	1.71	0.1	34	0.5	0.06	0.5	5	33	0.091	14	0.48	0.004
1902052	2.6	32	1.53	-0.1	46	0.7	0.05	0.4	6	39	0.057	18	0.49	0.004
1902053	5.1	71	1.86	-0.1	95	0.2	0.11	0.6	9	44	0.045	19	0.82	0.005
1902054	2.2	277	1.56	0.2	113	0.1	0.15	0.8	11	65	0.047	11	1.33	0.006
1902055	1.4	559	1.78	0.2	131	0.2	0.17	1.6	12	86	0.088	11	2.09	0.007
1902056	4.1	174	1.72	0.2	90	0.2	0.28	2.1	18	68	0.116	30	0.93	0.007
1902057	8.3	48	1.74	0.2	78	0.3	0.36	7.5	19	59	0.123	27	0.83	0.01
1902058	3.1	74	1.46	0.1	94	0.1	0.4	1.2	15	70	0.065	13	0.88	0.006
1902059	1.8	41	2.52	0.2	174	0.2	0.55	1.2	19	95	0.189	15	0.99	0.012
1902060	1.7	33	1.87	0.1	145	0.2	0.26	0.9	17	96	0.065	13	0.68	0.005
1902061	1.4	86	2.16	0.2	264	0.2	0.38	1	23	89	0.069	12	0.85	0.007

Sample 2	B_ppm	Ti_pct	K_pct	W_ppm	Hg_ppm	S_pct	Sc_ppm	Tl_ppm	Ga_ppm	Se_ppm	Te_ppm
1902001	2	0.155	0.36	-0.1	1.15	-0.05	35	0.5	11	-0.5	-0.2
1902002	4	0.008	0.13	0.2	0.23	0.15	0.7	0.2	5	1.2	-0.2
1902003	9	0.072	0.06	0.2	0.07	0.09	4.2	0.2	11	0.8	-0.2
1902004	3	0.072	0.07	0.1	0.05	0.07	3.1	0.2	9	0.7	-0.2
1902005	2	0.029	0.05	0.2	0.3	-0.05	12.8	0.2	8	2.4	-0.2
1902006	4	0.018	0.09	0.1	0.29	-0.05	8	0.4	9	0.8	-0.2
1902007	4	0.02	0.07	-0.1	0.07	0.13	11.5	0.2	9	1.2	-0.2
1902008	4	0.045	0.09	-0.1	0.08	0.11	2.8	0.2	8	0.7	-0.2
1902009	2	0.075	0.07	0.1	0.08	0.26	4.9	0.2	10	0.7	-0.2
1902010	4	0.005	0.11	-0.1	0.26	-0.05	22.7	0.1	3	0.9	-0.2
1902011	3	0.062	0.06	0.3	0.05	-0.05	3.7	0.1	6	-0.5	-0.2
1902012	3	0.022	0.07	0.2	0.07	-0.05	2	0.2	5	0.9	-0.2
1902013	4	0.01	0.07	0.2	0.09	0.09	0.7	0.2	6	0.8	-0.2
1902014	2	0.006	0.09	-0.1	0.44	0.09	2.4	0.5	5	0.6	-0.2
1902015	3	0.019	0.09	0.1	0.15	-0.05	2.8	0.2	6	0.8	-0.2
1902016	2	0.006	0.07	-0.1	0.1	-0.05	4.8	0.2	4	0.7	-0.2
1902017	4	0.011	0.07	0.1	0.08	0.06	1	0.1	6	0.7	-0.2
1902018	3	0.014	0.07	0.1	0.08	0.07	1.2	0.2	7	0.5	-0.2
1902019	3	0.032	0.06	0.1	0.06	-0.05	2.4	0.1	6	1	-0.2
1902020	2	0.006	0.1	-0.1	0.05	0.07	1.3	0.1	6	0.6	-0.2
1902021	3	0.013	0.07	-0.1	0.09	-0.05	0.8	0.2	6	-0.5	-0.2
1902022	2	0.039	0.04	0.2	0.14	-0.05	6.4	0.5	5	1	-0.2
1902024	3	0.043	0.07	0.2	0.05	-0.05	2.8	0.2	6	0.8	-0.2
1902025	4	0.059	0.06	0.2	0.03	-0.05	3.7	0.1	6	0.8	-0.2
1902026	2	0.062	0.05	0.1	0.05	-0.05	3.4	0.1	6	0.6	-0.2
1902027	1	0.065	0.07	0.1	0.05	-0.05	4.2	0.1	7	1.2	-0.2
1902028	3	0.053	0.05	0.2	0.04	-0.05	2.3	-0.1	5	1	-0.2
1902029	3	0.03	0.05	0.2	0.06	-0.05	2	0.1	7	-0.5	-0.2
1902031	3	0.046	0.05	0.1	0.02	-0.05	2.8	-0.1	6	1.2	-0.2
1902032	3	0.041	0.05	0.2	0.04	-0.05	2.1	0.2	10	0.7	-0.2
1902033	1	0.022	0.04	-0.1	0.03	-0.05	2.3	-0.1	6	-0.5	-0.2
1902034	2	0.014	0.04	0.1	0.04	-0.05	3	0.1	11	-0.5	-0.2
1902044	3	0.008	0.06	-0.1	0.05	-0.05	30.6	0.1	5	-0.5	-0.2
1902045	1	0.058	0.04	0.1	0.04	-0.05	3.2	0.1	7	-0.5	-0.2
1902046	3	0.051	0.04	0.2	0.02	-0.05	2.7	-0.1	4	-0.5	-0.2
1902047	-1	0.051	0.04	0.2	0.05	-0.05	2.6	0.1	8	-0.5	-0.2
1902048	2	0.051	0.05	0.1	0.02	-0.05	4.4	0.1	8	-0.5	-0.2
1902049	-1	0.005	0.05	-0.1	0.04	-0.05	2	-0.1	7	-0.5	-0.2
1902050	-1	0.005	0.03	-0.1	0.05	-0.05	2.1	-0.1	8	-0.5	-0.2
1902051	-1	0.009	0.03	-0.1	0.03	-0.05	1.6	-0.1	7	-0.5	-0.2
1902052	-1	0.013	0.03	-0.1	0.02	-0.05	1.7	-0.1	8	-0.5	-0.2
1902053	2	0.039	0.03	0.1	0.03	-0.05	3.3	-0.1	6	-0.5	-0.2
1902054	-1	0.053	0.03	0.2	0.02	-0.05	2.8	-0.1	8	-0.5	-0.2
1902055	3	0.041	0.06	0.1	0.04	-0.05	4.9	0.1	8	-0.5	-0.2
1902056	2	0.06	0.05	0.3	0.06	-0.05	3.4	-0.1	6	-0.5	-0.2
1902057	4	0.08	0.05	0.4	0.12	-0.05	5.6	-0.1	5	-0.5	-0.2
1902058	9	0.11	0.04	0.2	0.06	-0.05	4.1	-0.1	6	-0.5	-0.2
1902059	18	0.113	0.05	-0.1	0.05	-0.05	6.1	0.1	10	0.6	-0.2
1902060	10	0.088	0.04	0.2	0.05	-0.05	3.5	0.1	8	-0.5	-0.2
1902061	3	0.055	0.05	0.1	0.04	-0.05	4.3	0.1	8	-0.5	-0.2

Sample #	Easting	Northing	Org_pct	Frag_pct	Depth_cm	Horizon	Colour	Quality	Certificate	Ag_Equiv	Au_Best_ppm	Ag_Best_ppm
1902062	479643	7137845	0	15	10 C		O BR	4	WHI19000752	0.3084	0.0015	0.05
1902063	479614	7137840	5	40	20 C		BR	4	WHI19000752	2.9063	0.0097	0.05
1902064	479581	7137878	0	50	40 C		BR	4	WHI19000752	2.8145	0.0049	0.05
1902065	479550	7137896	5	40	50 C		O BR	4	WHI19000752	2.1511	0.0052	0.05
1902066	479532	7137899	0	15	40 C		BR	4	WHI19000752	1.3602	0.00025	0.05
1902067	479482	7137918	5	25	10 C		O BR	4	WHI19000752	7.2692	0.0679	0.05
1902068	479495	7137937	10	15	20 B/C		BR	4	WHI19000752	1.6485	0.007	0.05
1902069	479395	7137929	5	20	10 C		R BR	4	WHI19000752	3.383	0.013	0.05
1902070	479346	7137919	5	5	50 C		BR	4	WHI19000752	1.0571	0.0006	0.05
1902071	483501	7135392	5	5	20 C		O BR	3	WHI19000752	1.2607	0.0007	0.05
1902072	483466	7135420	15	40	20 C		BR	3	WHI19000752	1.3735	0.0006	0.05
1902073	483434	7135462	2	40	10 C		O BR	4	WHI19000752	5.1906	0.0111	0.5
1902074	483386	7135508	15	10	20 C		O BR	4	WHI19000752	1.5911	0.0015	0.1
1902075	483349	7135523	5	10	50 C		BR	4	WHI19000752	1.0276	0.0009	0.1
1902076	483305	7135538	2	5	30 C		O BR	4	WHI19000752	1.5422	0.0036	0.2
1902077	483259	7135573	2	5	30 C		R BR	4	WHI19000752	0.7016	0.00025	0.05
1902078	483214	7135593	2	40	10 C		O	5	WHI19000752	1.3855	0.0073	0.05
1902079	483163	7135609	2	40	10 C		O	5	WHI19000752	1.431	0.0072	0.05
1902080	483120	7135630	2	5	10 C		O	5	WHI19000752	0.9267	0.0038	0.05
1902081	483082	7135662	20	20	10 B/C		BR	3	WHI19000752	2.7569	0.0151	0.1
1902082	483036	7135698	2	5	20 C		O BR	4	WHI19000752	1.2139	0.0062	0.05
1902101	478176	7137125	0	20	40 C		BR	4	WHI19000752	4.3976	0.0133	0.2
1902102	478226	7137108	5	70	10 B		BR	3	WHI19000752	0.8567	0.0027	0.05
1902103	478276	7137095	0	40	30 C		BR	4	WHI19000752	1.0016	0.0036	0.05
1902104	478326	7137090	5	30	30 B		BR	2	WHI19000752	0.7708	0.0053	0.05
1902105	478373	7137072	0	30	20 C		BR	4	WHI19000752	2.3499	0.0065	0.1
1902106	478421	7137063	5	30	20 B		BR	2	WHI19000752	1.3881	0.0053	0.05
1902107	478471	7137071	0	50	20 C		BR	3	WHI19000752	1.5328	0.0073	0.05
1902108	478521	7137068	5	50	10 C		GY	4	WHI19000752	1.3188	0.0037	0.05
1902109	478570	7137069	5	70	10 C		GY	4	WHI19000752	0.9552	0.0046	0.05
1902110	478617	7137059	0	30	20 C		GY	5	WHI19000752	1.8297	0.0032	0.05
1902111	478669	7137064	0	50	20 C		GY	5	WHI19000752	1.2141	0.0017	0.05
1902112	478719	7137068	0	40	30 C		GY	4	WHI19000752	0.9732	0.0032	0.05
1902113	478768	7137072	0	30	30 C		GY	5	WHI19000752	1.8437	0.0103	0.05
1902114	478818	7137071	0	80	20 C		GY	4	WHI19000752	1.4657	0.0038	0.05
1902115	478868	7137072	5	80	10 C		GY	3	WHI19000752	1.3384	0.004	0.05
1902116	478935	7137068	30	10	10 B		BR	1	WHI19000752	1.5606	0.0048	0.05
1902117	478981	7137049	0	20	10 C		BR	5	WHI19000752	2.1503	0.0052	0.05
1902118	479032	7137048	10	20	20 B		BR	3	WHI19000752	1.923	0.0049	0.1
1902119	479077	7137025	10	20	30 B		BR	3	WHI19000752	1.4901	0.0015	0.05
1902120	479126	7137011	10	30	20 B		BR	3	WHI19000752	1.1955	0.0035	0.1
1902121	479175	7137001	0	30	20 C		GY	5	WHI19000752	2.9142	0.0161	0.3
1902122	479224	7137008	5	70	20 C		BR	4	WHI19000752	1.0634	0.0029	0.05
1902123	479271	7137021	0	30	20 C		BR	5	WHI19000752	1.02	0.0037	0.05
1902124	479322	7137020	20	20	10 B		BR	2	WHI19000752	1.7193	0.0039	0.1
1902125	479375	7137019	0	10	20 B		BR	3	WHI19000752	3.8508	0.0083	0.2
1902126	479410	7137047	0	50	10 C		GY	5	WHI19000752	2.5339	0.0011	0.05
1902127	479452	7137072	0	80	10 C		GY	4	WHI19000752	4.3842	0.0072	0.2
1902128	479493	7137100	0	50	20 C		GY	4	WHI19000752	1.8117	0.0042	0.05
1902129	479541	7137116	0	30	40 B		BR	3	WHI19000752	0.9803	0.0022	0.05
1902130	479588	7137133	10	10	30 B		BR	2	WHI19000752	0.9604	0.0035	0.05
1902131	479624	7137165	0	30	30 C		BR	4	WHI19000752	1.1245	0.0036	0.05
1902132	479667	7137191	0	20	30 B		BR	3	WHI19000752	1.0632	0.0025	0.05
1902133	479709	7137221	0	20	20 B		BR	3	WHI19000752	1.0191	0.002	0.05

Sample ID	Mo_Best_pct	Cu_Best_pct	Pb_Best_pct	Zn_Best_pct	Pb_ppm	Zn_ppm	Mo_ppm	Cu_ppm	Ni_ppm	Co_ppm	Mn_ppm	As_ppm	Fe_pct
1902062	0.00013	0.0002	0.00011	0.0021	1.1	21	1.3	2	26.4	16.6	2638	37.2	3.41
1902063	0.00025	0.01164	0.00371	0.0103	37.1	103	2.5	116.4	67.8	56	1942	31.2	4.93
1902064	0.00121	0.01155	0.00642	0.0134	64.2	134	12.1	115.5	59.8	60.9	3297	144.9	6.33
1902065	0.0001	0.00628	0.00332	0.0149	33.2	149	1	62.8	72.1	55.4	1890	98.3	6.31
1902066	0.00008	0.00551	0.00099	0.0111	9.9	111	0.8	55.1	72.5	45.6	1812	9.1	7.85
1902067	0.00054	0.00858	0.00223	0.0149	22.3	149	5.4	85.8	90.5	62.2	2153	193.6	8.64
1902068	0.0002	0.00629	0.00056	0.0053	5.6	53	2	62.9	30.4	38.3	1445	84.4	3.02
1902069	0.0023	0.01295	0.00076	0.0141	7.6	141	23	129.5	91.3	104.1	2426	40.7	14.57
1902070	0.00005	0.00402	0.00066	0.0085	6.6	85	0.5	40.2	50.7	38.5	1508	8	7.34
1902071	0.00005	0.00478	0.00155	0.0097	15.5	97	0.5	47.8	28	29.6	2300	7.1	6.05
1902072	0.00011	0.00587	0.00127	0.0098	12.7	98	1.1	58.7	82.1	34.7	1638	21.5	4.91
1902073	0.00016	0.00863	0.01703	0.0374	170.3	374	1.6	86.3	206.8	53.5	1609	315.9	7.16
1902074	0.0001	0.00729	0.00126	0.0085	12.6	85	1	72.9	68.3	28.7	2579	24.5	4.61
1902075	0.00009	0.00304	0.00195	0.0076	19.5	76	0.9	30.4	48.7	19.4	1100	15.6	4.45
1902076	0.00007	0.00378	0.0026	0.0092	26	92	0.7	37.8	82	29.9	1670	60.2	4.56
1902077	0.00008	0.00199	0.0015	0.0061	15	61	0.8	19.9	17.7	6.3	120	19.6	3.61
1902078	0.00018	0.00225	0.00288	0.0068	28.8	68	1.8	22.5	18.3	9.6	303	13.6	3.59
1902079	0.00013	0.00259	0.00316	0.0068	31.6	68	1.3	25.9	19.8	8.9	296	15	3.39
1902080	0.00015	0.00187	0.00126	0.0056	12.6	56	1.5	18.7	21.9	9.3	322	11.1	3.36
1902081	0.00031	0.00548	0.0065	0.0098	65	98	3.1	54.8	33.4	16.3	2528	17.3	3.75
1902082	0.0001	0.00211	0.00198	0.0063	19.8	63	1	21.1	20.8	9.8	509	11	2.79
1902101	0.00054	0.02218	0.00212	0.0083	21.2	83	5.4	221.8	206.8	121.6	1619	80.7	13.38
1902102	0.00013	0.0025	0.00116	0.0046	11.6	46	1.3	25	23	9.3	396	13.4	4.74
1902103	0.00012	0.00279	0.00145	0.0051	14.5	51	1.2	27.9	24.6	10.1	749	12.5	3.21
1902104	0.00013	0.00101	0.0008	0.0028	8	28	1.3	10.1	8.7	3.8	118	6.9	2
1902105	0.00035	0.0096	0.0025	0.0092	25	92	3.5	96	47.5	25.8	813	15.6	4.61
1902106	0.00011	0.00427	0.00154	0.0065	15.4	65	1.1	42.7	54.4	19.4	1017	12.3	3.91
1902107	0.00016	0.00396	0.00241	0.0062	24.1	62	1.6	39.6	40.6	20.4	1177	18.2	4.18
1902108	0.00017	0.00295	0.00409	0.0082	40.9	82	1.7	29.5	21.7	11.9	427	12.6	3.93
1902109	0.00017	0.00166	0.00186	0.0049	18.6	49	1.7	16.6	13.6	6	267	9.5	3.85
1902110	0.00012	0.00591	0.00472	0.0114	47.2	114	1.2	59.1	40.3	21.1	963	19.5	5.04
1902111	0.00015	0.00416	0.00375	0.0068	37.5	68	1.5	41.6	25	13.8	758	14.1	3.72
1902112	0.00018	0.00209	0.00201	0.0062	20.1	62	1.8	20.9	17.9	7.2	460	11	3.4
1902113	0.00014	0.0033	0.00398	0.0077	39.8	77	1.4	33	27.6	16.4	801	16.4	3.91
1902114	0.00013	0.00382	0.00441	0.0086	44.1	86	1.3	38.2	32.6	16	1101	12.6	4.64
1902115	0.0002	0.00356	0.00396	0.0069	39.6	69	2	35.6	27.5	24.6	1334	17.9	3.63
1902116	0.00016	0.00485	0.00151	0.0092	15.1	92	1.6	48.5	39	29.8	1235	16.4	3.85
1902117	0.00034	0.00891	0.00241	0.0099	24.1	99	3.4	89.1	65.1	40.3	1579	26.9	5.36
1902118	0.0005	0.00605	0.00338	0.0106	33.8	106	5	60.5	48.6	31.5	1076	15.5	4.61
1902119	0.00019	0.00661	0.00256	0.0079	25.6	79	1.9	66.1	63.3	36.8	840	18.2	3.12
1902120	0.00018	0.00319	0.00219	0.0064	21.9	64	1.8	31.9	20.8	12.9	736	12.1	3.11
1902121	0.00062	0.00682	0.00229	0.0083	22.9	83	6.2	68.2	21.1	9.6	376	19.7	5.67
1902122	0.00015	0.00296	0.00179	0.0066	17.9	66	1.5	29.6	24.9	13.5	625	15.6	3.93
1902123	0.00024	0.00211	0.00201	0.0063	20.1	63	2.4	21.1	17.5	8.2	446	10.6	3.47
1902124	0.00026	0.00658	0.00155	0.0087	15.5	87	2.6	65.8	28.2	27.5	1350	10.4	5.67
1902125	0.00042	0.0217	0.00137	0.0071	13.7	71	4.2	217	64.6	39.5	1443	10.1	9.54
1902126	0.00019	0.01304	0.00713	0.0098	71.3	98	1.9	130.4	76.1	48.8	1328	15.3	5.1
1902127	0.00024	0.02106	0.00838	0.0139	83.8	139	2.4	210.6	97.6	77.2	4618	28.7	6.45
1902128	0.00026	0.00628	0.00437	0.0091	43.7	91	2.6	62.8	55.2	25.9	1096	14.1	4.82
1902129	0.00016	0.00248	0.00273	0.0063	27.3	63	1.6	24.8	21.2	9.3	481	14.6	3.64
1902130	0.00009	0.00239	0.00106	0.0057	10.6	57	0.9	23.9	32	14.9	440	11.9	2.78
1902131	0.00013	0.00304	0.00184	0.0065	18.4	65	1.3	30.4	44.8	19.5	888	25.5	3.9
1902132	0.00014	0.00283	0.00357	0.0059	35.7	59	1.4	28.3	19.5	9.4	355	24	3.25
1902133	0.00014	0.00301	0.0029	0.006	29	60	1.4	30.1	24.2	12.6	512	20.3	3.95

Sample	Th_ppm	Cr_ppm	Al_pct	Cd_ppm	Ba_ppm	Bi_ppm	Ca_pct	Sb_ppm	Sr_ppm	V_ppm	P_pct	La_ppm	Mg_pct	Na_pct
1902062	0.5	6	0.29	-0.1	98	-0.1	9.29	0.9	249	12	0.033	1	0.27	0.005
1902063	5.4	58	2.19	0.3	240	0.2	0.4	3.2	22	77	0.085	23	1.39	0.008
1902064	8.3	33	1.31	0.4	236	0.6	0.15	24.6	14	43	0.069	51	0.47	0.005
1902065	5.4	94	1.48	0.3	254	-0.1	1.43	29.4	101	91	0.195	35	1.35	0.009
1902066	3.7	240	4.28	0.2	214	-0.1	1.14	0.5	88	259	0.246	42	3.88	0.007
1902067	2.8	74	1.45	0.4	472	-0.1	1.25	22.7	97	113	0.22	31	1.27	0.009
1902068	0.5	32	1.14	0.3	587	-0.1	1.98	2.1	117	97	0.145	15	0.99	0.009
1902069	2.4	70	1.68	0.2	340	-0.1	1.55	6	107	132	0.211	39	1.48	0.007
1902070	3.1	115	2.53	0.1	1271	-0.1	1.66	0.9	104	191	0.209	30	2.77	0.01
1902071	1.5	35	3.41	0.3	240	0.1	0.95	0.9	44	164	0.128	30	1.61	0.006
1902072	0.9	66	2.04	0.4	149	0.1	1.7	2	62	62	0.203	19	0.87	0.009
1902073	1.5	42	1.1	1.5	148	0.1	1.38	23.8	66	46	0.136	14	0.47	0.009
1902074	1.1	65	2.38	0.3	218	0.1	1.21	2.1	58	75	0.116	20	0.89	0.009
1902075	2.6	65	2.03	0.1	253	0.1	1.21	1.4	38	96	0.058	20	0.9	0.008
1902076	2.6	49	2.12	0.5	184	0.1	0.88	2.8	30	64	0.069	22	0.57	0.009
1902077	1.8	50	1.44	0.3	91	0.2	0.36	1.1	21	84	0.067	13	0.52	0.005
1902078	3.8	29	1.78	0.2	84	0.4	0.09	1.2	10	60	0.042	18	0.34	0.006
1902079	4.5	28	1.73	0.1	80	0.4	0.11	1.1	11	56	0.037	22	0.4	0.005
1902080	2.4	46	1.75	0.2	137	0.2	0.16	0.7	15	80	0.035	15	0.55	0.005
1902081	2.3	53	2.26	0.4	151	0.5	0.19	2	20	68	0.118	25	0.63	0.007
1902082	1.7	25	1.49	0.2	75	0.2	0.1	1	10	47	0.039	19	0.39	0.005
1902101	2.9	120	3.31	0.4	92	0.2	0.15	7.7	14	126	0.146	25	2.04	0.005
1902102	2.6	58	1.98	0.3	73	0.2	0.16	0.9	18	105	0.047	17	0.66	0.005
1902103	1.6	40	1.88	0.2	101	0.2	0.25	1	24	60	0.06	21	0.56	0.005
1902104	1	15	0.63	0.2	41	0.2	0.15	0.8	13	99	0.046	14	0.12	0.003
1902105	3.8	50	2.42	0.9	105	0.4	0.22	1.7	32	88	0.131	22	0.99	0.02
1902106	0.7	71	2.55	0.2	136	0.2	0.23	0.7	24	84	0.102	29	1.27	0.006
1902107	1.1	72	2.2	0.2	95	0.3	0.17	0.8	19	66	0.109	25	0.83	0.005
1902108	1.8	32	2.22	0.1	83	0.4	0.08	0.9	9	59	0.094	26	0.44	0.005
1902109	3.4	22	1.28	-0.1	49	0.3	0.05	0.7	7	53	0.058	16	0.22	0.003
1902110	11.8	42	2.8	-0.1	85	0.5	0.15	0.6	18	28	0.043	68	0.88	0.004
1902111	1.7	32	1.94	-0.1	70	0.5	0.07	0.6	10	37	0.078	39	0.52	0.005
1902112	0.7	32	1.74	0.1	66	0.4	0.07	0.8	10	60	0.072	16	0.37	0.005
1902113	2.4	34	2.01	0.1	66	0.4	0.12	0.7	12	48	0.078	26	0.56	0.005
1902114	2.1	43	2.03	0.1	82	0.5	0.13	0.6	12	50	0.109	21	0.61	0.005
1902115	1.3	32	1.54	-0.1	91	1.7	0.13	1.5	28	30	0.123	11	0.49	0.008
1902116	1.2	76	2.17	0.3	521	0.2	0.81	0.8	75	105	0.16	22	0.82	0.008
1902117	6.5	90	2.77	0.3	108	0.2	0.51	1.5	67	126	0.23	159	1.4	0.008
1902118	1.2	50	2.09	0.6	97	0.3	0.3	3.2	36	86	0.114	37	0.65	0.008
1902119	1.3	34	1.95	0.4	128	0.3	0.19	1	28	48	0.101	26	0.55	0.007
1902120	0.2	33	1.55	0.2	149	0.2	0.12	1	17	62	0.137	17	0.35	0.006
1902121	0.5	38	1.94	0.3	193	0.3	0.11	2.1	39	121	0.21	27	0.33	0.026
1902122	0.2	43	1.98	0.3	96	0.2	0.14	0.9	36	60	0.154	22	0.51	0.006
1902123	1.4	27	1.49	0.1	106	0.3	0.08	1.1	15	50	0.058	18	0.38	0.016
1902124	0.9	26	2.88	0.4	137	0.2	0.42	0.7	24	115	0.168	20	1.18	0.013
1902125	3.4	34	1.84	0.3	183	0.2	0.24	3.5	22	69	0.071	16	0.68	0.011
1902126	7.3	66	2.51	0.2	181	0.6	0.3	0.8	22	65	0.091	81	1.5	0.009
1902127	5.8	141	3.65	0.5	214	0.6	0.62	1.3	68	126	0.222	212	2.05	0.012
1902128	6.9	63	2.53	-0.1	54	0.5	0.14	0.7	24	38	0.097	32	1.18	0.013
1902129	0.6	36	1.94	0.1	78	0.4	0.09	0.8	11	57	0.075	15	0.43	0.006
1902130	1.5	32	1.67	-0.1	104	0.2	0.24	0.7	19	46	0.085	18	0.48	0.007
1902131	0.7	89	1.96	0.2	117	0.2	0.27	0.8	20	73	0.126	18	1.02	0.006
1902132	3.2	29	1.05	0.1	55	0.3	0.19	0.6	11	53	0.081	17	0.42	0.004
1902133	2	33	1.42	0.1	58	0.3	0.09	0.7	8	52	0.055	15	0.49	0.004

Sample 2	B_ppm	Ti_pct	K_pct	W_ppm	Hg_ppm	S_pct	Sc_ppm	Tl_ppm	Ga_ppm	Se_ppm	Te_ppm
1902062	6	-0.001	0.12	-0.1	0.01	-0.05	4.1	-0.1	-1	-0.5	-0.2
1902063	4	0.038	0.08	-0.1	0.05	-0.05	12	-0.1	7	-0.5	-0.2
1902064	3	0.024	0.15	-0.1	0.13	-0.05	10.1	0.1	3	-0.5	-0.2
1902065	3	0.051	0.12	-0.1	0.09	-0.05	14.7	-0.1	5	-0.5	-0.2
1902066	-1	0.11	0.07	-0.1	0.03	-0.05	7.8	0.1	17	-0.5	-0.2
1902067	3	0.087	0.11	-0.1	0.1	-0.05	20.1	0.1	6	-0.5	-0.2
1902068	-1	0.036	0.07	-0.1	0.07	0.11	4.3	-0.1	5	-0.5	-0.2
1902069	1	0.114	0.03	-0.1	0.07	0.16	7.7	-0.1	8	-0.5	-0.2
1902070	-1	0.321	0.19	0.1	0.02	-0.05	8.7	-0.1	13	-0.5	-0.2
1902071	-1	0.062	0.07	-0.1	0.03	-0.05	7.5	0.1	13	-0.5	-0.2
1902072	2	0.021	0.05	-0.1	0.08	0.07	5.9	0.1	6	-0.5	-0.2
1902073	2	0.018	0.07	0.1	0.11	0.08	12.2	-0.1	3	0.7	-0.2
1902074	-1	0.024	0.05	0.1	0.05	0.07	10.2	0.1	6	-0.5	-0.2
1902075	-1	0.138	0.06	0.2	0.03	-0.05	7.5	0.1	7	-0.5	-0.2
1902076	-1	0.027	0.04	0.1	0.06	-0.05	9.6	0.1	5	0.6	-0.2
1902077	-1	0.046	0.04	0.2	0.05	-0.05	4.3	0.1	5	-0.5	-0.2
1902078	3	0.036	0.07	0.3	0.05	-0.05	2.6	0.2	6	1.1	-0.2
1902079	3	0.033	0.08	0.2	0.03	-0.05	2.5	0.2	6	0.9	-0.2
1902080	3	0.091	0.04	0.2	0.03	-0.05	3.2	0.2	7	1	-0.2
1902081	3	0.022	0.07	0.2	0.1	0.06	4.8	0.2	7	1.1	-0.2
1902082	1	0.034	0.06	0.2	0.04	-0.05	2	0.1	4	0.7	-0.2
1902101	-1	0.029	0.03	0.1	0.08	-0.05	14.3	0.1	10	2.1	-0.2
1902102	2	0.057	0.04	0.2	0.04	-0.05	4.4	0.1	9	0.9	-0.2
1902103	3	0.046	0.03	0.2	0.08	-0.05	3.1	0.1	6	0.6	-0.2
1902104	-1	0.046	0.03	0.2	0.02	-0.05	1.3	0.1	7	0.6	-0.2
1902105	2	0.05	0.05	0.1	0.05	0.06	4.5	0.2	7	1.7	-0.2
1902106	3	0.037	0.05	0.1	0.04	-0.05	3.8	0.1	7	1.5	-0.2
1902107	2	0.023	0.04	0.1	0.06	-0.05	3.1	0.1	7	1	-0.2
1902108	2	0.026	0.07	0.2	0.05	-0.05	2.2	0.2	7	1.2	-0.2
1902109	2	0.027	0.06	0.1	0.03	-0.05	1.7	-0.1	7	-0.5	-0.2
1902110	2	0.003	0.05	-0.1	0.02	-0.05	3.9	0.1	8	-0.5	-0.2
1902111	2	0.009	0.05	-0.1	0.03	-0.05	1.6	-0.1	7	-0.5	-0.2
1902112	1	0.025	0.06	0.1	0.06	-0.05	1.5	0.2	7	1	-0.2
1902113	2	0.029	0.06	0.1	0.04	-0.05	2.1	0.1	6	-0.5	-0.2
1902114	2	0.042	0.07	0.1	0.08	-0.05	2	-0.1	7	0.6	-0.2
1902115	1	0.02	0.07	-0.1	0.12	0.09	1.5	-0.1	5	0.9	-0.2
1902116	3	0.108	0.08	0.2	0.07	0.08	4.8	0.2	8	1.3	-0.2
1902117	2	0.052	0.06	0.2	0.08	-0.05	7.4	-0.1	11	0.9	-0.2
1902118	2	0.072	0.05	0.2	0.08	-0.05	2.5	0.1	7	1.1	-0.2
1902119	1	0.033	0.05	0.1	0.04	-0.05	2.8	0.1	5	0.6	-0.2
1902120	1	0.021	0.06	0.1	0.09	0.06	0.9	0.2	6	1	-0.2
1902121	1	0.057	0.13	-0.1	0.08	0.22	2.2	0.2	8	1.9	-0.2
1902122	2	0.014	0.08	0.1	0.08	0.07	0.9	0.1	6	1.1	-0.2
1902123	1	0.032	0.13	0.2	0.04	0.16	2.2	0.2	5	1	-0.2
1902124	2	0.139	0.05	-0.1	0.08	0.1	4.5	0.1	10	1.1	-0.2
1902125	2	0.119	0.04	-0.1	0.14	-0.05	8.2	0.1	5	0.8	-0.2
1902126	2	0.076	0.09	0.2	0.06	-0.05	5.8	0.1	7	0.8	-0.2
1902127	4	0.072	0.09	0.1	0.16	0.05	13	0.2	12	2.4	-0.2
1902128	2	0.012	0.06	-0.1	0.03	0.07	3	-0.1	7	-0.5	-0.2
1902129	2	0.019	0.06	0.1	0.05	-0.05	1.5	0.1	7	-0.5	-0.2
1902130	2	0.04	0.04	0.2	0.06	-0.05	2.8	-0.1	4	-0.5	-0.2
1902131	1	0.028	0.05	0.3	0.06	0.06	4.5	0.1	8	-0.5	-0.2
1902132	2	0.041	0.04	0.3	0.04	-0.05	2	-0.1	5	-0.5	-0.2
1902133	-1	0.039	0.05	0.2	0.04	-0.05	1.8	0.1	7	-0.5	-0.2