2017 Assessment Report
McKay Hill Project, Yukon

Beaver River Area
NTS 106D/06
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)
SNOOSE 91-116 (YF29091 to YF29116)

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Period of Work:
June 21st, July 10th-15th & October 1st-2nd, 2017

Summary

The McKay Hill property is located in the Mayo Mining District at 50 km at latitude 64° 20' north and longitude 135° 21' east (NTS map-sheet 106D/06). The property is situated on the southern slopes of the McKay, Horseshoe and Sullivan hills, which are part of the Ogilvie mountains in Central Yukon. In mid-July 2017, Metallic Minerals Corp. completed an exploration program on the McKay Hill property. In early October, following up from results from this work program, an additional soil campaign was completed west of Red Gulch and 16 contiguous quartz claims were staked to the south. Currently the McKay Hill project comprises 170 quartz claims (3,353.3 ha).

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. Mineralization occurs on surface as a series of Ag±Au-rich, quartz-galena-Cu oxides veins hosted in carbonate-altered consistently north-northwest striking, near vertical, siliciclastic and hypabyssal-volcanic rocks (basalts and diorites as well as grit to quartz-pebble conglomerate with interbedded shale and siltstone). As a result of this program and previous work by Monster Mining Corp., the host sequence of the McKay Hill veins is interpreted likely be the Dempster volcanics (CO_v) of the Marmot Group and not be 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).

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. Previous work by the author (2009, 2010) characterized the McKay silver veins as part of a high-sulphidation epithermal system; however, upon continued evaluation an intermediate-sulphidation model may more accurately fit the current findings.

The 2017 exploration program was completed from July 12-14th and October 1st-2nd 2017 and included satellite imagery data collection (in early June), mapping (1:250- to 1:30,000-scale), prospecting, exposing the No. 6 vein via hand-pitting, soil sampling and subsequent claim staking. The work comprised of two exploration campaigns, the first totaled of 22-man days and the second 4-man days staking and 4-man days soil sampling. A total of $66,691.94 was spent during the July program and another $24,061.32 in October which included prospecting and soil sampling, as well as production of an orthophoto from the satellite imagery data collected earlier in the year.

In summary, the exploration program included:

- 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; and
- subsequent staking of the Snoose 91-116 claims.

Additionally, on July 20th the central claim area of the property was visited by Yukon Geological Survey (YGS) geologists Lara Lewis and Derek Torgerson who were accompanied by the author.

In August 2017, Photosat Information Ltd. produced a 50 cm per pixel resolution colour orthophoto of 100 km^2 covering the McKay Hill property. This orthophoto was produced from a series of 50 cm pixel resolution WorldView-3 satellite photos acquired on August 10, 2017. Satellite photos were acquired with the goal of detecting orange-coloured alteration zones and white quartz veins typical of McKay Hill, and to compliment the lineament study completed pre-field work. These photos also make possible the generation of a 3-m elevation grid of the visible earth surface (DEM/DSM) in the area.

Three days of mapping in the Sullivan, McKay and Independence Hill areas was completed to characterize the regional structural setting of the McKay Hill property. Three north-south traverses were done along ridgelines and a 1:50,000-scale map of the area was created. A product of this work was the grouping of host stratigraphy earlier described in Blackburn (2009) into seven packages. Stratigraphy correlates well across the Sullivan and McKay Hill ridges, and along the northern portion of the Independence Hill ridge.

At present, the most prospective showing on the project is the No. 6 vein which is centered within the historic workings which includes numerous hand-pits, trenches and an adit. In 1949, East Bay Mining Ltd. shipped 143 tonnes of ore from the No. 6 vein with an average grade of 390.9 g/t Ag and 74.1 % Pb (Green, 1972). The 2017 program was successful in extending the strike length of the vein from 168 m to 467 m, as well as confirm the veins are overall oriented roughly 030° and are steeply dipping, cut by a series of dextral faults, giving it an overall trend of 065°-245°N.

Mapping of the McKay Hill ridge focused on assessing veins and trenches at lower elevations outside of Blackburn's (2009) mapping area. Measurement of ten mineralized vein orientations confirms the mean orientation of the mineralized trend oriented at 061°-070°N at the McKay Hill ridge-scale. However, the 2017 findings on the No. 6 vein highlight multiple dextral offsets from ~330°N(?)-oriented faults at the meter-scale. Strike and dip measured for the Blackhawk vein in this study differ from previous studies, which could represent post-D_3 remobilization along the late ~330°N(?)-oriented apparently dextral faults identified on the western side of the ridge.

Five-days of prospecting entailed ground-truthing and sampling rusty-coloured patches of ground within the Sullivan, McKay and Independence hills which were spotted from the fly camp or the helicopter. A total of 23 rock samples were collected from the McKay Hill and Independence Hill Zones and sent in for geochemical analysis. Prospecting followed the Blackhawk West vein along strike to the northeast (for ~300m) down slope where seven float and subcrop samples of vein material and mineralized conglomerate were collected and returned up to 919 g/t Ag from historical pits and trenches. This area is deemed highly prospective and should be followed up on in 2018.

Two soil sampling campaigns covering four grids were completed in 2017:

- extend the pre-existing soil grid around the central McKay workings westward
- extend the pre-existing soil grid around the central McKay workings eastward
- centralized grid on the Independence Hill historical trenches area
- a grid over the Red Gulch valley to extend the McKay Hill vein system eastward towards the Independence Hill area.

A total of 258 soil samples were collected during the program and highlighted numerous areas of interest.

Overall, the 2017 exploration season was successful. Findings and results were encouraging and as a result MMG staked the Snoose 91-116 (*YF29091* to *YF29116*; 26 claims totaling 543.4 hectares) to the south. Colour orthophoto surveying (50 cm per-pixel resolution) was completed by Photosat Information Ltd. over the entire 100 km^2 project. This work produced WorldView-3 satellite photos which highlighted orange-coloured (iron ± carbonate) alteration zones and white quartz veins typical of McKay Hill, which complimented the lineament study completed pre-field work. These photos also make possible the generation of a 3-m elevation grid of the visible earth surface (DEM/DSM) in the area

The McKay Hill project is deemed highly prospective. The author recommends extensive follow-up and testing of the targets delineated to date as well as helicopter prospecting campaigns in outlying areas. In order to adequately test the mineralization observed on the McKay Hill property, the following recommendations are made: establishing infrastructure; create target access; methodically map and geochemically sample veins; additional prospecting, mapping and soil sampling; test veins via bedrock-interface probing and heli-portable RAB drill; hyperspectral surveying and combined VLF-IP surveying. Currently, planning for the 2018 exploration program is underway and includes the above recommendations minus geophysical surveys and hyperspectral surveying and has a proposed budget of approximately $750,000.00.

1 Introduction

This assessment report summarizes the 2017 exploration program activities performed by Metallic Minerals Corp. Work included satellite (orthophotography) imagery over the project area; delineating attitude and extending the No. 6 vein; mapping, prospecting and sampling at the Independence Zone; 1:2000-scale mapping of the project area to evaluate Blackburn's (2009) proposed regional geological interpretation; and conducting two soil sampling campaigns covering 4 grids. 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.

1.1 Underlying Agreements & Land Tenure

The McKay and Independence Zones are part of the McKay Hill Project located in the southern Wernecke Mountains (refer to *Figure 1*, following page). Metallic Minerals Corps. (MMG), precursor Monster Mining Corp. acquired the initial land package at McKay Hill from prospector Matthias Bindig in 2007. The project currently covers 170 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*) and MK 1-54 (*YD34989 - YD34936*) and the newly staked Snoose 91-116 (*YF 29091 – YF29116*).

This assessment report covers two separate filings covering work undertaken in June and July totaling $66,691.94 (filed in July) and the other on subsequent work in October totaling $24,061.32 (filed in January 2018). *Table 1. Claim Status* below shows the work filed on the claims and current expiry data; *Figure 2. McKay Hill Claims Map* (page 8) shows the location of the claims. Appendix I. includes the Statement of Expenditures for both filings.

Table 1. Claim Status Following Assessment Filings[1]

Claim Name	Grant No	No. of claims	Expiry prior to July Filing	Owner	Years Filed on each claim	New Expiry	Total Years Required	Work Required
Snoose 1-20	YC56719-738	20	19-Jul-21	Metallic Minerals Corporation	2.0	19-Jul-23	40.0	$ 4,000
Snoose 21-90	YD11201-270	70	1-Dec-17	Metallic Minerals Corporation	5.0	1-Dec-22	350.0	$ 35,000
MK 1 - 54	YD34912-917	54	21-Jul-17	Metallic Minerals Corporation	5.0	21-Jul-22	270.0	$ 27,000
		144					270.0	$ 27,000

Claim Name	Grant No	No. of claims	Expiry prior to January Filing	Owner	Years Filed on each claim	New Expiry	Total Years Required	Work Required
Snoose 1-20	YC56719-738	20	19-Jul-23	Metallic Minerals Corporation	1.5	1-Dec-24	30.0	$ 3,000
Snoose 21-28	YD11201-208	8	1-Dec-22	Metallic Minerals Corporation	1.0	1-Dec-23	8.0	$ 800
Snoose 29-68	YD11209-248	40	1-Dec-22	Metallic Minerals Corporation	2.0	1-Dec-24	80.0	$ 8,000
Snoose 69-72	YD11249-252	4	1-Dec-22	Metallic Minerals Corporation	1.0	1-Dec-23	4.0	$ 400
Snoose 73-90	YD11253-270	18	1-Dec-22	Metallic Minerals Corporation	2.0	1-Dec-24	36.0	$ 3,600
MK 1 - 54	YD34912-917	54	21-Jul-22	Metallic Minerals Corporation	1.5	1-Dec-24	81.0	$ 8,100
		144					239.0	$ 23,900

[1] Claim expiry dates based on acceptance of this report.

Figure 1. Location & Access

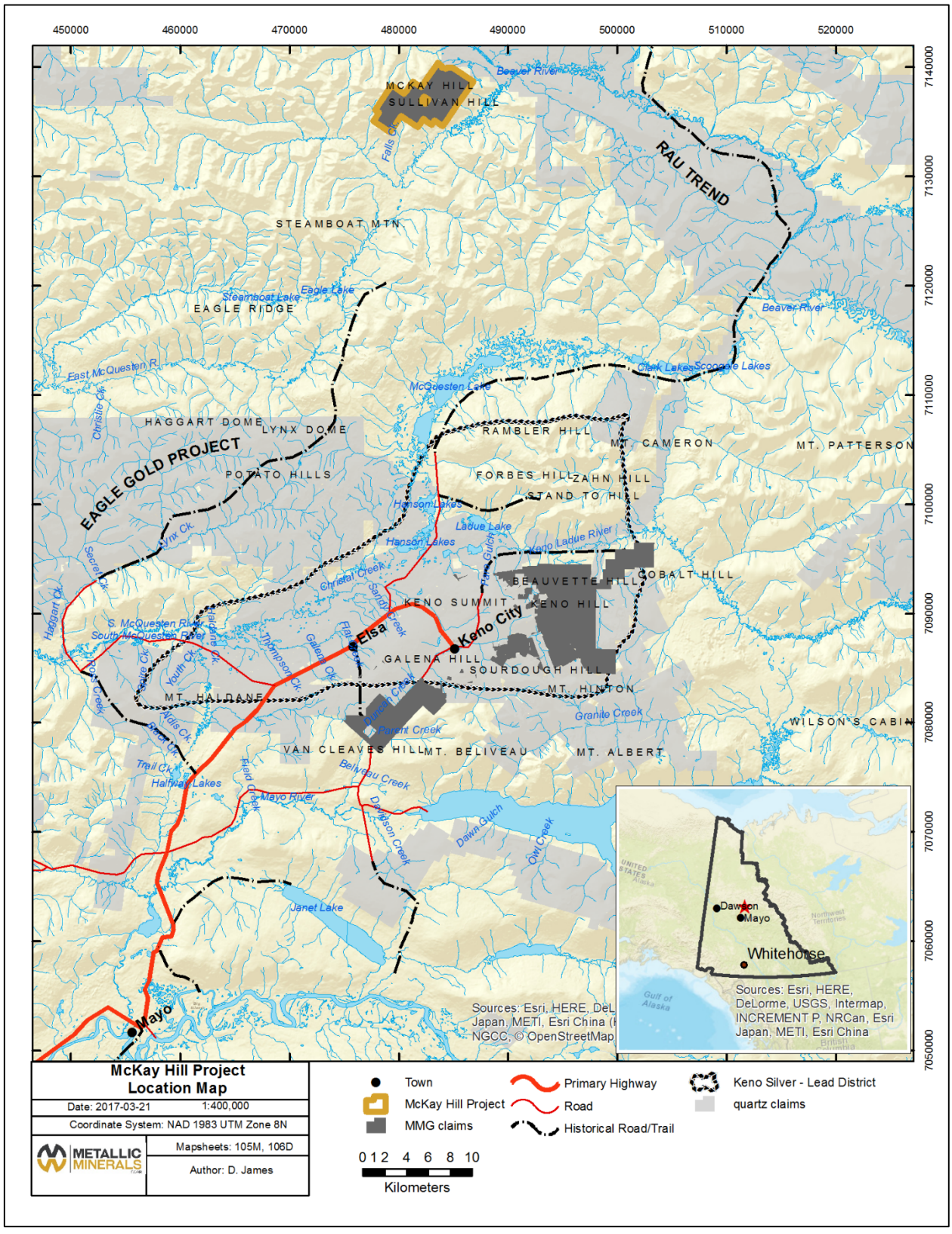
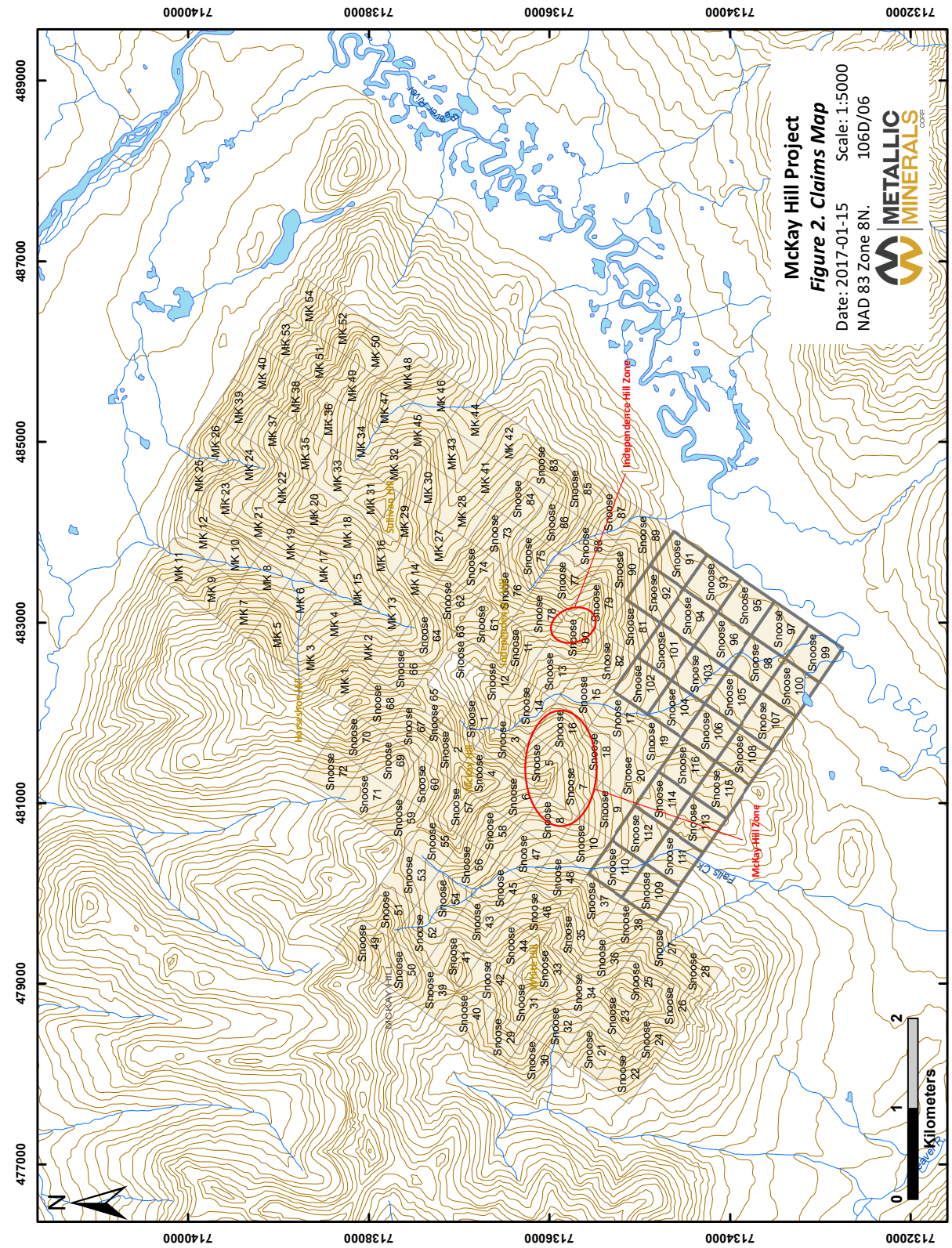


***Figure 2. McKay Hill Claims Map*[2]**



[2] Claims staked in early October are highlighted with a dark grey claim border.

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. 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 7). 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, Scougale 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 is has development potential the original access route that followed the South McQuesten River from Elsa across a low divide to the East McQuesten River to the Beaver River could be evaluated (*Figure 1*).

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 within the Olgilvie Mountains. 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 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).

To date, fly-camps have been temporarily set-up on a saddle on the Snoose 8 claim. 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.

LEFT Photo-plate 1. Looking at Independence Hill (east) from the Snowdrift showing on McKay Hill;

RIGHT Photo-plate 2. Typical topography of the district.

2 Property History

The McKay Hill property is 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. *Table 2* (below) summarizes the work history in the area surrounding the McKay Hill showing (106D 038), which includes the 'Independence Zone', and is based primarily on the YGS's MINFILE database (Deklerk and Traynor (*compilers*, 2008). *Figure 3* (refer to page 12) illustrates the geochemical work completed by Monster Mining Corp. from 2007-2011.

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 from Erickson, 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 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. Versluce. 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 19th 2007	SNOOSE 1-20 (*YC56719 to YC56737)* claims are staked by Matthias Bindig.
October 12th 2007	Prospecting, trench mapping/verification and geochemical sampling by Monster Mining Corp. (previously Northex Minerals Inc.).
July 24th 2008	Prospecting, trench mapping/verification and geochemical sampling by Monster Mining Corp. (previously Northex Minerals Inc.).
August 1st 2009	Staking of SNOOSE 21-90 *(YD11201 to YD11270)* by Monster Mining Corp. for a total o 90 claims (1,881 Ha).
August 12-14th 2009	YMIP-funded exploration program completed on the SNOOSE 1-90 (*YC56719 to YC56737, YD11201 to YD11270)* claims by Monster Mining Corp. Program included: detailed mapping of a 700 m^2 area, collection and analysis of 140 soil samples and petrographic analysis of 10 thin sections and 7 polished sections.
2011	Detailed Structural mapping (refer to Nicholson, 2011), rock sampling and helicopter-borne SkyTEM time domain electromagnetic geophysical survey by Monster Mining Corp.

2.1 McKay Hill (106D 038) Showing

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 supervised 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 ±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 (refer to *Figure 4*, page 13). 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 D_2 quartz-carbonate veins and D_3 faults. Monster Mining proposed targets on the known veins for diamond drill follow up. 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.

Figure 3. 2007-2011 Geochemical Sampling by Monster Mining Corp.

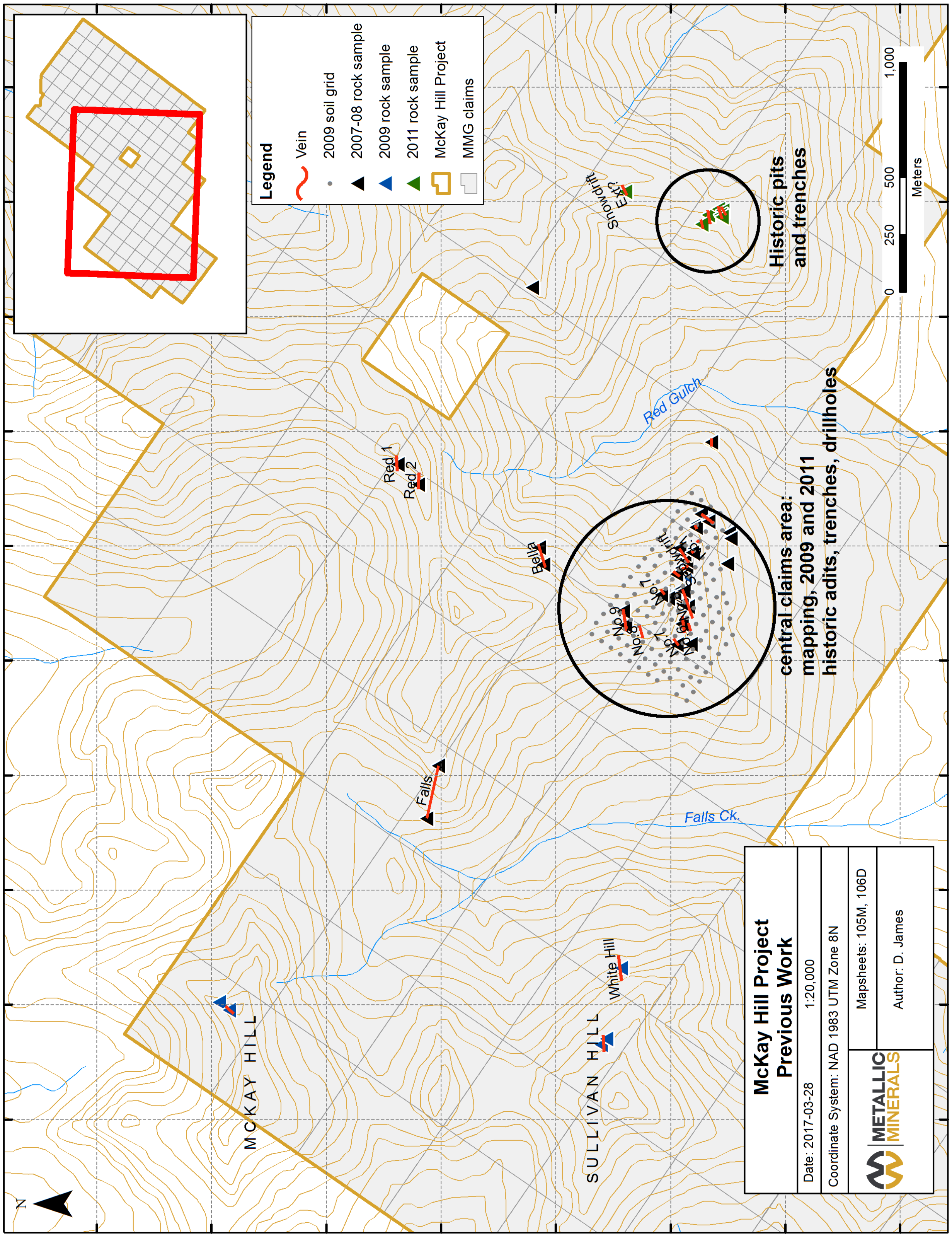
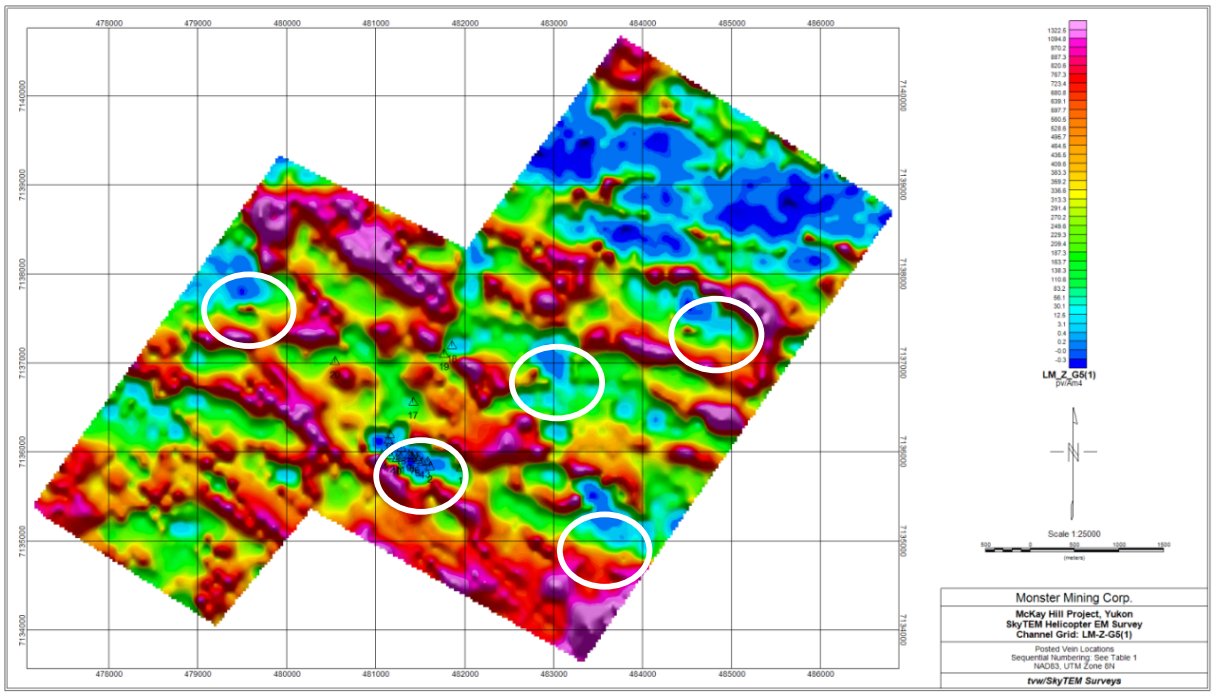


Figure 4. SkyTEM Survey Low moment (LM) channel plot* (see James, 2017).



* Pink and red areas are more conductive. White ellipses are target zones. Known veins are highlighted by a triangular symbol.

2.2 White Hill (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 narrow 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).

2.3 Independence Hill Zone

In 2017, the MMG geology team coined the 'Independence Hill Zone' after the original claim 'Independence' which was centred on a mineralized base-metal vein on the ridge east of McKay Hill proper (refer to *Figure 4*, above). On most topographic maps, 'McKay Hill' covers three peaks, the eastern-most which underlay the historic Independence claim. No MINFILE occurrence is associated with this showing which is characterized by a base-metal vein hosted in intensely clay-altered volcanics that have cockade and boiling textures.

3 Regional and Property Geology

3.1 Regional Geology and Tectonic Setting

The property is located on the 1:250 000 scale Mayo (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 (1:50 000 map sheets 6 and 7) has never been mapped at a 1:50 000-scale and to date is relatively poorly understood (Blackburn, 2010).

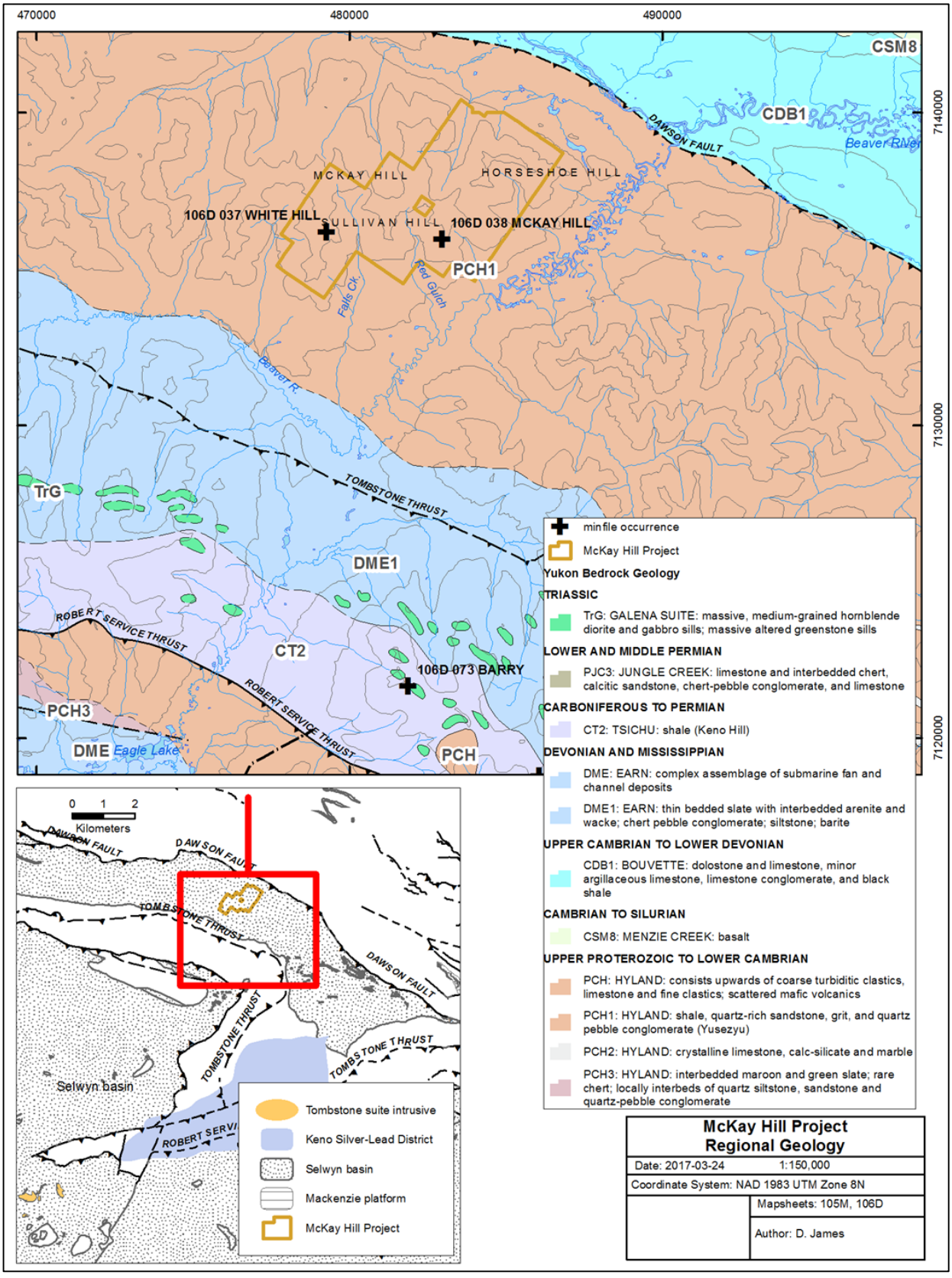
The McKay Hill property is part of the Omineca Belt within the Ancestral North American terrane. The Omineca Belt consists of a poorly understood Neoproterozoic to late Paleozoic assemblage of alternating basin (Selwyn Basin) and platform (Mackenzie Platform) sequences occurring in sheets separated by 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 5*, following page). 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 SW. Approximately 7 km to the SW 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 ± 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 the majority of clasts found within the conglomerate are undeformed and volcanic in origin (Blackburn, 2010). These findings suggest that the Hyland Group Yusezyu Formation does in fact not 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.

Figure 5. 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 (Mayo (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 page 18 for *Figure 6. Property Geology - Fault & Fold Models*) 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 (± quartz) circular to oblong amygdules (≤ 3mm) comprise ≤ 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 ± copper carbonate minerals (namely azurite, malachite ± 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 ± pyrite) andesite forms the top of McKay Hill.

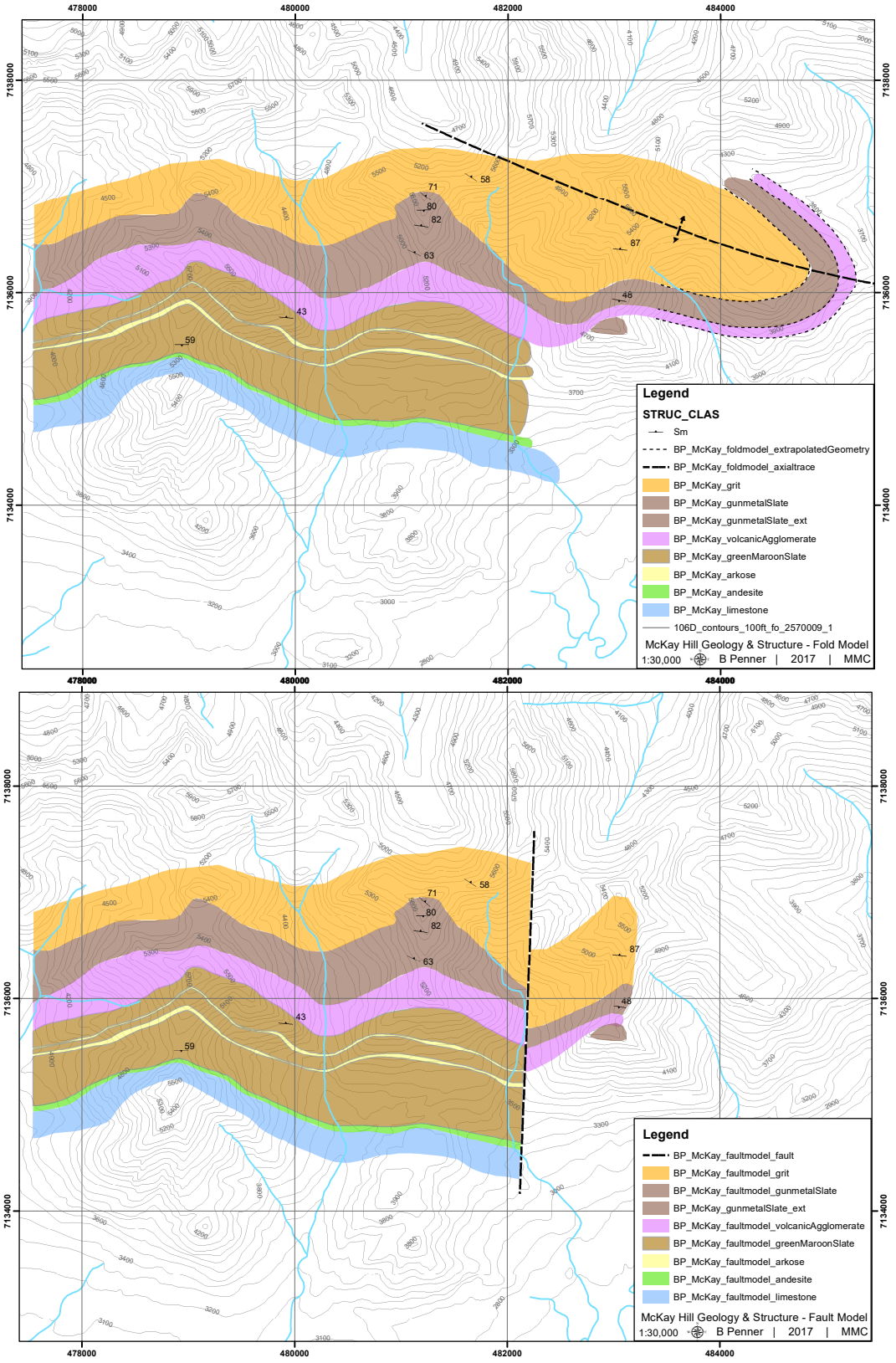
Lithological contacts between units are parallel to foliation, which is consistently striking roughly northwest and steeply dipping (Blackburn, 2009; this study). Further structural work by Nicholson (2011) estimates the foliation fabric to be consistent within the study area, with an average of 289N/71°NE. 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 this year 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.

- D_1 is associated with the late Jurassic-early Cretaceous accretion of allochthonous terranes on the Ancestral American craton. At McKay Hill, D_1 generated the regional foliation and associated minor folding as well as faults and veins with the average 284N/84°NE orientation.
- D_2 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.
- D_3 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, D_3 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.
- D_4 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 2017, Metallic Minerals Corp. conducted 1:30,000-scale mapping (refer to § 5.2.1. and *Figure 6,* following page) over the area to create a stratigraphic and structural framework and to examine Blackburn's (2009) proposed underlying geology (*i.e.*, Marmot Gp., Dempster volcanics Vs. Hyland Gp., Yusezyu Fm). The resulting map supports the authors' 2009 hypothesis (refer to Blackburn, 2009 & 2010) and two potential geological interpretations are presented. The first, and preferred model, invokes a warping of stratigraphy along the eastern ridge to reflect a counter-clockwise-rotating strike and shallowing dip around a proposed antiformal hinge. The stratigraphic repetition observed at the south end of the eastern ridge could be a function of local faulting on the southern fold limb, or could be a function of fold limb orientation that was not observed during this work. The fold interpretation is lent weight by the presence of an east-west striking, steeply dipping axial planar foliation that was mapped through the property. Vergence between the contact/bedding dips and the foliation measurements indicate the presence of an antiform to the north. The second model invokes a fault that strikes approximately north-south up the creek between the central and western ridgelines. In this model, the attitudes of beds along the eastern ridge is assumed to be the same as in the central and western edge. A smaller fault would also likely be needed to explain the stratigraphic repetition of the gunmetal slate at the southern end of the eastern ridge.

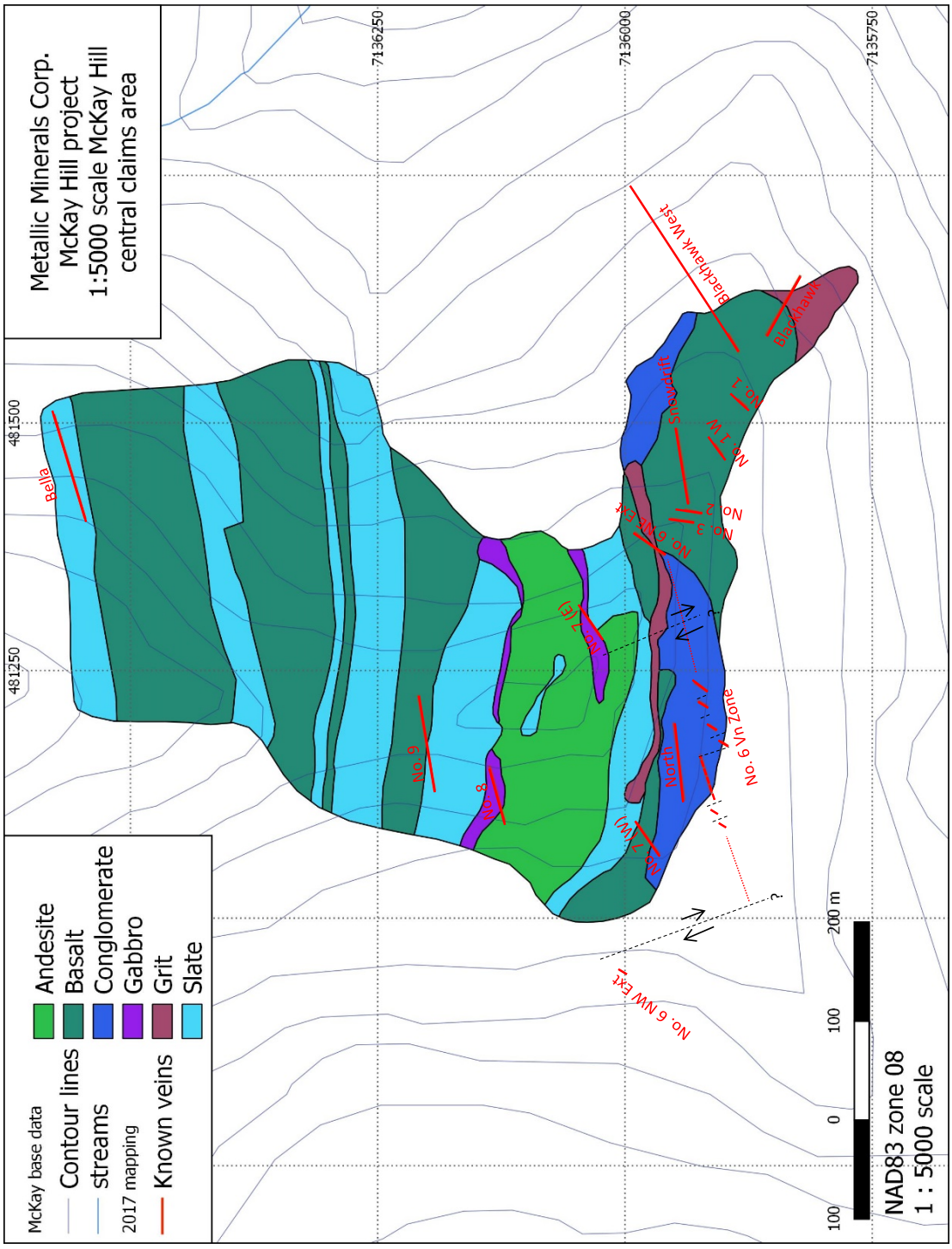
Figure 6. McKay Hill Area Property Geology– Fault & Fold Models



3.2.1. McKay Hill Zone Geology

The aforementioned geology is primarily based on mapping efforts around the McKay Hill Zone area. In 2009 the Monster Mining Corp. conducted a 2-day mapping exercise around the main showings which has been adapted to include 2017 mapping (refer to Blackburn, 2009 & 2010; and *Figure 7*, below). It should be noted that the units are consistently, north-northwest striking and near vertical.

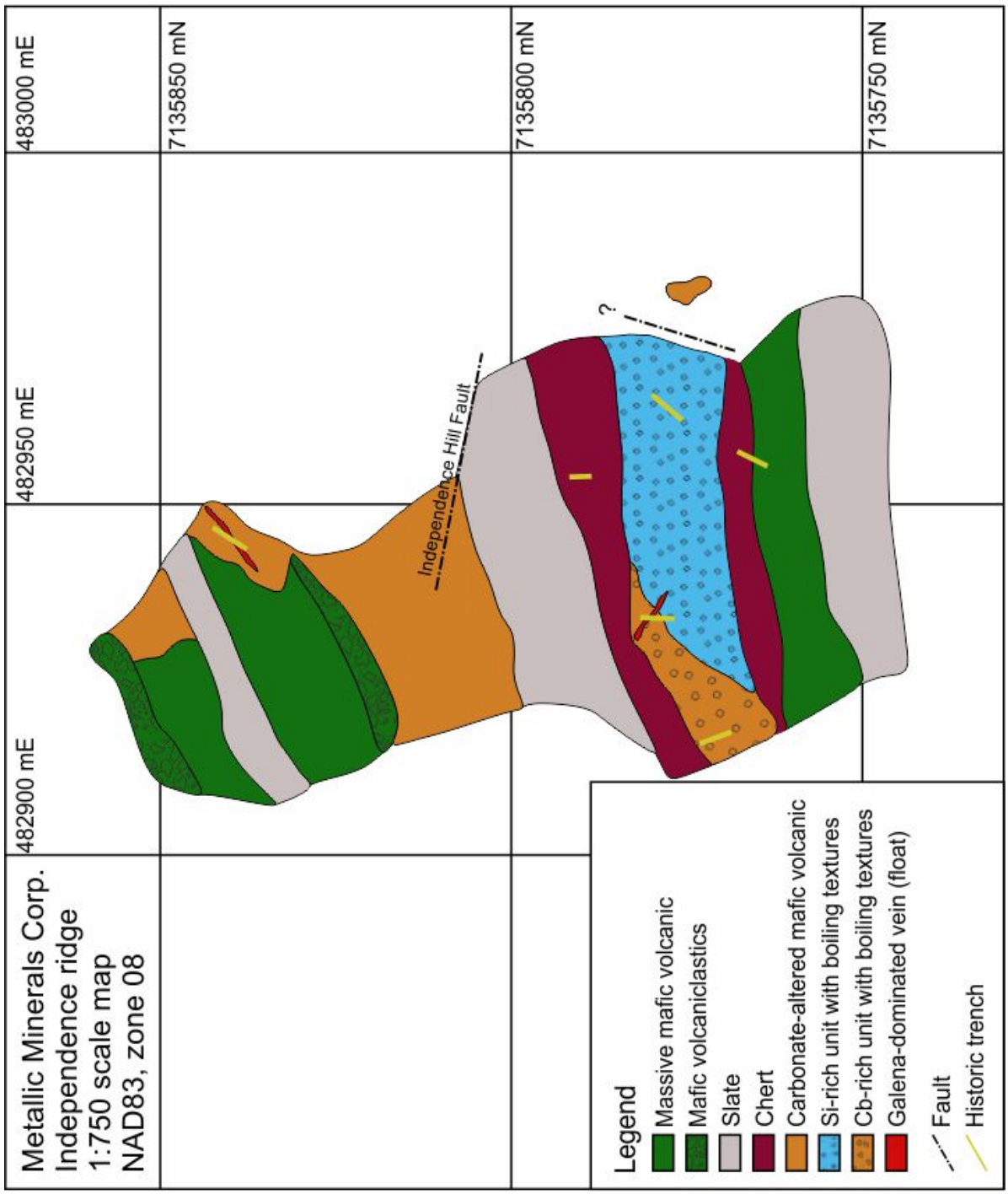
Figure 7. McKay Hill Zone Geology



3.2.2. Independence Hill Zone Geology

In 2017, the historic workings area at Independence Hill was evaluated via 1:750-scale mapping and a localized prospecting campaign (refer to *Figure 8* below). The Independence Hill Zone differs geologically from the McKay Hill Zone primarily in mineralization style (refer to § 4, this report).

Figure 8. Independence Hill Zone Geology



4 Mineralization-Style & Deposit-Type

McKay Hill encompasses MINFILE occurrences 106D 037 (White Hill) and 106D 038 (McKay Hill) and has historically been explored for Keno Hill-style polymetallic Ag-Pb-Zn veins. At least 25 veins have been located and identified since Monster Mining started work on the project in 2007 and most are in the central claim area where they are exposed along ridgetops (refer to *Figure 7*, page 19).

Known mineralization at McKay Hill occurs as a series of decimetre to metre-scale quartz- galena ± copper oxides ± sphalerite ± sulfosalts veins with banding and localized brecciation parallel to vein walls observed on well-developed veins (refer to Photo-plate 3. A, B, C; following page). In lithological units with high initial porosity such as conglomerates, mafic volcaniclastics and grit (coarse sandstone), mineralization is of matrix replacement type (refer to Photo-plate 3. D; 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-lead transition zone and 3) low-level galena mineralization. The following table from the Blackburn (2009) report displays the metal concentrations of veins from the different levels.

Table 3. Selected 2007 & 2008 Geochemical Results (Pautler, 2009; adapted from Blackburn 2009).

Zone	Vein	Sample	Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)
High-level	Snowdrift	MK-06	Grab	15.6	668	3.9	0.94	2.4
	Snowdrift	526150	Grab	2.61	174	0.69	0.13	0.42
	Snowdrift	526196	1.5	1.37	57.2	0.63	4.7	1.51
	Blackhawk West	526244	Grab	1.14	100	1.46	0.17	0.27
	No. 8	MK-02	Grab	16.8	646	0.64	0.14	33
	No. 1 West	29887	Grab	0.765	502	2.4	0.47	46.4
Transition	Snowdrift	29885	Grab	0.085	470	0.595	0.29	46.5
	Blackhawk	29890	Grab	0.51	551	0.51	1.16	47.3
	Blackhawk	29889	Grab	0.9	484	0.53	8.33	54.6
	No. 9	29896	Grab	0.59	132	2.24	2.31	5.14
Low-level	North?	526241	Grab	1.84	372	1.96	7.01	22.74
	No. 6	526239	Grab	0.565	528	1.52	8.66	50.55
	No. 6	526238	1.1	0.83	683	0.78	0.4	40.5
	Snowdrift	29886	Grab	2.49	534	2.16	0.46	47

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 (± highly vesicular volcanic) rocks” (Blackburn, 2009). It is important to note that mineralization is post-main deformation; *i.e.*, veins crosscut the main foliation, therefore a spatial zonation based on the nature of the host rock is delicate, since these units were already deformed prior to vein emplacement. Nicholson (2011), also states that the mineralization is concentrated where D_3 (220N/87°NE) veins intersect D_2 (358N/81°E) structures. D_4 event is also responsible for a potential second mineralizing event or remobilization of D_3-related mineralization.

In 2009 the 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, upon revisiting the property, in culmination with data collected to date, an intermediate-sulphidation epithermal model appears to most accurately fit. Intermediate-sulphidation deposits are

often 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 is 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 McKay Hill 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, mapped stratigraphic offset between the southern part of the McKay and Independence ridges can be explained by a kilometer-scale fault with a dextral component running north-northwest-south southeast whereby the volcanic package (a favourable host for mineralized veins on McKay ridge), would extend east-southeast of the Independence ridge historic trench area and could represent a prospective area to host the eastern extension of the McKay Hill mineralized system.

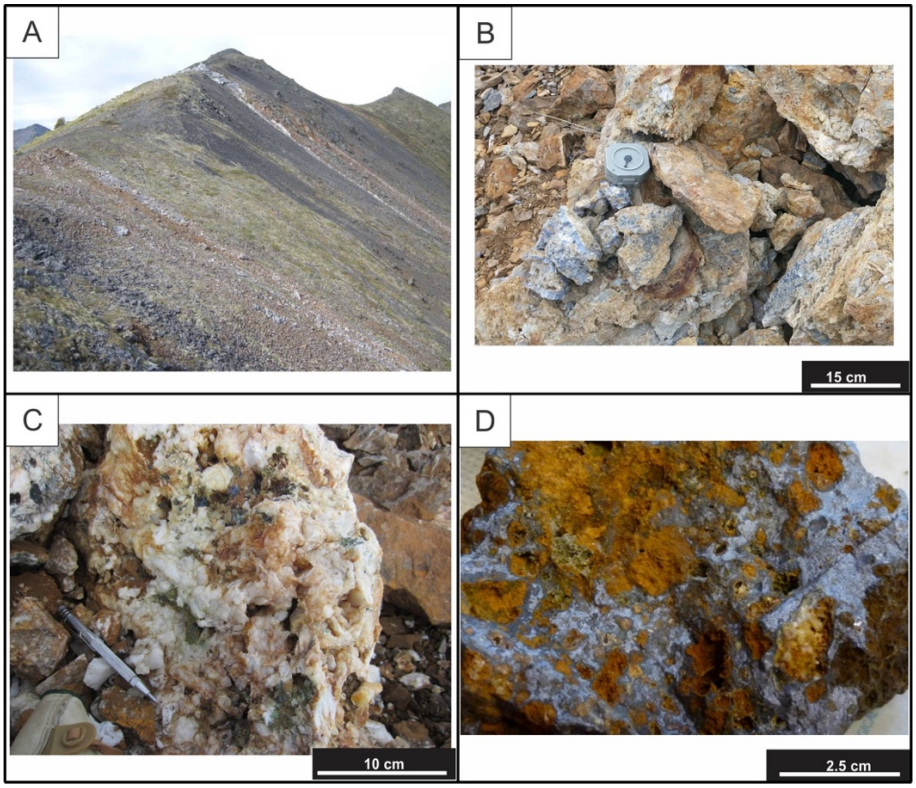


Photo-plate 3. (A) McKay Hill ridge mineralized vein occurrences (3 of 20), looking north-northwest (M. Bindig, from Blackburn, 2009); (B) Massive galena ± sulfosalts with weak banding (parallel to vein walls?) in historic trench at Independence Hill @ E482963/N7135786; (C) No. 4 vein consisting in quartz-azurite-scorodite-malachite-limonite, approx. 3 meter-wide where photo was taken @ E481377/N7135971; (D) Replacement type galena vein in conglomerate (Blackburn, 2009).

5 2017 Work Program

The 2017 exploration program was completed from June 21st, July 10-14th and October 1st-2nd 2017 and included satellite imagery data collection, mapping (1:250- to 1:30,000-scale) and prospecting, exposing the No. 6 vein via hand-pitting, soil sampling and subsequent claim staking. The work comprised of two exploration campaigns, the first totaled of 22-man days and the second 4-man days staking and 4-man days soil sampling. A total of $66,6919.94 was spent during the July program and another $24,061.32 in October which included prospecting and soil sampling, as well as production of an orthophoto from the satellite imagery data collected earlier in the year.

In summary, the exploration program included:

- 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; and
- subsequent staking the Snoose 91-116 claims.

Additionally, on July 20th the central claim area of the property was visited by Yukon Geological Survey (YGS) geologists Lara Lewis and Derek Torgerson who were accompanied by the author.

5.1 Stereo Satellite (Orthophotography) Imagery

In August 2017, Photosat Information Ltd. produced a 50 cm per pixel resolution colour orthophoto of 100 km^2 covering the McKay Hill property. This orthophoto was produced from a series of 50 cm pixel resolution WorldView-3 satellite photos acquired on August 10, 2017.

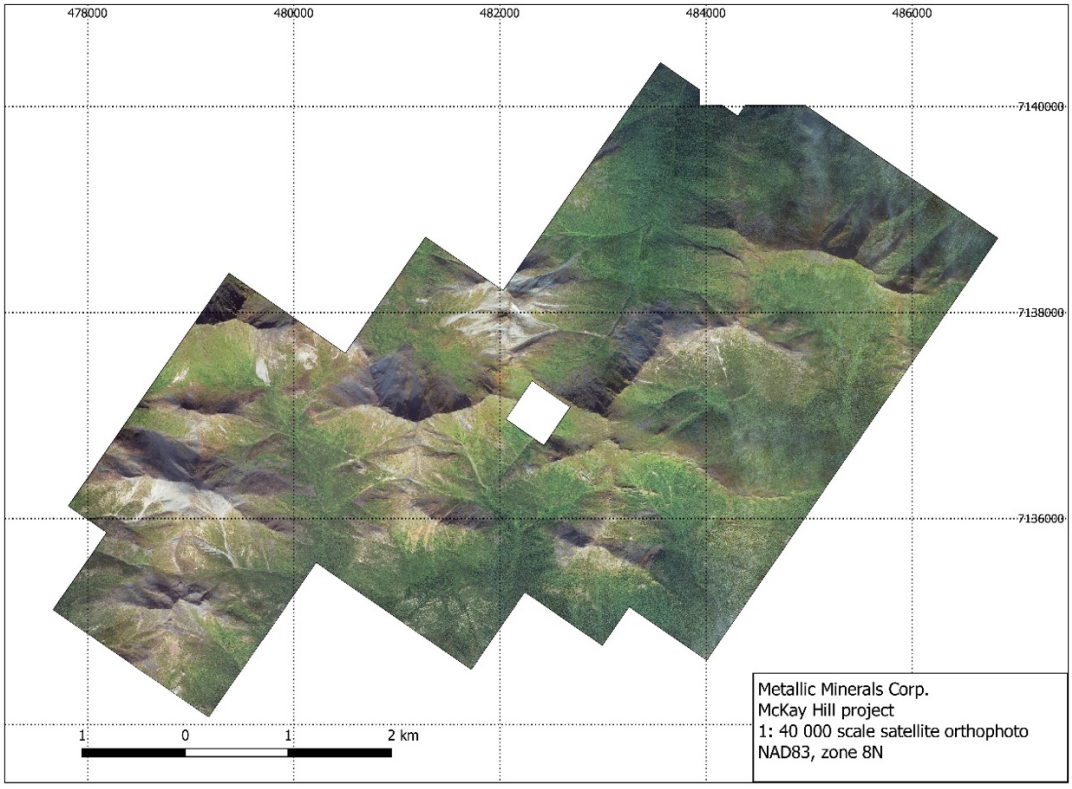
Satellite photos were acquired with the goal of detecting orange-coloured alteration zones and white quartz veins typical of McKay Hill, and compliment the lineament study which was completed pre-field work. These photos also make possible the generation of a 3-m elevation grid of the visible earth surface (DEM/DSM) in the area.

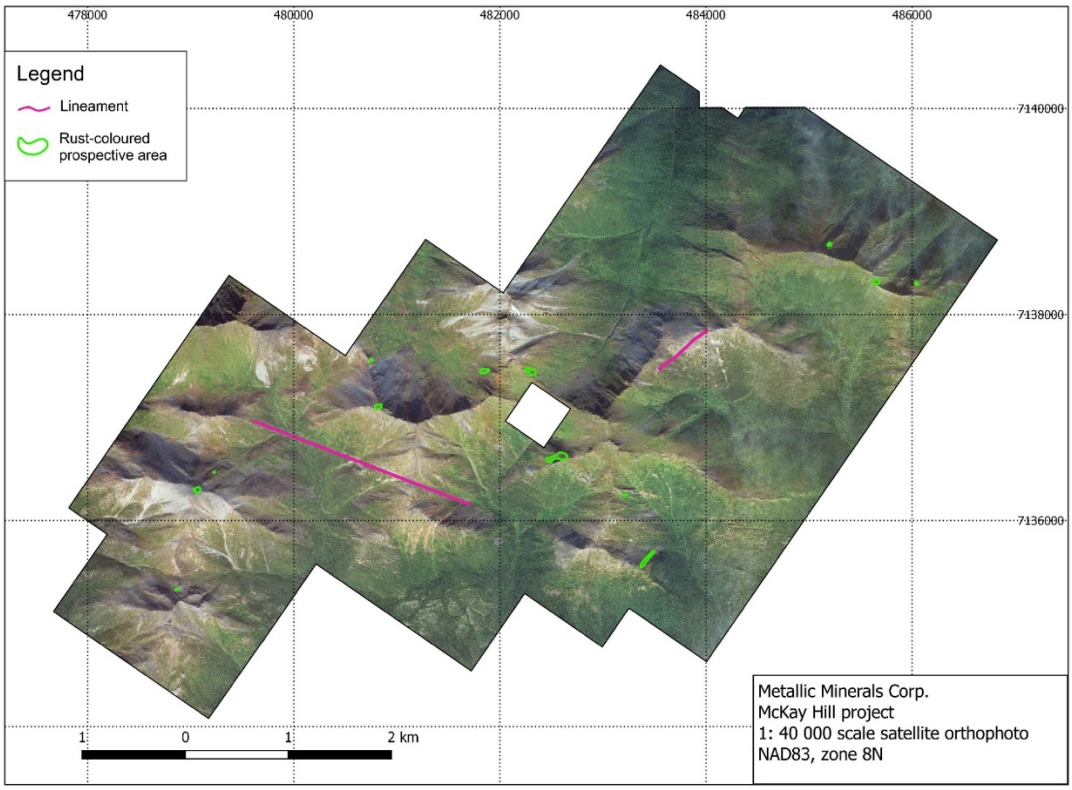
5.1.1. Imagery - Results & Interpretation

At time of writing, initial interpretation of the data outlines a strong lineament oriented northwest-southeast sitting between the No. 9 and Bella veins (refer to *Figures 9A* & *B*, following page). On the ridge, the lineament has been mapped as a contact between gunmetal slate and volcaniclastics oriented 115N/63°SW but, based on the photo, this lineament seems to extend along strike into the gunmetal slate unit.

Several unmapped areas on the property with orange-coloured rocks are visible on the orthophotos. These rocks represent potential target areas as their colour could be caused by Fe-carbonate alteration similar to host rocks in the footwall and hanging wall of the known veins of the McKay Hill showing. When superposed with the aeromagnetic data acquired in 2011, the high resolution orthophotos highlight 5 zones of characteristic orange-coloured rocks (potentially due to pervasive iron carbonate alteration of a volcanic-derived host rock) located in an interpreted favourable mag anomaly area, *i.e.*, in a transitional zone from high to low mag (refer to *Figure 9B*, following page).

Figure 9 (A, B). Satellite imagery of the McKay Hill property[3]





B) Same as A, with highlighted lineaments and prospective looking zones.

[3] From Photosat Information Ltd., *50 cm per pixel*

5.1.2. Imagery - Recommendations

After initial review of the newly acquired data and preliminary integration with the historical mapping and sampling database as well as with the geophysical data, a series of potential targets and areas to field test were produced.

It is recommended to map in greater detail the main lineament outlined on the orthophotos between the Bella and No. 9 vein. In the scenario where this lineament turns out to be generating late offset, this could have major implications in projecting mineralization towards Independence Hill. It is also recommended to do field checks of the anomalous areas highlighted by both the orthophoto and the SkyTEM reduced-to-pole aeromagnetic data. Further work on the data is required to further delineate and prioritize the targets presented in this preliminary report.

5.2 Mapping (1:250 to 1:30,000-scale)

MMG staff and management made an initial one-day property visit on July 10, 2017 which allowed for the MMG geologists new to the project to get familiar with the area and mineralized showings. Following this site visit, it was decided that mapping activities should be focused on:

- 1:30,000 property-scale mapping of the area comprising the Sullivan, McKay and Independence summits, assess to the level of structural deformation affecting the central claim zone and project prospective lithological units outside of the current claim block.
- McKay Hill Zone: detailed mapping, delineation of the No. 6 vein with focus on extending the known vein zone to delineate potential trenching and drilling targets.
- 1:2500-scale mapping of the cirque to the east of McKay Hill to further extend the previous lithological map by Blackburn (2009) as well as to prospect for potential vein traces down slope from the known occurrences.
- Independence Hill Zone: trench mapping at 1:750-scale to highlight meter-scale control and variations on the attitude of the veins as well as to verify the extent and nature of the alteration halo around the veins. Characterize the mineralization encountered in the area in comparison with the McKay Hill veins as well as to delineate the extent of the boiling zone identified on the July 9th visit.

5.2.1 1:30,000 Property-scale Mapping – Results & Interpretation

Three days of mapping the Sullivan, McKay and Independence Hill areas was undertaken to characterize the regional structural setting of the McKay Hill property (refer to *Figure 6*, § 3.2 of this report for two 1:30,000-scale interpretations and following page, *Figure 10*, for preliminary 1:50,000-scale map of the McKay Hill Property). These north-south traverses were done along ridgelines and a 1:50,000-scale map of the area was created. A product of this work was the grouping of host stratigraphy earlier described in Blackburn (2009) into seven packages (refer to *Table 4*., page 27). Stratigraphy correlates well across the Sullivan and McKay Hill ridges, and along the northern portion of the Independence Hill ridge.

Figure 10. Preliminary 1:50,000-scale map of the McKay Hill property

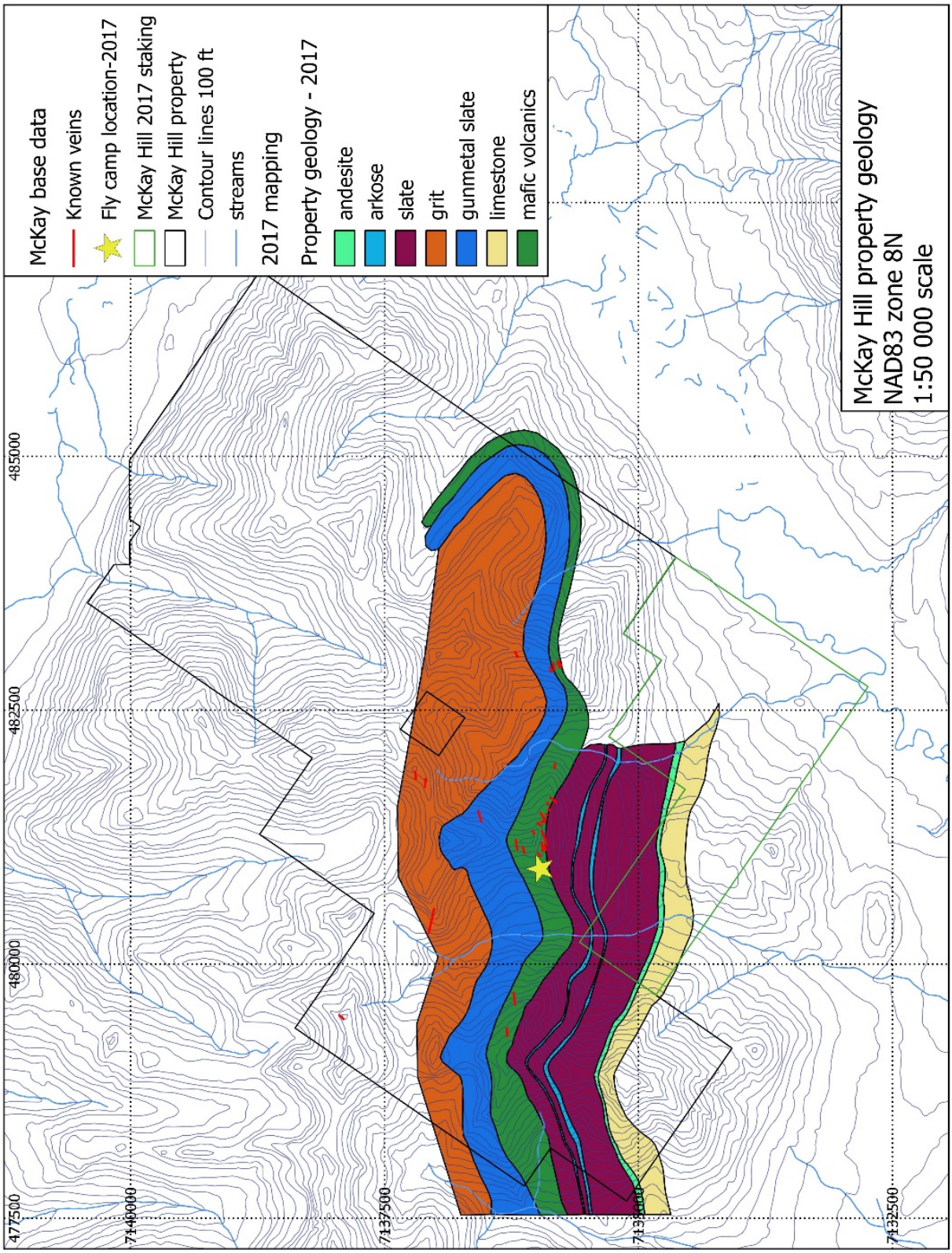


Table 4. Property-scale Lithological Units

Unit	Description
Limestone	Very fine crystalline, dark grey-black, pale grey weathering, massive to finely laminated
Andesite	Fine crystalline, phyric, dark forest green, chlorite-plagioclase-bearing andesite
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
Mafic volcanics	Package of variably calcareous volcanics (basalt, andesite?) and calcareous conglomerates with interbedded slate
Gunmetal slate	Dark gunmetal blue, very fine grained, very fissile slate
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

Property 1:50,000-scale mapping outlined a correlation between the mineralized veins and the mafic-intermediate hypabyssal volcanic rocks[4]. This correlation further demonstrates the importance of understanding where McKay Hill sits within the regional package (*i.e.*, Marmot Gp., Dempster volcanics Vs. Hyland Gp., Yusezyu Fm) in order to project potential areas of interest. Fragmental units mapped in the project area are mafic volcanic-dominated and it is of general consensus within the MMG geology team that they are likely volcaniclastics of the Dempster volcanics rather than part of the turbiditic clastic rocks of the Hyland Group as earlier suggested (Blackburn, 2010). Further geochemical analyses and, if possible, dating is required to place the McKay Hill property rocks in the regional stratigraphic column.

Abbott (1997) and Mamrol (2016) describe the Dempster volcanics (CO_v) as an unconstrained mafic volcanic alkalic rock formation of at least two different ages. Volcanic products mainly consist in flows (sometimes pillowed, refer to Photo-plate 4. C, following page) and associated breccias, gabbroic dikes and minor felsic rocks with no clear boundaries between flows. These volcanic rocks are currently interpreted to record episodic early Paleozoic magmatism along the northwestern margin of Laurentia (Mamrol, 2016).

[4] However, it is important to note that the highly prospective No. 6 vein (as currently traced) is hosted in volcaniclastic-conglomerate, re-worked volcanic tuff-agglomerate.

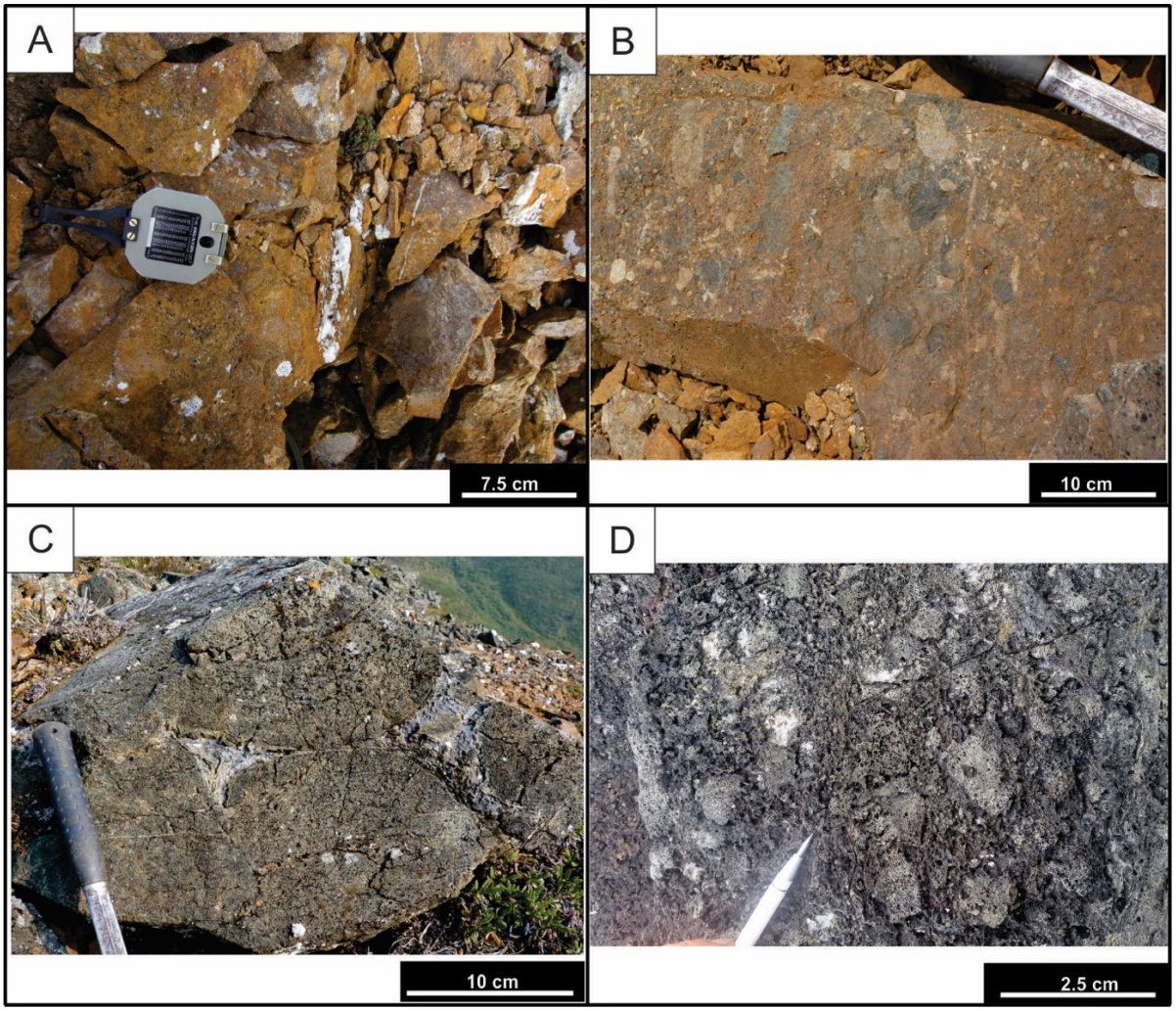


Photo-plate 4. (A) Pervasive Fe-carbonate and limonite alteration of mafic volcanic at No. 4 vein showing (compass points north) at E481377/N7135971; (B) Matrix-controlled Fe-carbonate and limonite alteration in conglomerates, from Blackburn (2009); (C) Pillowed basalts with calcite at selvage, from Blackburn (2009); (D) Close-up of calcite-rich volcaniclastic-agglomerate (?) from the central claim area with abundant dissolution holes at surface.

The mapped stratigraphic offset between the southern part of the McKay and Independence ridges can be explained by a kilometer-scale fault with a dextral component running north-northwest – south-southeast and highlighted on the orthophoto (refer to *Figure 10*, page 26). In such a scenario, the volcanic package, a favourable host for mineralized veins on McKay ridge, would extend east-southeast of the Independence ridge historic trench area and could represent a prospective area to host the eastern extension of the McKay Hill mineralized system.

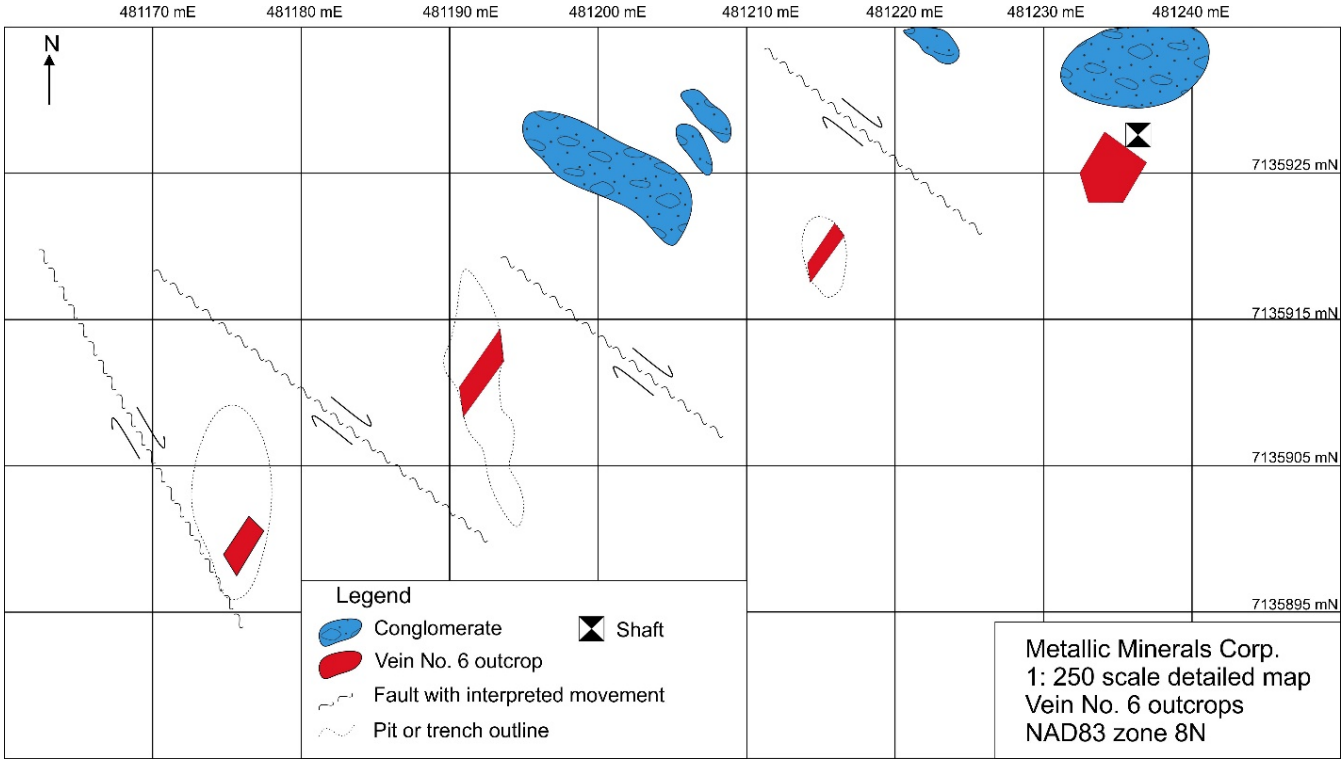
5.2.2 McKay Hill Zone, No. 6 Vein mapping (various scales) - Results & Interpretation

At present, the most prospective showing on the project is the No. 6 vein which is centered within the historic workings where numerous hand-pits, trenches and an adit explore it. In 1949, East Bay Mining Ltd. shipped 143 tonnes of ore from the No. 6 vein with an average grade of 390.9 g/t Ag and 74.1 % Pb (Green, 1972). According to Cockfield (1924), the No. 6 '*an open-cut has exposed a mass of galena, 12 feet 6 inches wide. The strike on the hanging wall side is north 30 degrees east and on the footwall its north (i.e., RHR strike 000°-030°*) *both walls being approximately vertical'.* However, data from Cominco,

cited by Pautler (2009), established the orientation of the No. 6 vein at near vertical(?), striking 063°-243°. Here the mineralization is hosted in volcaniclastic-conglomerate and re-worked volcanic tuff-agglomerates with indistinct boundaries. The mineralization largely replaces the framework (and/or matrix) of the permeable unit, particularly in the hanging wall.

One of the main objectives of the 2017 program was to obtain an orientation of the No. 6 vein and, if possible, extend the strike-length via gophering (*i.e.*, digging pits while tracking the highest elevation float) to the southwest where higher-grade float, grab samples were previously collected. For this reason, MMG spent two-man days exposing the No. 6 vein at the historic adit, to obtain attitude and true width. At the adit, it was successfully exposed as a 10-foot^{+}-wide vein segment oriented ~030°N/80° (refer to *Figure 11*, below). There, the internal zonation of the No. 6 vein was measured as 245°N/77° (refer to *Photo-plate 5.D*, page 33) which approximates Cominco's data. To the southwest in a neighbouring historic pit, a 029°N/78° orientation was obtained for the No. 6 vein. Following the No. 6 vein to the west, a series of ~330°N(?)-oriented faults of unknown dip were observed with apparent dextral movement (refer to *Figure 11*, below). These structures are post-mineralization in timing and offset the No. 6 vein at the metre scale. The combination of closely spaced ~330°N(?)-oriented dextral faults and a vein attitude of 030°N/steep results in an overall 065°-245°N vein trend. The 35° difference between the vein trend and the actual strike of the vein could potentially explain why follow-up drilling in the 1920's was unsuccessful.

Figure 11. 1:250-scale mapping of the No. 6 Vein – Historic Workings Area*



*The above detailed sketch of the different outcropping exposures of the No. 6 vein show a general 065°-245°N vein trend resulting from an actual 030°-035°N vein orientation affected by closely spaced, ~330°N (?)-oriented minor dextral faults.

It was previously anticipated that a No. 6 vein extension would project to the southwest, however, the series of dextral faults are presumed to repeat, offsetting the vein to the northwest. As a result, the MMG personnel gophered (*i.e.*, digging hand pits) along the hillside further to the west (*i.e.*, uphill). Via

this method, the No. 6-type vein material was exposed as far as E480957/N7136003, where it may intersect the North vein (?; refer to *Table 5.*, below). The (historic) No. 4 vein, which is located to the northeast, was also inspected (at ~E481377/N7135967). Pautler (2008) suspected that this vein may actually represent the No. 6 vein northeast extension. MMG personnel were able to verify based on presence of float, textural and mineralogical properties that it is indeed the northeast extension of the No. 6 vein with a measured orientation of 030°N/75°. As a product of following float-trains, prospecting uphill and gophering along the hillside, the No. 6 vein which previously had a 168-m strike-length, now has a (to be tested) 467 m strike-length (refer to *Figure 7*, page 19). Overall, the veins are oriented roughly 030° and are steeply dipping, cut by a series of dextral faults, giving it an overall trend of 065°-245°N. Current program planning for 2018 is scheduled to test this target in multiple areas.

Table 5. No. 6 Vein Extensions & Associated 2017 geochemical results[5]

Location	Easting	Northing	Sample	Ag (g/t)	Note
Original No. 6 NE	481318	7135954			NE historic extent, exposed in historic 'Trench-A'
Original No. 6 SW	481160	7135892			SW historic extent, exposed in historic 'Trench-G'
1st West extension	481165	7135923	1907516*	297	Offset northwest uphill by ~33m, sample collected from float just downhill
2nd West extension	481070	7135915	1907517	988	Additional ~95 m of strike length, also reported 24.4 g/t Au
3rd West extension	480957	7136001	1907518	442	Additional ~142 m of strike length, intersection of North-vein (?).
Extension to NE	481377	7135967			Historic 'No. 4' vein, now interpreted to be No. 6 vein NE extension

*Sample collected from float downhill at E481152/7135904.

5.2.3 McKay Hill East, 1:2,500-scale Mapping - Results & Interpretation

Mapping of the McKay Hill ridge was planned to build on previous work done by Pautler (2007-2008), Blackburn (2009-2010) and various Monster Mining staff (2010). Earlier programs, in particular Pautler (2007, 2008) and Blackburn (2009), sampled veins and mapped locations of historic trenches. It was for this reason that MMG focused on assessing veins and trenches at lower elevations outside of Blackburn's (2009) mapping area. One and a half man-days were spent mapping and documenting the area to the east of the authors' 2009 mapping.

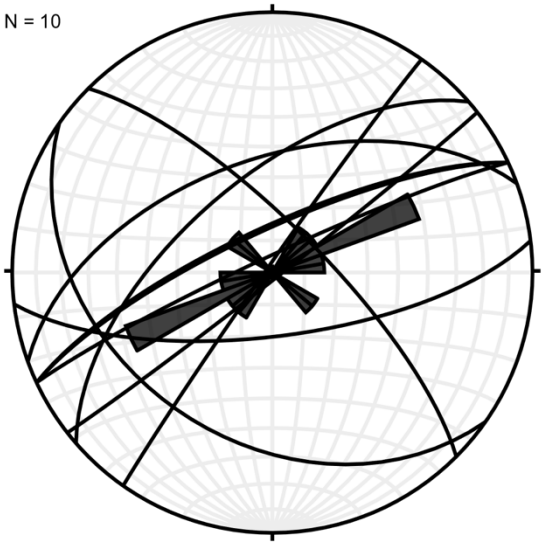
Ten mineralized vein orientations were measured on the McKay Hill ridge and outline a strong trend oriented 061°-070°N (refer to *Table 6.*, and *Figure 12*, following page). This newly acquired data confirms the robustness of the mean orientation of the mineralized trend at the McKay Hill ridge-scale. However, as aforementioned, the 2017 findings on the No. 6 vein highlight multiple dextral offsets from ~330°N(?)-oriented faults at the meter-scale (see previous section). When possible, known vein attitudes were measured at the ridge and most of them returned values along the 063°-243°N trend previously established by Cominco. Strike and dip measured for the Blackhawk vein in this study differ from previous studies, which could represent post-D_3 remobilization along the late ~330°N(?)-oriented apparently dextral faults identified on the western side of the ridge.

[5] For all geochemical rock results, refer to § 5.3 of this report, *Table 7*. 2017 Rock Samples & Results

Table 6. Vein attitudes - Historical (from Pautler, 2008) and Current (Blackburn, 2009 and this study)

Vein name	Strike (historical)	Dip (historical)	Strike Current	Dip Current	Northing/Easting NAD83 zone 08
Blackhawk	055°-060°	50°-80°SE	315°-345°	70-75°NE	E481607 / N7135834
Blackhawk West	075°?		045°	Unknown	E481581 / N7135890
Blackhawk East	Unknown				E481952 / N7135822
Snowdrift	210°	70°NW	065°-245°		E481465 / N7135938
Snowdrift Ext.			250°N	80°NNW	E483056 / N7136202
No. 1	NE				E481519 / N7135882
No. 1 West	NE				E481472 / N7135905
No. 2	N				E481410 / N7135930
No. 3	010°	Unknown			E481403 / N7135953
No. 4* (= No. 6)	030°	75°SE	030°-080°	70-75°S-SE	E481377 / N7135967
No. 6	063°	Unknown	030°	Near vertical	E481277 / N7135939
No. 7	045°-078°	75°SE	250°	54°NNW	E481070 / N7135972
No. 8	085°	SE			E481139 / N7136132
No. 9	075°-090°	SSE			E481155 / N7136196
North	085°	Unknown			E481159 / N7135950
Bella	080°	60°S			E481419 / N7136554
Red 1	095°	45°S			E481856 / N7137189
Red 2	095°	Unknown			E481767 / N7137098
Falls	260°	35°NNW			E480541 / N7137012

*The No. 4 vein is now interpreted to represent the NE extent of the No. 6 vein. The overall trend of the No. 6 vein is ~063° or 243° and steeply dipping to the north-northwest.



The veins observed to date are briefly characterized in *Table 7* (following page) which summarizes each vein encountered in the McKay Hill Zone. Silver : gold ratios are based on very limited data[6] and might not be representative of the overall vein chemistry two clear populations are defined, a silver-rich and a gold-rich. The gold-rich population is represented by veins No. 8, No. 9 and Snowdrift (*Figure 7*, page 19) and does not seem to be correlated to galena and sulphide content. Further geochemical work with a larger database is required to determine if the absence of correlation would still hold.

Figure 12. Equal area projection stereonet with vein orientations observed*

[6] Sample values reported in italics are from a single sample. *mean orientation between 060°-070°.

Table 7. Vein Summary[7]

Vein	Host rock	Alteration	Sulphides and oxides	Gangue mineralogy and vein texture	Ag/Au ratio
Blackhawk	Basalt/andesite or intrusive equivalent	Silica-rich	Galena-malachite-azurite ± scorodite, freibergite	Vuggy, with anhedral quartz with rare <5 mm veinlets of copper oxides. Transparent euhedral quartz filling vugs	423
Snowdrift	Grit	Proximal iron-carbonate, distal silica-rich	Scorodite-malachite-azurite ± tenorite	Vuggy quartz, with both transparent euhedral quartz and anhedral milky white quartz	51
No. 2	Andesite	Iron-carbonate	30-40% euhedral galena ± tetrahedrite	Anhedral quartz with semi-massive galena and trace copper oxides	4481
No. 3	Calcite-rich grit	Carbonate (?)	Galena 3-5% and limonite (3-5%)	<3 cm pods of sulphides and oxides in quartz gangue	*60.4*
No. 4 (NE No. 6 extension)	Contact between grit and altered basalt	Strong iron-carbonate alteration in both units	Galena-sphalerite-jarosite-azurite-malachite-scorodite	Zoned vein, from barren quartz to base-metal with Cu-O at the centre	1109
No. 6	Conglomerate, re-worked volcanic tuff ± basalt	Weak to moderate pervasive iron carbonate alteration	Galena (>30%)-tetrahedrite and limonite	Quartz. Zonation perpendicular to vein walls from quartz to massive galena at the centre	140
No. 7	Gabbro		Barren	Milky quartz	*40*
No. 8	Basalt (juvenile)/gabbro	Potential chrysocolla observed	Galena (>30%)-tetrahedrite-malachite	Semi-massive sulphides	98.9
No. 9	Contact between slate and andesite		Scorodite-azurite-malachite	Quartz	571
Bella	Slate	Fracture-controlled iron-carbonate alteration	Galena (<20 %)-malachite-azurite-limonite	Massive quartz vein with common <2 cm euhedral galena crystals and rare azurite-limonite.	187

Mapping of the cirque to the east of the McKay Hill mineral occurrences (refer to *Figure 7*, page 19) extended the previously mapped (Blackburn, 2009) slate, andesite and basalt units with minor variations overall in strike direction. In general, the mapping area is composed of mafic to intermediate volcanics with various levels of carbonate alteration (refer to Photo-plate 4. A & B, page 28) intercalated with slate packages (less than 75 meters in apparent thickness). Coherent facies consist in massive to pillowed aphanitic to microporphyric flows (refer to Photo-plate 4. C, page 28). Fragmental units occur in the SE corner of the mapped area and consist in variously iron-carbonate altered conglomerates and

[7] Compiled from Pautler (2008), Blackburn (2009) and this study. *All numbers in italics are based on one sample.*

what has been referred to as grit in previous reports (Blackburn, 2009). Conglomerates are mafic volcanic-dominated, with subrounded to angular <20 cm clasts (refer to Photo-plate 4. B, page 28) and the grit is poorly sorted (fragments from <1 to 40 cm in size) and extremely calcite-rich (refer to Photo-plate 4. D, page 28). The abundance of calcite in grit could be caused by either pervasive carbonate-alteration of an initially porous unit or could correspond to the initial composition of the rock. Graded beds and channels were identified in volcanic-dominated conglomerates, with a fining upwards direction to the north (refer to Photo-plate 5., A & B, below). Foliation striking mainly east-west and dipping south implies that the stratigraphy on the McKay Hill ridge is overturned. In any case, this younging direction is based on a single polarity indicator, which can be misleading and additional field evidence is required to determine the younging direction with more certainty. Faults with dextral and sinistral meter-scale displacement have also been mapped in the slate, basalt and conglomerate units (refer to Photo-plate 5. C, below), confirming observations made through the detailed mapping of the No. 6 vein this year.

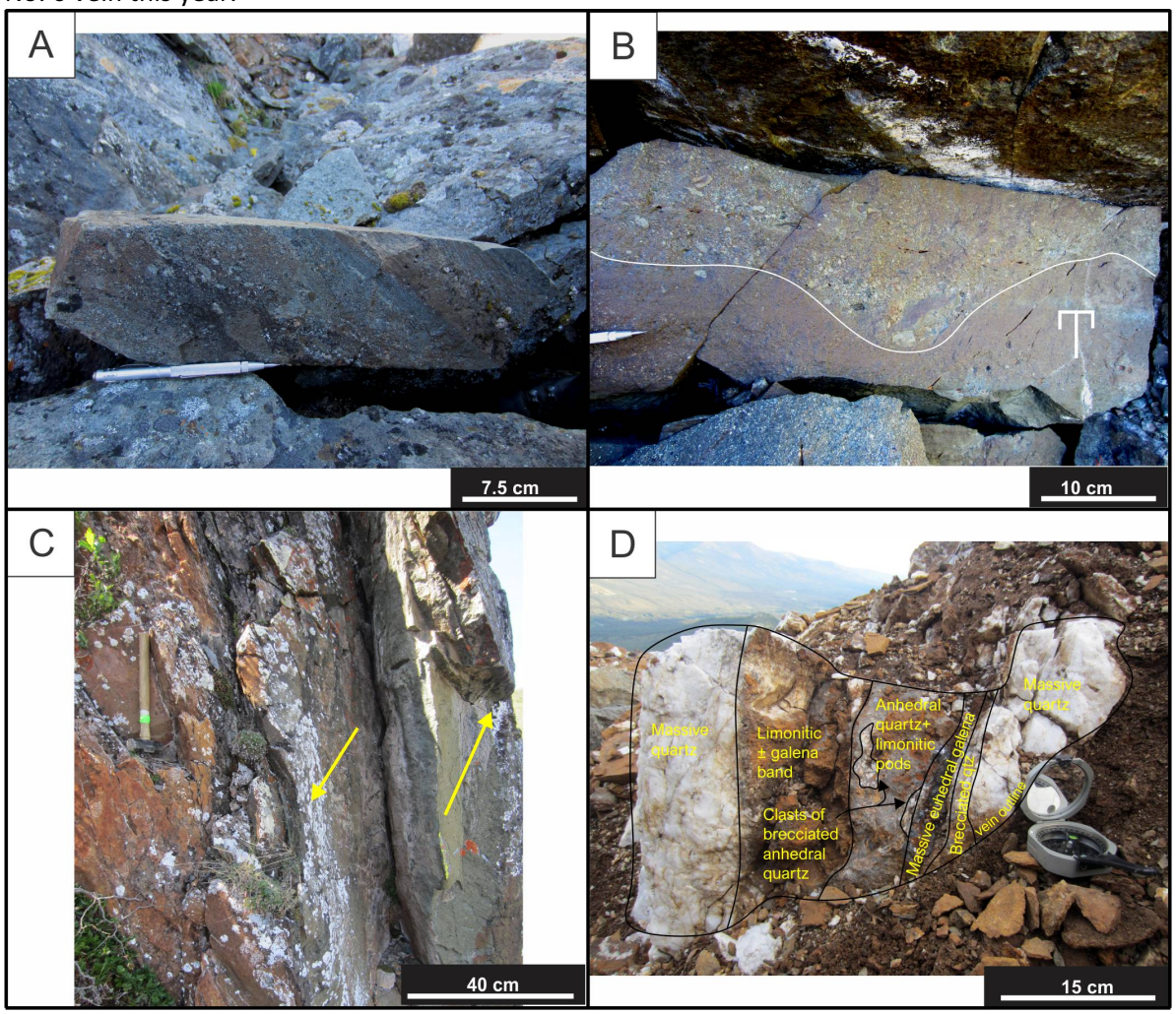


Photo-plate 5. (A) Float of graded mass flow (pyroclastic flow, surge or fall?) mafic volcanics showing fining towards the right of the photo, McKay ridge area at E481552/N7135972; (B) Subcrop with erosional channel in conglomerate or volcaniclastic product with approximate younging to the north at E481492/N7135978; (C) Sub-vertical fault oriented 330°N with mainly sinistral motion with moderate to strong pervasive Fe-carbonate alteration in the footwall, apparently weak to absent alteration in the hanging wall (looking 330°N at E481302/N7136085; (D) Vein No. 6 exposure with zonation from barren to massive euhedral galena at center, looking 205°N at E481239/N7135922.

5.2.4 Independence Hill Zone, 1:750-scale Mapping - Results & Interpretation

On the Independence Hill Zone field work built on previous structural mapping by Nicholson (2010) and the emphasis was put on characterizing the extent and nature of the silica-Fe-carbonate- rich zone with boiling textures, and to sample this area to assess its economic potential. One day was spent mapping the trenches around the Independence Hill area. Lithologies mapped consist in mafic volcanics of coherent and volcaniclastic facies (based on classification by White and Houghton, 2006) intercalated with slate (refer to *Figure 8*, page 20).

Corridors of iron-carbonate alteration are present but with no visible associated mineralization. An area of approximately 1135 m^2 of strongly altered (mafic?) protolith with boiling textures hosting a series of north-northwest – south-southeast oriented historical trenches was observed. Colloform and cockade textures are abundant and rocks show evidence of multiple brecciation events, which is interpreted from the presence of breccia clasts within the breccia (Photo-plate 6. A & B, below). This boiling zone is subdivided into a carbonate-limonite zone to the west and a silica zone to the east (refer to *Figure 8*, page 20). Both groups have been sampled and returned trace precious metal values. The boiling zone is bound to the north and south by a slate package, but remains open to the east and west, where outcrop exposure is poor. Another set of historical trenches less than 100 metres to the north contain vein material of massive galena hosted in a strongly iron-carbonate altered (mafic?) protolith (Photo-plate 3. B, page 21).

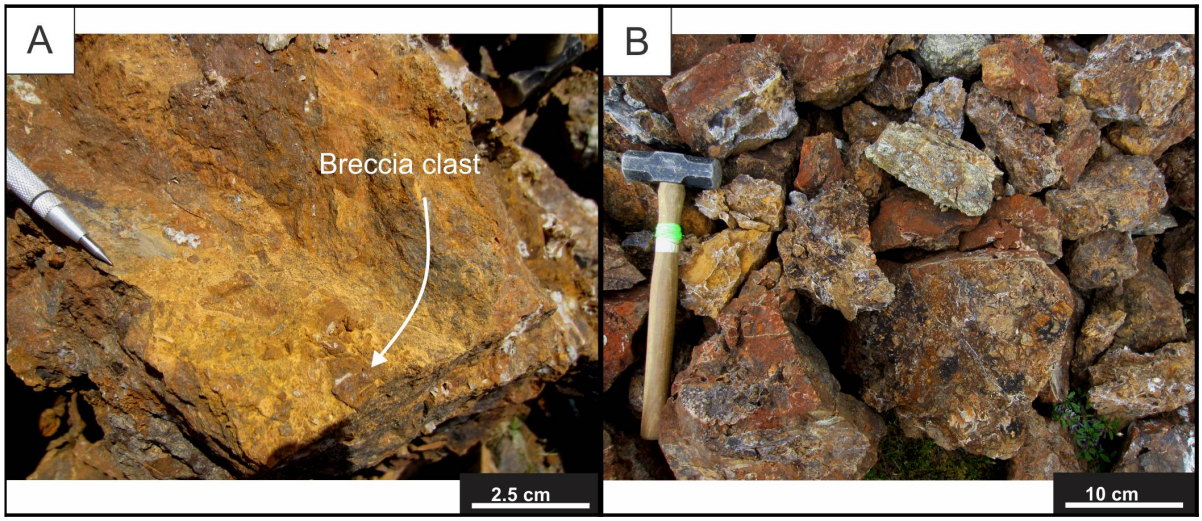


Photo-plate 6. (A) Angular boulder from historical trench on Independence Hill of matrix-supported breccia with angular breccia clasts (multiple brecciation events) at E482932 / N7135780; (B) Float from historical trench on Independence Hill of iron-carbonate altered volcanics (?) with cockade, colloform and brecciated textures and saccharoidal quartz veins, at E482917 / N7135771.

5.3 Prospecting

Five days of prospecting took place during the July-October period. Ground truthing and sampling of rusty-coloured patches of ground which were spotted from the fly-camp or helicopter took place in the Sullivan, McKay and Independence Hill areas (refer to *Figure 13*, following page). A total of 23 rock samples were collected from the McKay Hill and Independence Hill Zones by MMG during the 2017 field season and sent in for geochemical analysis to Bureau Veritas. Results are reported in *Table 8* (following page), highly-anomalous samples are in bold (refer to *Figures 14-19*, pages 37-39 for maps illustrating geochemical results).

Figure 13. 2017 Prospecting Traverses & Rock Sample Locations

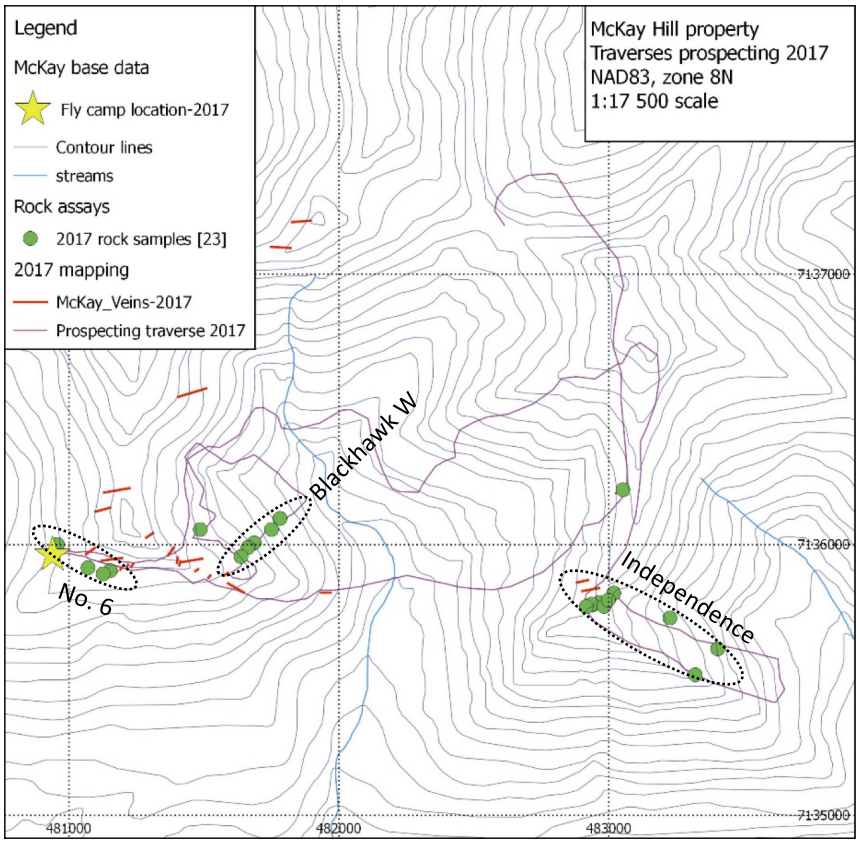


Table 8. Summary of 2017 Rock Samples & Results

Zone	Vein	Sample	Easting	Northing	Ag (g/t)	Au (g/t)	Pb %	Zn %	Cu %	As (ppm)
McKay Hill Zone	No. 6	1907516	481152	7135904	**297**	0.2709	**34.13**	**30.84**	0.814	145.2
	No. 6	1907517	481070	7135915	**988**	**24.4**	**37.74**	**3.71**	**7.971**	564.4
	No. 6	1907518	480957	7136001	**442**	0.6178	**43.87**	0.51	0.478	18.6
	No. 6	1907519	481126	7135892	**742**	**2.355**	**40.02**	**14.72**	**2.915**	647.9
	Snowdrift Ext?	113851	482963	7135786	3	0.0072	0.04	**5.2**	0.005	46.6
	Snowdrift Ext	113351	483052	7136203	80	0.2803	0.06	0.93	**3.4**	824.1
	Blackhawk West	113386	481781	7136097	**491**	0.0444	**78.73**	0.5592	0.68505	291.6
	Blackhawk West	113387	481781	7136097	36.2	**2.6382**	**12.38**	**13.03**	0.19491	847.5
	Blackhawk West	113388	481750	7136056	**111**	0.3159	**18.9**	**18.87**	0.20913	2767.3
	Blackhawk West	113389	481686	7136007	**212**	0.2807	**28.44**	**25.45**	0.29257	6712.9
	Blackhawk West	113390	481663	7135990	**919**	0.0032	**82.55**	**1.03**	0.04886	41.6
	Blackhawk West	113391	481637	7135956	**356**	0.2938	**67.93**	**3.37**	0.54686	2547.5
	Blackhawk West	113392	481486	7136056	**500**	0.1474	**65.05**	**4.01**	**1.06**	512.8
Independence Hill Zone	Independence	113852	483018	7135821	**706**	0.1776	**77.81**	0.38	**1.626**	506.5
	(Not vein)	113853	483018	7135821	3.3	0.0013	0.19313	0.0128	0.01058	75.7
	(Not vein)	114151	482938	7135776	1.7	0.0068	0.14968	0.4828	0.00667	44.2
	(Not vein)	114152	482936	7135780	0.6	0.002	0.02903	0.0294	0.0051	48.4
	(Not vein)	114153	482916	7135771	0.5	0.0021	0.06031	0.2155	0.0025	76.8
	(Not vein)	114154	482982	7135772	0.2	0.002	0.00779	0.0319	0.00542	6.7
	(Not vein)	114155	482998	7135795	0.1	0.0037	0.00804	0.0036	0.00087	1.2
	(Not vein)	113352	483320	7135519	0.4	0.0033	0.00174	0.011	0.02024	246.9
	(Not vein)	113353	483403	7135615	0.2	0.0029	0.00186	0.007	0.00847	138.2
	(Not vein)	113354	483226	7135729	0.05	0.0008	0.00021	0.0025	0.00083	1.8

The Blackhawk West was also followed along strike to the northeast (for ~300m) down slope, following a series of historical pits and trenches not previously mapped by Metallic Minerals. Seven float and subcrop samples (113386-113392) of vein material and mineralized conglomerate were collected and returned up to 919 g/t Ag (see *Table 8*, previous page and Appendix II-III for assay results & descriptions). The Blackhawk West vein was previously thought to be exposed in one historic trench (TR-O, Pautler, 2009) and to have an orientation of ~075°, however, float was traced on a 045°-trend. This was one of the most valuable finds in the 2017 field season and the area is deemed highly prospective and should be followed up on in 2018.

5.3.1. Rock Sampling – Geochemical Analysis

Twenty-three rock samples of vein material were collected from: the vein No. 6 (central claim area); silicified and/or carbonate-rich rocks with boiling textures from the Independence Ridge trenches; and float samples, primarily from the Blackhawk West area collected while prospecting, and sent in for geochemical analysis (refer to *Figure 13*, previous page and Appendices II-III). Samples were sent to Bureau Veritas in Whitehorse for assaying and multiple packages were used to properly evaluate the precious metal concentrations, from low to high grade. Sample preparation consisted of crushing 70% at 10 mesh and pulverize 250 g. 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 (≥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.

Preliminary interpretation of assay data available highlight an overall higher concentration of mobile major elements (K, Na, Ca) and lower metal content on the Independence ridge in comparison with samples taken from the central claim area.

Figure 14. Rock & Soil Chemistry - Ag

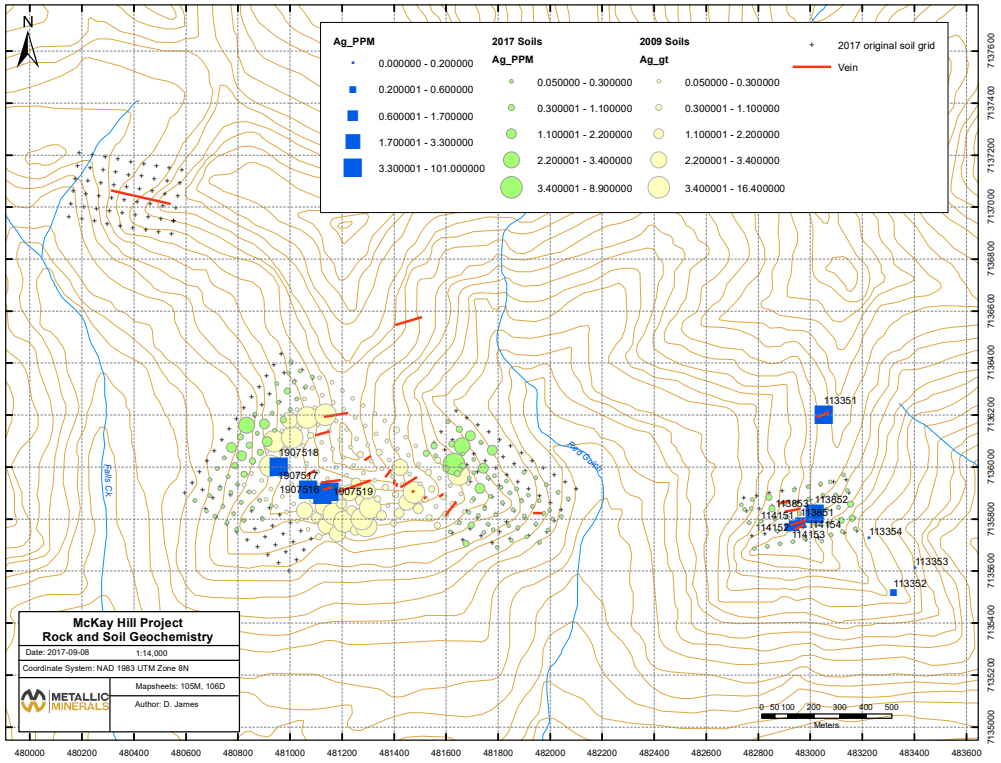


Figure 15. Rock & Soil Chemistry – Au

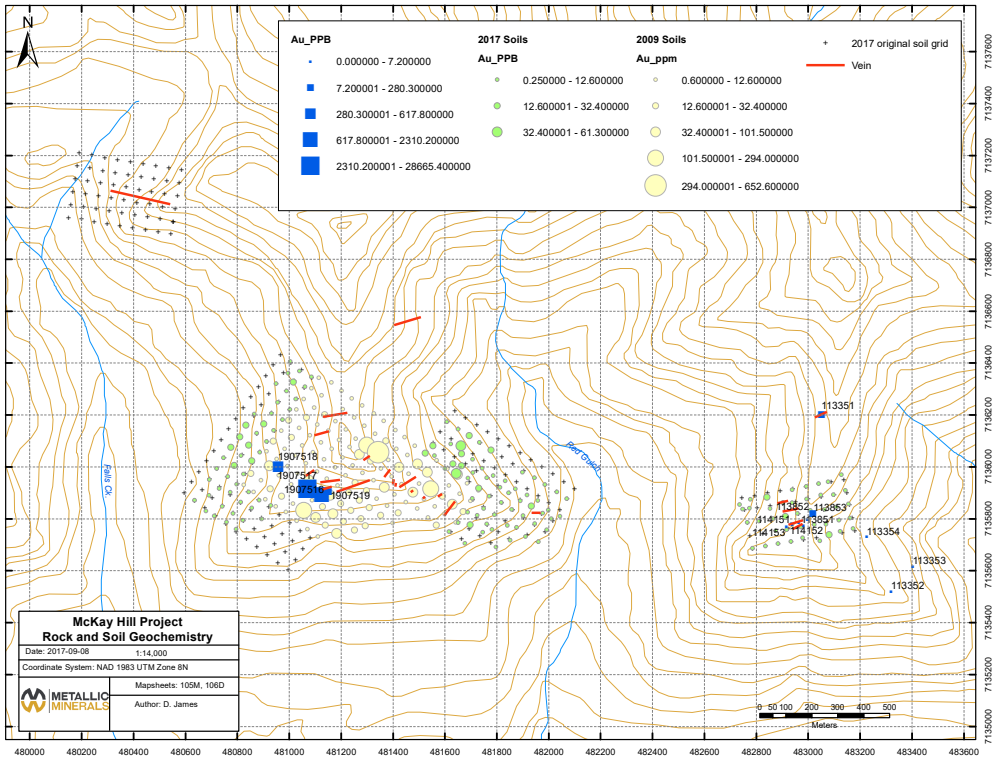


Figure 16. Rock & Soil Chemistry – Pb

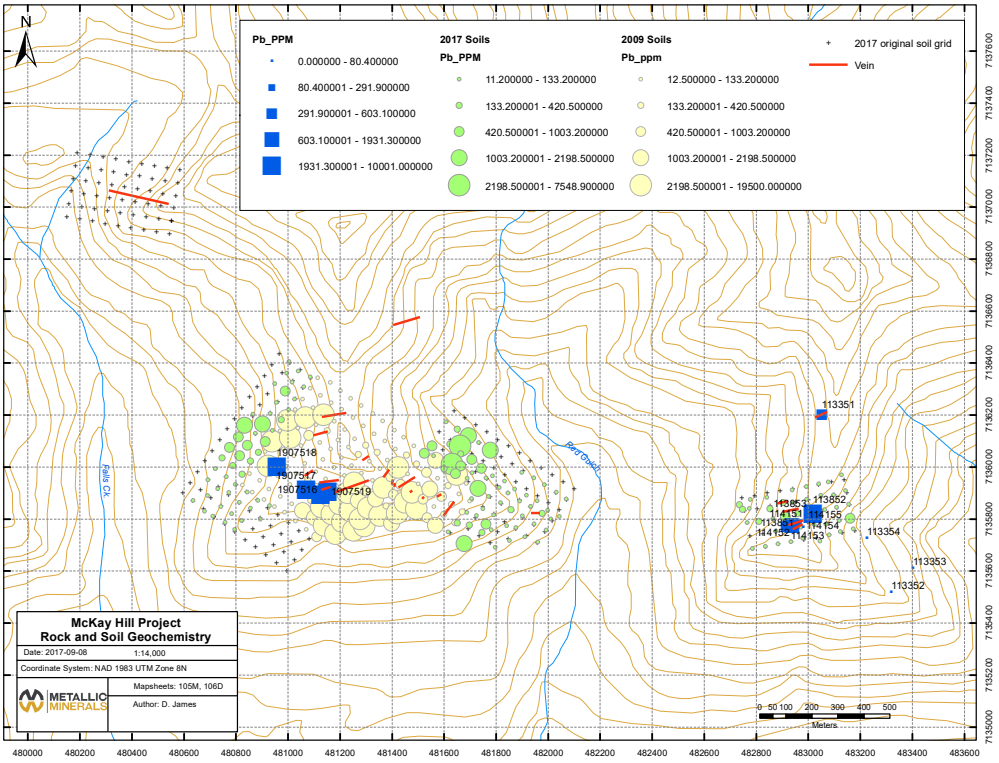


Figure 17. Rock & Soil Chemistry – Zn

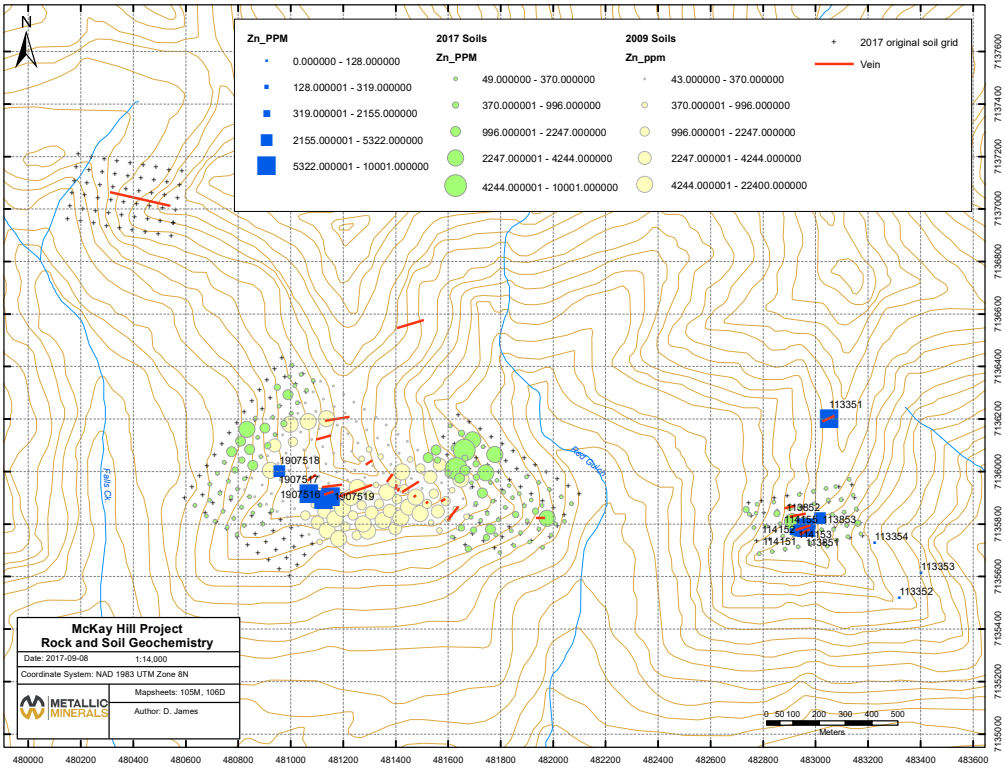


Figure 18. Rock & Soil Chemistry – Cu

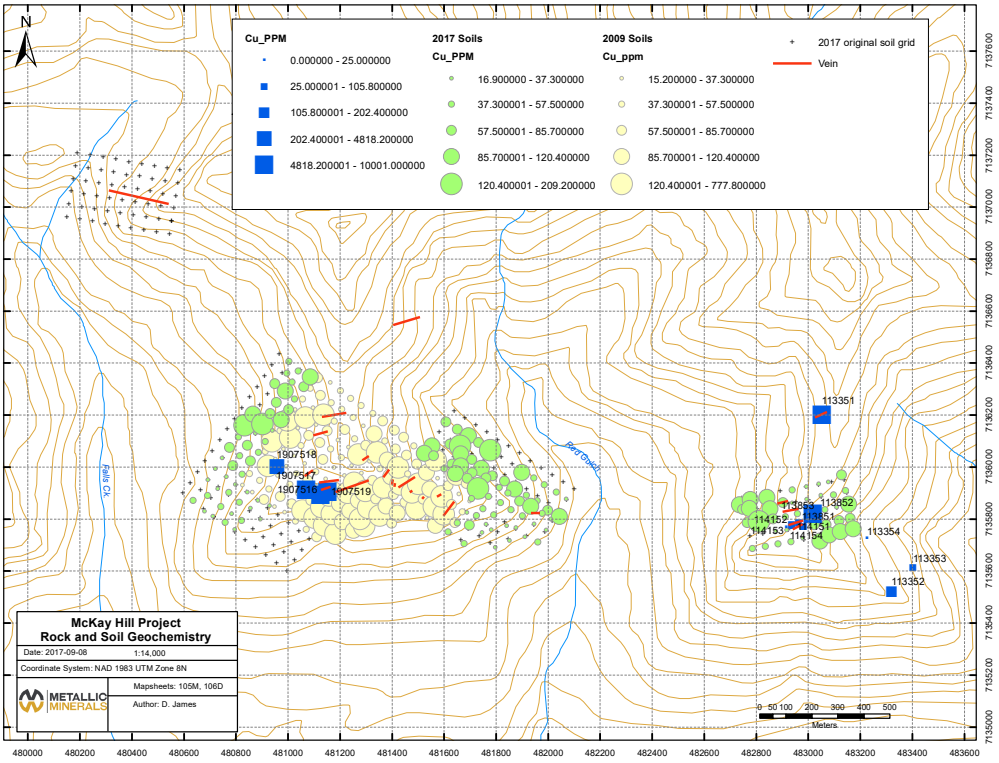
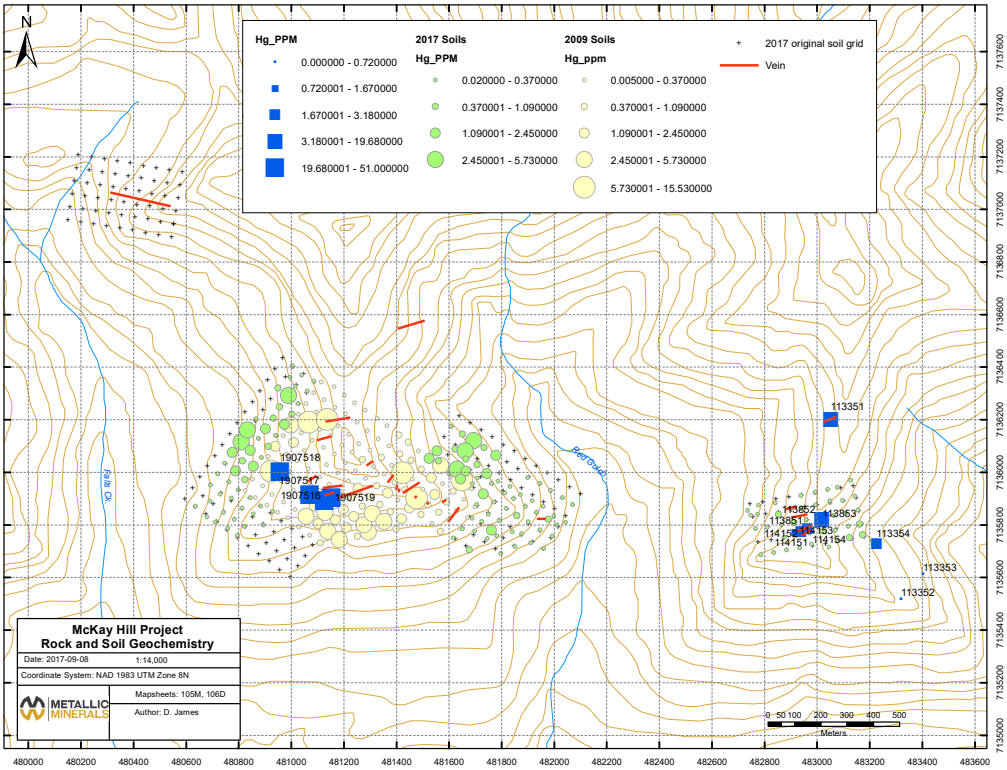


Figure 19. Rock & Soil Chemistry – Hg

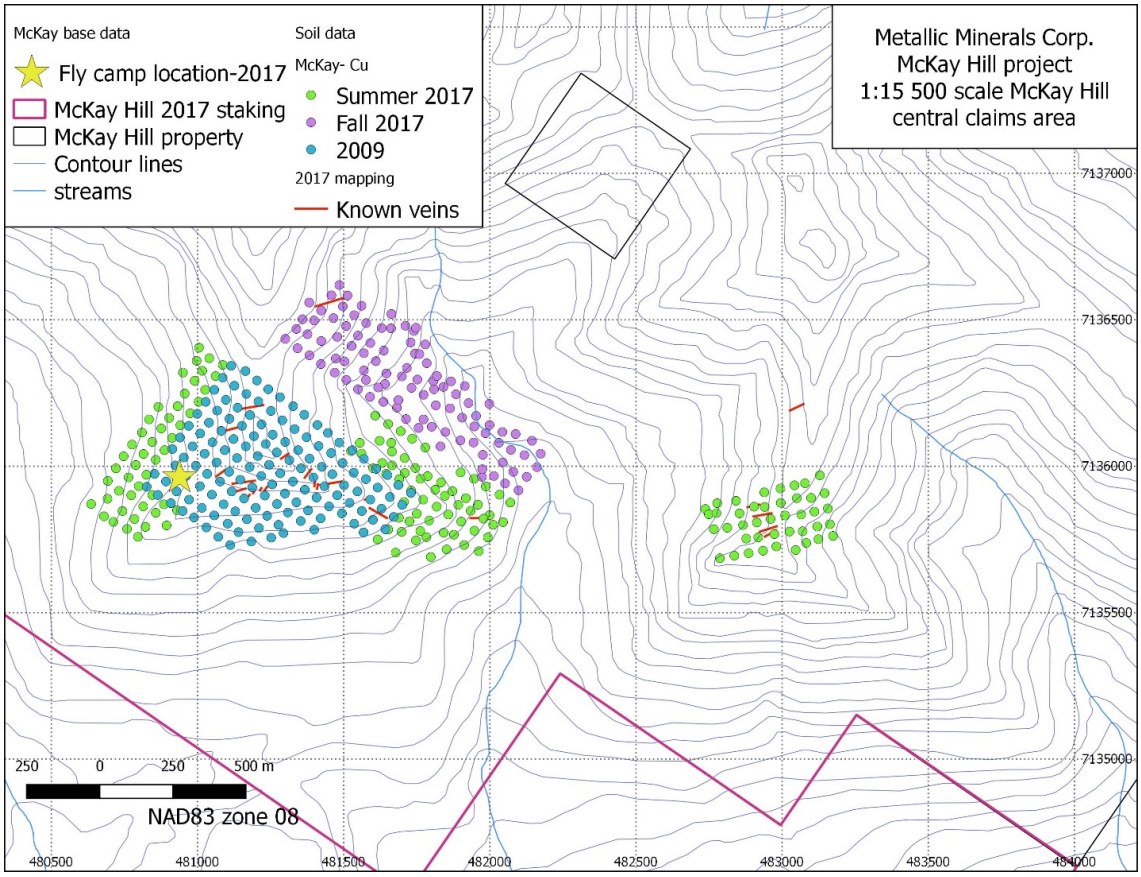


5.4 Soil Sampling

Two soil sampling campaigns were conducted in 2017, one from July 12-14 and the second from October 1-2 after receival the assay results from the soils sampled earlier in the year and the orthophoto data. Soil samplers, were largely locally-based from Keno City. The July soil sampling campaign extends the 2009 soil grid centered on the main McKay Hill showing (MINFILE 106D 038) both westward and eastward. In addition, a third grid was placed to cover the Independence Hill historical trenches area (refer to *Figure 20*). These grids aimed at characterizing the soil signature on known mineralized zones and trace potential extensions along strike to orient future exploration work. The October soil campaign took place in the Red Gulch valley to pick up any mineralized signature that would extend the McKay Hill vein system eastward and orient projections of potential veins in the Independence Hill area. Also, due to weather conditions this late in the exploration season, the grid was placed in the valley to avoid extensive snow cover. Consequently, anomalies outlined by combining the orthophoto and SkyTEM maps could not be tested due to the poor weather conditions at that time of year and areas of poor soil development (talus slopes).

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.

Figure 20. 2017 Soil Sampling Grids



5.4.1. Soil Sampling Results & Maps

Ordinary kriging of the combined 2009 and 2017 data for the main economic metals (refer to Figures *21* & *22*, following pages), show that anomalous values in Ag are mainly concentrated down slope of veins No. 6-8-9, North and Snowdrift. Cu, Zn, Pb, and As show similar distribution patterns. Anomalous values in Au display a distribution centered on the No. 7 vein as well as down slope from veins No. 6, No. 1 and Blackhawk. Au is also only present in traces in the northwest part of the ridge where the No. 8 and No. 9 veins outcrop. High Ca and Na values are concentrated around the vein occurrences although the highest concentrations measured are located away from the veins close to the Red Gulch. This might be caused by strong mobility (via dissolution, etc.) of Ca and Na in soils combined with moderate to strong topographic relief in the area.

A correlation matrix of selected base and precious metals concentrations in soils (*Table 9*, below) 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 on McKay ridge, 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.

Overall, metals in soils values on Independence Hill are lower than the ones on McKay Hill, except for Cu (refer to *Figure 21*, following page). This could be explained by the absence of mineralization at surface on Independence. Anomalous Cu values obtained on Independence Hill are located outside the historical trenches area where there is poor outcrop exposure. 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.

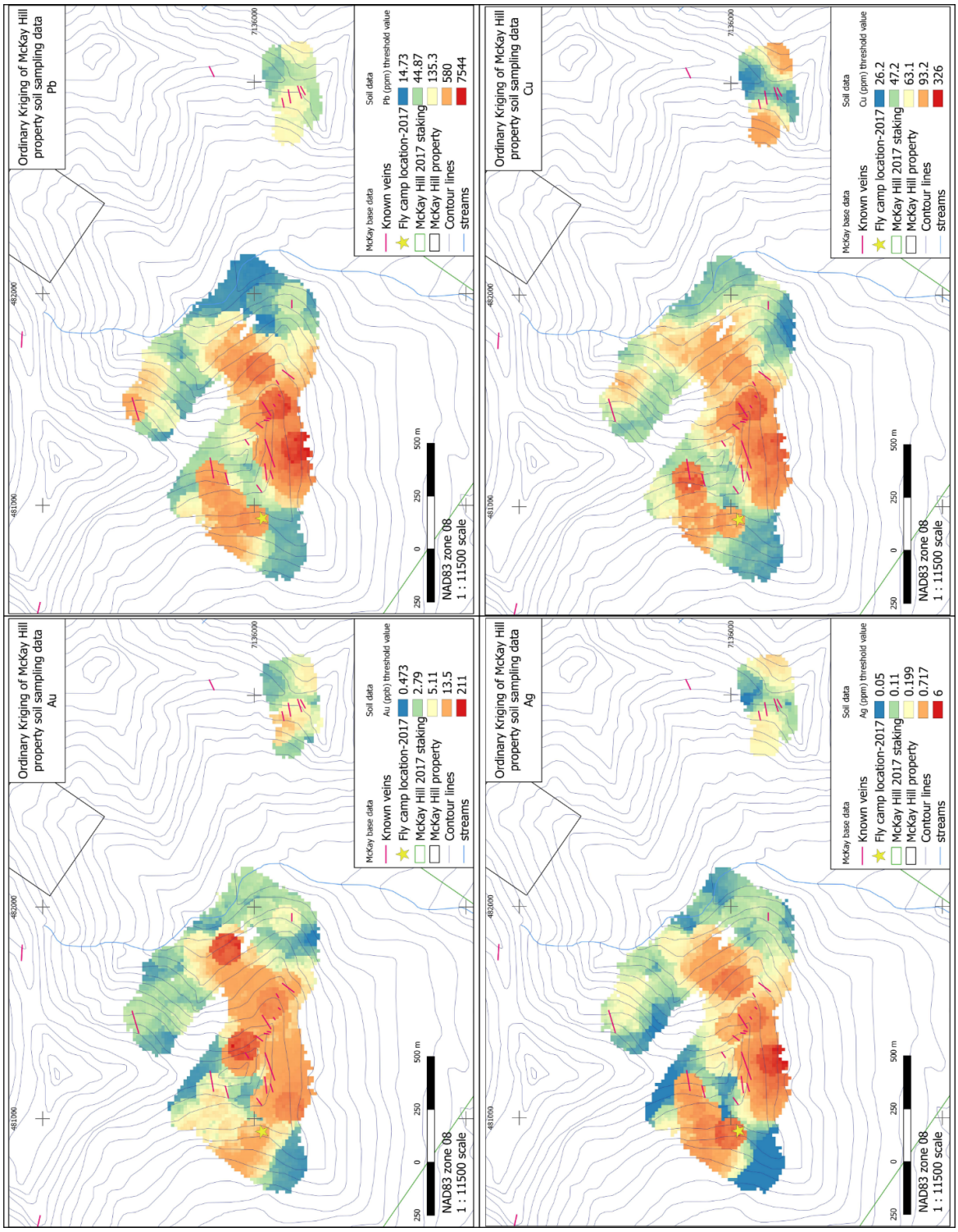
Table 9. Correlation of Economic & Pathfinder metals from soil sampling (n = 392)

Element	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
Cu (ppm)	1					
Pb (ppm)	**0.76883**	1				
Zn (ppm)	**0.83127**	**0.83159**	1			
Ag (ppm)	**0.76344**	**0.87455**	0.72929	1		
As (ppm)	0.56951	0.57187	0.59206	0.49296	1	
Au (ppb)	*0.19963*	*0.11957*	*0.13734*	*0.14587*	0.51897	1

*__Strong__ (>0.75) correlation, *poor* (<0.45) correlation.

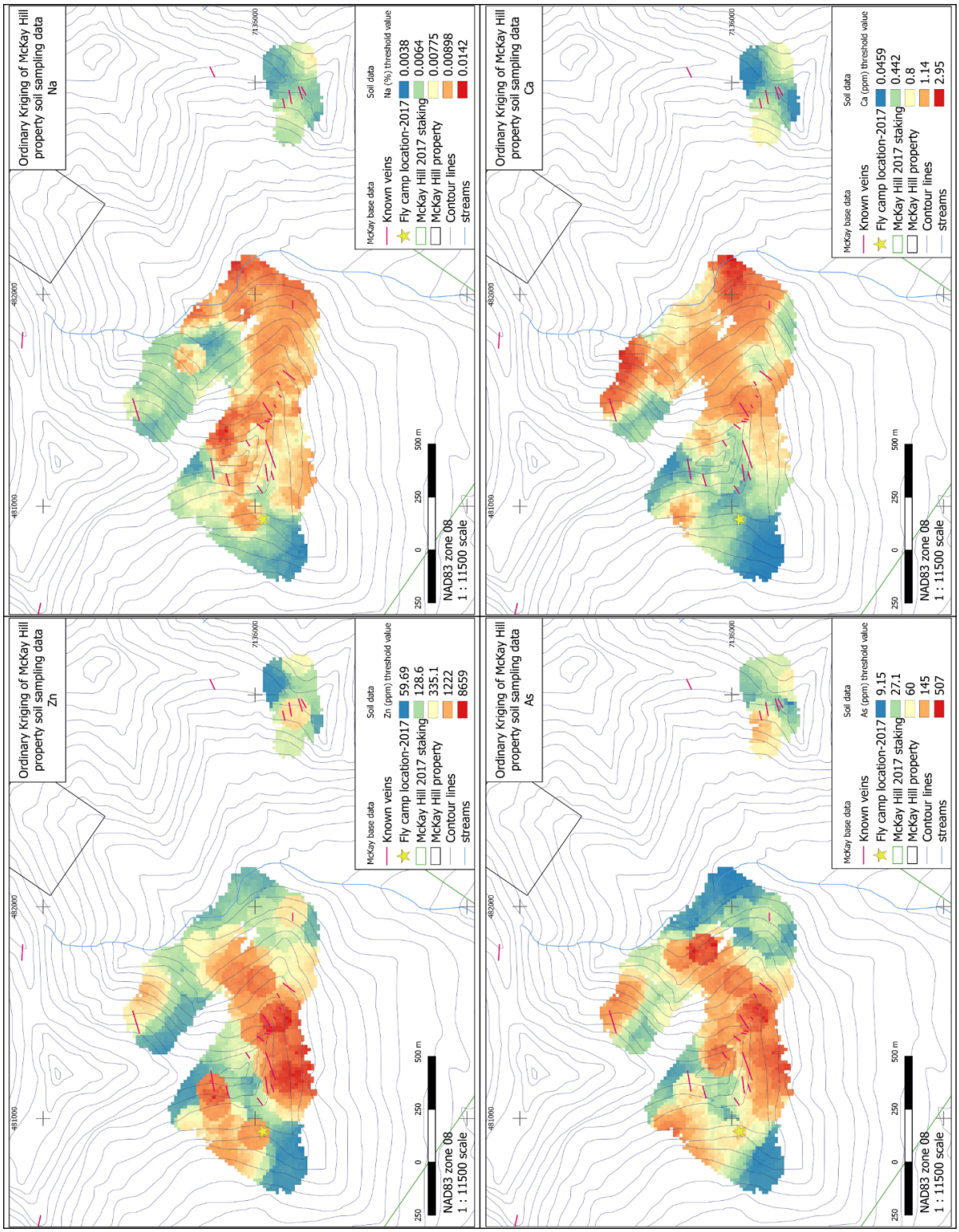
Preliminary analysis of soil data shows a good metal association between Ag-Pb-Zn, which indicates that Zn and Pb minerals can be used to target Ag mineralization in the area. Distribution of Au- vs Ag-anomalous soils on McKay ridge also seem to highlight a metal zonation from an Au-rich center to an Ag-rich rim (refer to *Figure 21 & 22*, following pages).

Figure 21. Ordinary Kriging of all soil data using 15 m cells at 75 m range



Note: poor correlation between the distribution of anomalous Ag and Au values. Threshold values for colour display are set at quantiles to reduce the effect of outliers. N = 392.

Figure 22. Ordinary Kriging of all soil data using 15 m cells at 75 m range

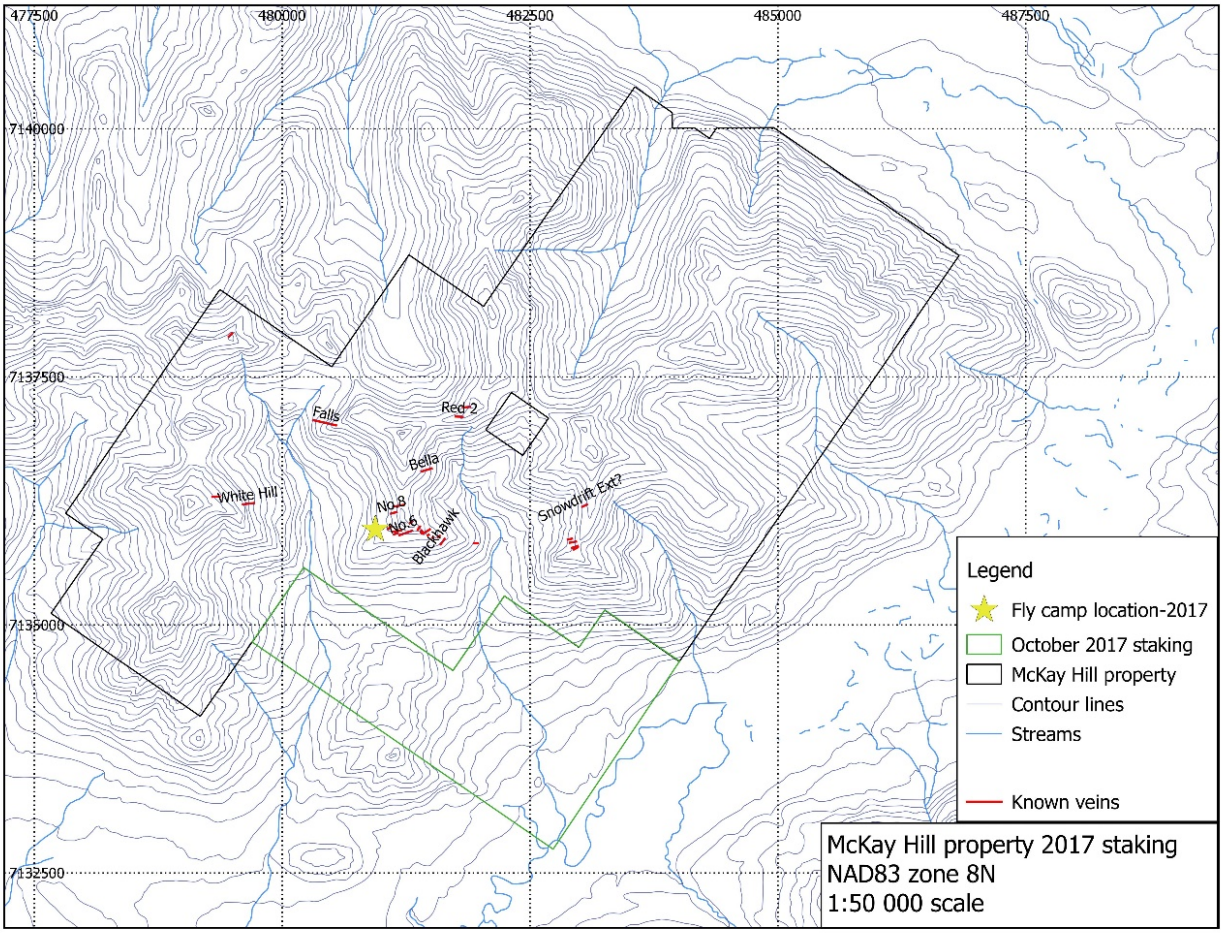


Note: poor correlation between the distribution of anomalous Ag and Au values. Threshold values for colour display are set at quantiles to reduce the effect of outliers. N = 392.

5.5 Staking

On October 1st, MMG personnel staked an additional 26 claims totaling 543.4 hectares to the south of the property. These claims are Snoose 91-116 (*YF29091* to *YF29116*) and extend the property along the Red Gulch valley stopping at the Beaver River, directly down slope of the McKay Hill ridge (refer to *Figure 23*, below).

Figure 23. Claims staked in October 2017 as a result of earlier 2017 findings



6 Conclusions and Recommendations for Future Work

Overall, the 2017 exploration season was successful. Findings and results were encouraging and as a result MMG staked the Snoose 91-116 (*YF29091* to *YF29116*; 26 claims totaling 543.4 hectares) to the south. Colour orthophoto surveying (50 cm per-pixel resolution) was completed by Photosat Information Ltd. over the entire 100 km^2 project. This work produced WorldView-3 satellite photos which highlighted orange-coloured (iron ± carbonate) alteration zones and white quartz veins typical of McKay Hill, which complimented the lineament study completed pre-field work. These photos also make possible the generation of a 3-m elevation grid of the visible earth surface (DEM/DSM) in the area.

Additionally, a preliminary 1:50,000-scale geological map was produced via three traverses covering the Sullivan, McKay and Independence Hill areas over the entire claim-block. Main findings include the

grouping of host stratigraphy earlier described in Blackburn (2009) into seven packages. Stratigraphy correlates well across the Sullivan and McKay Hill ridges, and along the northern portion of the Independence Hill ridge. Prospective regional rock units will be projected and followed up in the following seasons.

6.1 McKay Hill Zone

Work in the McKay Hill Zone entailed ridge-line mapping and built on previous work done by Pautler (2007-2008), Blackburn (2009-2010) and various Monster Mining staff (2010). Ten mineralized vein orientations were measured on the McKay Hill ridge and outlined a strong trend oriented 061°-070°N. This newly acquired data confirms the robustness of the mean orientation of the mineralized trend at the McKay Hill ridge-scale. However, as aforementioned, the 2017 findings on the No. 6 vein highlight multiple dextral offsets from 330°N-oriented faults at the meter-scale. When possible, known vein attitudes were measured at the ridge and most of them returned values along the 063°-243°N trend previously established by Cominco. Strike and dip measured for the Blackhawk vein in this study differ from previous studies, which could represent post-D_3 remobilization along the late 330°N-oriented apparently dextral faults identified on the western side of the ridge.

The highly prospective No. 6 vein which is centered within the historic workings (previously explored by numerous hand-pits, trenches and an adit) was evaluated in detail. The attitude, width (at the historic adit), and structural setting was examined. At the adit, the No. 6 vein was successfully exposed as a 10-foot^{+}-wide vein segment oriented ~030°N/80° (matching Cockfield's 1924 measurements). There, the internal zonation of the No. 6 vein was measured as 245°N/77° which approximates Cominco's data. Following the No. 6 vein to the west, a series of 330°N oriented faults of unknown dip were observed with apparent dextral movement, these post-mineralization structures offset the No. 6 vein at the metre scale. These structures are post-mineralization in timing and offset the No. 6 vein at the metre scale.

Digging of hand pits along the hillside further to the west extended the vein trace as far as E480957/N7136003, where it may intersect the North vein (?). The (historic) No. 4 vein, which is located to the northeast, was also inspected and based on presence of float, textural and mineralogical properties it is hypothesized that this vein is actually the northeast extension of the No. 6 vein with a measured orientation of 030°N/75°. The No. 6 vein which previously had a 168-m strike-length, now has a (to be tested) 467 m strike-length. Overall, the veins are oriented roughly 030° and are steeply dipping, cut by a series of dextral faults, giving it an overall trend of 065°-245°N. Current program planning for 2018 is scheduled to test this target in multiple areas.

Five man-days were spent prospecting on the McKay Hill property whereby rusty-coloured areas of interest in the Sullivan, McKay and Independence hills (which were spotted from the fly camp or the helicopter), were ground-truthed and sampled. A total of 23 rock samples were collected from the McKay Hill and Independence Hill Zones during the 2017 field season and sent in for geochemical analysis. Of particular interest is the Blackhawk West vein, which was followed along strike to the northeast (for ~300m) down slope via a series of historical pits and trenches not previously mapped by Metallic Minerals. Seven float and subcrop samples of vein material and mineralized conglomerate were collected and returned up to 919 g/t Ag. The Blackhawk West vein was previously thought to be exposed in one historic trench and to have an orientation of ~075°, however, float was traced on a 045°-trend. This area is deemed highly prospective and should be followed up on in 2018.

Three soil-grids were completed in the area surrounding the main McKay Hill Zone. One westward and another eastward to extend earlier sampling. These grids aimed at characterizing the soil signature on known mineralized zones and trace potential extensions along strike to orient future exploration work. Another grid was completed over the Red Gulch valley to pick up any mineralized signature that would extend the McKay Hill vein system eastward and orient projections of potential veins towards the Independence Hill area.

6.2 Independence Hill Zone

In recent history, very little work has been completed in the Independence Hill area. On behalf of Monster Mining Corp., Nicholson (2010) completed limited structural mapping in the area. Boiling textures in highly-altered volcanic (?) rock surrounding historic trenches which cut a galena vein were noted in a preliminary visit to the area. This was followed up by two man-days of mapping and prospecting in the area. Emphasis was put on characterizing the extent and nature of the silica-Fe-carbonate-rich zone with boiling textures as well as sampling this area to assess its economic potential. Corridors of iron-carbonate alteration are present but with no visible associated mineralization. An area of approximately 1135 m^2 of strongly altered (mafic?) protolith with boiling textures hosting a series of NNW-SSE oriented historical trenches was observed. Colloform and cockade textures are abundant and rocks have seen multiple brecciation events, which is interpreted from the presence of breccia clasts within the breccia. This boiling zone is subdivided into a carbonate-limonite zone to the west and a silica zone to the east. Sampling returned trace precious metal values. Another set of historical trenches less than 100 metres to the north contain vein material of massive galena hosted in a strongly iron-carbonate altered (mafic?) protolith.

A soil grid was centered over the Independence Hill historical trench area. Results highlight a weakly anomalous silver and moderately anomalous copper lineament on-trend with McKay Hill proper.

6.2 Recommendations for Future Work

The McKay Hill project is deemed highly prospective. As access is limited and there is no infrastructure on-site, exploration techniques utilized to date have been limited to prospecting, mapping, geochemical sampling (soil & rock) and aerial surveying. The author recommends extensive follow-up and testing of the targets delineated to date as well as helicopter prospecting campaigns in outlying areas. In order to adequately test the mineralization observed on the McKay Hill property, the following recommendations are made:

- Establishing infrastructure: construct a clearing for camp and build a compact framed wall-tent camp including a kitchen, dry, office and sleeping shelters. (build), create access to high-priority targets (for bedrock-interface probing, additional trenching and potentially drilling) and cut trenches (open up historic cuts and explore potential vein-extensions)
- Create target access: utilize a heli-portable excavator to create access to high-priority targets in the McKay Hill Zone
- Methodically map and geochemically sample veins: once adequately exposed, channel and panel samples of the veins should be collected to characterize grade and Ag:Au ratios
- Prospecting & Mapping (utilizing a portable Terraspec and/or XRF?)
  -The northern region of iron-carbonate altered zones highlighted previously via air and in 2017 by orthophotography
  -Blackhawk West

- The valley to the north and northeast to examine for potential intermediate-sulphidation style mineralization at 'lower' Independence
- Trace the potential connection between Snowdrift ext. and the central claims area.

- Soil sampling:
  - Grid over iron-carbonate altered zones highlighted previously via air and in 2017 by orthophotography to the north
  - Grid over Blackhawk West
  - Grid connecting Snowdrift Ext. to McKay Hill proper
- Test veins: via bedrock-interface probing and heli-portable RAB drilling (following the access development and initial trenching program)
- Hyperspectral surveying: after establishing and characterizing alteration related to mineralized (Au-rich and Ag-rich) veins, conduct a hyperspectral survey combined with high resolution satellite photos already available to generate greenfield targets for prospecting and reconnaissance mapping
- VLF (± 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 2018 exploration program is underway and includes the above recommendations minus geophysical surveys and hyperspectral surveying and has a proposed budget of approximately $750,000.00.

7 Bibliography

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8 Statement of Qualifications

I, Lauren Blackburn, of the City of Keno, 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 and 2017.

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 Metallic Minerals Corp. (2017 – present).

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 16th day of January 2018.

Lauren Blackburn B.Sc.
Metallic Minerals Corp.
PO Box 28,
Keno City, Yukon Y0B 1M1

Appendix I. Statement of Expenditures

STATEMENT OF EXPENDITURES

JUNE 21st 2017

Surveying & Photosat Satellite Data Collection			$8,149.80
Underhill Surveying Photo Crosses			$9,360.96
Photsat Satellite Data Collection			$10,530.45
Fireweed Helicopter for Satellite Photography		TOTAL =	**$28,041.21**

JULY 10 - SITE VISIT

Fireweed Helicopter		TOTAL =	**$7,911.33**
Labour	*Rate*	*Days/Man-days*	
Senior Geologist	$600.00	1	$600.00
Senior Geologist	$600.00	1	$600.00
Geologist	$500.00	1	$500.00
Geologist	$500.00	1	$500.00
Prospector	$500.00	1	$500.00
	TOTAL =	5	**$2,700.00**

JULY 12-15 - MAPPING, PROSPECTING & SOIL SURVEY

Labour	*Rate*	*Days/Man-days*	
Prospector	$500.00	3	$1,500.00
Geologist	$500.00	4	$2,000.00
Geologist	$500.00	4	$2,000.00
Sampler	$300.00	3	$900.00
Sampler	$300.00	3	$900.00
	TOTAL =	17	**$7,300.00**
Fireweed Helicopter (2 days, 4 hour minimum)		TOTAL =	**$12,345.90**
Food	$35.00	22	**$770.00**
Field Gear (GPS', radios, flagging, sample bags etc.)	$40.00	22	**$880.00**
Assays	$20.50	207	**$4,243.50**
Report - Geologist	$500.00	5	**$2,500.00**
		GRAND TOTAL =	**$66,691.94**

*Note: the above Statement of Expenditures covered work up until July 15th and reflects the initial filing made on the property.

Statement of Expenditures - Fall 2017 Work				
October				
Surveying and Photosat Satellite Data collection				
Processing of satellitel photography for orthophoto			$ 10,045.67	
			$ 10,045.67	
October 1-2 prospecting/sampling				
Helicopter			$ 4,402.65	
Labour	***Rate***		***Days/Mandays***	
Prospector/Sampler/Staker (Matthias Bindig)	$ 500.00		1	$ 500.00
Sampler/Staker (Adam Sharman)	$ 300.00		1	$ 300.00
Sampler/Staker (Scott Buchanan)	$ 300.00		1	$ 300.00
Sampler/Staker (Joel Potie)	$ 300.00		1	$ 300.00
			4	$ 1,400.00
Daily Field Expenses	$ 100.00		4	$ 400.00
Assays - soils	$ 22.00		254	$ 5,588.00
Assays - rocks	$ 75.00		23	$ 1,725.00
				$ 7,313.00
Report Writing (Geologist)	$ 500.00		1	$ 500.00
				$ 24,061.32 **Total**

*Note: the above Statement of Expenditures covers work conducted in October and reflects the second filing on the property which was submitted in January 2018.

Appendix II. Batch Sheets and Assay Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 24, 2017
Report Date: August 09, 2017
Page: 1 of 7

CERTIFICATE OF ANALYSIS WHI17000351.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno 3
P.O. Number
Number of Samples: 154

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	154	Dry at 60C			WHI
SS80	154	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	154	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	154	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Stuart Morris
Debbie James

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production 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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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#904 - 409 Granville Street
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Project: Keno Silver
Report Date: August 09, 2017

CERTIFICATE OF ANALYSIS WHI17000351.1

	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
1907615	Soil	0.9	38.1	26.5	74	<0.1	28.4	12.9	731	3.19	12.7	1.2	2.0	10	0.1	1.2	0.5	33	0.04	0.046	13
1907617	Soil	1.1	37.3	32.6	80	<0.1	30.4	14.8	813	3.53	13.1	1.1	2.6	12	0.1	2.0	0.5	48	0.07	0.052	18
1907618	Soil	1.0	33.8	68.9	157	<0.1	32.7	14.2	572	3.35	32.1	7.1	2.2	18	0.5	5.5	0.3	48	0.23	0.087	22
1907619	Soil	1.1	24.5	251.5	331	0.1	27.5	10.3	426	3.26	35.0	5.1	1.0	23	1.4	12.5	0.2	58	0.31	0.088	16
1907620	Soil	1.5	63.0	623.5	1423	1.2	52.7	20.1	948	5.33	78.0	16.1	2.3	39	9.8	39.7	0.2	61	0.53	0.132	24
1907621	Soil	1.4	52.9	948.2	1507	0.7	84.3	25.7	1842	6.23	248.8	27.3	2.2	62	12.5	27.9	0.2	84	0.79	0.183	60
1907622	Soil	1.6	203.2	2198.5	3344	3.4	136.7	33.5	1325	8.16	204.0	14.1	2.8	56	29.4	142.7	0.3	76	0.85	0.189	24
1907623	Soil	1.2	87.8	121.9	363	0.2	168.4	44.5	1500	7.69	160.0	5.2	1.8	60	1.9	21.2	0.1	130	0.88	0.152	28
1907626	Soil	1.1	62.1	133.2	459	0.2	65.9	29.6	1746	7.31	299.0	8.6	1.3	94	2.5	15.3	<0.1	123	1.82	0.212	34
1907627	Soil	1.0	44.4	30.4	96	<0.1	36.2	19.9	803	3.43	21.6	<0.5	2.1	11	0.2	0.8	0.3	47	0.12	0.074	25
1907628	Soil	0.7	38.0	45.1	94	<0.1	37.8	21.4	1016	4.68	8.8	0.7	6.8	8	<0.1	1.1	0.4	23	0.13	0.063	21
1907629	Soil	1.1	28.3	28.1	70	<0.1	22.5	12.5	810	3.82	11.5	0.8	2.1	8	<0.1	1.0	0.4	42	0.05	0.046	8
1907630	Soil	1.0	46.0	30.4	71	<0.1	27.0	14.0	735	3.08	13.9	2.2	5.0	14	<0.1	1.0	0.6	28	0.05	0.044	12
1907631	Soil	1.6	29.6	22.7	78	<0.1	26.8	13.4	588	3.43	12.7	1.5	4.3	11	0.2	0.9	0.3	57	0.09	0.039	15
1907632	Soil	1.1	32.7	30.3	75	<0.1	27.2	13.0	638	3.31	12.8	2.7	1.8	12	0.1	1.6	0.4	38	0.13	0.061	12
1907633	Soil	1.4	75.6	412.4	906	0.8	56.6	22.7	1065	5.67	58.9	28.8	3.3	38	5.9	24.3	0.2	74	0.53	0.150	30
1907634	Soil	1.4	46.2	585.4	747	1.4	45.6	16.4	764	4.48	51.5	6.5	1.5	42	5.2	22.2	0.2	66	0.55	0.130	22
1907635	Soil	1.4	72.0	626.8	1218	1.1	48.7	21.9	980	4.75	65.0	17.0	4.0	42	10.0	44.0	0.2	58	0.47	0.150	26
1907636	Soil	1.3	26.4	62.6	113	<0.1	37.8	14.7	988	3.67	29.8	2.5	1.2	25	0.6	4.3	0.3	55	0.28	0.088	22
1907637	Soil	1.5	167.4	1287.2	2247	1.8	142.5	38.8	1433	8.14	186.8	13.3	2.3	69	21.0	114.3	0.1	87	1.04	0.207	27
1907638	Soil	1.4	73.4	79.7	202	0.2	116.0	35.2	1443	6.82	109.8	2.2	2.6	81	1.0	11.2	0.2	93	1.21	0.177	27
1907639	Soil	1.3	66.6	104.2	267	0.2	103.1	38.6	1707	6.68	284.2	5.8	3.0	93	1.1	12.8	0.1	111	1.02	0.240	47
1907640	Soil	1.1	97.0	742.6	1686	0.6	70.6	36.7	1548	6.40	527.8	8.9	4.3	124	14.7	52.6	0.1	92	0.95	0.299	40
1907641	Soil	1.2	54.8	42.2	92	<0.1	34.6	23.6	898	3.87	30.2	13.8	2.4	17	<0.1	0.8	0.3	60	0.25	0.118	38
1907642	Soil	1.2	55.9	39.5	92	<0.1	49.1	27.5	1137	3.51	33.8	1.0	5.2	19	0.2	1.1	0.3	49	0.27	0.073	39
1907643	Soil	1.6	16.9	20.8	91	<0.1	23.9	9.7	565	3.23	12.2	0.6	3.9	10	<0.1	0.8	0.3	58	0.08	0.038	12
1907644	Soil	0.8	41.5	40.9	66	<0.1	25.1	14.1	701	2.96	11.7	1.8	7.8	13	<0.1	1.0	0.5	24	0.03	0.041	19
1907645	Soil	1.3	52.4	45.6	82	<0.1	27.6	18.0	1149	3.64	11.1	2.2	1.5	10	0.3	1.5	0.5	47	0.12	0.098	16
1907646	Soil	0.9	31.0	34.3	64	<0.1	22.6	15.4	902	3.18	9.6	1.5	3.7	7	<0.1	1.9	0.5	26	0.03	0.043	25
1907647	Soil	1.2	47.0	152.2	324	0.5	40.1	17.8	812	4.74	47.4	9.7	2.4	31	1.9	18.8	0.3	47	0.39	0.132	18

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1907615	Soil	18	0.20	49	0.010	<1	0.92	0.005	0.05	<0.1	0.07	2.1	<0.1	<0.05	3	<0.5	<0.2
1907617	Soil	23	0.32	84	0.021	<1	1.15	0.005	0.05	0.1	0.06	3.1	<0.1	<0.05	4	<0.5	<0.2
1907618	Soil	34	0.46	176	0.020	2	1.42	0.005	0.04	0.1	0.12	4.0	<0.1	<0.05	4	<0.5	<0.2
1907619	Soil	34	0.48	142	0.017	2	1.48	0.005	0.03	0.2	0.33	2.8	0.1	<0.05	5	<0.5	<0.2
1907620	Soil	42	0.45	132	0.016	3	1.20	0.006	0.05	0.2	1.25	9.6	<0.1	<0.05	4	1.0	<0.2
1907621	Soil	103	0.71	182	0.011	2	1.80	0.007	0.05	0.1	2.87	8.9	0.2	0.06	6	1.2	<0.2
1907622	Soil	130	0.60	120	0.009	2	1.25	0.006	0.05	<0.1	2.51	17.7	0.1	<0.05	4	1.0	<0.2
1907623	Soil	205	1.70	288	0.033	2	1.89	0.006	0.04	<0.1	0.29	18.1	0.1	<0.05	7	<0.5	<0.2
1907626	Soil	101	0.74	148	0.006	3	1.23	0.007	0.04	<0.1	0.88	11.6	0.2	0.09	5	1.1	<0.2
1907627	Soil	41	0.68	78	0.015	1	1.77	0.006	0.05	0.1	0.06	2.8	<0.1	<0.05	6	<0.5	<0.2
1907628	Soil	34	0.71	52	0.005	1	2.08	0.005	0.05	<0.1	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
1907629	Soil	26	0.30	60	0.016	<1	1.47	0.004	0.04	0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1907630	Soil	16	0.18	63	0.003	2	0.80	0.004	0.05	<0.1	0.11	2.4	<0.1	<0.05	3	<0.5	<0.2
1907631	Soil	32	0.46	141	0.038	2	1.91	0.007	0.06	0.2	0.05	3.4	0.1	<0.05	5	<0.5	<0.2
1907632	Soil	27	0.44	95	0.011	1	1.59	0.005	0.04	<0.1	0.06	2.1	<0.1	<0.05	5	<0.5	<0.2
1907633	Soil	43	0.56	159	0.018	2	1.37	0.007	0.06	0.1	1.29	10.1	<0.1	<0.05	4	<0.5	<0.2
1907634	Soil	46	0.61	182	0.014	1	1.44	0.006	0.05	0.1	0.91	5.9	0.1	<0.05	5	0.8	<0.2
1907635	Soil	36	0.41	105	0.019	2	0.88	0.006	0.04	0.1	1.20	8.6	<0.1	<0.05	3	<0.5	<0.2
1907636	Soil	47	0.46	136	0.018	1	1.50	0.005	0.06	0.1	0.11	3.1	0.1	<0.05	5	<0.5	<0.2
1907637	Soil	141	0.60	119	0.011	4	1.15	0.008	0.05	<0.1	1.80	16.4	0.1	<0.05	4	1.0	<0.2
1907638	Soil	150	0.73	141	0.008	3	1.29	0.006	0.05	<0.1	0.43	13.6	0.1	0.06	4	0.8	<0.2
1907639	Soil	131	0.86	154	0.011	2	1.41	0.007	0.04	0.1	0.43	12.0	0.2	<0.05	6	0.6	<0.2
1907640	Soil	63	0.48	128	0.014	3	0.89	0.007	0.04	0.2	3.13	10.0	0.2	0.06	4	<0.5	<0.2
1907641	Soil	56	0.85	99	0.035	2	2.03	0.008	0.05	0.2	0.06	4.3	<0.1	<0.05	7	<0.5	<0.2
1907642	Soil	53	0.86	89	0.019	<1	1.83	0.007	0.04	0.1	0.05	4.6	<0.1	<0.05	6	<0.5	<0.2
1907643	Soil	32	0.38	93	0.040	<1	2.00	0.006	0.06	0.2	0.05	2.9	0.2	<0.05	6	<0.5	<0.2
1907644	Soil	12	0.14	48	0.005	1	0.59	0.003	0.04	<0.1	0.08	2.4	<0.1	<0.05	2	<0.5	<0.2
1907645	Soil	25	0.39	55	0.021	2	1.58	0.005	0.04	0.2	0.07	1.6	<0.1	<0.05	5	0.7	<0.2
1907646	Soil	13	0.15	37	0.008	1	0.76	0.003	0.04	<0.1	0.05	1.8	<0.1	<0.05	2	<0.5	<0.2
1907647	Soil	29	0.39	114	0.012	<1	1.05	0.005	0.05	0.1	0.72	6.6	<0.1	<0.05	3	<0.5	<0.2

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Project: Keno Silver
Report Date: August 09, 2017

CERTIFICATE OF ANALYSIS WHI17000351.1

		Method	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
1907648	Soil		1.5	70.1	420.5	1369	0.8	55.8	22.8	1085	5.90	116.6	21.5	2.8	40	11.4	22.4	0.3	65	0.52	0.158	26
1907649	Soil		1.6	43.3	173.3	207	0.4	43.2	16.4	818	4.06	20.5	3.1	1.8	49	1.5	11.2	0.2	63	0.59	0.140	25
1907650	Soil		1.5	39.3	721.2	622	1.2	26.9	10.1	652	3.54	42.6	3.7	0.5	20	4.0	49.0	0.3	49	0.18	0.101	14
1907651	Soil		1.1	36.2	98.6	226	0.2	46.3	17.6	1027	4.03	33.2	1.6	2.5	25	1.2	5.6	0.3	43	0.29	0.089	18
1907652	Soil		1.8	96.8	231.5	529	0.6	149.0	39.4	1501	8.14	133.7	4.8	1.8	78	4.2	36.0	0.1	104	1.26	0.246	27
1907653	Soil		0.9	80.0	31.9	138	0.1	199.9	55.7	2579	8.36	103.5	1.9	2.5	193	0.6	4.8	<0.1	114	2.73	0.377	56
1907654	Soil		1.4	52.8	43.4	191	0.2	50.1	31.1	1891	6.50	170.4	11.0	2.9	93	0.9	3.8	0.1	115	1.00	0.255	44
1907655	Soil		1.1	71.4	51.3	86	<0.1	30.3	22.8	911	4.06	20.8	2.4	2.2	12	0.1	0.8	0.5	64	0.13	0.095	41
1907656	Soil		1.1	90.7	28.6	97	<0.1	45.2	46.9	2003	5.80	36.5	1.5	3.8	47	0.2	0.9	0.2	98	0.62	0.161	45
1907657	Soil		0.9	46.3	33.1	79	<0.1	31.4	17.8	914	3.47	13.2	1.5	7.9	14	0.1	1.3	0.6	30	0.04	0.034	15
1907658	Soil		1.7	27.6	23.6	85	<0.1	23.9	11.9	713	4.32	13.1	<0.5	4.7	9	0.2	1.0	0.5	61	0.06	0.061	15
1907659	Soil		0.7	50.1	43.8	98	<0.1	34.3	31.4	2573	4.13	6.2	1.4	6.4	8	0.1	1.5	0.5	34	0.05	0.057	30
1907660	Soil		1.0	33.2	22.9	63	<0.1	20.2	13.9	832	2.91	5.8	<0.5	0.7	9	0.2	1.0	0.4	30	0.05	0.089	13
1907661	Soil		1.3	21.5	24.7	49	<0.1	17.3	8.5	363	3.12	12.1	0.9	3.5	9	0.1	1.1	0.4	57	0.06	0.041	14
1907662	Soil		0.9	43.2	37.1	74	<0.1	34.3	18.1	1302	3.36	15.9	1.3	12.2	34	<0.1	1.5	0.7	21	0.04	0.029	15
1907663	Soil		0.9	30.6	30.4	55	<0.1	21.1	10.9	497	2.94	9.3	1.2	2.5	8	0.1	1.0	0.3	43	0.08	0.047	17
1907664	Soil		1.1	24.7	25.6	56	<0.1	23.4	14.0	851	3.35	12.1	1.6	4.0	8	0.1	1.2	0.3	46	0.06	0.038	14
1907667	Soil		1.2	25.5	22.9	61	<0.1	18.8	11.8	627	3.43	12.0	1.4	4.6	9	0.2	1.2	0.4	55	0.07	0.043	17
1907668	Soil		0.9	36.4	27.7	73	<0.1	31.5	15.2	642	3.76	13.0	1.5	6.3	14	<0.1	1.5	0.4	35	0.12	0.065	20
1907697	Soil		1.7	76.3	25.2	154	0.2	143.1	47.1	1517	8.67	42.4	4.7	4.0	118	0.4	3.3	0.1	218	1.15	0.275	63
1907698	Soil		2.1	66.8	206.3	465	0.4	86.2	37.0	1877	7.63	88.5	12.1	1.5	127	1.9	17.7	0.1	110	1.77	0.250	37
1907699	Soil		1.3	110.9	1309.1	3513	1.6	124.2	55.1	2657	11.73	230.3	29.2	4.4	131	18.9	49.8	0.2	189	1.34	0.374	77
1907700	Soil		1.3	85.0	44.9	282	0.2	116.9	47.0	1488	8.04	35.4	2.9	4.4	138	0.8	4.9	0.1	189	1.63	0.326	70
1907701	Soil		1.8	145.4	1826.0	4244	2.2	138.3	55.3	2496	9.98	387.3	29.9	3.5	111	32.7	70.7	0.3	146	1.09	0.347	51
1907704	Soil		3.0	118.2	19.4	162	0.2	169.8	47.7	1158	7.97	19.8	4.0	3.2	113	0.5	1.8	0.1	182	1.59	0.265	34
1907705	Soil		0.7	50.9	14.3	141	<0.1	68.5	30.7	1157	6.55	12.0	1.3	3.8	130	0.2	1.5	<0.1	140	1.46	0.208	38
1907706	Soil		0.8	51.1	25.2	121	0.1	51.3	25.1	900	5.01	12.2	1.5	3.7	83	0.3	1.4	0.2	95	1.92	0.188	26
1907707	Soil		1.0	46.9	39.5	204	0.2	46.7	21.0	814	4.62	27.5	5.1	2.5	70	0.6	2.6	0.2	82	1.23	0.155	25
1907708	Soil		0.8	35.6	28.8	100	0.1	56.3	26.3	982	5.29	12.9	3.0	3.6	64	0.2	1.4	0.2	102	0.97	0.151	27
1907709	Soil		1.9	82.9	235.8	569	0.4	111.7	45.5	2867	9.62	82.4	9.1	2.2	101	2.4	16.7	0.1	166	1.15	0.272	72

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Project: Keno Silver
Report Date: August 09, 2017

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1907648	Soil	43	0.52	146	0.016	1	1.41	0.008	0.06	0.1	1.85	11.1	0.1	<0.05	4	<0.5	<0.2
1907649	Soil	52	0.72	180	0.016	<1	1.66	0.006	0.05	0.1	0.24	5.8	0.1	0.06	5	0.7	<0.2
1907650	Soil	29	0.32	119	0.010	2	1.31	0.007	0.06	0.1	0.54	2.2	0.2	0.06	5	<0.5	<0.2
1907651	Soil	39	0.43	121	0.017	1	1.48	0.006	0.06	0.1	0.19	4.4	<0.1	<0.05	4	0.6	<0.2
1907652	Soil	177	0.78	119	0.007	2	1.31	0.008	0.04	<0.1	1.33	16.6	0.2	0.07	5	0.9	<0.2
1907653	Soil	261	1.21	149	0.005	1	1.39	0.007	0.04	<0.1	0.47	13.4	0.3	0.10	5	1.0	<0.2
1907654	Soil	67	0.99	183	0.021	2	1.64	0.008	0.04	0.1	0.32	9.9	0.1	<0.05	7	0.6	<0.2
1907655	Soil	52	0.79	94	0.022	1	1.81	0.007	0.04	0.1	0.04	3.4	<0.1	<0.05	6	<0.5	<0.2
1907656	Soil	68	0.96	124	0.022	1	1.86	0.009	0.03	<0.1	0.08	11.3	<0.1	<0.05	6	1.0	<0.2
1907657	Soil	18	0.29	53	0.005	<1	0.98	0.004	0.04	<0.1	0.07	3.0	<0.1	<0.05	3	<0.5	<0.2
1907658	Soil	35	0.42	58	0.037	<1	2.03	0.005	0.05	0.1	0.05	2.7	0.1	<0.05	7	<0.5	<0.2
1907659	Soil	20	0.33	59	0.009	<1	1.30	0.005	0.05	<0.1	0.06	3.0	<0.1	<0.05	4	<0.5	<0.2
1907660	Soil	21	0.19	48	0.010	1	1.11	0.008	0.04	<0.1	0.07	1.6	<0.1	0.10	3	0.5	<0.2
1907661	Soil	25	0.29	63	0.029	<1	1.64	0.004	0.04	0.1	0.04	2.8	0.1	<0.05	5	0.7	<0.2
1907662	Soil	7	0.04	50	<0.001	<1	0.20	0.003	0.04	<0.1	0.18	3.7	<0.1	<0.05	1	<0.5	<0.2
1907663	Soil	23	0.40	55	0.033	1	1.61	0.005	0.04	0.1	0.06	2.1	<0.1	0.06	4	<0.5	<0.2
1907664	Soil	27	0.37	68	0.035	<1	1.71	0.004	0.04	0.1	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
1907667	Soil	29	0.38	64	0.040	<1	1.73	0.005	0.04	0.2	0.02	2.5	0.1	<0.05	5	0.6	<0.2
1907668	Soil	30	0.49	121	0.011	<1	1.68	0.004	0.04	<0.1	0.07	3.8	<0.1	<0.05	5	<0.5	<0.2
1907697	Soil	275	2.47	183	0.079	<1	2.96	0.007	0.05	<0.1	0.29	18.6	0.1	<0.05	12	<0.5	<0.2
1907698	Soil	117	1.01	128	0.013	2	1.48	0.008	0.04	<0.1	0.49	14.7	0.1	0.12	6	1.4	<0.2
1907699	Soil	171	1.69	194	0.024	<1	2.24	0.006	0.05	<0.1	2.71	18.9	0.1	<0.05	10	1.2	<0.2
1907700	Soil	222	1.86	233	0.099	2	2.35	0.008	0.17	<0.1	0.40	15.3	0.2	0.07	12	<0.5	<0.2
1907701	Soil	167	1.09	147	0.017	<1	1.52	0.006	0.04	<0.1	2.10	19.7	0.2	<0.05	7	0.5	<0.2
1907704	Soil	351	2.75	243	0.194	2	2.90	0.009	0.21	0.1	0.12	14.3	0.2	0.09	12	1.0	<0.2
1907705	Soil	164	2.85	260	0.212	<1	2.93	0.009	0.20	0.2	0.05	7.2	0.3	<0.05	13	<0.5	<0.2
1907706	Soil	89	2.08	229	0.158	1	2.05	0.010	0.14	0.2	0.05	5.7	0.1	0.05	8	<0.5	<0.2
1907707	Soil	71	1.30	255	0.116	1	2.02	0.010	0.08	0.1	0.08	6.6	0.1	0.10	7	<0.5	<0.2
1907708	Soil	105	1.62	289	0.186	1	2.35	0.009	0.08	0.1	0.04	7.7	0.1	<0.05	8	<0.5	<0.2
1907709	Soil	169	1.32	141	0.027	2	1.99	0.006	0.05	<0.1	0.64	18.5	0.2	0.09	8	1.1	<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
1907710	Soil		2.7	148.9	4457.8	>10000	3.2	145.1	60.1	3943	9.43	492.3	56.3	1.8	83	96.1	175.0	0.2	70	1.00	0.315	25
1907711	Soil		1.3	95.2	147.5	558	0.3	146.5	57.2	1906	9.16	109.8	12.9	4.8	135	2.1	10.4	<0.1	192	1.43	0.383	79
1907712	Soil		0.9	61.2	480.0	851	0.3	101.5	50.5	1690	7.79	70.0	2.7	6.7	185	5.0	11.6	0.2	177	1.59	0.439	90
1907713	Soil		3.7	99.7	1003.2	3603	2.0	113.4	51.8	4016	9.45	224.3	3.9	4.3	116	21.7	26.6	0.4	121	1.03	0.300	53
1907714	Soil		2.0	85.7	43.0	236	0.2	80.6	34.0	1770	5.89	32.1	5.2	1.8	95	1.0	3.9	0.2	141	1.24	0.204	55
1907715	Soil		0.5	65.6	11.2	102	<0.1	200.2	43.9	1353	6.28	9.1	1.1	1.4	71	0.3	0.6	<0.1	177	1.61	0.149	31
1907716	Soil		0.8	92.0	15.2	244	0.1	203.5	48.1	1435	6.83	19.0	3.1	1.8	103	0.7	1.4	<0.1	187	1.90	0.162	33
1907717	Soil		0.8	46.3	12.3	146	<0.1	77.1	38.1	1348	7.47	10.9	0.9	3.1	139	0.2	1.2	<0.1	169	1.59	0.202	35
1907718	Soil		0.7	45.9	43.7	270	0.1	57.0	28.0	1410	5.85	31.8	5.0	3.1	126	1.2	1.7	<0.1	121	1.41	0.210	38
1907719	Soil		0.6	85.7	38.7	184	0.2	86.3	28.6	941	5.04	21.5	1.7	0.8	118	0.9	2.2	<0.1	111	2.37	0.144	20
1907720	Soil		0.3	93.8	20.5	180	<0.1	131.1	39.2	777	6.28	16.6	2.5	1.4	99	0.6	1.9	<0.1	143	2.00	0.182	24
1907721	Soil		1.9	95.2	887.7	1915	0.5	189.4	76.4	3607	12.58	259.4	29.0	3.7	110	14.5	72.8	0.2	188	1.08	0.367	51
1907723	Soil		1.0	67.0	7548.9	7044	8.9	83.6	43.6	2787	9.10	339.3	13.3	3.8	135	30.7	46.8	0.2	136	1.08	0.314	60
1907724	Soil		1.0	95.5	759.8	2004	0.7	141.3	57.6	2173	9.74	326.7	17.0	3.6	112	13.8	33.8	0.1	203	1.41	0.341	60
1907725	Soil		4.3	76.6	88.7	459	0.2	95.9	46.7	2405	6.57	36.0	9.4	2.8	103	3.1	5.9	0.2	142	1.09	0.241	43
1907726	Soil		1.1	59.2	43.1	230	0.2	79.0	34.2	1712	5.16	34.6	6.5	2.8	73	1.1	5.1	0.2	123	0.80	0.169	34
1907727	Soil		1.3	44.0	14.8	138	0.1	53.3	26.5	1409	5.61	14.7	<0.5	2.8	134	0.5	1.0	0.1	143	1.03	0.195	37
1907728	Soil		3.4	38.7	16.3	180	<0.1	52.7	28.7	1166	6.00	15.1	4.3	3.5	132	0.4	0.9	0.1	143	1.16	0.218	41
1907729	Soil		0.6	60.8	26.5	196	<0.1	94.0	31.4	911	5.40	19.2	1.6	2.3	98	1.6	2.5	<0.1	133	1.79	0.195	27
1907730	Soil		0.4	98.5	75.8	548	0.2	166.5	46.2	1119	7.95	127.0	16.0	1.5	78	2.9	5.0	<0.1	180	1.52	0.175	19
1907731	Soil		1.2	40.6	370.7	2708	0.3	45.6	22.1	1695	5.04	46.2	5.2	1.7	102	13.2	4.8	0.1	86	1.27	0.177	35
1907732	Soil		0.8	31.3	24.8	155	<0.1	50.8	21.4	1184	4.35	26.5	2.1	2.6	88	0.5	2.0	0.2	92	1.11	0.147	37
1907733	Soil		1.6	102.6	510.9	1777	0.4	244.5	84.7	2599	10.76	219.8	22.4	3.4	98	8.7	56.3	<0.1	219	1.90	0.362	39
1907734	Soil		1.3	60.7	122.5	448	0.2	69.0	39.4	1697	6.83	40.0	7.1	4.2	101	1.9	10.8	0.2	133	0.94	0.252	67
1907735	Soil		1.0	46.8	313.6	996	0.4	62.4	35.5	1739	6.72	49.8	2.8	3.9	144	4.6	8.3	0.1	140	1.01	0.279	59
1907736	Soil		1.4	106.4	575.1	1891	0.5	159.8	58.2	1968	9.63	325.6	61.3	3.1	90	13.2	38.9	<0.1	217	1.48	0.315	52
1907737	Soil		1.3	59.4	42.4	128	0.2	96.0	34.5	1682	5.18	32.3	2.1	2.4	51	0.8	3.0	0.2	107	0.84	0.151	29
1907738	Soil		3.9	209.2	1411.5	2210	2.2	155.4	53.0	2467	7.65	313.6	19.4	3.2	61	13.3	59.5	0.3	108	1.04	0.215	39
1907739	Soil		1.0	47.4	24.8	136	0.1	63.9	30.5	1169	4.09	23.4	3.6	1.5	47	1.4	2.4	0.2	99	0.82	0.116	23
1907740	Soil		0.8	37.9	14.9	104	<0.1	63.5	26.5	1017	4.63	18.0	1.9	1.4	60	1.1	1.1	0.2	118	1.07	0.115	24

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Project: Keno Silver
Report Date: August 09, 2017

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1907710	Soil	69	0.23	158	0.011	<1	0.56	0.006	0.04	0.1	3.25	17.8	0.2	0.07	3	0.9	<0.2
1907711	Soil	214	1.90	161	0.060	<1	2.12	0.006	0.09	<0.1	0.60	19.4	0.2	0.09	11	<0.5	<0.2
1907712	Soil	174	1.88	252	0.101	<1	2.01	0.006	0.07	0.1	0.68	10.6	0.2	<0.05	11	<0.5	<0.2
1907713	Soil	100	1.31	169	0.020	1	2.00	0.011	0.07	<0.1	1.16	12.7	0.4	0.11	7	1.2	<0.2
1907714	Soil	155	1.75	187	0.045	2	2.46	0.009	0.05	0.1	0.18	10.7	<0.1	0.09	10	1.1	<0.2
1907715	Soil	396	2.72	225	0.216	<1	3.16	0.007	0.16	<0.1	0.06	13.4	0.2	0.10	12	0.7	<0.2
1907716	Soil	400	2.89	293	0.231	3	2.97	0.008	0.25	0.1	0.08	12.4	0.2	0.11	12	1.0	<0.2
1907717	Soil	171	3.74	289	0.211	1	3.75	0.008	0.20	0.1	0.05	7.1	0.3	0.07	17	0.7	<0.2
1907718	Soil	112	2.20	280	0.165	<1	2.55	0.010	0.07	0.2	0.09	5.7	0.1	<0.05	12	0.7	<0.2
1907719	Soil	151	2.10	596	0.096	2	2.21	0.012	0.05	<0.1	0.11	8.1	0.2	0.20	8	0.8	<0.2
1907720	Soil	263	3.99	751	0.194	1	3.28	0.011	0.08	<0.1	0.08	11.8	0.2	0.10	10	0.7	<0.2
1907721	Soil	158	1.32	211	0.042	<1	1.60	0.005	0.03	<0.1	1.53	24.5	0.2	<0.05	7	<0.5	<0.2
1907723	Soil	115	1.95	147	0.099	2	2.13	0.009	0.07	0.2	4.64	11.2	0.3	<0.05	10	1.1	<0.2
1907724	Soil	143	1.18	253	0.028	2	1.58	0.008	0.03	<0.1	1.87	21.1	0.3	<0.05	6	0.7	<0.2
1907725	Soil	159	2.22	262	0.095	2	2.71	0.011	0.05	0.1	0.15	10.1	0.2	<0.05	11	0.7	<0.2
1907726	Soil	115	1.61	220	0.064	1	2.21	0.009	0.03	0.2	0.12	8.2	<0.1	<0.05	9	0.5	<0.2
1907727	Soil	108	2.08	240	0.124	1	2.54	0.011	0.05	0.2	0.07	7.1	0.2	<0.05	12	<0.5	<0.2
1907728	Soil	111	2.23	280	0.152	<1	2.51	0.012	0.09	0.2	0.05	6.2	0.2	<0.05	13	<0.5	<0.2
1907729	Soil	155	2.32	480	0.187	2	2.31	0.010	0.11	0.2	0.05	8.4	0.2	<0.05	10	0.5	<0.2
1907730	Soil	306	4.17	751	0.159	1	3.15	0.008	0.16	0.1	0.17	16.8	0.1	<0.05	12	0.5	<0.2
1907731	Soil	65	1.02	217	0.053	<1	1.80	0.011	0.05	0.2	0.88	10.3	<0.1	<0.05	6	0.6	<0.2
1907732	Soil	88	1.34	479	0.088	2	2.14	0.012	0.05	0.2	0.07	9.3	0.1	<0.05	7	<0.5	<0.2
1907733	Soil	212	1.10	169	0.022	<1	1.29	0.007	0.03	<0.1	1.34	26.4	0.2	<0.05	6	<0.5	<0.2
1907734	Soil	102	1.10	181	0.048	1	1.60	0.011	0.06	0.2	0.48	11.7	0.1	<0.05	7	0.7	<0.2
1907735	Soil	122	2.48	232	0.154	1	2.83	0.012	0.07	0.2	0.35	7.3	0.2	<0.05	13	<0.5	<0.2
1907736	Soil	182	1.56	397	0.041	<1	1.79	0.010	0.04	<0.1	1.35	22.6	0.2	<0.05	8	0.7	<0.2
1907737	Soil	145	1.54	183	0.037	1	2.37	0.011	0.04	0.2	0.12	10.2	<0.1	<0.05	8	0.5	<0.2
1907738	Soil	149	1.06	140	0.015	1	1.89	0.009	0.07	0.1	1.46	15.6	0.1	<0.05	6	1.3	<0.2
1907739	Soil	92	1.21	189	0.031	<1	2.33	0.010	0.03	0.2	0.07	6.7	0.1	<0.05	7	0.6	<0.2
1907740	Soil	81	1.21	303	0.100	<1	2.25	0.010	0.05	0.2	0.06	7.7	<0.1	<0.05	8	<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
1907741	Soil		0.7	47.1	183.6	764	0.3	89.3	29.3	1344	5.47	71.1	3.7	1.9	58	4.6	2.6	0.1	111	1.04	0.114	24
1907742	Soil		0.9	39.6	31.9	140	0.1	48.7	18.3	870	3.81	39.2	2.7	2.9	63	0.5	1.5	0.2	83	0.67	0.124	27
1907743	Soil		1.0	32.8	25.9	87	<0.1	36.0	19.2	1037	4.12	16.0	4.3	2.3	31	0.5	1.3	0.2	84	0.43	0.083	20
1907744	Soil		0.7	25.4	25.7	107	<0.1	28.9	13.9	385	3.44	53.4	4.6	2.2	41	0.2	1.8	0.1	77	0.50	0.112	19
1907745	Soil		2.2	46.5	25.5	100	<0.1	76.0	25.9	1135	4.81	16.3	2.3	1.7	23	0.6	2.3	0.2	85	0.23	0.105	19
1907746	Soil		0.6	46.1	40.1	212	0.1	71.1	22.3	779	3.69	19.1	0.8	0.6	82	1.8	6.0	0.1	89	1.74	0.150	16
1907747	Soil		0.6	57.5	18.3	168	0.2	56.0	18.8	786	3.71	14.6	<0.5	0.7	63	2.0	1.1	0.2	84	1.21	0.137	21
1907748	Soil		1.5	31.5	68.8	125	0.2	40.6	22.1	1385	4.65	14.5	<0.5	1.2	17	0.7	1.3	0.3	92	0.26	0.084	14
1907749	Soil		0.9	32.7	42.4	110	<0.1	52.5	25.1	1604	4.68	16.4	1.2	3.1	33	0.5	1.3	0.2	93	0.51	0.109	25
1907750	Soil		0.9	23.7	27.7	80	0.1	34.6	15.0	812	3.82	11.9	<0.5	1.5	23	0.5	0.7	0.2	83	0.40	0.074	18
1907751	Soil		0.8	56.9	19.9	123	0.1	47.8	22.9	710	4.98	24.8	2.8	3.8	74	0.3	4.2	0.2	117	0.82	0.165	27
1907752	Soil		1.3	35.1	41.6	118	0.2	47.6	19.6	902	3.88	22.9	2.8	1.0	30	0.6	3.4	0.2	61	0.51	0.122	20
1907753	Soil		0.9	44.5	22.1	94	0.1	73.3	22.8	910	3.92	14.8	0.8	1.3	35	0.6	1.5	0.2	83	0.66	0.126	22
1907754	Soil		0.8	35.3	664.2	1439	0.3	40.8	20.7	1104	3.76	18.2	2.9	1.7	32	29.9	112.4	0.2	77	0.56	0.101	16
1907755	Soil		0.8	21.0	26.8	127	<0.1	34.8	16.2	721	3.81	11.1	0.6	0.9	23	1.0	0.9	0.2	81	0.42	0.079	13
1907756	Soil		1.0	23.1	39.0	106	<0.1	53.4	28.8	1226	5.92	19.3	<0.5	3.0	36	0.3	1.3	0.2	118	0.50	0.164	16
1907757	Soil		1.4	51.9	140.7	662	0.2	78.7	27.1	1612	5.92	106.4	4.1	0.6	50	11.7	15.0	0.2	72	1.38	0.183	19
1907758	Soil		1.8	75.2	153.5	459	0.4	138.3	38.5	1103	6.87	81.0	13.0	2.1	45	2.2	19.5	0.2	72	0.81	0.198	28
1907759	Soil		1.5	31.5	228.6	899	0.2	30.9	22.2	1367	3.64	51.2	6.9	1.2	40	9.1	7.2	0.3	59	0.80	0.119	16
1907760	Soil		1.3	29.4	38.3	111	<0.1	37.7	22.0	1432	4.43	19.5	0.8	3.0	16	0.7	2.4	0.3	69	0.23	0.079	17
1907761	Soil		0.8	51.5	82.2	256	0.2	67.7	25.1	1035	3.68	34.4	1.7	0.4	77	4.4	5.8	0.1	82	2.48	0.167	17
1907762	Soil		2.1	56.6	1441.4	991	1.0	67.7	23.4	987	6.10	133.3	3.4	1.0	28	6.3	31.1	0.4	72	0.42	0.170	17
1543819	Soil		3.8	114.8	307.3	446	0.3	93.9	61.0	3242	8.96	117.4	1.2	4.8	77	3.1	12.0	0.2	76	0.99	0.285	30
1543820	Soil		4.2	120.4	103.3	185	0.2	123.5	60.0	2551	6.85	40.5	1.6	11.8	98	0.7	5.3	0.5	97	1.03	0.309	66
1543821	Soil		2.8	110.9	41.5	125	0.4	91.6	37.9	1230	7.51	243.0	30.8	3.6	77	0.4	13.5	0.4	66	0.78	0.203	33
1543823	Soil		1.5	39.8	55.4	80	<0.1	27.5	24.1	1793	4.67	19.0	1.3	2.6	11	0.1	2.4	0.6	37	0.13	0.112	15
1543824	Soil		1.3	29.2	23.2	78	<0.1	27.1	19.7	1122	3.34	24.8	4.3	1.2	9	0.2	2.8	0.3	46	0.07	0.060	15
1543825	Soil		1.8	25.7	28.8	56	<0.1	19.9	16.0	1066	4.02	19.8	1.6	3.1	9	0.2	1.6	0.4	54	0.07	0.061	16
1543826	Soil		1.4	29.9	40.0	64	0.2	23.5	18.3	1187	4.41	22.0	1.0	0.6	10	0.2	3.6	0.5	43	0.08	0.125	15
1543827	Soil		1.6	73.9	72.6	85	0.1	38.7	36.5	2186	3.83	31.2	2.5	2.8	19	0.2	4.3	0.6	35	0.25	0.087	23

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1907741	Soil	150	1.92	303	0.116	<1	2.18	0.008	0.06	0.1	0.54	11.2	<0.1	<0.05	8	<0.5	<0.2
1907742	Soil	80	1.08	260	0.075	1	1.85	0.012	0.05	0.2	0.08	6.2	<0.1	<0.05	6	<0.5	<0.2
1907743	Soil	62	1.07	217	0.101	<1	1.99	0.008	0.07	0.2	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
1907744	Soil	55	0.92	176	0.069	<1	1.66	0.009	0.05	0.2	0.05	4.2	0.1	<0.05	6	<0.5	<0.2
1907745	Soil	95	0.89	147	0.027	<1	2.05	0.008	0.06	0.2	0.04	3.6	0.1	<0.05	8	0.6	<0.2
1907746	Soil	132	1.51	261	0.036	2	1.76	0.010	0.04	0.1	0.07	5.5	<0.1	0.09	6	<0.5	<0.2
1907747	Soil	89	1.03	286	0.036	<1	1.90	0.009	0.05	0.1	0.05	5.4	0.1	0.05	6	0.6	<0.2
1907748	Soil	78	0.80	203	0.143	<1	1.83	0.008	0.06	<0.1	0.04	4.1	<0.1	<0.05	7	<0.5	<0.2
1907749	Soil	90	1.30	262	0.143	<1	2.11	0.009	0.07	0.1	0.04	7.0	0.1	<0.05	8	<0.5	<0.2
1907750	Soil	69	0.90	277	0.123	<1	1.83	0.010	0.09	0.1	0.04	4.6	<0.1	<0.05	7	<0.5	<0.2
1907751	Soil	81	1.64	402	0.124	<1	2.00	0.011	0.09	0.1	0.07	9.1	0.1	<0.05	7	<0.5	<0.2
1907752	Soil	56	0.55	207	0.020	<1	1.84	0.009	0.07	0.2	0.08	3.6	0.1	<0.05	5	0.6	<0.2
1907753	Soil	124	1.24	205	0.039	<1	2.02	0.009	0.06	0.2	0.05	6.8	<0.1	<0.05	7	0.6	<0.2
1907754	Soil	70	0.98	222	0.095	<1	1.68	0.008	0.07	0.1	2.36	4.9	<0.1	<0.05	6	<0.5	<0.2
1907755	Soil	69	0.85	239	0.094	<1	1.77	0.010	0.06	0.1	0.04	3.3	<0.1	<0.05	7	<0.5	<0.2
1907756	Soil	101	1.50	183	0.238	<1	2.27	0.008	0.08	0.2	0.02	5.4	<0.1	<0.05	9	<0.5	<0.2
1907757	Soil	57	0.39	195	0.023	<1	1.25	0.010	0.05	0.1	0.14	6.8	0.1	0.10	5	0.7	<0.2
1907758	Soil	113	0.75	155	0.016	4	1.95	0.007	0.05	0.1	0.23	12.8	<0.1	<0.05	6	1.3	<0.2
1907759	Soil	40	0.54	110	0.034	2	1.26	0.009	0.07	0.1	0.36	5.8	<0.1	0.12	5	1.0	<0.2
1907760	Soil	59	0.82	115	0.132	3	1.76	0.005	0.06	0.1	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
1907761	Soil	137	0.99	148	0.022	2	1.59	0.009	0.03	<0.1	0.19	6.2	<0.1	0.20	6	0.6	<0.2
1907762	Soil	76	0.60	198	0.038	2	1.56	0.007	0.08	0.1	0.73	5.8	0.1	0.06	6	<0.5	<0.2
1543819	Soil	73	1.02	236	0.021	2	1.41	0.006	0.06	0.1	0.17	17.2	0.2	<0.05	5	1.0	<0.2
1543820	Soil	177	2.84	147	0.058	3	3.32	0.006	0.04	0.1	0.09	11.8	0.1	<0.05	10	0.6	<0.2
1543821	Soil	62	0.77	137	0.016	2	1.47	0.008	0.05	0.1	0.15	12.9	<0.1	0.08	5	1.3	<0.2
1543823	Soil	30	0.44	92	0.029	2	1.84	0.004	0.05	0.1	0.05	2.0	<0.1	0.07	6	<0.5	<0.2
1543824	Soil	27	0.37	97	0.033	1	1.45	0.005	0.05	0.1	0.06	2.8	0.1	0.07	5	<0.5	<0.2
1543825	Soil	34	0.35	85	0.037	2	1.85	0.006	0.06	0.2	0.06	2.9	0.1	<0.05	6	<0.5	<0.2
1543826	Soil	32	0.35	84	0.021	3	1.57	0.005	0.06	<0.1	0.08	1.5	<0.1	0.12	6	<0.5	<0.2
1543827	Soil	35	0.64	97	0.015	<1	2.10	0.005	0.07	<0.1	0.06	3.5	<0.1	<0.05	5	<0.5	<0.2

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Project: Keno Silver
Report Date: August 09, 2017

CERTIFICATE OF ANALYSIS WHI17000351.1

		Method	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
1543828	Soil		3.3	65.3	142.4	282	0.2	49.7	45.7	3265	7.22	76.1	3.4	5.1	65	2.0	9.0	0.2	61	0.98	0.307	30
1543829	Soil		2.2	101.6	114.7	129	0.2	57.2	50.2	1715	5.09	44.6	4.3	10.7	28	0.4	4.6	0.7	44	0.32	0.097	29
1543830	Soil		1.9	107.1	210.5	468	0.5	135.0	51.5	2363	8.99	178.9	6.6	4.2	107	2.4	47.0	0.3	50	0.75	0.206	34
1543831	Soil		0.9	61.7	175.0	475	0.2	112.0	43.9	1833	9.22	138.7	4.6	3.3	89	2.3	20.5	0.2	61	0.93	0.211	31
1543832	Soil		1.5	23.0	23.4	72	<0.1	19.9	14.6	1230	2.92	12.6	2.8	0.8	11	0.2	1.1	0.4	56	0.11	0.065	14
1543833	Soil		1.6	26.6	50.5	72	<0.1	21.5	16.4	1507	5.01	21.9	1.4	2.7	8	0.1	1.6	0.6	43	0.07	0.072	10
1543834	Soil		1.4	28.0	33.2	75	<0.1	26.9	17.0	923	3.37	22.2	1.9	1.3	8	0.2	2.7	0.5	40	0.06	0.053	12
1543835	Soil		1.7	38.3	46.2	73	0.1	23.7	20.2	1184	4.93	25.0	2.2	3.1	8	0.2	2.5	0.7	44	0.08	0.079	15
1543836	Soil		1.2	39.9	41.1	83	<0.1	26.2	18.4	1574	3.54	19.1	0.9	1.1	16	0.2	4.0	0.4	31	0.24	0.062	13
1543837	Soil		1.9	72.5	84.7	120	0.2	47.7	30.1	2012	4.12	57.1	2.1	2.1	46	0.7	5.1	0.4	52	0.64	0.092	16
1543838	Soil		2.3	137.6	142.2	370	0.2	70.7	53.7	2615	8.38	95.4	1.3	3.1	56	2.1	8.6	0.3	77	0.78	0.106	20
1543839	Soil		1.8	66.1	112.6	157	0.2	43.4	28.9	1849	4.57	29.2	4.0	8.7	37	0.6	3.7	0.4	53	0.48	0.123	42
1543840	Soil		1.5	54.1	458.9	3122	0.3	93.6	35.1	5619	7.62	47.0	18.6	8.0	99	37.8	4.7	0.5	66	0.74	0.216	41
1543841	Soil		1.3	54.3	211.0	336	0.2	49.2	19.7	1074	5.86	52.8	7.0	2.6	67	1.2	20.0	0.2	43	0.53	0.157	42
1543842	Soil		1.1	31.0	48.4	78	0.1	26.4	15.2	974	4.21	9.7	2.1	2.4	8	0.3	3.2	0.4	38	0.07	0.073	14
1543843	Soil		0.8	40.9	27.3	68	<0.1	33.3	18.0	1065	2.70	35.0	2.2	5.9	12	0.1	8.5	0.5	8	0.04	0.027	16
1543844	Soil		1.6	33.9	35.6	80	0.1	29.0	20.2	2602	4.37	31.4	2.8	0.4	14	0.2	4.4	0.4	45	0.17	0.099	10
1543845	Soil		1.2	107.4	34.8	147	0.6	60.5	25.0	1290	4.50	67.4	5.3	3.4	20	0.3	42.0	0.4	36	0.22	0.079	19
1543848	Soil		1.1	20.2	27.0	67	<0.1	24.8	10.5	668	3.52	16.2	8.0	4.3	12	0.1	1.0	0.3	55	0.11	0.036	17
1543849	Soil		1.1	36.6	60.0	93	0.1	25.1	16.6	946	4.04	11.0	1.7	1.3	7	0.5	1.8	0.5	30	0.08	0.125	18
1543850	Soil		0.7	23.8	51.0	101	<0.1	35.4	19.2	1446	3.90	4.6	<0.5	5.5	24	0.4	1.2	0.3	25	0.17	0.055	29
1543851	Soil		1.6	79.4	70.8	209	0.2	55.5	41.7	2363	7.49	40.1	6.2	5.9	55	0.7	4.4	0.3	105	0.74	0.186	29
1543852	Soil		1.0	71.8	70.1	159	0.3	64.3	32.7	1170	6.14	71.5	7.7	2.9	60	0.5	8.6	0.3	59	0.93	0.115	17
1543853	Soil		1.4	84.4	101.1	208	0.4	59.5	34.6	1830	8.54	72.5	3.9	3.6	60	0.7	9.1	0.3	77	0.75	0.131	19
1543854	Soil		1.5	78.0	504.3	994	0.7	83.0	30.3	1980	6.20	34.6	2.6	4.7	68	7.3	12.3	0.5	79	0.75	0.146	26
1543855	Soil		1.2	46.2	79.1	97	0.1	33.5	22.6	1248	4.20	23.2	1.2	1.6	10	0.3	2.5	0.5	22	0.09	0.096	15
1543856	Soil		1.2	43.2	46.3	67	<0.1	25.7	19.1	1116	3.18	20.1	1.7	1.8	9	0.2	1.6	0.5	33	0.08	0.047	19
1543857	Soil		2.8	46.2	61.5	138	0.3	45.6	26.6	3247	7.57	59.7	8.7	6.2	13	0.7	12.9	0.6	45	0.09	0.100	29
1543858	Soil		0.9	45.3	43.5	70	<0.1	23.4	16.8	1011	2.66	11.7	2.4	3.1	14	0.2	1.9	0.3	35	0.14	0.054	22
1543859	Soil		1.1	17.2	36.7	227	<0.1	14.8	6.9	225	2.52	10.9	2.5	2.6	9	4.6	1.1	0.3	48	0.08	0.030	18

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Project: Keno Silver
Report Date: August 09, 2017

CERTIFICATE OF ANALYSIS WHI17000351.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1543828	Soil	42	0.73	194	0.014	4	1.29	0.007	0.07	0.1	0.13	10.6	0.3	0.07	4	<0.5	<0.2
1543829	Soil	46	0.84	115	0.024	2	1.78	0.007	0.06	0.1	0.09	7.2	0.2	0.07	5	<0.5	<0.2
1543830	Soil	50	0.33	173	0.017	<1	0.75	0.007	0.05	0.1	0.39	16.2	0.1	<0.05	2	0.6	<0.2
1543831	Soil	49	0.41	129	0.013	<1	0.97	0.008	0.04	0.1	0.29	17.2	<0.1	<0.05	3	1.0	<0.2
1543832	Soil	32	0.44	119	0.037	2	2.23	0.006	0.06	0.2	0.04	2.0	0.2	0.05	6	<0.5	<0.2
1543833	Soil	27	0.31	70	0.033	<1	1.65	0.004	0.06	<0.1	0.08	2.1	0.1	0.06	6	0.7	<0.2
1543834	Soil	23	0.28	76	0.028	<1	1.39	0.005	0.05	0.1	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
1543835	Soil	33	0.38	55	0.035	<1	1.73	0.004	0.05	0.1	0.09	2.5	<0.1	0.05	7	0.7	<0.2
1543836	Soil	27	0.43	88	0.019	<1	1.22	0.006	0.05	<0.1	0.04	1.8	<0.1	0.06	4	<0.5	<0.2
1543837	Soil	37	0.63	160	0.019	3	1.35	0.007	0.06	0.2	0.11	7.6	0.1	0.11	4	0.8	<0.2
1543838	Soil	58	0.75	140	0.016	2	1.50	0.007	0.05	0.1	0.09	20.9	0.1	0.08	4	0.6	<0.2
1543839	Soil	44	0.76	131	0.021	<1	1.42	0.008	0.08	0.2	0.08	6.7	0.1	<0.05	4	0.6	<0.2
1543840	Soil	68	0.38	208	0.019	1	0.88	0.005	0.08	0.1	0.94	10.1	0.2	<0.05	3	0.6	<0.2
1543841	Soil	24	0.25	176	0.010	<1	0.95	0.008	0.04	<0.1	0.28	5.3	0.1	<0.05	3	<0.5	<0.2
1543842	Soil	27	0.30	66	0.026	<1	1.66	0.006	0.05	<0.1	0.09	2.4	<0.1	0.10	5	<0.5	<0.2
1543843	Soil	7	0.10	45	0.004	<1	0.31	0.003	0.05	<0.1	0.09	2.7	<0.1	<0.05	<1	<0.5	<0.2
1543844	Soil	31	0.31	122	0.016	<1	1.46	0.007	0.06	<0.1	0.06	1.4	<0.1	0.12	6	0.7	<0.2
1543845	Soil	30	0.32	92	0.032	<1	1.05	0.006	0.05	0.1	0.13	5.1	<0.1	<0.05	4	0.6	<0.2
1543848	Soil	29	0.41	110	0.050	<1	1.59	0.006	0.06	0.2	0.04	3.2	0.1	<0.05	5	<0.5	<0.2
1543849	Soil	26	0.35	82	0.008	2	1.86	0.007	0.13	<0.1	0.07	1.0	0.1	0.10	5	<0.5	<0.2
1543850	Soil	16	0.15	121	0.002	2	0.55	0.005	0.16	<0.1	0.09	2.9	<0.1	<0.05	1	<0.5	<0.2
1543851	Soil	21	0.66	170	0.012	<1	1.22	0.006	0.07	0.1	0.57	15.0	0.1	<0.05	4	<0.5	<0.2
1543852	Soil	46	0.49	109	0.014	3	0.85	0.009	0.07	0.2	0.20	15.1	0.1	<0.05	3	1.1	<0.2
1543853	Soil	45	0.46	136	0.006	1	1.13	0.007	0.07	<0.1	0.31	19.7	0.1	<0.05	3	<0.5	<0.2
1543854	Soil	88	0.72	177	0.009	2	1.08	0.006	0.06	<0.1	0.76	11.7	0.1	<0.05	4	0.6	<0.2
1543855	Soil	22	0.35	84	0.005	2	1.73	0.004	0.10	<0.1	0.07	1.7	0.1	<0.05	3	<0.5	<0.2
1543856	Soil	21	0.33	80	0.019	<1	1.24	0.005	0.06	0.1	0.04	1.6	<0.1	0.05	3	<0.5	<0.2
1543857	Soil	28	0.36	137	0.035	2	1.26	0.005	0.07	0.2	0.06	6.9	0.2	<0.05	3	<0.5	<0.2
1543858	Soil	23	0.39	104	0.032	1	1.16	0.006	0.06	0.2	0.05	2.0	0.1	<0.05	3	<0.5	<0.2
1543859	Soil	19	0.20	95	0.028	<1	1.14	0.005	0.06	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2

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Project: Keno Silver
Report Date: August 09, 2017

CERTIFICATE OF ANALYSIS WHI17000351.1

	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
1543860	Soil	9.4	87.2	132.0	133	0.3	43.0	29.7	6469	4.60	180.3	3.4	3.3	64	1.2	7.7	0.6	38	0.73	0.094	18
1543861	Soil	2.0	106.6	115.0	104	0.2	42.9	34.0	3587	4.89	36.2	13.5	2.9	47	0.3	4.3	0.7	47	0.46	0.117	26
1543862	Soil	1.7	119.0	80.9	206	0.2	83.1	39.1	1451	6.95	32.8	3.9	2.9	53	0.8	7.9	0.2	109	0.83	0.148	29
1543863	Soil	1.8	101.3	119.0	268	0.3	70.4	40.1	2289	7.61	38.8	7.4	3.9	56	1.4	6.5	0.3	125	0.84	0.171	28

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
1543860	Soil	32	0.45	201	0.010	2	1.03	0.007	0.11	0.1	0.15	6.1	0.2	0.12	3	0.5	<0.2
1543861	Soil	43	0.67	171	0.016	2	1.79	0.008	0.11	0.1	0.10	4.9	0.2	0.10	5	0.9	<0.2
1543862	Soil	128	1.05	181	0.011	2	1.64	0.008	0.04	<0.1	1.07	23.7	0.2	0.07	6	<0.5	<0.2
1543863	Soil	79	1.18	197	0.014	1	1.52	0.009	0.06	<0.1	0.65	19.1	0.2	<0.05	6	<0.5	<0.2

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QUALITY CONTROL REPORT WHI17000351.1

	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
Pulp Duplicates																					
1907643	Soil	1.6	16.9	20.8	91	<0.1	23.9	9.7	565	3.23	12.2	0.6	3.9	10	<0.1	0.8	0.3	58	0.08	0.038	12
REP 1907643	QC	1.6	16.7	20.0	86	<0.1	22.8	9.3	536	3.18	11.6	0.9	4.0	10	<0.1	0.8	0.3	57	0.07	0.038	12
1907710	Soil	2.7	148.9	4457.8	>10000	3.2	145.1	60.1	3943	9.43	492.3	56.3	1.8	83	96.1	175.0	0.2	70	1.00	0.315	25
REP 1907710	QC	2.5	148.9	4537.5	>10000	3.1	141.2	60.7	3662	8.91	478.5	55.3	1.8	79	91.8	176.9	0.2	68	0.99	0.309	25
1907746	Soil	0.6	46.1	40.1	212	0.1	71.1	22.3	779	3.69	19.1	0.8	0.6	82	1.8	6.0	0.1	89	1.74	0.150	16
REP 1907746	QC	0.5	44.2	39.3	195	0.1	69.7	22.0	754	3.51	19.3	<0.5	0.6	79	1.7	5.9	0.1	87	1.76	0.142	15
1543838	Soil	2.3	137.6	142.2	370	0.2	70.7	53.7	2615	8.38	95.4	1.3	3.1	56	2.1	8.6	0.3	77	0.78	0.106	20
REP 1543838	QC	2.2	136.9	143.1	359	0.2	69.7	53.6	2532	8.49	96.2	2.0	3.2	55	2.3	8.2	0.3	73	0.78	0.117	20
1543860	Soil	9.4	87.2	132.0	133	0.3	43.0	29.7	6469	4.60	180.3	3.4	3.3	64	1.2	7.7	0.6	38	0.73	0.094	18
REP 1543860	QC	9.2	90.5	134.3	137	0.3	41.9	30.7	6558	4.98	176.0	3.2	3.4	65	1.2	7.6	0.6	35	0.70	0.091	18
Reference Materials																					
STD DS10	Standard	14.7	150.3	148.6	360	1.8	75.4	13.1	900	2.85	46.9	64.7	7.5	66	2.7	8.7	12.3	44	1.06	0.080	18
STD DS10	Standard	14.2	154.3	149.9	363	1.9	74.1	12.9	848	2.71	46.3	73.6	7.5	66	2.9	8.8	12.4	44	1.02	0.076	17
STD DS10	Standard	14.4	156.0	158.8	383	2.0	77.2	13.3	942	2.89	47.5	77.2	8.6	72	2.9	9.4	13.8	42	1.19	0.082	20
STD DS10	Standard	14.3	156.9	153.2	344	2.0	73.5	11.9	891	2.65	45.4	101.2	7.9	69	2.7	8.8	13.1	46	1.08	0.078	18
STD DS10	Standard	13.7	151.2	151.5	346	1.9	68.5	13.1	845	2.67	43.9	75.6	8.4	69	2.7	8.9	13.2	44	1.13	0.070	19
STD DS10	Standard	15.5	160.5	157.6	369	2.0	79.5	13.5	913	2.86	47.0	81.1	8.4	71	2.7	9.1	13.0	47	1.11	0.077	20
STD DS11	Standard	12.7	140.8	134.6	333	1.7	74.5	13.5	994	3.12	43.4	83.1	7.1	63	2.5	8.0	11.5	47	1.01	0.074	17
STD DS11	Standard	12.9	148.7	136.4	333	1.8	79.4	13.7	1034	3.04	43.8	67.3	7.8	64	2.4	7.9	12.0	50	1.00	0.064	17
STD DS11	Standard	13.9	157.4	138.4	355	1.8	75.0	14.1	1033	3.32	45.8	64.7	7.8	67	2.7	8.0	12.1	52	0.99	0.071	19
STD DS11	Standard	13.5	153.3	134.9	338	1.8	80.1	13.8	1045	3.21	44.0	72.9	7.4	66	2.3	8.1	12.3	54	1.01	0.064	19
STD DS11	Standard	13.7	147.7	141.4	356	1.8	81.1	14.8	994	3.28	42.3	59.3	8.5	66	2.5	8.3	12.7	54	1.13	0.068	19
STD DS11	Standard	14.9	157.6	143.3	362	1.9	83.7	13.5	1067	3.24	47.1	65.4	8.2	69	2.6	8.7	12.5	51	1.07	0.075	20
STD OXC129	Standard	1.3	27.4	6.1	42	<0.1	79.2	21.2	438	3.17	0.8	207.6	1.8	190	<0.1	<0.1	<0.1	53	0.71	0.111	12
STD OXC129	Standard	1.3	26.0	6.4	39	<0.1	73.8	18.7	399	2.85	<0.5	192.9	1.8	183	<0.1	<0.1	<0.1	53	0.64	0.097	12
STD OXC129	Standard	1.2	27.2	6.5	41	<0.1	76.8	20.8	430	3.17	0.5	196.0	1.9	185	<0.1	<0.1	<0.1	54	0.73	0.104	13
STD OXC129	Standard	1.2	28.1	6.5	41	<0.1	82.5	21.0	426	3.13	<0.5	196.0	2.0	191	<0.1	<0.1	<0.1	59	0.79	0.099	13
STD OXC129	Standard	1.1	26.9	6.4	39	<0.1	78.6	20.5	394	2.95	<0.5	192.5	1.8	183	<0.1	<0.1	<0.1	53	0.78	0.100	13

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 09, 2017

QUALITY CONTROL REPORT WHI17000351.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
Pulp Duplicates																	
1907643	Soil	32	0.38	93	0.040	<1	2.00	0.006	0.06	0.2	0.05	2.9	0.2	<0.05	6	<0.5	<0.2
REP 1907643	QC	30	0.36	91	0.038	3	1.91	0.006	0.05	0.2	0.05	2.9	0.1	<0.05	6	0.6	<0.2
1907710	Soil	69	0.23	158	0.011	<1	0.56	0.006	0.04	0.1	3.25	17.8	0.2	0.07	3	0.9	<0.2
REP 1907710	QC	65	0.23	155	0.010	2	0.51	0.006	0.04	0.1	3.31	16.4	0.2	0.08	3	0.8	<0.2
1907746	Soil	132	1.51	261	0.036	2	1.76	0.010	0.04	0.1	0.07	5.5	<0.1	0.09	6	<0.5	<0.2
REP 1907746	QC	127	1.54	252	0.035	1	1.77	0.010	0.04	<0.1	0.06	5.4	<0.1	0.09	6	<0.5	<0.2
1543838	Soil	58	0.75	140	0.016	2	1.50	0.007	0.05	0.1	0.09	20.9	0.1	0.08	4	0.6	<0.2
REP 1543838	QC	53	0.74	149	0.015	3	1.48	0.007	0.05	0.1	0.10	18.3	0.1	<0.05	5	<0.5	<0.2
1543860	Soil	32	0.45	201	0.010	2	1.03	0.007	0.11	0.1	0.15	6.1	0.2	0.12	3	0.5	<0.2
REP 1543860	QC	31	0.45	196	0.010	4	1.12	0.007	0.13	0.1	0.15	5.7	0.3	0.06	3	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	56	0.74	336	0.080	6	1.01	0.070	0.30	3.3	0.28	3.0	5.3	0.25	5	2.4	5.2
STD DS10	Standard	54	0.78	334	0.079	8	1.04	0.072	0.33	3.3	0.33	2.8	5.1	0.25	4	1.8	4.6
STD DS10	Standard	55	0.86	379	0.088	6	1.15	0.069	0.32	3.2	0.31	3.2	5.4	0.34	4	2.1	5.3
STD DS10	Standard	57	0.84	347	0.082	6	1.17	0.064	0.33	3.2	0.31	3.2	5.1	0.33	5	1.6	4.6
STD DS10	Standard	55	0.81	340	0.081	6	1.05	0.065	0.34	3.1	0.28	2.8	5.2	0.32	4	2.6	4.6
STD DS10	Standard	58	0.82	388	0.089	8	1.13	0.073	0.35	3.3	0.31	3.3	5.7	0.26	4	2.9	5.1
STD DS11	Standard	56	0.81	349	0.086	7	1.06	0.068	0.35	3.0	0.26	3.0	4.7	0.25	5	2.1	4.6
STD DS11	Standard	60	0.79	354	0.090	7	1.07	0.065	0.38	3.1	0.29	3.2	4.7	0.24	5	2.0	4.6
STD DS11	Standard	63	0.75	347	0.094	7	0.98	0.059	0.38	2.9	0.28	3.6	5.0	0.25	5	1.9	4.4
STD DS11	Standard	62	0.86	355	0.093	6	1.12	0.063	0.37	3.0	0.26	3.3	4.8	0.30	5	1.4	4.3
STD DS11	Standard	62	0.87	366	0.096	7	1.16	0.078	0.41	2.8	0.28	3.6	5.0	0.32	5	2.1	4.5
STD DS11	Standard	62	0.87	380	0.096	8	1.20	0.071	0.40	3.0	0.28	3.6	5.1	0.23	5	2.1	4.8
STD OXC129	Standard	55	1.60	52	0.421	<1	1.58	0.597	0.41	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	50	1.49	49	0.397	1	1.47	0.552	0.33	<0.1	0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.65	50	0.406	<1	1.66	0.547	0.38	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	55	1.61	51	0.411	<1	1.52	0.645	0.38	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	50	1.52	51	0.399	<1	1.58	0.561	0.41	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 09, 2017

QUALITY CONTROL REPORT WHI17000351.1

		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	%	%	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
STD OXC129	Standard	1.3	30.3	6.3	42	<0.1	88.6	21.2	449	3.25	0.7	205.2	1.9	194	<0.1	<0.1	<0.1	58	0.75	0.104	13
STD DS10 Expected		15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
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
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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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 09, 2017

QUALITY CONTROL REPORT WHI17000351.1

		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**
STD OXC129	Standard	57	1.56	54	0.434	1	1.60	0.575	0.36	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: October 19, 2017
Report Date: October 31, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI17001083.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno
P.O. Number
Number of Samples: 103

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	103	Dry at 60C			WHI
SS80	103	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	102	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	103	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Stuart Morris
Debbie James

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production 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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Client: **Metallic Minerals Corp.**
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Project: Keno Silver
Report Date: October 31, 2017

CERTIFICATE OF ANALYSIS WHI17001083.1

		Method	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
615101	Soil		1.7	68.1	57.2	152	0.2	83.6	28.9	1052	5.29	66.8	5.7	3.9	65	0.7	9.2	0.3	55	0.52	0.159	26
615102	Soil		1.5	76.5	572.4	1754	0.8	90.0	32.2	1420	8.12	121.9	16.4	1.4	90	8.8	33.3	0.2	138	1.12	0.231	38
615103	Soil		1.3	78.7	1190.3	2897	1.5	108.4	42.9	2309	10.13	132.8	14.1	3.9	129	13.7	56.6	0.1	183	1.09	0.403	89
615104	Soil		2.6	90.7	80.4	865	0.4	138.4	47.5	1449	8.47	210.3	12.0	3.2	148	2.8	9.3	0.2	151	1.48	0.332	53
615106	Soil		4.6	102.0	59.2	394	0.3	195.7	54.5	2175	8.74	122.2	3.0	4.1	127	1.5	6.0	0.2	164	1.01	0.401	59
615107	Soil		5.6	92.3	99.0	563	0.3	145.6	48.9	1480	6.66	89.6	11.8	4.3	120	2.8	19.0	0.2	103	1.15	0.299	36
615109	Soil		0.7	40.0	10.9	112	<0.1	55.1	24.7	1078	5.79	7.1	0.9	2.4	132	0.2	0.9	<0.1	131	1.65	0.217	31
615110	Soil		0.7	49.3	19.2	113	0.1	55.6	25.0	907	5.04	10.9	1.5	2.9	108	0.4	1.3	0.1	103	2.83	0.212	24
615111	Soil		0.7	44.2	17.7	92	0.1	49.9	21.7	791	4.58	11.2	1.2	2.4	82	0.3	1.0	0.1	94	2.19	0.201	22
615112	Soil		0.7	39.9	21.7	105	0.1	42.0	16.9	651	3.37	12.6	3.3	4.1	68	0.4	1.3	0.1	65	2.12	0.138	18
615113	Soil		2.1	58.1	146.8	333	0.2	89.5	34.2	2148	7.75	117.1	6.5	1.9	113	2.0	21.0	0.2	69	0.95	0.388	50
615114	Soil		2.5	84.4	85.0	330	0.2	198.1	58.7	1516	8.52	214.5	9.1	2.3	89	1.9	35.0	<0.1	46	1.23	0.322	26
615115	Soil		2.0	85.9	513.3	1613	0.7	124.1	44.2	1941	10.08	143.7	22.0	2.3	86	7.0	40.0	0.1	154	1.03	0.269	45
615116	Soil		1.4	77.0	154.0	665	0.4	114.2	39.7	1145	7.18	110.8	14.5	1.9	132	2.2	11.7	0.1	154	1.66	0.298	52
615117	Soil		2.6	79.3	200.1	583	0.6	133.0	42.6	1691	9.10	1326.8	643.1	2.6	117	2.5	14.3	0.2	130	1.27	0.237	38
615118	Soil		1.5	78.5	704.9	1466	1.3	105.8	42.3	1752	9.09	160.8	27.2	3.3	103	5.0	19.3	0.1	191	1.07	0.310	68
615119	Soil		1.5	59.7	27.4	143	0.2	87.8	29.2	897	4.87	32.2	4.2	4.0	77	0.5	1.6	0.1	100	0.86	0.185	25
615120	Soil		2.2	48.8	22.0	207	0.2	67.6	21.6	767	3.99	34.1	7.0	3.2	62	0.8	4.9	0.1	77	0.89	0.139	21
615121	Soil		0.8	45.9	15.1	156	<0.1	64.4	24.4	959	4.39	26.6	2.7	3.4	74	0.5	6.9	<0.1	99	1.90	0.188	25
615122	Soil		0.7	44.3	16.6	96	0.1	54.6	24.4	992	4.95	9.0	2.0	2.6	112	0.3	1.2	<0.1	108	4.22	0.244	26
615123	Soil		0.7	35.8	11.8	83	0.1	33.1	12.9	531	2.83	9.7	4.1	3.9	55	0.2	1.0	0.1	54	1.47	0.119	17
615124	Soil		0.7	33.2	12.9	88	0.1	41.5	17.7	642	3.63	8.3	2.1	2.8	98	0.3	0.8	0.1	76	2.96	0.188	19
615125	Soil		2.0	87.8	45.3	205	0.1	109.7	50.5	2558	7.31	49.4	3.1	3.1	68	1.6	11.3	0.4	66	0.64	0.186	30
615126	Soil		3.9	142.7	96.9	263	0.3	190.3	61.3	1820	9.67	149.9	15.6	2.0	65	1.5	30.8	0.2	49	0.64	0.167	21
615127	Soil		2.0	67.4	70.0	204	0.1	182.5	43.0	2059	11.17	781.9	4.5	2.1	50	0.9	12.7	0.1	65	0.74	0.192	26
615128	Soil		1.2	55.5	119.8	333	0.2	67.4	25.3	1213	5.64	52.6	6.6	3.7	49	1.3	10.3	0.3	67	0.55	0.125	33
615129	Soil		1.1	62.4	78.0	211	0.1	73.0	24.9	1014	4.44	28.0	3.1	5.5	69	1.3	5.2	0.2	69	0.74	0.163	30
615130	Soil		1.1	52.3	19.6	113	<0.1	83.3	29.6	995	5.03	9.9	2.1	3.7	125	0.6	1.0	0.1	109	1.24	0.264	37
615131	Soil		1.3	37.7	26.8	145	<0.1	85.9	35.4	1249	6.80	10.1	<0.5	3.3	96	0.6	1.0	0.1	165	0.99	0.223	32
615132	Soil		1.1	59.4	24.2	108	0.1	78.7	27.2	1370	4.93	9.9	1.5	2.2	94	0.6	0.9	0.2	111	1.11	0.207	36

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#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: October 31, 2017

CERTIFICATE OF ANALYSIS WHI17001083.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
615101	Soil	71	0.80	209	0.017	2	1.25	0.006	0.06	0.1	0.17	10.0	<0.1	<0.05	4	0.8	<0.2
615102	Soil	146	1.06	153	0.012	2	1.76	0.006	0.03	<0.1	1.00	13.1	0.1	0.08	7	1.5	<0.2
615103	Soil	161	1.32	222	0.016	1	2.00	0.004	0.04	<0.1	2.42	18.5	0.2	<0.05	9	1.0	<0.2
615104	Soil	222	1.86	198	0.034	2	2.16	0.007	0.09	<0.1	0.57	16.8	0.2	<0.05	9	1.3	<0.2
615106	Soil	249	1.84	163	0.029	5	2.18	0.010	0.08	0.1	0.30	16.5	0.2	<0.05	8	1.4	<0.2
615107	Soil	160	1.88	180	0.048	3	2.26	0.009	0.07	0.2	0.15	11.2	0.1	<0.05	7	1.0	<0.2
615109	Soil	123	2.57	270	0.170	4	2.59	0.008	0.12	0.2	0.05	5.1	0.2	<0.05	12	<0.5	<0.2
615110	Soil	105	2.53	290	0.183	3	2.04	0.008	0.15	0.2	0.05	5.8	0.1	<0.05	9	<0.5	<0.2
615111	Soil	92	2.10	340	0.177	2	1.92	0.007	0.12	0.1	0.05	5.7	<0.1	<0.05	8	0.8	<0.2
615112	Soil	56	1.53	246	0.114	3	1.44	0.014	0.12	0.2	0.06	5.0	0.1	<0.05	5	<0.5	<0.2
615113	Soil	57	0.75	204	0.012	2	1.51	0.005	0.05	0.1	0.16	11.2	0.1	<0.05	4	0.9	<0.2
615114	Soil	67	0.47	188	0.012	2	0.95	0.005	0.06	0.1	0.21	17.0	0.1	<0.05	3	1.3	<0.2
615115	Soil	162	1.25	149	0.013	3	1.78	0.003	0.04	<0.1	1.16	19.1	0.1	<0.05	7	0.7	<0.2
615116	Soil	201	1.61	199	0.026	2	1.95	0.005	0.07	<0.1	0.57	13.8	0.1	0.05	8	0.9	<0.2
615117	Soil	185	1.58	213	0.030	2	2.06	0.005	0.09	<0.1	0.50	17.7	0.2	<0.05	9	1.4	<0.2
615118	Soil	198	2.05	253	0.061	2	2.68	0.005	0.06	<0.1	1.07	15.8	0.2	<0.05	12	1.0	<0.2
615119	Soil	147	2.30	160	0.121	2	2.29	0.011	0.07	0.1	0.09	8.0	0.1	<0.05	7	<0.5	<0.2
615120	Soil	93	1.21	196	0.080	4	1.59	0.014	0.08	0.1	0.06	7.4	0.1	<0.05	6	0.7	<0.2
615121	Soil	116	2.18	229	0.150	3	1.93	0.011	0.17	0.2	0.05	6.6	0.1	<0.05	8	<0.5	<0.2
615122	Soil	102	3.39	293	0.189	4	1.99	0.007	0.17	0.1	0.05	6.4	<0.1	<0.05	8	<0.5	<0.2
615123	Soil	42	1.07	217	0.100	2	1.21	0.015	0.07	0.2	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
615124	Soil	72	2.14	290	0.155	3	1.50	0.011	0.11	0.2	0.04	4.9	<0.1	<0.05	6	<0.5	<0.2
615125	Soil	95	1.00	194	0.026	4	1.78	0.022	0.06	0.3	0.11	13.1	0.1	<0.05	5	<0.5	<0.2
615126	Soil	63	0.50	193	0.013	3	1.14	0.007	0.05	0.1	0.25	16.8	0.1	<0.05	3	1.8	<0.2
615127	Soil	76	0.41	283	0.008	4	1.50	0.004	0.06	0.2	0.11	20.7	0.2	<0.05	4	0.7	<0.2
615128	Soil	84	0.82	151	0.008	2	1.64	0.004	0.05	<0.1	0.29	8.1	<0.1	<0.05	5	<0.5	<0.2
615129	Soil	91	1.22	224	0.093	3	1.55	0.009	0.07	0.1	0.15	6.0	<0.1	<0.05	6	<0.5	<0.2
615130	Soil	155	2.21	331	0.197	5	2.18	0.008	0.23	0.1	0.05	5.1	0.1	<0.05	9	<0.5	<0.2
615131	Soil	210	2.62	278	0.354	3	2.77	0.007	0.14	0.2	0.02	5.5	<0.1	<0.05	12	<0.5	<0.2
615132	Soil	145	1.83	667	0.183	3	2.22	0.009	0.11	0.1	0.03	5.6	<0.1	<0.05	9	<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
		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
615133	Soil		0.7	57.7	16.5	130	<0.1	100.7	35.5	1077	6.40	6.3	1.1	3.6	168	0.3	0.5	<0.1	143	1.52	0.344	40
615134	Soil		1.0	38.0	27.3	143	<0.1	55.1	21.0	768	4.35	15.8	2.8	2.4	80	0.3	2.2	0.1	94	1.07	0.151	26
615135	Soil		0.8	60.1	21.6	141	<0.1	89.8	31.9	959	5.87	10.5	6.2	3.7	158	0.5	1.1	<0.1	128	1.48	0.289	37
615136	Soil		0.8	42.6	21.0	99	0.1	50.7	22.1	676	4.40	9.7	2.8	3.2	119	0.2	1.4	0.1	90	3.65	0.201	21
615137	Soil		1.2	65.7	19.8	133	0.1	95.3	34.7	1277	6.34	104.7	2.8	0.5	129	0.7	14.9	0.2	34	1.92	0.151	9
615138	Soil		0.5	14.4	6.8	39	<0.1	17.1	6.1	318	0.96	5.8	0.6	0.3	123	0.4	2.0	<0.1	12	1.77	0.099	4
615139	Soil		3.8	125.2	50.7	158	0.2	162.3	55.0	1725	7.94	74.4	6.5	1.5	104	0.8	14.8	0.5	50	1.20	0.138	21
615140	Soil		4.1	66.5	46.6	195	0.3	97.3	25.3	751	5.13	30.9	3.8	2.3	54	0.5	4.4	0.4	91	0.47	0.166	46
615141	Soil		0.7	43.4	12.8	106	<0.1	99.4	37.0	1171	6.58	6.1	<0.5	4.3	160	0.2	0.7	0.1	152	1.36	0.348	51
615142	Soil		1.1	23.9	15.8	72	<0.1	46.7	18.6	705	4.42	7.9	0.7	2.2	75	<0.1	0.7	0.2	108	0.93	0.116	25
615143	Soil		1.2	36.2	18.6	114	<0.1	75.0	30.8	1083	5.70	8.6	<0.5	3.4	104	0.1	0.7	0.2	141	1.07	0.232	40
615144	Soil		1.2	37.2	18.7	88	0.2	57.9	16.9	710	3.95	13.1	3.0	1.7	45	0.2	2.3	0.2	44	0.55	0.129	23
615145	Soil		1.0	32.7	26.8	138	<0.1	42.2	15.1	582	3.41	22.1	5.0	2.8	29	0.5	3.1	0.2	43	0.30	0.087	23
615146	Soil		0.7	33.8	14.8	86	0.1	35.1	13.7	554	2.86	12.5	2.2	4.2	42	0.3	1.4	0.2	54	0.99	0.109	20
615147	Soil		1.0	32.0	13.7	74	<0.1	33.5	12.9	510	2.80	11.3	2.3	3.9	50	0.3	1.3	0.2	53	0.55	0.112	22
615148	Soil		0.9	39.6	16.9	89	0.1	47.2	21.7	782	3.93	8.1	1.4	3.4	126	0.3	1.2	0.2	81	3.77	0.180	21
615149	Soil		1.6	65.2	18.1	98	<0.1	184.5	56.1	2000	6.02	21.0	1.5	1.2	37	0.4	2.2	0.3	82	0.28	0.099	18
615150	Soil		1.5	66.9	60.1	239	0.1	122.3	31.5	1473	6.05	57.3	2.1	2.4	90	1.0	11.2	0.3	78	0.86	0.191	33
615151	Soil		3.0	68.6	51.9	201	0.2	98.5	23.5	694	5.24	34.6	4.4	2.7	54	0.5	5.1	0.3	77	0.52	0.154	49
615152	Soil		0.9	46.8	23.0	123	0.1	48.2	16.4	667	3.07	13.8	2.2	5.5	47	0.8	1.6	0.2	49	0.61	0.115	26
615153	Soil		1.4	51.4	33.6	130	0.1	85.9	27.0	991	4.64	23.5	1.4	3.0	71	0.5	3.4	0.2	79	0.76	0.183	38
615155	Soil		0.9	46.6	26.5	103	0.1	70.4	23.2	970	4.70	30.3	7.7	3.4	57	0.6	3.4	0.2	57	0.56	0.126	28
615173	Soil		2.6	91.8	77.9	274	0.3	117.1	30.3	917	5.64	45.2	7.9	2.4	50	0.7	6.6	0.5	78	0.55	0.156	56
615174	Soil		1.0	61.3	48.6	112	0.3	78.0	21.9	471	3.62	39.6	3.4	0.5	134	0.8	6.1	0.3	48	2.23	0.102	16
615175	Soil		0.4	30.1	42.1	173	<0.1	57.8	16.7	829	2.41	38.2	0.6	0.2	191	1.0	6.5	0.2	23	3.42	0.140	9
615176	Soil		0.8	43.8	248.5	520	0.1	94.7	21.9	808	3.54	65.9	1.0	0.5	138	3.5	19.3	<0.1	56	2.39	0.160	17
615177	Soil		0.6	29.3	181.0	430	<0.1	45.6	10.0	490	1.65	41.5	<0.5	0.1	143	5.0	14.6	<0.1	25	2.75	0.119	8
615178	Soil		1.0	90.3	238.6	530	0.1	137.6	32.7	1556	5.30	114.4	1.6	0.7	164	3.0	20.8	<0.1	80	3.05	0.236	37
615179	Soil		0.5	47.8	111.7	421	<0.1	254.0	49.5	1958	6.78	218.3	1.9	0.3	113	2.2	18.6	<0.1	57	2.68	0.154	15
615180	Soil		1.5	41.6	151.9	107	0.1	102.6	29.2	1254	3.81	36.4	3.4	1.7	48	0.5	3.8	0.2	68	0.95	0.106	21

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
615133	Soil	214	3.16	473	0.206	4	2.90	0.008	0.24	0.1	0.03	5.0	<0.1	<0.05	12	<0.5	<0.2
615134	Soil	106	1.57	259	0.137	3	1.92	0.010	0.07	0.1	0.04	6.1	0.1	<0.05	8	<0.5	<0.2
615135	Soil	184	2.73	455	0.220	4	2.56	0.009	0.22	0.2	0.06	5.5	0.1	<0.05	10	<0.5	<0.2
615136	Soil	93	2.52	322	0.168	4	1.80	0.008	0.14	0.1	0.05	5.5	<0.1	<0.05	7	<0.5	<0.2
615137	Soil	38	0.63	120	0.010	4	0.57	0.006	0.05	<0.1	0.18	8.9	<0.1	0.17	2	0.9	<0.2
615138	Soil	16	0.18	79	0.012	4	0.30	0.005	0.05	<0.1	0.14	1.8	<0.1	0.21	1	<0.5	<0.2
615139	Soil	70	0.62	194	0.016	3	1.13	0.006	0.06	0.1	0.17	10.7	0.1	0.07	3	1.2	<0.2
615140	Soil	150	1.38	234	0.036	2	2.30	0.006	0.08	<0.1	0.09	6.7	0.2	<0.05	7	1.1	<0.2
615141	Soil	233	3.19	457	0.253	3	2.87	0.010	0.20	0.2	0.02	5.1	<0.1	<0.05	12	<0.5	<0.2
615142	Soil	120	1.34	313	0.264	2	2.31	0.008	0.05	0.2	0.03	5.1	0.1	<0.05	9	<0.5	<0.2
615143	Soil	191	2.25	303	0.304	3	2.80	0.009	0.06	0.2	0.03	6.5	0.1	<0.05	11	<0.5	<0.2
615144	Soil	43	0.49	288	0.027	2	1.43	0.008	0.05	0.2	0.08	6.1	0.1	<0.05	4	<0.5	<0.2
615145	Soil	38	0.51	166	0.043	2	1.22	0.009	0.05	0.2	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
615146	Soil	38	0.94	195	0.096	3	1.27	0.017	0.09	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
615147	Soil	40	0.69	151	0.100	2	1.27	0.014	0.07	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
615148	Soil	77	2.36	285	0.185	2	1.62	0.013	0.12	0.2	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
615149	Soil	168	2.13	158	0.025	2	2.75	0.006	0.06	0.1	0.06	7.5	0.2	<0.05	8	0.5	<0.2
615150	Soil	132	1.36	168	0.017	3	2.04	0.007	0.06	0.1	0.24	11.0	0.1	<0.05	6	<0.5	<0.2
615151	Soil	132	1.32	185	0.036	2	2.10	0.006	0.08	0.1	0.10	7.3	0.1	<0.05	6	0.9	<0.2
615152	Soil	48	0.82	143	0.077	2	1.31	0.018	0.08	0.1	0.06	4.4	<0.1	<0.05	4	<0.5	<0.2
615153	Soil	130	1.58	173	0.140	3	1.91	0.010	0.12	0.1	0.04	6.3	<0.1	<0.05	6	<0.5	<0.2
615155	Soil	65	0.67	193	0.046	2	1.50	0.011	0.06	0.2	0.07	8.5	0.1	<0.05	4	<0.5	<0.2
615173	Soil	144	1.49	155	0.033	3	2.32	0.007	0.08	<0.1	0.14	8.5	0.2	<0.05	7	1.0	<0.2
615174	Soil	81	0.62	196	0.009	3	1.30	0.009	0.05	<0.1	0.17	6.2	0.2	0.07	4	0.8	<0.2
615175	Soil	37	0.56	112	0.011	5	0.62	0.006	0.05	<0.1	0.12	3.1	<0.1	0.10	2	<0.5	<0.2
615176	Soil	131	1.10	134	0.015	4	1.08	0.006	0.04	<0.1	0.25	5.6	0.1	0.11	3	<0.5	<0.2
615177	Soil	53	0.47	91	0.006	3	0.52	0.004	0.03	<0.1	0.27	2.0	<0.1	0.15	2	<0.5	<0.2
615178	Soil	179	1.20	251	0.012	5	1.36	0.006	0.04	<0.1	0.38	8.9	0.2	0.07	4	0.9	<0.2
615179	Soil	130	0.73	236	0.004	4	1.17	0.005	0.04	<0.1	0.18	7.2	0.1	0.09	3	<0.5	<0.2
615180	Soil	87	0.82	158	0.028	1	1.53	0.010	0.04	0.2	0.09	6.2	0.1	<0.05	5	<0.5	<0.2

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Client: **Metallic Minerals Corp.**
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Project: Keno Silver
Report Date: October 31, 2017

CERTIFICATE OF ANALYSIS WHI17001083.1

	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
615181	Soil	1.9	43.8	25.1	114	<0.1	154.4	42.3	1586	6.79	21.2	<0.5	1.5	67	0.4	2.2	0.2	101	0.52	0.157	27
615182	Soil	0.9	37.3	35.5	122	<0.1	153.4	33.2	778	5.89	49.0	0.6	0.9	86	0.6	6.1	0.1	65	1.28	0.147	22
615183	Soil	1.0	61.0	185.0	590	0.2	130.7	27.8	1276	5.43	130.5	1.8	0.8	106	3.3	21.9	0.1	66	1.81	0.148	23
615184	Soil	1.2	88.0	463.3	1249	0.3	205.2	36.3	1435	6.74	231.3	1.9	0.7	124	8.5	59.1	<0.1	73	2.40	0.179	23
615185	Soil	1.7	106.6	602.5	1863	0.3	306.5	48.9	1725	9.43	395.7	4.9	1.4	66	12.8	66.3	0.1	104	1.39	0.181	25
615186	Soil	1.6	105.4	569.7	1580	0.3	257.3	41.1	1528	7.75	348.5	4.3	0.7	87	10.1	61.3	0.1	88	1.69	0.161	22
615187	Soil	1.8	50.6	556.6	526	0.2	115.7	27.9	1183	5.94	167.8	3.5	1.6	59	2.9	15.7	0.2	64	1.17	0.169	24
615188	Soil	3.1	87.4	2265.9	889	0.3	153.0	43.3	2539	9.23	308.3	5.8	1.2	77	5.5	35.0	0.1	71	1.90	0.239	25
615190	Soil	1.4	51.3	61.6	118	<0.1	39.1	23.2	1788	4.25	114.3	1.0	2.0	49	0.3	5.1	0.3	57	0.59	0.104	12
615191	Soil	1.3	28.4	38.3	79	<0.1	20.3	12.1	1085	3.30	31.8	3.1	0.4	22	0.3	2.9	0.4	48	0.23	0.075	17
615192	Soil	1.6	76.1	112.7	269	0.3	143.0	35.7	2112	6.74	82.0	4.5	2.2	69	1.3	23.3	0.3	69	1.06	0.165	30
615193	Soil	1.1	48.8	44.4	139	0.1	106.3	26.0	1512	4.74	33.8	2.0	2.1	58	0.7	7.7	0.2	58	0.97	0.119	24
615194	Soil	1.5	87.7	206.3	327	0.2	137.6	35.6	1995	7.22	75.4	3.1	2.3	141	2.0	27.8	0.4	118	1.38	0.381	51
615195	Soil	1.1	65.3	112.2	265	0.2	96.4	23.4	1082	5.15	56.0	3.2	1.6	85	1.1	16.1	0.3	72	0.93	0.238	32
615196	Soil	1.7	82.3	102.6	226	0.2	134.3	34.0	1249	6.59	75.0	4.6	3.0	93	1.0	22.9	0.3	65	0.85	0.175	27
615197	Soil	0.6	24.9	9.2	41	0.1	49.2	15.5	547	2.90	12.6	1.1	0.5	141	0.5	2.8	0.2	32	2.15	0.137	11
615198	Soil	7.3	64.7	57.9	166	0.2	108.3	31.8	1319	5.88	36.2	4.1	1.8	111	0.8	9.9	0.2	73	1.27	0.155	29
615199	Soil	1.4	56.2	51.1	95	0.1	102.1	32.0	1998	5.99	32.6	1.5	4.2	60	0.5	7.7	0.4	66	0.49	0.138	27
615200	Soil	1.2	32.5	28.3	95	<0.1	84.5	21.4	1574	4.51	22.7	0.9	1.1	55	0.4	3.4	0.3	54	0.55	0.139	17
615201	Soil	0.8	75.5	56.6	139	0.3	65.5	24.8	1542	4.09	25.3	4.1	4.9	39	0.6	21.7	0.4	41	0.36	0.133	32
615202	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
615203	Soil	1.2	40.1	52.9	109	0.2	30.0	24.2	2515	4.43	14.3	1.6	1.0	23	0.2	2.4	0.5	27	0.26	0.139	18
615204	Soil	1.6	50.0	44.0	100	<0.1	35.4	23.2	3141	4.04	20.8	3.8	2.2	35	0.2	2.9	0.5	32	0.39	0.122	20
615205	Soil	1.3	39.0	17.1	75	<0.1	64.8	19.0	707	4.90	26.8	1.7	0.6	68	0.1	6.7	0.2	74	0.67	0.181	21
615206	Soil	0.7	50.2	15.8	60	0.1	36.1	14.8	622	2.46	20.8	1.1	0.4	174	0.3	5.0	0.1	33	2.52	0.154	13
615207	Soil	1.2	40.7	34.3	98	<0.1	58.7	21.4	1393	3.82	21.1	2.0	0.9	53	0.4	5.9	0.3	58	0.48	0.148	19
615208	Soil	1.0	33.4	34.9	75	<0.1	69.6	18.8	1044	4.26	16.6	1.2	1.1	24	0.2	3.0	0.4	42	0.20	0.092	16
615209	Soil	1.3	27.1	36.6	74	<0.1	32.6	25.4	2129	4.05	13.0	7.5	2.6	10	0.2	2.6	0.5	53	0.08	0.065	18
615210	Soil	0.7	43.7	510.4	105	<0.1	250.1	42.2	1219	5.11	34.6	<0.5	2.8	43	0.4	6.8	0.2	60	0.50	0.059	12
615211	Soil	0.9	35.6	38.5	83	0.1	78.7	27.7	1726	4.09	20.5	1.7	1.2	17	0.2	4.6	0.4	44	0.19	0.084	16

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
615181	Soil	229	1.84	209	0.026	3	2.77	0.007	0.09	0.1	0.05	8.4	0.1	<0.05	9	0.6	<0.2
615182	Soil	127	0.82	224	0.012	3	1.53	0.005	0.08	0.1	0.08	9.3	0.1	<0.05	5	<0.5	<0.2
615183	Soil	118	0.77	211	0.010	3	1.35	0.007	0.04	<0.1	0.22	7.5	0.1	<0.05	4	<0.5	<0.2
615184	Soil	142	0.87	153	0.009	5	1.15	0.008	0.06	<0.1	0.82	9.3	0.1	<0.05	4	0.8	<0.2
615185	Soil	204	0.60	135	0.004	3	1.11	0.005	0.05	<0.1	1.46	15.3	0.2	<0.05	4	<0.5	<0.2
615186	Soil	166	0.60	129	0.004	4	1.19	0.006	0.04	<0.1	1.47	9.7	0.2	<0.05	4	0.7	<0.2
615187	Soil	85	0.52	130	0.012	3	1.23	0.008	0.06	0.1	0.37	10.0	0.2	<0.05	4	<0.5	<0.2
615188	Soil	92	0.37	103	0.003	4	0.71	0.007	0.05	<0.1	0.55	13.3	0.2	<0.05	2	0.6	<0.2
615190	Soil	30	0.43	146	0.003	1	1.56	0.007	0.06	<0.1	0.08	5.3	0.4	<0.05	4	<0.5	<0.2
615191	Soil	25	0.38	93	0.014	2	1.35	0.005	0.06	<0.1	0.07	1.1	0.2	<0.05	5	<0.5	<0.2
615192	Soil	97	0.74	141	0.011	3	1.71	0.009	0.06	<0.1	0.40	11.5	0.1	<0.05	4	<0.5	<0.2
615193	Soil	89	0.92	137	0.017	3	1.68	0.008	0.06	0.1	0.12	7.6	<0.1	<0.05	5	<0.5	<0.2
615194	Soil	216	1.90	245	0.024	3	2.27	0.007	0.06	<0.1	0.27	12.9	0.2	<0.05	6	<0.5	<0.2
615195	Soil	122	1.19	164	0.019	3	1.85	0.007	0.05	0.1	0.18	8.2	0.1	<0.05	5	<0.5	<0.2
615196	Soil	130	1.16	137	0.015	3	1.83	0.007	0.06	0.1	0.22	13.4	<0.1	<0.05	5	<0.5	<0.2
615197	Soil	55	0.56	120	0.013	3	0.85	0.005	0.04	<0.1	0.10	4.0	<0.1	0.10	3	<0.5	<0.2
615198	Soil	146	1.54	143	0.018	2	1.76	0.007	0.05	0.1	0.15	11.0	<0.1	<0.05	5	<0.5	<0.2
615199	Soil	145	1.15	193	0.015	2	2.37	0.006	0.06	<0.1	0.09	11.2	0.1	<0.05	6	<0.5	<0.2
615200	Soil	130	1.12	136	0.017	1	1.89	0.006	0.07	<0.1	0.08	4.7	<0.1	<0.05	6	<0.5	<0.2
615201	Soil	60	0.85	123	0.026	1	1.60	0.007	0.05	0.1	0.17	5.5	<0.1	<0.05	4	<0.5	<0.2
615202	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
615203	Soil	29	0.59	79	0.011	1	1.93	0.005	0.08	<0.1	0.08	0.9	<0.1	<0.05	5	0.6	<0.2
615204	Soil	32	0.52	80	0.010	2	1.65	0.005	0.06	<0.1	0.09	3.2	<0.1	<0.05	5	<0.5	<0.2
615205	Soil	81	0.89	197	0.014	1	1.91	0.007	0.05	0.1	0.03	6.2	0.1	<0.05	6	<0.5	<0.2
615206	Soil	48	0.64	121	0.012	3	0.88	0.006	0.05	<0.1	0.15	5.5	<0.1	0.06	2	0.5	<0.2
615207	Soil	85	0.83	160	0.016	1	1.76	0.006	0.06	0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
615208	Soil	91	0.80	111	0.012	2	1.73	0.005	0.06	<0.1	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
615209	Soil	52	0.41	104	0.034	1	1.33	0.005	0.07	0.2	0.06	2.3	0.1	<0.05	6	<0.5	<0.2
615210	Soil	268	2.40	96	0.020	1	2.20	0.006	0.04	<0.1	0.08	10.8	0.1	<0.05	5	<0.5	<0.2
615211	Soil	93	1.04	105	0.016	1	1.68	0.005	0.06	<0.1	0.05	2.8	<0.1	<0.05	5	<0.5	<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
615212	Soil	0.8	36.7	29.5	75	<0.1	83.8	23.7	1594	4.19	17.7	0.6	1.3	26	0.2	5.1	0.4	48	0.30	0.122	15
615213	Soil	1.1	45.3	32.9	118	<0.1	118.8	25.8	1024	4.32	37.5	2.6	1.1	76	0.8	6.4	0.2	67	0.60	0.122	19
615214	Soil	1.0	49.6	41.1	106	0.1	91.4	20.0	739	4.41	52.5	1.3	1.5	80	0.2	8.0	0.3	51	0.73	0.122	15
615215	Soil	0.7	62.1	35.5	109	0.1	148.3	27.0	906	5.12	107.4	3.7	1.9	68	0.4	16.6	0.3	50	0.65	0.103	12
615216	Soil	0.8	68.4	35.7	122	<0.1	200.8	39.3	1175	5.71	134.1	8.0	3.5	38	0.3	21.5	0.3	55	0.33	0.069	16
615217	Soil	0.9	45.1	18.3	89	<0.1	179.4	35.2	1305	4.79	20.4	<0.5	1.1	34	0.2	2.7	0.2	88	0.32	0.089	12
615218	Soil	0.6	41.6	17.1	76	<0.1	180.4	30.5	903	4.24	19.2	1.7	2.1	30	0.1	3.4	0.2	67	0.32	0.073	12
615219	Soil	0.5	48.5	13.0	73	<0.1	211.5	35.5	933	4.25	23.6	1.4	1.8	84	0.2	6.2	0.2	73	0.73	0.071	13
615220	Soil	0.7	71.5	18.1	71	0.1	209.1	42.3	1211	4.79	52.6	1.3	2.0	86	0.2	13.1	0.2	71	0.69	0.079	13
Engineer Creek	Soil	29.4	37.5	7.1	208	0.6	103.2	2.6	65	1.26	12.2	1.0	0.5	130	5.1	8.3	0.2	244	5.49	0.177	2
Yakama Creek	Soil	0.3	55.8	4.9	94	<0.1	302.2	52.0	998	6.86	<0.5	<0.5	2.3	133	<0.1	<0.1	<0.1	131	1.64	0.181	31
Discovery Creek	Soil	4.3	70.7	24.8	178	0.5	42.3	18.5	468	4.54	11.9	0.7	4.7	84	0.7	1.0	0.6	24	0.28	0.117	3
Cry Creek	Soil	0.2	71.4	3.7	77	<0.1	342.6	52.8	1064	7.07	<0.5	<0.5	3.1	201	0.1	<0.1	<0.1	170	2.47	0.307	43

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
615212	Soil	101	1.17	97	0.016	1	1.96	0.005	0.06	<0.1	0.06	3.8	<0.1	<0.05	6	<0.5	<0.2
615213	Soil	158	1.56	119	0.033	4	1.98	0.009	0.08	0.1	0.05	5.7	0.1	<0.05	6	<0.5	<0.2
615214	Soil	95	0.94	133	0.013	2	1.66	0.008	0.07	<0.1	0.11	6.9	0.1	<0.05	5	<0.5	<0.2
615215	Soil	133	1.06	106	0.013	2	1.50	0.008	0.05	<0.1	0.08	10.8	<0.1	<0.05	4	<0.5	<0.2
615216	Soil	165	1.36	93	0.012	<1	1.71	0.007	0.05	<0.1	0.10	11.2	<0.1	<0.05	5	<0.5	<0.2
615217	Soil	277	2.82	107	0.046	<1	2.83	0.006	0.05	<0.1	0.02	7.0	<0.1	<0.05	7	<0.5	<0.2
615218	Soil	275	2.64	70	0.046	<1	2.29	0.006	0.04	<0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
615219	Soil	289	2.69	84	0.047	1	2.35	0.008	0.05	<0.1	0.04	8.5	<0.1	<0.05	6	<0.5	<0.2
615220	Soil	253	2.54	89	0.024	2	2.42	0.007	0.04	<0.1	0.09	12.2	<0.1	<0.05	6	<0.5	<0.2
Engineer Creek	Soil	19	0.41	16	0.008	26	0.53	0.071	0.15	0.1	0.08	2.2	1.5	4.71	2	30.5	<0.2
Yakama Creek	Soil	339	5.52	194	0.401	8	3.22	0.051	0.12	0.2	<0.01	3.9	<0.1	<0.05	14	<0.5	<0.2
Discovery Creek	Soil	24	0.67	113	<0.001	2	1.57	0.027	0.09	<0.1	0.09	4.7	0.2	0.19	4	3.2	<0.2
Cry Creek	Soil	406	8.83	45	0.192	7	4.03	0.040	0.06	<0.1	<0.01	12.1	<0.1	<0.05	13	<0.5	<0.2

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: October 31, 2017

QUALITY CONTROL REPORT WHI17001083.1

	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
Pulp Duplicates																					
615135	Soil	0.8	60.1	21.6	141	<0.1	89.8	31.9	959	5.87	10.5	6.2	3.7	158	0.5	1.1	<0.1	128	1.48	0.289	37
REP 615135	QC	0.8	57.1	21.3	134	<0.1	88.6	30.6	960	5.87	10.1	1.0	3.7	154	0.5	1.1	<0.1	127	1.46	0.283	36
615192	Soil	1.6	76.1	112.7	269	0.3	143.0	35.7	2112	6.74	82.0	4.5	2.2	69	1.3	23.3	0.3	69	1.06	0.165	30
REP 615192	QC	1.6	75.6	114.0	277	0.3	140.8	35.0	2128	6.67	82.8	7.3	2.3	68	1.4	23.4	0.3	70	1.03	0.158	30
Engineer Creek	Soil	29.4	37.5	7.1	208	0.6	103.2	2.6	65	1.26	12.2	1.0	0.5	130	5.1	8.3	0.2	244	5.49	0.177	2
REP Engineer Creek	QC	29.1	37.1	7.2	202	0.6	103.5	2.7	65	1.23	11.0	1.9	0.5	129	5.7	8.6	0.1	237	5.39	0.166	2
Reference Materials																					
STD DS11	Standard	12.9	145.7	133.3	339	1.7	75.9	13.0	1015	3.09	42.4	90.3	6.8	67	2.0	8.2	11.2	48	1.01	0.068	17
STD DS11	Standard	13.6	147.8	137.4	355	1.8	78.1	13.6	1042	3.26	41.3	70.3	7.4	75	2.3	8.8	13.2	48	1.02	0.070	20
STD DS11	Standard	13.6	145.7	133.8	344	1.6	76.8	13.6	983	2.97	40.6	86.6	7.4	73	2.4	8.8	12.9	50	1.03	0.067	19
STD OXC129	Standard	1.2	25.8	5.9	40	<0.1	77.8	19.3	408	3.02	0.6	210.1	1.6	178	<0.1	<0.1	<0.1	52	0.63	0.105	12
STD OXC129	Standard	1.2	26.4	6.0	43	<0.1	78.3	20.5	428	3.09	<0.5	194.5	1.7	195	<0.1	<0.1	<0.1	54	0.71	0.106	13
STD OXC129	Standard	1.2	27.9	5.9	42	<0.1	80.6	20.4	431	3.04	<0.5	188.9	1.7	188	<0.1	<0.1	<0.1	55	0.70	0.098	13
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
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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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: October 31, 2017

QUALITY CONTROL REPORT WHI17001083.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	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	0.2
Pulp Duplicates																	
615135	Soil	184	2.73	455	0.220	4	2.56	0.009	0.22	0.2	0.06	5.5	0.1	<0.05	10	<0.5	<0.2
REP 615135	QC	182	2.68	450	0.219	3	2.55	0.009	0.22	0.2	0.05	5.5	0.1	<0.05	10	<0.5	<0.2
615192	Soil	97	0.74	141	0.011	3	1.71	0.009	0.06	<0.1	0.40	11.5	0.1	<0.05	4	<0.5	<0.2
REP 615192	QC	99	0.72	137	0.011	3	1.63	0.009	0.06	<0.1	0.41	11.4	0.1	<0.05	4	<0.5	<0.2
Engineer Creek	Soil	19	0.41	16	0.008	26	0.53	0.071	0.15	0.1	0.08	2.2	1.5	4.71	2	30.5	<0.2
REP Engineer Creek	QC	19	0.40	11	0.008	27	0.49	0.069	0.15	0.1	0.08	2.2	1.5	4.53	1	29.9	<0.2
Reference Materials																	
STD DS11	Standard	57	0.82	374	0.089	7	1.07	0.065	0.38	2.9	0.25	3.0	4.9	0.24	5	2.0	4.8
STD DS11	Standard	57	0.82	371	0.107	6	1.16	0.069	0.39	2.8	0.27	3.3	4.7	0.28	5	2.0	4.6
STD DS11	Standard	57	0.84	366	0.103	6	1.12	0.072	0.39	2.9	0.26	3.1	4.7	0.24	5	2.2	4.7
STD OXC129	Standard	51	1.50	49	0.394	3	1.47	0.576	0.35	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.60	49	0.408	1	1.67	0.604	0.35	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.50	48	0.412	<1	1.49	0.567	0.34	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 11, 2017
Report Date: August 16, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI17000286.2

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno 1
P.O. Number
Number of Samples: 21

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	21	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	21	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	21	Per sample shipping charges for branch shipments			VAN
AR402	17	Aqua Regia Digestion 0.5g / 100 mL (SCH)	0.5	Completed	VAN
FA430	6	Lead collection fire assay fusion - AAS finish	30	Completed	VAN
GC817	13	Lead Assay by Classical Titration	0.5	Completed	VAN
GC816	1	Zinc Assay by Classical Titration	0.5	Completed	VAN
FA530	13	Lead collection fire assay fusion - gravimetric finish	30	Completed	VAN
EN002	13	Environmental disposal charge-Fire assay lead waste			VAN

ADDITIONAL COMMENTS

Version 2 : GC817, GC816 & FA530 included.

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Debbie James
Stuart Morris

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 16, 2017

CERTIFICATE OF ANALYSIS WHI17000286.2

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
1907501	Rock	0.34	<0.1	2455.9	>10000	6669	>100	0.3	0.2	9	0.28	15.1	335.8	<0.1	5	198.5	>2000	5.1	<2	<0.01	0.002
1907502	Rock	1.53	<0.1	1314.0	>10000	496	>100	0.2	<0.1	11	0.07	62.2	786.2	0.1	31	103.4	>2000	0.6	<2	<0.01	0.002
1907503	Rock	2.21	0.2	600.2	>10000	213	>100	0.8	0.1	26	0.26	119.2	421.5	0.2	44	77.7	>2000	0.4	<2	<0.01	0.004
1907504	Rock	0.98	0.4	190.8	>10000	1267	>100	3.1	1.1	672	4.03	730.6	690.0	1.6	7	63.0	>2000	0.9	2	<0.01	0.051
1907505	Rock	1.07	0.2	2173.4	>10000	>10000	>100	17.9	9.8	>10000	4.03	4293.4	1876.1	<0.1	8	1259.9	>2000	1.8	<2	0.04	0.002
1907506	Rock	1.14	1.2	469.8	>10000	>10000	>100	1.9	1.0	>10000	17.79	107.7	733.9	<0.1	1	521.3	>2000	0.3	<2	0.24	0.002
1907507	Rock	0.86	0.3	1784.4	>10000	>10000	>100	1.4	0.9	>10000	5.54	15.8	1790.0	<0.1	<1	426.0	>2000	0.3	<2	0.09	<0.001
1907508	Rock	0.89	0.2	1315.7	>10000	>10000	>100	2.1	0.7	>10000	3.94	30.0	1560.4	<0.1	2	814.7	>2000	1.3	<2	0.04	<0.001
1907509	Rock	0.88	0.3	2052.2	>10000	>10000	>100	6.2	2.6	>10000	6.02	666.1	1800.4	0.4	29	>2000	>2000	3.4	<2	0.05	0.008
1907510	Rock	1.12	0.4	1509.8	>10000	1472	>100	6.3	4.3	4413	0.85	50.9	459.6	0.2	53	115.9	>2000	0.7	<2	0.01	0.004
1907511	Rock	0.59	0.9	2428.5	>10000	>10000	>100	7.1	3.8	>10000	28.20	17.9	107.8	0.2	4	580.3	1454.5	0.2	10	0.90	0.010
1907512	Rock	1.03	0.3	528.2	>10000	4515	>100	1.6	1.5	>10000	4.72	13.7	183.4	0.3	8	223.6	>2000	1.0	3	0.53	0.006
1907513	Rock	0.59	0.1	>10000	>10000	9861	>100	1.2	1.3	2362	3.30	46.8	1570.6	<0.1	29	770.7	>2000	4.3	<2	0.02	<0.001
1907514	Rock	0.82	1.2	1956.9	>10000	>10000	>100	11.2	8.5	2411	3.54	35.3	81.7	0.3	12	>2000	631.1	0.2	29	0.41	0.022
1907515	Rock	2.94	1.1	106.7	3168.2	3688	52.2	11.3	37.4	159	33.85	>10000	14870.1	<0.1	106	52.0	417.6	0.5	7	0.24	0.004
1907551	Rock	1.91	0.4	23.9	884.1	1491	8.2	13.1	9.7	1124	0.98	362.0	11.8	1.5	7	24.2	21.5	0.2	5	0.01	0.017
1907552	Rock	1.88	0.5	27.5	790.6	54	14.0	8.9	3.0	105	3.27	53.6	<0.5	2.2	9	1.7	27.7	0.2	13	0.02	0.022
1907553	Rock	0.32	<0.1	5.1	460.4	232	4.2	8.2	4.8	3138	27.27	15.8	3.6	0.6	106	1.1	6.9	0.1	29	9.70	0.285
113851	Rock	2.54	0.5	46.5	291.9	>10000	1.1	36.6	20.0	2711	4.32	46.6	7.2	3.9	482	390.7	5.6	<0.1	67	13.94	0.219
113852	Rock	3.55	<0.1	>10000	>10000	4202	>100	1.1	0.5	16	0.28	506.5	177.6	<0.1	11	214.4	>2000	41.1	<2	<0.01	<0.001
113853	Rock	1.00	0.3	105.8	1931.3	128	3.3	181.1	44.4	2350	5.60	75.7	1.3	1.0	437	1.9	61.7	0.3	49	15.78	0.222

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 16, 2017

CERTIFICATE OF ANALYSIS WHI17000286.2

	Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402	AR402	AR402
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Cu	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.001	0.01
1907501	Rock	<1	<1	<0.01	19	<0.001	<1	0.02	<0.001	<0.01	<0.1	0.81	0.3	1.8	>10	<1	8.0	2.9	>1000	0.268	>10
1907502	Rock	<1	<1	<0.01	15	<0.001	<1	0.01	<0.001	<0.01	<0.1	1.99	0.3	0.6	9.99	<1	8.9	2.5	>1000	0.135	>10
1907503	Rock	<1	1	<0.01	21	<0.001	<1	0.03	<0.001	<0.01	<0.1	1.52	0.4	0.5	6.96	<1	4.6	2.6	>1000	0.062	>10
1907504	Rock	2	3	<0.01	15	<0.001	6	0.25	0.001	0.02	<0.1	5.41	2.7	0.4	0.35	<1	3.7	2.5	>1000	0.019	>10
1907505	Rock	<1	<1	0.08	9	<0.001	<1	0.05	<0.001	<0.01	<0.1	1.79	0.3	1.7	>10	1	6.2	2.6	>1000	0.229	>10
1907506	Rock	<1	<1	0.54	15	<0.001	2	0.02	0.003	<0.01	<0.1	1.27	0.2	1.9	3.48	5	<0.5	2.3	>1000	0.053	>10
1907507	Rock	<1	<1	0.16	15	<0.001	2	<0.01	0.001	<0.01	<0.1	2.01	<0.1	5.2	9.55	2	<0.5	2.5	>1000	0.177	>10
1907508	Rock	<1	<1	0.13	14	<0.001	<1	0.01	<0.001	<0.01	<0.1	2.64	<0.1	4.8	>10	2	1.3	2.5	>1000	0.132	>10
1907509	Rock	8	2	0.02	9	<0.001	<1	0.25	<0.001	<0.01	<0.1	11.79	0.8	3.1	7.60	5	9.3	2.7	>1000	0.205	>10
1907510	Rock	<1	<1	0.03	16	<0.001	1	0.06	0.002	0.03	<0.1	2.08	0.6	1.5	>10	<1	<0.5	2.9	>1000	0.159	>10
1907511	Rock	<1	1	2.14	12	<0.001	<1	0.07	0.001	0.03	<0.1	0.29	3.2	0.2	0.61	4	1.1	2.5	625	0.240	1.22
1907512	Rock	<1	1	0.45	14	<0.001	<1	0.06	<0.001	0.03	<0.1	0.17	0.5	1.6	9.59	<1	8.5	2.6	>1000	0.054	>10
1907513	Rock	<1	<1	0.05	14	<0.001	<1	<0.01	<0.001	<0.01	<0.1	1.84	0.3	1.3	>10	1	7.3	2.5	>1000	1.770	>10
1907514	Rock	2	1	0.16	16	0.001	7	0.42	0.001	0.14	<0.1	9.15	7.6	0.7	2.13	11	17.7	<0.2	539	0.200	4.04
1907515	Rock	<1	1	0.03	15	<0.001	<1	0.07	0.002	0.09	<0.1	0.16	1.2	0.2	>10	<1	18.7	0.2	47	0.010	0.26
1907551	Rock	6	6	0.09	28	<0.001	2	0.28	0.004	0.04	<0.1	0.06	1.3	<0.1	<0.05	<1	<0.5	<0.2			
1907552	Rock	10	15	0.08	30	0.001	<1	0.33	0.014	0.03	<0.1	<0.01	1.1	<0.1	<0.05	2	0.6	<0.2			
1907553	Rock	3	7	4.02	55	0.007	2	0.63	0.001	0.01	0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2			
113851	Rock	17	98	4.85	178	0.003	6	0.47	0.021	0.04	<0.1	3.18	7.6	0.2	0.23	3	2.0	<0.2	3	0.005	0.04
113852	Rock	<1	<1	<0.01	19	<0.001	<1	0.02	<0.001	<0.01	<0.1	16.42	0.3	1.2	>10	<1	30.6	3.3	706	1.626	>10
113853	Rock	19	131	2.29	80	0.003	1	0.57	0.042	0.09	<0.1	0.15	17.8	<0.1	<0.05	2	<0.5	<0.2			

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 16, 2017

CERTIFICATE OF ANALYSIS WHI17000286.2

		Method	AR402	FA430	GC817	GC816	FA530	FA530
		Analyte	Zn	Au	Pb	Zn	Ag	Au
		Unit	%	ppm	%	%	gm/t	gm/t
		MDL	0.01	0.005	2	1	20	0.9
1907501	Rock		0.70		77.23		3713	<0.9
1907502	Rock		0.07		69.77		6420	<0.9
1907503	Rock		0.02		60.85		5275	<0.9
1907504	Rock		0.12		59.98		1964	<0.9
1907505	Rock		7.16	1.713	61.84		5829	1.9
1907506	Rock		2.11		18.22		1193	<0.9
1907507	Rock		2.07	1.796	57.56		4972	1.9
1907508	Rock		4.16	1.404	62.73		3720	1.3
1907509	Rock		9.98	1.757	57.48		4001	1.7
1907510	Rock		0.14		77.64		3927	<0.9
1907511	Rock		2.75					
1907512	Rock		0.45		65.48		2609	<0.9
1907513	Rock		0.99	1.325	71.10		12078	<0.9
1907514	Rock		>10			34.86		
1907515	Rock		0.38	>10			56	11.3
1907551	Rock							
1907552	Rock							
1907553	Rock							
113851	Rock		5.20					
113852	Rock		0.38		77.81			
113853	Rock							

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Report Date: August 16, 2017

QUALITY CONTROL REPORT WHI17000286.2

		Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	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	2	0.01	0.001
Pulp Duplicates																						
1907503	Rock		2.21	0.2	600.2	>10000	213	>100	0.8	0.1	26	0.26	119.2	421.5	0.2	44	77.7	>2000	0.4	<2	<0.01	0.004
REP 1907503	QC																					
1907510	Rock		1.12	0.4	1509.8	>10000	1472	>100	6.3	4.3	4413	0.85	50.9	459.6	0.2	53	115.9	>2000	0.7	<2	0.01	0.004
REP 1907510	QC																					
1907514	Rock		0.82	1.2	1956.9	>10000	>10000	>100	11.2	8.5	2411	3.54	35.3	81.7	0.3	12	>2000	631.1	0.2	29	0.41	0.022
REP 1907514	QC																					
113851	Rock		2.54	0.5	46.5	291.9	>10000	1.1	36.6	20.0	2711	4.32	46.6	7.2	3.9	482	390.7	5.6	<0.1	67	13.94	0.219
REP 113851	QC			0.6	44.5	294.5	>10000	1.0	37.8	18.9	2703	4.32	46.7	7.5	4.0	498	389.0	5.6	<0.1	67	13.87	0.217
Reference Materials																						
STD AGPROOF	Standard																					
STD CPB-2	Standard																					
STD CPB-2	Standard																					
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD DS10	Standard			14.2	149.9	150.8	378	1.9	70.1	12.5	875	2.79	46.5	102.9	8.2	70	2.7	9.5	12.7	42	1.08	0.075
STD DS10	Standard			14.5	152.6	153.3	346	1.9	74.1	12.6	898	2.74	43.6	76.0	8.4	73	2.6	10.3	12.3	43	1.07	0.081
STD OREAS132A	Standard																					
STD OREAS134B	Standard																					
STD OXC129	Standard			1.2	28.6	8.0	49	<0.1	73.4	21.3	391	3.00	<0.5	191.7	1.9	180	0.2	<0.1	<0.1	50	0.63	0.094
STD OXC129	Standard			1.2	26.4	12.2	42	<0.1	79.0	20.3	430	3.05	0.6	194.6	1.8	183	<0.1	0.3	<0.1	51	0.69	0.104
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXN117	Standard																					
STD SP49	Standard																					
STD SQ70	Standard																					
STD DS10 Expected				15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765
STD OXC129 Expected				1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
STD OXN117 Expected																						

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
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Project: Keno Silver
Report Date: August 16, 2017

QUALITY CONTROL REPORT WHI17000286.2

		Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202		AR402	AR402
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn	Ag
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	2
Pulp Duplicates																						
1907503	Rock		<1	1	<0.01	21	<0.001	<1	0.03	<0.001	<0.01	<0.1	1.52	0.4	0.5	6.96	<1	4.6	2.6	>10	0.02	>1000
REP 1907503	QC																					
1907510	Rock		<1	<1	0.03	16	<0.001	1	0.06	0.002	0.03	<0.1	2.08	0.6	1.5	>10	<1	<0.5	2.9	>10	0.14	>1000
REP 1907510	QC																			>10	0.13	>1000
1907514	Rock		2	1	0.16	16	0.001	7	0.42	0.001	0.14	<0.1	9.15	7.6	0.7	2.13	11	17.7	<0.2	4.04	>10	539
REP 1907514	QC																					
113851	Rock		17	98	4.85	178	0.003	6	0.47	0.021	0.04	<0.1	3.18	7.6	0.2	0.23	3	2.0	<0.2	0.04	5.20	3
REP 113851	QC		16	97	4.73	175	0.004	7	0.48	0.020	0.04	<0.1	3.36	8.4	0.2	0.22	3	1.3	<0.2			
Reference Materials																						
STD AGPROOF	Standard																					
STD CPB-2	Standard																					
STD CPB-2	Standard																					
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD DS10	Standard		19	58	0.78	342	0.087	7	1.06	0.073	0.34	3.3	0.29	2.9	5.0	0.27	4	2.5	4.8			
STD DS10	Standard		20	54	0.77	348	0.089	8	1.09	0.069	0.34	3.2	0.28	3.2	5.0	0.27	4	2.2	4.9			
STD OREAS132A	Standard																			3.70	5.08	55
STD OREAS134B	Standard																			>10	>10	200
STD OXC129	Standard		13	55	1.52	49	0.396	2	1.56	0.604	0.39	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2			
STD OXC129	Standard		13	52	1.56	51	0.372	<1	1.55	0.581	0.36	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2			
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXN117	Standard																					
STD SP49	Standard																					
STD SQ70	Standard																					
STD DS10 Expected			17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01			
STD OXC129 Expected			13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6					
STD OXN117 Expected																						

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver

Report Date: August 16, 2017

QUALITY CONTROL REPORT WHI17000286.2

	Method	AR402	FA430	GC817	GC816	FA530	FA530
	Analyte	Cu	Au	Pb	Zn	Ag	Au
	Unit	%	ppm	%	%	gm/t	gm/t
	MDL	0.001	0.005	2	1	20	0.9
Pulp Duplicates							
1907503	Rock	0.062		60.85		5275	<0.9
REP 1907503	QC			60.45			
1907510	Rock	0.159		77.64		3927	<0.9
REP 1907510	QC	0.156					
1907514	Rock	0.200			34.86		
REP 1907514	QC				34.92		
113851	Rock	0.005					
REP 113851	QC						
Reference Materials							
STD AGPROOF	Standard					95	<0.9
STD CPB-2	Standard			61.99			
STD CPB-2	Standard			62.94			
STD CZN-4	Standard				55.65		
STD CZN-4	Standard				55.54		
STD DS10	Standard						
STD DS10	Standard						
STD OREAS132A	Standard	0.046					
STD OREAS134B	Standard	0.133					
STD OXC129	Standard						
STD OXC129	Standard						
STD OXC145	Standard		0.212				
STD OXH122	Standard		1.218				
STD OXN117	Standard		7.546				
STD SP49	Standard					62	18.3
STD SQ70	Standard					159	39.9
STD DS10 Expected							
STD OXC129 Expected							
STD OXN117 Expected			7.679				

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Report Date: August 16, 2017

QUALITY CONTROL REPORT WHI17000286.2

		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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC145 Expected																					
STD OXH122 Expected																					
STD OREAS132A Expected																					
STD OREAS134B Expected																					
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CZN-4 Expected																					
STD CPB-2 Expected																					
BLK	Blank		<0.1	<0.1	0.3	<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
BLK	Blank		<0.1	<0.1	0.5	<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.6	5.3	3.4	35	<0.1	1.2	3.7	549	1.69	1.1	<0.5	2.2	27	<0.1	<0.1	<0.1	24	0.60	0.040
ROCK-WHI	Prep Blank		0.9	4.9	4.1	34	<0.1	2.0	3.9	505	1.66	0.8	<0.5	2.5	26	<0.1	0.2	<0.1	21	0.57	0.040

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Report Date: August 16, 2017

QUALITY CONTROL REPORT WHI17000286.2

		AQ202 La ppm 1	AQ202 Cr ppm 1	AQ202 Mg % 0.01	AQ202 Ba ppm 1	AQ202 Ti % 0.001	AQ202 B ppm 1	AQ202 Al % 0.01	AQ202 Na % 0.001	AQ202 K % 0.01	AQ202 W ppm 0.1	AQ202 Hg ppm 0.01	AQ202 Sc ppm 0.1	AQ202 Tl ppm 0.1	AQ202 S % 0.05	AQ202 Ga ppm 1	AQ202 Se ppm 0.5	AQ202 Te ppm 0.2	Pb % 0.01	AR402 Zn % 0.01	AR402 Ag ppm 2
STD OXC145 Expected																					
STD OXH122 Expected																					
STD OREAS132A Expected																			3.66	4.96	58
STD OREAS134B Expected																			13.31	17.7	204
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CZN-4 Expected																					
STD CPB-2 Expected																					
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																				
BLK	Blank																				
BLK	Blank																		<0.01	<0.01	<2
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	7	2	0.47	65	0.085	2	0.95	0.111	0.12	0.1	<0.01	3.5	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	7	3	0.42	61	0.085	1	0.86	0.085	0.10	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2			

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QUALITY CONTROL REPORT WHI17000286.2

		AR402 Cu % 0.001	FA430 Au ppm 0.005	GC817 Pb % 2	GC816 Zn % 1	FA530 Ag gm/t 20	FA530 Au gm/t 0.9
STD OXC145 Expected			0.212				
STD OXH122 Expected			1.247				
STD OREAS132A Expected		0.0458					
STD OREAS134B Expected		0.1363					
STD AGPROOF Expected						94	0
STD SP49 Expected						60.2	18.34
STD SQ70 Expected						159.5	39.62
STD CZN-4 Expected					55.24		
STD CPB-2 Expected				63.52			
BLK	Blank						
BLK	Blank						
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank	<0.001					
BLK	Blank					<20	<0.9
Prep Wash							
ROCK-WHI	Prep Blank						
ROCK-WHI	Prep Blank						

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 24, 2017
Report Date: August 24, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI17000352.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno 3
P.O. Number
Number of Samples: 13

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	13	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	13	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	13	Per sample shipping charges for branch shipments			VAN
AR402	5	Aqua Regia Digestion 0.5g / 100 mL (SCH)	0.5	Completed	VAN
FA430	2	Lead collection fire assay fusion - AAS finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Debbie James
Stuart Morris

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production 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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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS WHI17000352.1

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
113351	Rock	2.38	0.4	>10000	601.7	9505	82.0	6.3	2.1	46	0.55	824.1	280.3	<0.1	7	123.3	>2000	12.2	<2	0.05	<0.001
113352	Rock	0.78	0.3	202.4	17.4	110	0.4	269.8	66.0	1163	7.28	246.9	3.3	0.9	121	0.8	94.4	<0.1	33	9.30	0.208
113353	Rock	1.63	0.3	84.7	18.6	70	0.2	91.4	28.9	1606	4.03	138.2	2.9	0.4	567	0.7	50.0	<0.1	17	21.86	0.103
113354	Rock	1.52	0.3	8.3	2.1	25	<0.1	6.6	6.9	1603	3.44	1.8	0.8	0.2	148	0.1	5.4	<0.1	44	8.40	0.016
1907516	Rock	1.36	4.3	8098.5	>10000	>10000	>100	52.8	26.7	381	0.75	145.2	270.9	<0.1	36	>2000	>2000	3.2	<2	0.11	0.003
1907517	Rock	1.23	0.3	>10000	>10000	>10000	>100	13.4	3.0	71	0.98	564.4	28665.4	<0.1	122	>2000	>2000	65.9	<2	0.08	0.004
1907518	Rock	0.48	0.6	4818.2	>10000	5322	>100	3.7	1.5	51	0.27	18.6	617.8	<0.1	65	230.1	>2000	1.4	<2	0.03	0.003
1907519	Rock	1.60	2.4	>10000	>10000	>10000	>100	3.5	4.5	88	0.44	647.9	2310.2	<0.1	35	>2000	>2000	1.2	<2	0.05	0.005
114151	Rock	3.70	0.7	66.7	1496.8	4828	1.7	32.2	15.8	2856	5.04	44.2	6.8	0.8	364	54.0	29.5	<0.1	51	8.80	0.068
114152	Rock	3.18	0.8	51.0	290.3	294	0.6	28.7	15.2	966	3.49	48.4	2.0	7.4	62	4.2	18.3	0.2	17	2.53	0.023
114153	Rock	4.52	2.0	25.0	603.1	2155	0.5	73.0	21.9	7302	8.01	76.8	2.1	1.8	235	44.4	35.5	<0.1	61	19.18	0.115
114154	Rock	1.89	0.6	54.2	77.9	319	0.2	18.8	39.4	1715	9.05	6.7	2.0	1.6	317	1.9	5.4	<0.1	245	6.89	0.183
114155	Rock	2.95	0.1	8.7	80.4	36	0.1	16.0	4.7	922	3.46	1.2	3.7	0.8	1259	0.4	3.8	<0.1	39	19.83	0.037

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS WHI17000352.1

	Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402	AR402	AR402
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Cu	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.001	0.01
113351	Rock	<1	5	<0.01	33	<0.001	1	0.01	0.006	<0.01	<0.1	19.68	0.2	<0.1	1.13	<1	10.6	<0.2	80	3.400	0.06
113352	Rock	7	45	0.13	93	0.003	1	0.50	0.079	0.09	<0.1	0.09	13.3	<0.1	<0.05	1	1.0	<0.2			
113353	Rock	5	23	0.66	40	0.001	<1	0.21	0.036	0.06	<0.1	0.07	6.5	<0.1	0.23	<1	0.6	<0.2			
113354	Rock	5	2	2.53	44	0.001	1	0.24	0.015	<0.01	<0.1	2.99	3.7	<0.1	<0.05	<1	<0.5	<0.2			
1907516	Rock	<1	2	0.05	15	<0.001	1	0.09	0.001	0.01	<0.1	>50	0.5	0.2	2.60	2	11.1	1.1	297	0.814	>10
1907517	Rock	<1	2	0.01	37	<0.001	<1	0.05	0.001	0.01	<0.1	>50	<0.1	1.1	6.18	1	>100	0.3	988	7.971	>10
1907518	Rock	<1	3	<0.01	20	<0.001	4	0.02	<0.001	<0.01	<0.1	>50	<0.1	0.4	5.85	<1	13.8	1.2	442	0.478	>10
1907519	Rock	<1	<1	0.02	22	<0.001	<1	0.06	<0.001	<0.01	<0.1	>50	0.2	0.4	2.85	1	8.4	<0.2	742	2.915	>10
114151	Rock	6	33	2.88	370	<0.001	3	0.57	0.029	0.10	<0.1	2.47	8.4	0.2	0.16	2	<0.5	<0.2			
114152	Rock	18	13	0.54	86	<0.001	4	0.57	0.006	0.10	<0.1	0.72	5.8	<0.1	<0.05	1	<0.5	<0.2			
114153	Rock	7	41	3.05	73	0.002	6	0.31	0.006	0.05	<0.1	1.67	8.3	0.3	0.06	<1	0.7	<0.2			
114154	Rock	17	2	2.46	61	0.006	4	2.02	0.023	<0.01	<0.1	0.18	11.9	<0.1	0.29	11	0.8	<0.2			
114155	Rock	7	35	8.24	330	0.002	<1	0.18	0.026	<0.01	<0.1	0.19	2.8	<0.1	<0.05	<1	<0.5	<0.2			

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#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: August 24, 2017

CERTIFICATE OF ANALYSIS WHI17000352.1

		Method	AR402	FA430
		Analyte	Zn	Au
		Unit	%	ppm
		MDL	0.01	0.005
113351	Rock		0.93	
113352	Rock			
113353	Rock			
113354	Rock			
1907516	Rock		>10	
1907517	Rock		3.71	>10
1907518	Rock		0.51	
1907519	Rock		>10	2.355
114151	Rock			
114152	Rock			
114153	Rock			
114154	Rock			
114155	Rock			

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Report Date: August 24, 2017

QUALITY CONTROL REPORT WHI17000352.1

		Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	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	2	0.01	0.001
Pulp Duplicates																						
113351	Rock		2.38	0.4	>10000	601.7	9505	82.0	6.3	2.1	46	0.55	824.1	280.3	<0.1	7	123.3	>2000	12.2	<2	0.05	<0.001
REP 113351	QC																					
113353	Rock		1.63	0.3	84.7	18.6	70	0.2	91.4	28.9	1606	4.03	138.2	2.9	0.4	567	0.7	50.0	<0.1	17	21.86	0.103
REP 113353	QC			0.2	85.0	18.7	69	0.2	93.5	29.2	1643	4.05	136.9	3.1	0.4	583	0.7	51.0	<0.1	17	22.18	0.104
1907519	Rock		1.60	2.4	>10000	>10000	>10000	>100	3.5	4.5	88	0.44	647.9	2310.2	<0.1	35	>2000	>2000	1.2	<2	0.05	0.005
REP 1907519	QC																					
114151	Rock		3.70	0.7	66.7	1496.8	4828	1.7	32.2	15.8	2856	5.04	44.2	6.8	0.8	364	54.0	29.5	<0.1	51	8.80	0.068
REP 114151	QC			0.8	64.1	1487.0	4889	1.6	31.4	15.8	2878	5.02	45.0	5.7	0.8	349	54.9	31.2	<0.1	50	8.87	0.071
Reference Materials																						
STD DS11	Standard			14.4	149.4	135.0	353	1.8	81.8	13.7	1073	3.12	42.1	69.3	8.0	68	2.2	7.9	11.7	51	1.07	0.071
STD DS11	Standard			14.9	149.2	137.6	342	1.7	81.2	14.5	1048	3.12	43.4	84.0	7.7	64	2.3	8.0	11.4	50	1.05	0.069
STD OREAS132A	Standard																					
STD OREAS134B	Standard																					
STD OXC129	Standard			1.4	30.4	6.4	43	<0.1	82.9	20.9	434	3.08	0.5	207.1	1.8	195	<0.1	2.2	<0.1	54	0.73	0.104
STD OXC129	Standard			1.4	28.0	6.2	42	<0.1	82.4	21.3	417	3.04	0.7	192.4	1.8	185	<0.1	<0.1	<0.1	53	0.68	0.094
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXN117	Standard																					
STD OXC129 Expected				1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
STD DS11 Expected				14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD OREAS132A Expected																						
STD OREAS134B Expected																						
STD OXN117 Expected																						
STD OXC145 Expected																						
STD OXH122 Expected																						
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
BLK	Blank																					
BLK	Blank																					

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Project: Keno Silver
Report Date: August 24, 2017

QUALITY CONTROL REPORT WHI17000352.1

		Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202		AR402	AR402
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn	Ag
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	2
Pulp Duplicates																						
113351	Rock		<1	5	<0.01	33	<0.001	1	0.01	0.006	<0.01	<0.1	19.68	0.2	<0.1	1.13	<1	10.6	<0.2	0.06	0.93	80
REP 113351	QC																			0.06	0.93	81
113353	Rock		5	23	0.66	40	0.001	<1	0.21	0.036	0.06	<0.1	0.07	6.5	<0.1	0.23	<1	0.6	<0.2			
REP 113353	QC		5	23	0.67	41	0.001	<1	0.22	0.036	0.06	<0.1	0.07	6.8	<0.1	0.24	<1	0.8	<0.2			
1907519	Rock		<1	<1	0.02	22	<0.001	<1	0.06	<0.001	<0.01	<0.1	>50	0.2	0.4	2.85	1	8.4	<0.2	>10	>10	742
REP 1907519	QC																					
114151	Rock		6	33	2.88	370	<0.001	3	0.57	0.029	0.10	<0.1	2.47	8.4	0.2	0.16	2	<0.5	<0.2			
REP 114151	QC		6	33	2.87	374	<0.001	3	0.56	0.029	0.10	<0.1	2.45	8.4	0.2	0.16	2	<0.5	<0.2			
Reference Materials																						
STD DS11	Standard		20	61	0.85	369	0.101	7	1.17	0.070	0.40	3.1	0.25	3.4	4.8	0.28	5	1.4	4.9			
STD DS11	Standard		19	61	0.85	370	0.095	9	1.18	0.072	0.40	3.1	0.24	3.1	4.8	0.28	5	2.1	4.8			
STD OREAS132A	Standard																			3.77	5.06	56
STD OREAS134B	Standard																			>10	>10	199
STD OXC129	Standard		14	55	1.62	53	0.428	<1	1.60	0.600	0.36	<0.1	0.01	0.8	<0.1	<0.05	5	<0.5	<0.2			
STD OXC129	Standard		13	54	1.57	52	0.407	2	1.59	0.583	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2			
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXN117	Standard																					
STD OXC129 Expected			13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6					
STD DS11 Expected			18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56			
STD OREAS132A Expected																				3.66	4.96	58
STD OREAS134B Expected																				13.31	17.7	204
STD OXN117 Expected																						
STD OXC145 Expected																						
STD OXH122 Expected																						
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																			<0.01	<0.01	<2
BLK	Blank																					

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#904 - 409 Granville Street
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Project: Keno Silver
Report Date: August 24, 2017

QUALITY CONTROL REPORT WHI17000352.1

		Method	AR402	FA430
		Analyte	Cu	Au
		Unit	%	ppm
		MDL	0.001	0.005
Pulp Duplicates				
113351	Rock		3.400	
REP 113351	QC		3.426	
113353	Rock			
REP 113353	QC			
1907519	Rock		2.915	2.355
REP 1907519	QC			2.576
114151	Rock			
REP 114151	QC			
Reference Materials				
STD DS11	Standard			
STD DS11	Standard			
STD OREAS132A	Standard		0.046	
STD OREAS134B	Standard		0.131	
STD OXC129	Standard			
STD OXC129	Standard			
STD OXC145	Standard			0.214
STD OXH122	Standard			1.177
STD OXN117	Standard			7.315
STD OXC129 Expected				
STD DS11 Expected				
STD OREAS132A Expected			0.0458	
STD OREAS134B Expected			0.1363	
STD OXN117 Expected				7.679
STD OXC145 Expected				0.212
STD OXH122 Expected				1.247
BLK	Blank			
BLK	Blank		0.002	
BLK	Blank			<0.005

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QUALITY CONTROL REPORT WHI17000352.1

		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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	4.9	1.9	39	<0.1	1.1	3.8	547	1.69	1.9	2.4	2.4	20	<0.1	<0.1	<0.1	21	0.53	0.037
ROCK-WHI	Prep Blank		0.8	3.9	1.8	34	<0.1	1.3	3.9	510	1.74	1.3	1.8	2.4	21	<0.1	<0.1	<0.1	23	0.58	0.038

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Report Date: August 24, 2017

QUALITY CONTROL REPORT WHI17000352.1

		AQ202 La ppm 1	AQ202 Cr ppm 1	AQ202 Mg % 0.01	AQ202 Ba ppm 1	AQ202 Ti % 0.001	AQ202 B ppm 1	AQ202 Al % 0.01	AQ202 Na % 0.001	AQ202 K % 0.01	AQ202 W ppm 0.1	AQ202 Hg ppm 0.01	AQ202 Sc ppm 0.1	AQ202 Tl ppm 0.1	AQ202 S % 0.05	AQ202 Ga ppm 1	AQ202 Se ppm 0.5	AQ202 Te ppm 0.2	Pb % 0.01	AR402 Zn % 0.01	AR402 Ag ppm 2
Prep Wash																					
ROCK-WHI	Prep Blank	6	3	0.47	66	0.079	3	0.95	0.114	0.11	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	6	4	0.44	63	0.083	1	0.93	0.106	0.09	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2			

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QUALITY CONTROL REPORT WHI17000352.1

		AR402 Cu % 0.001	FA430 Au ppm 0.005
Prep Wash			
ROCK-WHI	Prep Blank		
ROCK-WHI	Prep Blank		

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: July 24, 2017
Report Date: September 11, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI17000352.2

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno 3
P.O. Number
Number of Samples: 13

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	13	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	13	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	13	Per sample shipping charges for branch shipments			VAN
AR402	5	Aqua Regia Digestion 0.5g / 100 mL (SCH)	0.5	Completed	VAN
FA430	2	Lead collection fire assay fusion - AAS finish	30	Completed	VAN
GC817	4	Lead Assay by Classical Titration	0.5	Completed	VAN
GC816	1	Zinc Assay by Classical Titration	0.5	Completed	VAN
MA404	1	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
FA530-Au	1	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
EN002	1	Environmental disposal charge-Fire assay lead waste			VAN

ADDITIONAL COMMENTS

Version 2 : GC817, GC816, MA404 & FA530 included.

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Debbie James
Stuart Morris

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: September 11, 2017

CERTIFICATE OF ANALYSIS WHI17000352.2

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
113351	Rock	2.38	0.4	>10000	601.7	9505	82.0	6.3	2.1	46	0.55	824.1	280.3	<0.1	7	123.3	>2000	12.2	<2	0.05	<0.001
113352	Rock	0.78	0.3	202.4	17.4	110	0.4	269.8	66.0	1163	7.28	246.9	3.3	0.9	121	0.8	94.4	<0.1	33	9.30	0.208
113353	Rock	1.63	0.3	84.7	18.6	70	0.2	91.4	28.9	1606	4.03	138.2	2.9	0.4	567	0.7	50.0	<0.1	17	21.86	0.103
113354	Rock	1.52	0.3	8.3	2.1	25	<0.1	6.6	6.9	1603	3.44	1.8	0.8	0.2	148	0.1	5.4	<0.1	44	8.40	0.016
1907516	Rock	1.36	4.3	8098.5	>10000	>10000	>100	52.8	26.7	381	0.75	145.2	270.9	<0.1	36	>2000	>2000	3.2	<2	0.11	0.003
1907517	Rock	1.23	0.3	>10000	>10000	>10000	>100	13.4	3.0	71	0.98	564.4	28665.4	<0.1	122	>2000	>2000	65.9	<2	0.08	0.004
1907518	Rock	0.48	0.6	4818.2	>10000	5322	>100	3.7	1.5	51	0.27	18.6	617.8	<0.1	65	230.1	>2000	1.4	<2	0.03	0.003
1907519	Rock	1.60	2.4	>10000	>10000	>10000	>100	3.5	4.5	88	0.44	647.9	2310.2	<0.1	35	>2000	>2000	1.2	<2	0.05	0.005
114151	Rock	3.70	0.7	66.7	1496.8	4828	1.7	32.2	15.8	2856	5.04	44.2	6.8	0.8	364	54.0	29.5	<0.1	51	8.80	0.068
114152	Rock	3.18	0.8	51.0	290.3	294	0.6	28.7	15.2	966	3.49	48.4	2.0	7.4	62	4.2	18.3	0.2	17	2.53	0.023
114153	Rock	4.52	2.0	25.0	603.1	2155	0.5	73.0	21.9	7302	8.01	76.8	2.1	1.8	235	44.4	35.5	<0.1	61	19.18	0.115
114154	Rock	1.89	0.6	54.2	77.9	319	0.2	18.8	39.4	1715	9.05	6.7	2.0	1.6	317	1.9	5.4	<0.1	245	6.89	0.183
114155	Rock	2.95	0.1	8.7	80.4	36	0.1	16.0	4.7	922	3.46	1.2	3.7	0.8	1259	0.4	3.8	<0.1	39	19.83	0.037

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: September 11, 2017

CERTIFICATE OF ANALYSIS WHI17000352.2

	Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AR402	AR402	AR402
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Ag	Cu	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	0.001	0.01
113351	Rock	<1	5	<0.01	33	<0.001	1	0.01	0.006	<0.01	<0.1	19.68	0.2	<0.1	1.13	<1	10.6	<0.2	80	3.400	0.06
113352	Rock	7	45	0.13	93	0.003	1	0.50	0.079	0.09	<0.1	0.09	13.3	<0.1	<0.05	1	1.0	<0.2			
113353	Rock	5	23	0.66	40	0.001	<1	0.21	0.036	0.06	<0.1	0.07	6.5	<0.1	0.23	<1	0.6	<0.2			
113354	Rock	5	2	2.53	44	0.001	1	0.24	0.015	<0.01	<0.1	2.99	3.7	<0.1	<0.05	<1	<0.5	<0.2			
1907516	Rock	<1	2	0.05	15	<0.001	1	0.09	0.001	0.01	<0.1	>50	0.5	0.2	2.60	2	11.1	1.1	297	0.814	>10
1907517	Rock	<1	2	0.01	37	<0.001	<1	0.05	0.001	0.01	<0.1	>50	<0.1	1.1	6.18	1	>100	0.3	988	7.971	>10
1907518	Rock	<1	3	<0.01	20	<0.001	4	0.02	<0.001	<0.01	<0.1	>50	<0.1	0.4	5.85	<1	13.8	1.2	442	0.478	>10
1907519	Rock	<1	<1	0.02	22	<0.001	<1	0.06	<0.001	<0.01	<0.1	>50	0.2	0.4	2.85	1	8.4	<0.2	742	2.915	>10
114151	Rock	6	33	2.88	370	<0.001	3	0.57	0.029	0.10	<0.1	2.47	8.4	0.2	0.16	2	<0.5	<0.2			
114152	Rock	18	13	0.54	86	<0.001	4	0.57	0.006	0.10	<0.1	0.72	5.8	<0.1	<0.05	1	<0.5	<0.2			
114153	Rock	7	41	3.05	73	0.002	6	0.31	0.006	0.05	<0.1	1.67	8.3	0.3	0.06	<1	0.7	<0.2			
114154	Rock	17	2	2.46	61	0.006	4	2.02	0.023	<0.01	<0.1	0.18	11.9	<0.1	0.29	11	0.8	<0.2			
114155	Rock	7	35	8.24	330	0.002	<1	0.18	0.026	<0.01	<0.1	0.19	2.8	<0.1	<0.05	<1	<0.5	<0.2			

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CERTIFICATE OF ANALYSIS WHI17000352.2

		Method	AR402	FA430	GC817	GC816	MA404	FA530
		Analyte	Zn	Au	Pb	Zn	Zn	Au
		Unit	%	ppm	%	%	%	gm/t
		MDL	0.01	0.005	2	1	0.01	0.9
113351	Rock		0.93					
113352	Rock							
113353	Rock							
113354	Rock							
1907516	Rock		>10		34.13	30.84		
1907517	Rock		3.71	>10	37.74			24.4
1907518	Rock		0.51		43.87			
1907519	Rock		>10	2.355	40.02		14.72	
114151	Rock							
114152	Rock							
114153	Rock							
114154	Rock							
114155	Rock							

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QUALITY CONTROL REPORT WHI17000352.2

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
Pulp Duplicates																					
113351	Rock	2.38	0.4	>10000	601.7	9505	82.0	6.3	2.1	46	0.55	824.1	280.3	<0.1	7	123.3	>2000	12.2	<2	0.05	<0.001
REP 113351	QC																				
113353	Rock	1.63	0.3	84.7	18.6	70	0.2	91.4	28.9	1606	4.03	138.2	2.9	0.4	567	0.7	50.0	<0.1	17	21.86	0.103
REP 113353	QC		0.2	85.0	18.7	69	0.2	93.5	29.2	1643	4.05	136.9	3.1	0.4	583	0.7	51.0	<0.1	17	22.18	0.104
1907516	Rock	1.36	4.3	8098.5	>10000	>10000	>100	52.8	26.7	381	0.75	145.2	270.9	<0.1	36	>2000	>2000	3.2	<2	0.11	0.003
REP 1907516	QC																				
1907519	Rock	1.60	2.4	>10000	>10000	>10000	>100	3.5	4.5	88	0.44	647.9	2310.2	<0.1	35	>2000	>2000	1.2	<2	0.05	0.005
REP 1907519	QC																				
114151	Rock	3.70	0.7	66.7	1496.8	4828	1.7	32.2	15.8	2856	5.04	44.2	6.8	0.8	364	54.0	29.5	<0.1	51	8.80	0.068
REP 114151	QC		0.8	64.1	1487.0	4889	1.6	31.4	15.8	2878	5.02	45.0	5.7	0.8	349	54.9	31.2	<0.1	50	8.87	0.071
Reference Materials																					
STD AGPROOF	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD CZN-4	Standard																				
STD CZN-4	Standard																				
STD DS11	Standard		14.4	149.4	135.0	353	1.8	81.8	13.7	1073	3.12	42.1	69.3	8.0	68	2.2	7.9	11.7	51	1.07	0.071
STD DS11	Standard		14.9	149.2	137.6	342	1.7	81.2	14.5	1048	3.12	43.4	84.0	7.7	64	2.3	8.0	11.4	50	1.05	0.069
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.4	30.4	6.4	43	<0.1	82.9	20.9	434	3.08	0.5	207.1	1.8	195	<0.1	2.2	<0.1	54	0.73	0.104
STD OXC129	Standard		1.4	28.0	6.2	42	<0.1	82.4	21.3	417	3.04	0.7	192.4	1.8	185	<0.1	<0.1	<0.1	53	0.68	0.094
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXN117	Standard																				
STD SP49	Standard																				

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: September 11, 2017

QUALITY CONTROL REPORT WHI17000352.2

	Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202		AR402	AR402
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Pb	Zn	Ag
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	2
Pulp Duplicates																					
113351	Rock	<1	5	<0.01	33	<0.001	1	0.01	0.006	<0.01	<0.1	19.68	0.2	<0.1	1.13	<1	10.6	<0.2	0.06	0.93	80
REP 113351	QC																		0.06	0.93	81
113353	Rock	5	23	0.66	40	0.001	<1	0.21	0.036	0.06	<0.1	0.07	6.5	<0.1	0.23	<1	0.6	<0.2			
REP 113353	QC	5	23	0.67	41	0.001	<1	0.22	0.036	0.06	<0.1	0.07	6.8	<0.1	0.24	<1	0.8	<0.2			
1907516	Rock	<1	2	0.05	15	<0.001	1	0.09	0.001	0.01	<0.1	>50	0.5	0.2	2.60	2	11.1	1.1	>10	>10	297
REP 1907516	QC																				
1907519	Rock	<1	<1	0.02	22	<0.001	<1	0.06	<0.001	<0.01	<0.1	>50	0.2	0.4	2.85	1	8.4	<0.2	>10	>10	742
REP 1907519	QC																				
114151	Rock	6	33	2.88	370	<0.001	3	0.57	0.029	0.10	<0.1	2.47	8.4	0.2	0.16	2	<0.5	<0.2			
REP 114151	QC	6	33	2.87	374	<0.001	3	0.56	0.029	0.10	<0.1	2.45	8.4	0.2	0.16	2	<0.5	<0.2			
Reference Materials																					
STD AGPROOF	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD CZN-4	Standard																				
STD CZN-4	Standard																				
STD DS11	Standard	20	61	0.85	369	0.101	7	1.17	0.070	0.40	3.1	0.25	3.4	4.8	0.28	5	1.4	4.9			
STD DS11	Standard	19	61	0.85	370	0.095	9	1.18	0.072	0.40	3.1	0.24	3.1	4.8	0.28	5	2.1	4.8			
STD OREAS132A	Standard																		3.77	5.06	56
STD OREAS134B	Standard																		>10	>10	199
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard	14	55	1.62	53	0.428	<1	1.60	0.600	0.36	<0.1	0.01	0.8	<0.1	<0.05	5	<0.5	<0.2			
STD OXC129	Standard	13	54	1.57	52	0.407	2	1.59	0.583	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2			
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXN117	Standard																				
STD SP49	Standard																				

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#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver

Report Date: September 11, 2017

QUALITY CONTROL REPORT WHI17000352.2

	Method	AR402	FA430	GC817	GC816	MA404	FA530
	Analyte	Cu	Au	Pb	Zn	Zn	Au
	Unit	%	ppm	%	%	%	gm/t
	MDL	0.001	0.005	2	1	0.01	0.9
Pulp Duplicates							
113351	Rock	3.400					
REP 113351	QC	3.426					
113353	Rock						
REP 113353	QC						
1907516	Rock	0.814		34.13	30.84		
REP 1907516	QC				29.88		
1907519	Rock	2.915	2.355	40.02		14.72	
REP 1907519	QC		2.576	39.50			
114151	Rock						
REP 114151	QC						
Reference Materials							
STD AGPROOF	Standard						<0.9
STD CPB-2	Standard			62.49			
STD CPB-2	Standard			62.74			
STD CZN-4	Standard				55.14		
STD CZN-4	Standard				55.40		
STD DS11	Standard						
STD DS11	Standard						
STD OREAS132A	Standard	0.046					
STD OREAS134B	Standard	0.131					
STD OREAS132A	Standard					5.07	
STD OREAS134B	Standard					17.63	
STD OXC129	Standard						
STD OXC129	Standard						
STD OXC145	Standard		0.214				
STD OXH122	Standard		1.177				
STD OXN117	Standard		7.315				
STD SP49	Standard						17.6

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QUALITY CONTROL REPORT WHI17000352.2

		WGHT Wgt kg 0.01	AQ202 Mo ppm 0.1	AQ202 Cu ppm 0.1	AQ202 Pb ppm 0.1	AQ202 Zn ppm 1	AQ202 Ag ppm 0.1	AQ202 Ni ppm 0.1	AQ202 Co ppm 0.1	AQ202 Mn ppm 1	AQ202 Fe % 0.01	AQ202 As ppm 0.5	AQ202 Au ppb 0.5	AQ202 Th ppm 0.1	AQ202 Sr ppm 1	AQ202 Cd ppm 0.1	AQ202 Sb ppm 0.1	AQ202 Bi ppm 0.1	AQ202 V ppm 2	AQ202 Ca % 0.01	AQ202 P % 0.001
STD SQ70	Standard																				
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
STD DS11 Expected			14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD OXN117 Expected																					
STD OXC145 Expected																					
STD OXH122 Expected																					
STD CZN-4 Expected																					
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CPB-2 Expected																					
STD OREAS132A Expected																					
STD OREAS134B Expected																					
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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	4.9	1.9	39	<0.1	1.1	3.8	547	1.69	1.9	2.4	2.4	20	<0.1	<0.1	<0.1	21	0.53	0.037
ROCK-WHI	Prep Blank		0.8	3.9	1.8	34	<0.1	1.3	3.9	510	1.74	1.3	1.8	2.4	21	<0.1	<0.1	<0.1	23	0.58	0.038

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QUALITY CONTROL REPORT WHI17000352.2

		AQ202 La ppm 1	AQ202 Cr ppm 1	AQ202 Mg % 0.01	AQ202 Ba ppm 1	AQ202 Ti % 0.001	AQ202 B ppm 1	AQ202 Al % 0.01	AQ202 Na % 0.001	AQ202 K % 0.01	AQ202 W ppm 0.1	AQ202 Hg ppm 0.01	AQ202 Sc ppm 0.1	AQ202 Tl ppm 0.1	AQ202 S % 0.05	AQ202 Ga ppm 1	AQ202 Se ppm 0.5	AQ202 Te ppm 0.2	Pb % 0.01	AR402 Zn % 0.01	AR402 Ag ppm 2
STD SQ70	Standard																				
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6					
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56			
STD OXN117 Expected																					
STD OXC145 Expected																					
STD OXH122 Expected																					
STD CZN-4 Expected																					
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CPB-2 Expected																					
STD OREAS132A Expected																			3.66	4.96	58
STD OREAS134B Expected																			13.31	17.7	204
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																		<0.01	<0.01	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6	3	0.47	66	0.079	3	0.95	0.114	0.11	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	6	4	0.44	63	0.083	1	0.93	0.106	0.09	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2			

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver

Report Date: September 11, 2017

QUALITY CONTROL REPORT WHI17000352.2

		AR402 Cu % 0.001	FA430 Au ppm 0.005	GC817 Pb % 2	GC816 Zn % 1	MA404 Zn % 0.01	FA530 Au gm/t 0.9
STD SQ70	Standard						40.0
STD OXC129 Expected							
STD DS11 Expected							
STD OXN117 Expected			7.679				
STD OXC145 Expected			0.212				
STD OXH122 Expected			1.247				
STD CZN-4 Expected					55.24		
STD AGPROOF Expected							0
STD SP49 Expected							18.34
STD SQ70 Expected							39.62
STD CPB-2 Expected				63.52			
STD OREAS132A Expected		0.0458				4.96	
STD OREAS134B Expected		0.1363				18.03	
BLK	Blank						
BLK	Blank	0.002					
BLK	Blank		<0.005				
BLK	Blank						<0.9
BLK	Blank					<0.01	
Prep Wash							
ROCK-WHI	Prep Blank						
ROCK-WHI	Prep Blank						

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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Submitted By: Scott Petsel
Receiving Lab: Canada-Whitehorse
Received: October 19, 2017
Report Date: November 27, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI17001084.1

CLIENT JOB INFORMATION

Project: Keno Silver
Shipment ID: Keno
P.O. Number
Number of Samples: 11

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	11	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ202	11	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
SHP01	11	Per sample shipping charges for branch shipments			VAN
MA404	8	4 Acid Digest AAS Finish Vancouver	0.5	Completed	VAN
FA530	9	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
GC817	5	Lead Assay by Classical Titration	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Metallic Minerals Corp.
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2
Canada

CC: Debbie James
Stuart Morris

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production 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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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

CERTIFICATE OF ANALYSIS WHI17001084.1

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
113382	Rock	0.97	0.5	>10000	>10000	>10000	>100	11.7	47.6	6869	8.61	7907.8	1594.4	0.1	48	1343.0	>2000	2.0	13	3.98	0.063
113383	Rock	0.92	0.9	928.9	2942.9	5635	>100	4.5	17.9	3940	5.46	480.7	34.9	0.8	73	84.3	313.1	0.3	9	5.54	0.252
113384	Rock	2.46	0.4	360.8	995.9	1324	48.8	11.4	25.6	2578	8.27	6346.6	338.5	<0.1	140	14.2	108.2	1.1	20	7.75	0.104
113385	Rock	1.40	1.0	1000.2	1173.7	2834	>100	12.1	28.6	2601	6.58	2992.3	2697.7	0.3	106	33.6	302.1	0.2	24	7.27	0.248
113386	Rock	3.01	<0.1	6850.5	>10000	5592	>100	0.7	0.3	22	0.13	291.6	44.4	<0.1	30	139.2	>2000	0.7	<2	0.01	0.001
113387	Rock	2.21	0.3	1949.1	>10000	>10000	36.2	8.4	6.4	496	1.21	847.5	2638.2	<0.1	13	1382.5	>2000	1.7	4	0.08	0.009
113388	Rock	1.84	0.2	2091.3	>10000	>10000	>100	7.3	2.8	122	1.19	2767.3	315.9	<0.1	64	>2000	522.1	0.9	4	0.11	0.007
113389	Rock	1.21	0.5	2925.7	>10000	>10000	>100	10.9	6.4	211	1.71	6712.9	280.7	<0.1	177	>2000	956.5	0.1	3	0.14	0.001
113390	Rock	2.75	<0.1	488.6	>10000	>10000	>100	0.5	0.1	49	0.10	41.6	3.2	<0.1	4	159.7	1323.1	0.2	<2	<0.01	<0.001
113391	Rock	1.86	0.1	5468.6	>10000	>10000	>100	1.9	0.7	18	0.59	2547.5	293.8	<0.1	120	373.0	1987.5	0.3	<2	0.01	0.002
113392	Rock	2.09	0.5	>10000	>10000	>10000	>100	2.2	1.0	74	0.27	512.8	147.4	<0.1	80	725.1	>2000	3.0	<2	0.02	0.001

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

CERTIFICATE OF ANALYSIS WHI17001084.1

	Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	MA404	MA404	MA404
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Pb	Zn
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	0.01
113382	Rock	2	1	0.98	27	0.001	6	0.21	0.003	0.09	<0.1	4.36	21.6	0.9	3.93	3	16.1	<0.2	3.28	3.14	9.55
113383	Rock	10	1	1.02	43	0.002	7	0.45	0.005	0.20	<0.1	0.27	14.6	0.4	0.79	2	4.7	<0.2			
113384	Rock	2	2	2.04	26	<0.001	5	0.29	0.006	0.10	<0.1	0.05	24.9	0.2	3.97	<1	2.2	<0.2			
113385	Rock	5	<1	1.02	18	<0.001	6	0.53	0.003	0.14	0.1	0.10	20.9	0.4	1.03	1	1.7	<0.2			
113386	Rock	<1	<1	<0.01	22	<0.001	<1	0.01	<0.001	<0.01	<0.1	7.80	0.1	1.1	>10	<1	2.1	<0.2	0.69	>20	0.48
113387	Rock	<1	6	0.03	37	<0.001	2	0.05	0.003	0.02	<0.1	36.12	0.4	0.3	3.11	2	7.7	<0.2	0.19	12.38	13.03
113388	Rock	<1	6	0.05	10	<0.001	3	0.01	<0.001	<0.01	<0.1	>50	0.6	0.4	1.45	22	15.6	<0.2	0.18	18.90	18.87
113389	Rock	<1	7	0.05	21	<0.001	4	0.01	0.002	<0.01	<0.1	>50	0.6	0.3	1.62	5	11.0	<0.2	0.25	>20	25.45
113390	Rock	<1	<1	<0.01	2	<0.001	1	<0.01	<0.001	<0.01	<0.1	6.25	<0.1	1.2	>10	<1	1.4	<0.2	0.05	>20	1.03
113391	Rock	<1	<1	<0.01	12	<0.001	<1	0.02	<0.001	<0.01	<0.1	30.22	<0.1	0.8	6.41	4	4.2	<0.2	0.53	>20	3.37
113392	Rock	<1	1	<0.01	14	<0.001	1	0.01	<0.001	<0.01	<0.1	>50	0.4	1.0	7.60	<1	7.6	0.2	1.06	>20	4.01

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

CERTIFICATE OF ANALYSIS WHI17001084.1

		Method	FA530	GC817
		Analyte	Ag	Pb
		Unit	gm/t	%
		MDL	20	2
113382	Rock		7668	
113383	Rock		114	
113384	Rock			
113385	Rock		96	
113386	Rock		491	78.73
113387	Rock			
113388	Rock		111	
113389	Rock		212	28.44
113390	Rock		919	82.55
113391	Rock		356	67.93
113392	Rock		500	65.05

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

QUALITY CONTROL REPORT WHI17001084.1

	Method	WGHT	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	2	0.01	0.001
Pulp Duplicates																					
113389	Rock	1.21	0.5	2925.7	>10000	>10000	>100	10.9	6.4	211	1.71	6712.9	280.7	<0.1	177	>2000	956.5	0.1	3	0.14	0.001
REP 113389	QC																				
113390	Rock	2.75	<0.1	488.6	>10000	>10000	>100	0.5	0.1	49	0.10	41.6	3.2	<0.1	4	159.7	1323.1	0.2	<2	<0.01	<0.001
REP 113390	QC		<0.1	494.0	>10000	>10000	>100	0.5	0.1	46	0.10	41.1	1.9	<0.1	3	159.0	1302.2	0.2	<2	<0.01	<0.001
113391	Rock	1.86	0.1	5468.6	>10000	>10000	>100	1.9	0.7	18	0.59	2547.5	293.8	<0.1	120	373.0	1987.5	0.3	<2	0.01	0.002
REP 113391	QC																				
113392	Rock	2.09	0.5	>10000	>10000	>10000	>100	2.2	1.0	74	0.27	512.8	147.4	<0.1	80	725.1	>2000	3.0	<2	0.02	0.001
REP 113392	QC		0.4	>10000	>10000	>10000	>100	2.1	0.9	73	0.27	520.5	138.5	<0.1	78	722.9	>2000	3.0	<2	0.02	0.001
Reference Materials																					
STD AGPROOF	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD DS11	Standard		14.6	151.9	134.1	348	1.7	78.4	13.1	1047	3.13	45.0	68.9	7.5	69	2.7	8.3	11.4	48	1.08	0.073
STD DS11	Standard		13.2	151.5	137.0	354	1.7	78.9	13.7	1037	3.06	44.9	76.1	7.6	70	2.4	9.4	13.0	48	1.06	0.073
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OREAS132A	Standard																				
STD OREAS134B	Standard																				
STD OXC129	Standard		1.2	27.5	9.1	49	<0.1	79.7	20.3	423	3.08	0.9	195.2	1.7	197	0.1	3.3	<0.1	50	0.72	0.099
STD OXC129	Standard		1.1	26.4	11.3	48	<0.1	74.0	19.4	412	2.93	0.7	193.7	1.7	182	<0.1	<0.1	<0.1	51	0.65	0.099
STD SP49	Standard																				
STD SQ70	Standard																				
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD OXC129 Expected			1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.684	0.102
STD DS11 Expected			14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD CPB-2 Expected																					

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PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

QUALITY CONTROL REPORT WHI17001084.1

		Method	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202	AQ202			MA404
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	Pb	Zn
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01	0.01
Pulp Duplicates																						
113389	Rock		<1	7	0.05	21	<0.001	4	0.01	0.002	<0.01	<0.1	>50	0.6	0.3	1.62	5	11.0	<0.2	0.25	>20	25.45
REP 113389	QC																			0.25	>20	25.45
113390	Rock		<1	<1	<0.01	2	<0.001	1	<0.01	<0.001	<0.01	<0.1	6.25	<0.1	1.2	>10	<1	1.4	<0.2	0.05	>20	1.03
REP 113390	QC		<1	<1	<0.01	2	<0.001	<1	<0.01	<0.001	<0.01	<0.1	6.35	<0.1	1.2	>10	<1	1.4	<0.2			
113391	Rock		<1	<1	<0.01	12	<0.001	<1	0.02	<0.001	<0.01	<0.1	30.22	<0.1	0.8	6.41	4	4.2	<0.2	0.53	>20	3.37
REP 113391	QC																					
113392	Rock		<1	1	<0.01	14	<0.001	1	0.01	<0.001	<0.01	<0.1	>50	0.4	1.0	7.60	<1	7.6	0.2	1.06	>20	4.01
REP 113392	QC		<1	1	<0.01	13	<0.001	<1	0.01	<0.001	<0.01	<0.1	>50	0.3	1.0	7.59	1	8.6	<0.2	1.05	>20	4.03
Reference Materials																						
STD AGPROOF	Standard																					
STD CPB-2	Standard																					
STD CPB-2	Standard																					
STD DS11	Standard		19	58	0.84	383	0.098	7	1.18	0.073	0.40	3.0	0.27	3.6	4.7	0.27	5	2.3	4.5			
STD DS11	Standard		18	59	0.86	375	0.093	8	1.12	0.070	0.40	3.1	0.33	3.3	4.9	0.28	5	2.0	4.6			
STD OREAS132A	Standard																			0.05	3.60	4.95
STD OREAS134B	Standard																			0.13	12.94	17.54
STD OREAS132A	Standard																			0.04	3.66	4.94
STD OREAS134B	Standard																			0.13	13.42	17.43
STD OXC129	Standard		12	53	1.54	51	0.402	1	1.58	0.591	0.36	<0.1	0.02	0.7	<0.1	<0.05	6	<0.5	<0.2			
STD OXC129	Standard		12	49	1.50	50	0.372	1	1.51	0.582	0.35	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2			
STD SP49	Standard																					
STD SQ70	Standard																					
STD AGPROOF Expected																						
STD SP49 Expected																						
STD SQ70 Expected																						
STD OXC129 Expected			12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5					
STD DS11 Expected			18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56			
STD CPB-2 Expected																						

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

QUALITY CONTROL REPORT WHI17001084.1

		Method	FA530	GC817
		Analyte	Ag	Pb
		Unit	gm/t	%
		MDL	20	2
Pulp Duplicates				
113389	Rock		212	28.44
REP 113389	QC			
113390	Rock		919	82.55
REP 113390	QC			
113391	Rock		356	67.93
REP 113391	QC			68.03
113392	Rock		500	65.05
REP 113392	QC			
Reference Materials				
STD AGPROOF	Standard		92	
STD CPB-2	Standard			63.24
STD CPB-2	Standard			63.35
STD DS11	Standard			
STD DS11	Standard			
STD OREAS132A	Standard			
STD OREAS134B	Standard			
STD OREAS132A	Standard			
STD OREAS134B	Standard			
STD OXC129	Standard			
STD OXC129	Standard			
STD SP49	Standard		54	
STD SQ70	Standard		155	
STD AGPROOF Expected			94	
STD SP49 Expected			60.2	
STD SQ70 Expected			159.5	
STD OXC129 Expected				
STD DS11 Expected				
STD CPB-2 Expected				63.52

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Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver
Report Date: November 27, 2017

QUALITY CONTROL REPORT WHI17001084.1

		WGHT Wgt kg 0.01	AQ202 Mo ppm 0.1	AQ202 Cu ppm 0.1	AQ202 Pb ppm 0.1	AQ202 Zn ppm 1	AQ202 Ag ppm 0.1	AQ202 Ni ppm 0.1	AQ202 Co ppm 0.1	AQ202 Mn ppm 1	AQ202 Fe % 0.01	AQ202 As ppm 0.5	AQ202 Au ppb 0.5	AQ202 Th ppm 0.1	AQ202 Sr ppm 1	AQ202 Cd ppm 0.1	AQ202 Sb ppm 0.1	AQ202 Bi ppm 0.1	AQ202 V ppm 2	AQ202 Ca % 0.01	AQ202 P % 0.001
STD OREAS132A Expected																					
STD OREAS134B Expected																					
BLK	Blank		<0.1	0.1	0.3	<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.1	0.3	0.3	3	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	0.3	<0.1	<2	<0.01	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	8.1	2.6	39	<0.1	2.9	5.2	637	2.07	1.1	<0.5	1.7	36	<0.1	<0.1	<0.1	30	0.96	0.041
ROCK-WHI	Prep Blank		0.6	5.1	2.1	32	<0.1	1.2	4.2	578	1.80	1.1	<0.5	1.6	25	<0.1	<0.1	<0.1	24	0.84	0.040

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Metallic Minerals Corp.**
#904 - 409 Granville Street
Vancouver British Columbia V6C 1T2 Canada

Project: Keno Silver

Report Date: November 27, 2017

QUALITY CONTROL REPORT WHI17001084.1

		AQ202 La ppm 1	AQ202 Cr ppm 1	AQ202 Mg % 0.01	AQ202 Ba ppm 1	AQ202 Ti % 0.001	AQ202 B ppm 1	AQ202 Al % 0.01	AQ202 Na % 0.001	AQ202 K % 0.01	AQ202 W ppm 0.1	AQ202 Hg ppm 0.01	AQ202 Sc ppm 0.1	AQ202 Tl ppm 0.1	AQ202 S % 0.05	AQ202 Ga ppm 1	AQ202 Se ppm 0.5	AQ202 Te ppm 0.2	Cu % 0.01	Pb % 0.01	MA404 Zn % 0.01
STD OREAS132A Expected																			0.0458	3.66	4.96
STD OREAS134B Expected																			0.1348	13.36	18.03
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																				
BLK	Blank																		<0.01	<0.01	<0.01
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																		<0.01	<0.01	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank	6	7	0.66	59	0.085	3	1.32	0.117	0.11	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank	5	5	0.58	48	0.070	3	1.11	0.092	0.09	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2			

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QUALITY CONTROL REPORT WHI17001084.1

		FA530 Ag gm/t 20	GC817 Pb % 2
STD OREAS132A Expected			
STD OREAS134B Expected			
BLK	Blank		
BLK	Blank	<20	
BLK	Blank		
BLK	Blank		
BLK	Blank		
Prep Wash			
ROCK-WHI	Prep Blank		
ROCK-WHI	Prep Blank		

AREA	SAMPLE	UTM_E	UTM_N	TYPE	SAMPLER	Description	certificate	wt_kg
Central claim area	1907516	481152	7135904	Grab-float	L.R. Blackburn	Waypoint 17-MCK-002. Replacement of CNGL or AGGL (AKA- volc. Tuff)	WHI17000352.1	1.36
Central claim area	1907517	481070	7135915	Grab-float	L.R. Blackburn	Dug pit to southwest of known vein No. 6 location. Broken early qtz + galena + azurite + malachite + sulphur clots + lim-ankerite	WHI17000352.1	1.23
Central claim area	1907518	480957	7136001	Grab- s/c	L.R. Blackburn	Small pieces of galena-rich quartz vein material (early broken qz) with trace cu-oxide + sulphur clots.	WHI17000352.1	0.48
Central claim area	1907519	481126	7135892	Grab- s/c	L.R. Blackburn	Vn No 6-type vein material from historic (2m X 1.5m X 1m) pit/trench - gal + tenorite + native copper + sulphur clots + clay.	WHI17000352.1	1.6
Independence Hill	113851	482963	7135786	dump pile from trench	M. Pelletier	Trench approx 400m of snowdrift ext. Silica rich breccia w/ 1-4 cm angular clasts of banded chert. Botroidal textures and lattice texture. Boiling.	WHI17000286.1	2.54
Independence Hill	113852	483018	7135821	dump pile from trench	M. Pelletier	Qtz vein, <3 cm grain size, w/ <10 % directional growth. Subeuhedral/platy galena w/ common bwk limonite, trace malachite and pistachio oxide.	WHI17000286.1	3.55
Independence Hill	113853	483018	7135821	dump pile from trench	S.Morris	SK Mrris sample. Silicified volcanic (andesite?) w/ black (sx-rich?) <0.5 cm wide qtz veins	WHI17000286.1	1
Independence Hill	114151	482938	7135776	bottom of trench (float)	M. Pelletier	Strongly altered (Si-Fecb-py) host rock with colloform/botroidal boilling texture	WHI17000352.1	3.7
Independence Hill	114152	482936	7135780		M. Pelletier	Si++ breccia (low cb content). Basalt? Late <1 cm limonite vlets. Clasts 10-15 cm.	WHI17000352.1	3.18
Independence Hill	114153	482916	7135771	bottom of trench (float)	M. Pelletier	Strongly altered (Cc-Fecb-si) breccia w/ surbangular clasts (some brecciated) w/ 1% <1 cm py vlets	WHI17000352.1	4.52
Independence Hill	114154	482982	7135772	Outcrop	M. Pelletier	Calcite-altered basalt w/ tr py. Trying to trace the boiling surface east of the trenches.	WHI17000352.1	1.89
Independence Hill	114155	482998	7135795	Felsenmeer	M. Pelletier	Si++ float w/ intense brechification (siderite? Ak? Lim? Veining) w/ clasts of colloform texture	WHI17000352.1	2.95
McKay Hill	113351	483052	7136203	outcrop grab	M. Bindig	Snowdrift Vein Ext. Outcrop/vein in place. White quartz with malachite and azurite, some galena and pale grey-yellow oxide (scorodite/jarosite?)	WHI17000352.1	2.38
McKay Hill	113352	483320	7135519	outcrop grab	M. Bindig	Basalt? Intensely Fe-alt breccia, blood red to yellow, spongy text, with qz vnfloat x-cutting alteration.	WHI17000352.1	0.78
McKay Hill	113353	483403	7135615	Float/subcrop	M. Bindig	Intensely Fe-alt, hornfelsed, skarn + pyrite	WHI17000352.1	1.63
McKay Hill	113354	483226	7135729	Grab	M. Bindig	Rusty white qz + lim vn (boiling text?)	WHI17000352.1	1.52
Central claim area	113386	481781	7136097	grab from dump	M. Bindig	massive galena and tetrahedrite? With some malachite and tenorite? Stains.	WHI17001084	3.01
Central claim area	113387	481781	7136097	grab from dump	M. Bindig	yellow stained quartz with Fe-alteration, galena with sulphur clots/scorodite?	WHI17001084	2.21
Central claim area	113388	481750	7136056	grab float	M. Bindig	Mineralized vein float (large boulders) white-yellow-orange quartz with yellow (scorodite?) stained Fe-altered basalt (?) on outside, fine grained galena and tetrahedrite (?) throughout entire sample (took rep).	WHI17001084	1.84
Central claim area	113389	481686	7136007	grab sub crop or dump	M. Bindig	Grab subcrop vein sample Replacement of conglomerate or AGGL? Massive galena/tetrahedrite in Fe-altered quartz-breccia. From bottom end of washed down dump material from pit above?	WHI17001084	1.21
Central claim area	113390	481663	7135990	grab from dump in pit	M. Bindig	Old open cut on vein (50NE) with large dup pile and lots of ore (all types . . .) Grab sample from dump material, massive galena/tetrahedirte with some malachite and tenorite?	WHI17001084	2.75
Central claim area	113391	481637	7135956	dump pile from trench	M. Bindig	Vein exposed in place/sub-crop (45 NE). Grab sample from dump material, massive galena/tetrahedrite with Fe-alteration/quartz breccia.	WHI17001084	1.86
Central claim area	113392	481486	7136056	grab from boulder	M. Bindig	grab sample from large boulder of mineralized vein material, massive galena/tetrahedirte with malachite and azurite, scorodite and jarosite?	WHI17001084	2.09

Appendix III. Rock & Soil Descriptions & Data

SAMPLE	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM
1907516	4.3	8098.5	34130	30840	297	52.8	26.7	381	0.75	145.2	270.9	0.05	36	>2000	>2000	3.2
1907517	0.3	79700	377400	37100	988	13.4	3	71	0.98	564.4	28665.4	0.05	122	>2000	>2000	65.9
1907518	0.6	4818.2	438700	5322	442	3.7	1.5	51	0.27	18.6	617.8	0.05	65	230.1	>2000	1.4
1907519	2.4	29200	400200	147200	742	3.5	4.5	88	0.44	647.9	2310.2	0.05	35	>2000	>2000	1.2
113851	0.5	46.5	291.9	52000	1.1	36.6	20	2711	4.32	46.6	7.2	3.9	482	390.7	5.6	0.05
113852	0.05	16300	778100	4202	706	1.1	0.5	16	0.28	506.5	177.6	0.05	11	214.4	>2000	41.1
113853	0.3	105.8	1931.3	128	3.3	181.1	44.4	2350	5.6	75.7	1.3	1	437	1.9	61.7	0.3
114151	0.7	66.7	1496.8	4828	1.7	32.2	15.8	2856	5.04	44.2	6.8	0.8	364	54	29.5	0.05
114152	0.8	51	290.3	294	0.6	28.7	15.2	966	3.49	48.4	2	7.4	62	4.2	18.3	0.2
114153	2	25	603.1	2155	0.5	73	21.9	7302	8.01	76.8	2.1	1.8	235	44.4	35.5	0.05
114154	0.6	54.2	77.9	319	0.2	18.8	39.4	1715	9.05	6.7	2	1.6	317	1.9	5.4	0.05
114155	0.1	8.7	80.4	36	0.1	16	4.7	922	3.46	1.2	3.7	0.8	1259	0.4	3.8	0.05
113351	0.4	34000	601.7	9505	82	6.3	2.1	46	0.55	824.1	280.3	0.05	7	123.3	>2000	12.2
113352	0.3	202.4	17.4	110	0.4	269.8	66	1163	7.28	246.9	3.3	0.9	121	0.8	94.4	0.05
113353	0.3	84.7	18.6	70	0.2	91.4	28.9	1606	4.03	138.2	2.9	0.4	567	0.7	50	0.05
113354	0.3	8.3	2.1	25	0.05	6.6	6.9	1603	3.44	1.8	0.8	0.2	148	0.1	5.4	0.05
113386	0.05	6850.5	787300	5592	491	0.7	0.3	22	0.13	291.6	44.4	0.05	30	139.2	>2000	0.7
113387	0.3	1949.1	123800	130300	36.2	8.4	6.4	496	1.21	847.5	2638.2	0.05	13	1382.5	>2000	1.7
113388	0.2	2091.3	189000	188700	111	7.3	2.8	122	1.19	2767.3	315.9	0.05	64	>2000	522.1	0.9
113389	0.5	2925.7	284400	254500	212	10.9	6.4	211	1.71	6712.9	280.7	0.05	177	>2000	956.5	0.1
113390	0.05	488.6	825500	10300	919	0.5	0.1	49	0.1	41.6	3.2	0.05	4	159.7	1323.1	0.2
113391	0.1	5468.6	679300	33700	356	1.9	0.7	18	0.59	2547.5	293.8	0.05	120	373	1987.5	0.3
113392	0.5	10600	650500	40100	500	2.2	1	74	0.27	512.8	147.4	0.05	80	725.1	>2000	3

SAMPLE	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM
1907516	1	0.11	0.003	0.5	2	0.05	15	0.0005	1	0.09	0.001	0.01	0.05	>50	0.5	0.2
1907517	1	0.08	0.004	0.5	2	0.01	37	0.0005	0.5	0.05	0.001	0.01	0.05	>50	0.05	1.1
1907518	1	0.03	0.003	0.5	3	0.005	20	0.0005	4	0.02	0.0005	0.005	0.05	>50	0.05	0.4
1907519	1	0.05	0.005	0.5	0.5	0.02	22	0.0005	0.5	0.06	0.0005	0.005	0.05	>50	0.2	0.4
113851	67	13.94	0.219	17	98	4.85	178	0.003	6	0.47	0.021	0.04	0.05	3.18	7.6	0.2
113852	1	0.005	0.0005	0.5	0.5	0.005	19	0.0005	0.5	0.02	0.0005	0.005	0.05	16.42	0.3	1.2
113853	49	15.78	0.222	19	131	2.29	80	0.003	1	0.57	0.042	0.09	0.05	0.15	17.8	0.05
114151	51	8.8	0.068	6	33	2.88	370	0.0005	3	0.57	0.029	0.1	0.05	2.47	8.4	0.2
114152	17	2.53	0.023	18	13	0.54	86	0.0005	4	0.57	0.006	0.1	0.05	0.72	5.8	0.05
114153	61	19.18	0.115	7	41	3.05	73	0.002	6	0.31	0.006	0.05	0.05	1.67	8.3	0.3
114154	245	6.89	0.183	17	2	2.46	61	0.006	4	2.02	0.023	0.005	0.05	0.18	11.9	0.05
114155	39	19.83	0.037	7	35	8.24	330	0.002	0.5	0.18	0.026	0.005	0.05	0.19	2.8	0.05
113351	1	0.05	0.0005	0.5	5	0.005	33	0.0005	1	0.01	0.006	0.005	0.05	19.68	0.2	0.05
113352	33	9.3	0.208	7	45	0.13	93	0.003	1	0.5	0.079	0.09	0.05	0.09	13.3	0.05
113353	17	21.86	0.103	5	23	0.66	40	0.001	0.5	0.21	0.036	0.06	0.05	0.07	6.5	0.05
113354	44	8.4	0.016	5	2	2.53	44	0.001	1	0.24	0.015	0.005	0.05	2.99	3.7	0.05
113386	1	0.01	0.001	0.5	0.5	0.005	22	0.0005	0.5	0.01	0.0005	0.005	0.05	7.8	0.1	1.1
113387	4	0.08	0.009	0.5	6	0.03	37	0.0005	2	0.05	0.003	0.02	0.05	36.12	0.4	0.3
113388	4	0.11	0.007	0.5	6	0.05	10	0.0005	3	0.01	0.0005	0.005	0.05	>50	0.6	0.4
113389	3	0.14	0.001	0.5	7	0.05	21	0.0005	4	0.01	0.002	0.005	0.05	>50	0.6	0.3
113390	1	0.005	0.0005	0.5	0.5	0.005	2	0.0005	1	0.005	0.0005	0.005	0.05	6.25	0.05	1.2
113391	1	0.01	0.002	0.5	0.5	0.005	12	0.0005	0.5	0.02	0.0005	0.005	0.05	30.22	0.05	0.8
113392	1	0.02	0.001	0.5	1	0.005	14	0.0005	1	0.01	0.0005	0.005	0.05	>50	0.4	1

SAMPLE	S_per	Ga_PPM	Se_PPM	Te_PPM	Pb_per	Zn_per	Ag_PPM	Cu_per	Au_PPM
1907516	2.6	2	11.1	1.1	34.13	30.84	297	0.81	0.27
1907517	6.18	1	101	0.3	37.74	3.71	988	7.97	24.40
1907518	5.85	0.5	13.8	1.2	43.87	0.51	442	0.48	0.62
1907519	2.85	1	8.4	0.1	40.02	14.72	742	2.92	2.36
113851	0.23	3	2	0.1	0.04	5.20	3	0.01	0.01
113852	11	0.5	30.6	3.3	77.81	0.38	706	1.63	0.18
113853	0.025	2	0.25	0.1	0.19	0.01	3.3	0.01	0.00
114151	0.16	2	0.25	0.1	0.15	0.48	1.7	0.01	0.01
114152	0.025	1	0.25	0.1	0.03	0.03	0.6	0.01	0.00
114153	0.06	0.5	0.7	0.1	0.06	0.22	0.5	0.00	0.00
114154	0.29	11	0.8	0.1	0.01	0.03	0.2	0.01	0.00
114155	0.025	0.5	0.25	0.1	0.01	0.00	0.1	0.00	0.00
113351	1.13	0.5	10.6	0.1	0.06	0.93	80	3.40	0.28
113352	0.025	1	1	0.1	0.00	0.01	0.4	0.02	0.00
113353	0.23	0.5	0.6	0.1	0.00	0.01	0.2	0.01	0.00
113354	0.025	0.5	0.25	0.1	0.00	0.00	0.05	0.00	0.00
113386	11	0.5	2.1	0.1	78.73	0.48	491	0.69	
113387	3.11	2	7.7	0.1	12.38	13.03		0.19	
113388	1.45	22	15.6	0.1	18.9	18.87	111	0.18	
113389	1.62	5	11	0.1	28.44	25.45	212	0.25	
113390	11	0.5	1.4	0.1	82.55	1.03	919	0.05	
113391	6.41	4	4.2	0.1	67.93	3.37	356	0.53	
113392	7.6	0.5	7.6	0.2	65.05	4.01	500	1.06	

SAMPLE	WAYPOINT	UTM_E	UTM_N	CRS	DEPTH_m	HORIZON	COLOUR	TEXTURE	ORGANICS	FRAGMENTS	SLOPE
1543819	219	482737	7135854	NAD83 zone 8N	0.5	Bt	Obr	Clay/flakes	5	15	80
1543820	220	482778	7135874	NAD83 zone 8N	0.45	Bt	GYBr	clay	1	50	70
1543821	221	482842	7135882	NAD83 zone 8N	0.4	Bt	Br	clay	5	10	60
1543823	223	482939	7135911	NAD83 zone 8N	0.3	Bt	Br	clay	5	30	50
1543824	224	482994	7135924	NAD83 zone 8N	0.45	Bt	Br	clay	1	20	45
1543825	225	483042	7135935	NAD83 zone 8N	0.25	Bt	Br	clay	5	25	55
1543826	226	483078	7135942	NAD83 zone 8N	0.3	Bt	Br	clay/schist	5	30	55
1543827	227	483129	7135969	NAD83 zone 8N	0.2	Ba	Br	clay/schist	5	45	50
1543828	228	482749	7135836	NAD83 zone 8N	0.4	Bt	Obr	clay	1	15	65
1543829	229	482775	7135840	NAD83 zone 8N	0.35	Bt	GyBr	clay/schist	1	50	60
1543830	230	482854	7135839	NAD83 zone 8N	0.65	Bt	Obr	clay	1	10	60
1543831	231	482904	7135862	NAD83 zone 8N	0.35	Bt	Obr	clay	1	15	60
1543832	232	482940	7135861	NAD83 zone 8N	0.15	Bt	Br	clay	1	40	45
1543833	233	482995	7135875	NAD83 zone 8N	0.2	Ba	Br	clay/schist	5	45	50
1543834	234	483050	7135891	NAD83 zone 8N	0.3	Bm	Br	gravel & clay	1	30	20
1543835	235	483099	7135892	NAD83 zone 8N	0.4	Bf	br	gravel & clay	2	30	30
1543836	236	483145	7135908	NAD83 zone 8N	0.35	Bg	br	gravel & clay	2	35	30
1543837	237	482766	7135785	NAD83 zone 8N	0.35	Bg	br	gravel & clay	2	30	50
1543838	238	482812	7135790	NAD83 zone 8N	0.5	Bm	obr	gravel & clay	1	20	50
1543839	239	482866	7135799	NAD83 zone 8N	0.3	Bg	br	gravel & clay	2	50	30
1543840	240	482913	7135808	NAD83 zone 8N	0.55	Bg	obr	gravel & clay	1	35	20
1543841	241	482960	7135820	NAD83 zone 8N	0.35	Bf	obr	gravel & clay	1	30	20
1543842	242	483010	7135832	NAD83 zone 8N	0.45	Bm	obr	gravel & clay	1	30	40
1543843	243	483065	7135835	NAD83 zone 8N	0.4	Bg	gy	gravel & clay	1	35	40
1543844	244	483110	7135845	NAD83 zone 8N	0.4	Bm	obr	gravel & clay	1	35	40
1543845	245	483156	7135856	NAD83 zone 8N	0.4	Bm	obr	gravel & clay	1	30	30
1543848	248	482877	7135753	NAD83 zone 8N	0.4	BM	Obr	clay & gravel	2	35	25
1543849	249	482918	7135757	NAD83 zone 8N	0.55	C	Strong brn	fine silt/rock frag	0	95	30
1543850	250	482973	7135768	NAD83 zone 8N	0.65	C/Wb	Strong brn	coarse gritty rock flour	0-2	90	30
1543851	251	483025	7135777	NAD83 zone 8N	0.65	Bt/C	dull light gy/br	clay & silt, fine/coarse rock grit	1	80	40
1543852	252	483070	7135778	NAD83 zone 8N	0.6	Bm?	dull cu/br	clayey silt	5	50	35
1543853	253	483120	7135794	NAD83 zone 8N	0.65	Bt/C	dull redish/br	clayey silt	2	35	35
1543854	254	483163	7135802	NAD83 zone 8N	0.6	Bt-Bc	dull gy/brn	clayey silt	5	20	3.5
1543855	255	482786.6939	7135685.857	NAD83 zone 8N							
1543856	256	482835.9519	7135694.44	NAD83 zone 8N							
1543857	257	482885.2099	7135703.022	NAD83 zone 8N							
1543858	258	482934.4678	7135711.604	NAD83 zone 8N							
1543859	259	482980	7135726	NAD83 zone 8N	0.3	Bm/g	gy/cu/br	clayey silt	5	20	42857
1543860	260	483046	7135714	NAD83 zone 8N	0.1	Ah	strong gy/br	clayey silt	5	40	30
1543861	261	483082	7135738	NAD83 zone 8N	0.7	Bc	strong gy/br	Rock frag clay/silt		90	35
1543862	262	483124	7135751	NAD83 zone 8N	0.75	Bm/bt	dull gy/brn	clayey silt	10	20	40
1543863	263	483174	7135762	NAD83 zone 8N	0.5	Bm/bt	dull gy/brn	clayey silt	5	25	25
1907615	15	480636	7135871	NAD83 zone 8N	0.3	Bm	br	lots of slate some soil	3	45	35
1907617	17	480693	7135950	NAD83 zone 8N	0.45	Bg	br	clay slate f rag	4	40	35
1907618	18	480721	7135993	NAD83 zone 8N	0.45	Bm	br	clay rocks	5	25	40
1907619	19	480747	7136034	NAD83 zone 8N	0.45	Bm	obr	clay rusty minerals	4	20	40

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1907620	20	480776	7136074	NAD83 zone 8N	0.5	Bm	obr	clay rusty minerals	4	30	35
1907621	21	480810	7136115	NAD83 zone 8N	0.5	Bm	obr	clay & organics	10	5	30
1907622	22	480834	7136160	NAD83 zone 8N	0.5	Bm	obr	clay rock and orange	5	25	30
1907623	23	480866	7136203	NAD83 zone 8N	0.35	Bg	br	dry clay, rock	2	25	30
1907626	26	480950	7136320	NAD83 zone 8N	0.45	Bm	br	clay and rock	10	10	35
1907627	27	480997	7136360	NAD83 zone 8N	0.5	Bg	Br	clay and shale	2	45	40
1907628	28	481005	7136405	NAD83 zone 8N	0.5	Bg	Bf	very rocky soil and shae	2	90	40
1907629	29	480680	7135829	NAD83 zone 8N	0.45	Bm/Bt	cu gy br		<5	35	35
1907630	30	480692	7135889	NAD83 zone 8N	0.45	Bt/Bc	gy br		5	30	35
1907631	31	480731	7135916	NAD83 zone 8N	0.3	Bm	tan gy br		5	35	30
1907632	32	480764	7135962	NAD83 zone 8N	0.4	Bt/Bc	tan gy br		5	20	25
1907633	33	480789	7136004	NAD83 zone 8N	0.75	BT	tan cu gy br		<5	20	30
1907634	34	480815	7136042	NAD83 zone 8N	0.65	Bt	gybr		5	20	25
1907635	35	480845	7136083	NAD83 zone 8N	0.55	Bt	cu gy br		0	25	35
1907636	36	480876	7136129	NAD83 zone 8N	0.6	Bt	gybr		<2	30	30
1907637	37	480903	7136165	NAD83 zone 8N	0.65	Bm	cu gy br		<5	20	30
1907638	38	480932	7136205	NAD83 zone 8N	0.6	Bt	gybr		5	20	35
1907639	39	480956	7136248	NAD83 zone 8N	0.45	Bf	light cu gy brn	gritty	5	35	35
1907640	40	480990	7136292	NAD83 zone 8N	0.35	Bf	light cu gy brn	clayey silt	5	15	30
1907641	41	481016	7136326	NAD83 zone 8N	0.6	Bc/Bt	gy	silty clay, shale grit	0	75	40
1907642	42	481040	7136369	NAD83 zone 8N	0.4	Bc	gy	silty clay, shale grit	0	75	30
1907643	43	480712	7135810	NAD83 zone 8N	0.3	Bt	Obr	clay	1	10	45
1907644	44	480743	7135847	NAD83 zone 8N	0.35	Bt	Gy	clay/shale	1	45	35
1907645	45	480773	7135901	NAD83 zone 8N	0.2	Bt	Br	clay/shale	1	50	50
1907646	46	480799	7135932	NAD83 zone 8N	0.4	Bt	Gy	shale	1	50	45
1907647	47	480825	7135971	NAD83 zone 8N	0.5	Bt	Obr/Gy	clay/shale	5	15	45
1907648	48	480857	7136022	NAD83 zone 8N	0.4	Bt	Obr	clay/shale	10	20	45
1907649	49	480887	7136055	NAD83 zone 8N	0.45	Bt	Obr	clay/shale	5	25	45
1907650	50	480913	7136097	NAD83 zone 8N	0.5	Bt	Obr	clay/shale	1	30	45
1907651	51	480941	7136140	NAD83 zone 8N	0.45	Bt	Obr	clay/shale	5	35	45
1907652	52	480975	7136181	NAD83 zone 8N	0.45	Bt	Obr	clay/shale	5	45	55
1907653	53	481004	7136220	NAD83 zone 8N	0.4	Bt	Obr	clay/shale	1	35	55
1907654	54	481026	7136261	NAD83 zone 8N	0.2	Bt	BR	clay/shale	10	35	55
1907655	55	481062	7136308	NAD83 zone 8N	0.3	Bt	GyBr	clay/shale	5	35	60
1907656	56	481086	7136346	NAD83 zone 8N	0.35	Bt	BR	clay	1	15	65
1907657	57	480759	7135786	NAD83 zone 8N	0.35	Bt	Gy	clay/shale	1	25	30
1907658	58	480784	7135820	NAD83 zone 8N	0.3	Bt	Obr	clay/shale	1	50	25
1907659	59	480814	7135863	NAD83 zone 8N	0.25	Bt	Br	shale	1	60	35
1907660	60	480845	7135902	NAD83 zone 8N	0.25	Bt	GY/Br	shale	1	50	35
1907661	61	480796	7135759	NAD83 zone 8N	0.4	Bt	Obr	clay	1	25	45
1907662	62	480822	7135793	NAD83 zone 8N	0.45	Bt	Gy	clay/shale	1	30	20
1907663	63	480857	7135841	NAD83 zone 8N	0.25	Bt	Obr	clay/shale	5	25	15
1907664	64	480885	7135870	NAD83 zone 8N	0.2	Bt	Obr	clay/shale	10	20	flat
1907667	67	480894	7135798	NAD83 zone 8N	0.45	Bt	gy		<5	20	10
1907668	68	480930	7135850	NAD83 zone 8N	0.45	Bm/Bt	gy		<5	25	15
1907697	97	481608	7136173	NAD83 zone 8N	0.4	bm	obr	clay & small rocks	2	35	30

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1907698	98	481652	7136144	NAD83 zone 8N	0.5	bg	br	clay & rock	25	10	45
1907699	99	481695	7136120	NAD83 zone 8N	0.3	bt	br	clay	15	5	40
1907700	100	481734	7136094	NAD83 zone 8N	0.4	bg	br	maleable clay	15	5	40
1907701	101	481779	7136064	NAD83 zone 8N	0.55	bf	obr	clay	8	15	35
1907704	104	481900	7135979	NAD83 zone 8N	0.5	bg	br	gravelly clay	15	15	35
1907705	105	481946	7135957	NAD83 zone 8N	0.4	bg	gy	maleable clay	5	3	30
1907706	106	481986	7135931	NAD83 zone 8N	0.6	bt	gy	maleable clay	5	4	30
1907707	107	482033	7135903	NAD83 zone 8N	0.5	bg	gy	maleable clay	20	4	25
1907708	108	482070	7135876	NAD83 zone 8N	0.45	bf	obr	clay & rock frag	10	10	30
1907709	109	481623	7136087	NAD83 zone 8N	0.3	bg	obr	clay & rock frag	3	30	35
1907710	110	481663	7136080	NAD83 zone 8N	0.3	bm	obr	rocky clay between rocks	3	30	40
1907711	111	481665	7136050	NAD83 zone 8N	0.4	bm	obr	rocky clay between rocks	4	30	40
1907712	112	481708	7136028	NAD83 zone 8N	0.2	bm	obr	rocky clay between rocks	2	40	35
1907713	113	481745	7135994	NAD83 zone 8N	0.35	bg	br	rocky clay between rocks	5	15	45
1907714	114	481787	7135966	NAD83 zone 8N	0.25	bg	gy	rocky clay	10	40	45
1907715	115	481833	7135945	NAD83 zone 8N	0.5	bg	gy	clay org a little rock	10	5	55
1907716	116	481872	7135915	NAD83 zone 8N	0.6	bg	gy	clay rock organics	10	1	38
1907717	117	481918	7135891	NAD83 zone 8N	0.5	bg	gy	clay & organics	10	1	35
1907718	118	481959	7135869	NAD83 zone 8N	0.6	bg	gy	rocky clay	5	5	35
1907719	119	481999	7135833	NAD83 zone 8N	0.55	bg	gy	clay & organics	15	5	25
1907720	120	482045	7135809	NAD83 zone 8N	0.5	bm	gy w red	clay & rock frag	5	5	25
1907721	21	481555	7136080	NAD83 zone 8N	0.5	Bf/Bt	light cu gy brn	gritty clayey silt	5	25	45
1907723	23	481632	7136011	NAD83 zone 8N	0.55	Bf/Bt	light cu gy brn	gritty clayey silt	<2	25	40
1907724	24	481665	7136003	NAD83 zone 8N	0.65	Bf/Bt	light cu brn	gritty clayey silt	5	30	35
1907725	25	481709	7135977	NAD83 zone 8N	0.35	Bm/Bt	dk gy/br	gritty silt	5	35	40
1907726	26	481762	7135957	NAD83 zone 8N	0.5	Bm	dk gy-brn	gritty silt	5	5	40
1907727	27	481813	7135920	NAD83 zone 8N	0.6	Bm	dk gy-brn	silt loam	10	10	35
1907728	28	481846	7135899	NAD83 zone 8N	0.45	Bm	dk gy-brn	silt loam	10	10	30
1907729	29	481892	7135868	NAD83 zone 8N	0.55	Bm	dk gy-brn	clayey silt	5	5	30
1907730	30	481934	7135848	NAD83 zone 8N	0.5	Bm	dk gy-brn	clayey silt	5	5	35
1907731	31	481978	7135821	NAD83 zone 8N	0.55	Bm	dk gy-brn	gritty silt	15	15	40
1907732	32	482011	7135800	NAD83 zone 8N	0.5	Bm	dk gy-brn	clayey silt (loam)	15	15	35
1907733	33	481525	7136052	NAD83 zone 8N	0.6	Bt		gritty clayey silt	<2	45	40
1907734	34	481561	7136043	NAD83 zone 8N	0.45	Bt	dull cu/br	gritty clayey silt	5	30	35
1907735	35	481601	7135993	NAD83 zone 8N	0.55	Bm	dull cu/br	gritty clayey silt	5	25	30
1907736	36	481645	7135974	NAD83 zone 8N	0.65	Ah-Bm	d/c br	gritty clayey silt	15	65	35
1907737	37	481690	7135956	NAD83 zone 8N	0.6	Ah-Bm	cu/br	gritty clayey silt	15	40	40
1907738	38	481731	7135917	NAD83 zone 8N	0.45	Bm	dark gy/brn	gritty clayey silt	10	30	35
1907739	39	481772	7135886	NAD83 zone 8N	0.45	Ah/Bm	dk brn/cu	gritty clayey silt	15	25	35
1907740	40	481818	7135862	NAD83 zone 8N	0.6	Bm/Ah	dk brn/dk gybr	loamy clay silt	15	25	30
1907741	41	481858	7135835	NAD83 zone 8N	0.55	Bm	marbled dk gyb	clayey silt	5	15	30
1907742	42	481902	7135811	NAD83 zone 8N	0.45	Bm?	dk brn marble -	clayey silt	10	10	30
1907743	43	481947	7135780	NAD83 zone 8N	0.45	Bm	dk gy-brn	clayey silt	10	10	5
1907744	44	481993	7135757	NAD83 zone 8N	0.5	BM/h	dk gy-brn	silty loam	20	20	30
1907745	145	481706	7135878	NAD83 zone 8N	0.35	Bt	Br	clay/rock	5	40	20
1907746	146	481750	7135838	NAD83 zone 8N	0.45	Bt	Br	clay	15	10	50

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1907747	147	481792	7135815	NAD83 zone 8N	0.4	Bt	Br	clay	15	5	30
1907748	148	481842	7135773	NAD83 zone 8N	0.35	Bt	Br	clay	10	15	50
1907749	149	481877	7135766	NAD83 zone 8N	0.45	Bt	Br	clay	10	15	50
1907750	150	481912	7135731	NAD83 zone 8N	0.25	Bt	Br	clay	15	15	50
1907751	151	481962	7135710	NAD83 zone 8N	0.25	Bt	Br	clay	15	15	50
1907752	152	481689	7135824	NAD83 zone 8N	0.15	Bt	Br	clay	10	15	65
1907753	153	481725	7135812	NAD83 zone 8N	0.4	Bt	Br	clay	15	5	50
1907754	154	481762	7135779	NAD83 zone 8N	0.3	Bt	Br	clay	10	20	50
1907755	155	481783	7135758	NAD83 zone 8N	0.35	Bt	Br	clay	15	15	55
1907756	156	481852	7135716	NAD83 zone 8N	0.35	Bt	Br	clay	5	15	60
1907757	157	481652	7135784	NAD83 zone 8N	0.35	Ba	Br/RoBR	clay	15	20	60
1907758	158	481698	7135776	NAD83 zone 8N	0.35	Bt	Obr	clay		20	45
1907759	159	481747	7135747	NAD83 zone 8N	0.35	Ba	Br	clay	25	5	45
1907760	160	481798	7135690	NAD83 zone 8N	0.45	Bt	Obr	clay	10	15	50
1907761	161	481616	7135750	NAD83 zone 8N	0.25	Ba	Br/RoBR	clay	20	1	55
1907762	162	481678	7135705	NAD83 zone 8N	0.3	Bt	Obr	clay	15	40	60
615101	101	481636	7136220	NAD83 zone 8N	0.7	Bg	OBR	clay	1	15	45
615102	102	481682	7136200	NAD83 zone 8N	0.25	B	BR	clay	10	20	30
615103	103	481713	7136161	NAD83 zone 8N	0.7	Bg	OBR	clay/gravel	1	50	40
615104	104	481756	7136131	NAD83 zone 8N	0.85	B	OBR	clay	5	25	40
615106	106	481831	7136068	NAD83 zone 8N	0.75	B	BR	clay	10	60	40
615107	107	481973	7135964	NAD83 zone 8N	0.3	Bg	BR	clay	5	45	40
615109	109	481974	7135990	NAD83 zone 8N	0.35	Bg	BR	clay	50	5	40
615110	110	482014	7135967	NAD83 zone 8N	0.3	Bg	BR	clay	5	5	30
615111	111	482052	7135941	NAD83 zone 8N	0.85	Bg	BR	clay	5	10	30
615112	112	482098	7135918	NAD83 zone 8N	0.4	Bg	BR	clay	1	1	20
615113	113	481641	7136281	NAD83 zone 8N	0.5	Bt	OBR	clay	1	25	45
615114	114	481687	7136226	NAD83 zone 8N	0.6	Bg	OBR	clay	10	15	45
615115	115	481809	7136263	NAD83 zone 8N	0.5	Bg	OBR	clay	5	5	30
615116	116	481773	7136160	NAD83 zone 8N	0.4	Bt	OBR	clay	5	1	30
615117	117	481801	7136135	NAD83 zone 8N	0.4	Bt	OBR	clay	10	5	30
615118	118	481848	7136117	NAD83 zone 8N	0.3	Bg	OBR	clay	10	1	20
615119	119	481899	7136088	NAD83 zone 8N	0.55	Bg	GY/OBR	clay	5	10	20
615120	120	481944	7136081	NAD83 zone 8N	0.65	Bt	OBR	clay	1	10	20
615121	121	481976	7136039	NAD83 zone 8N	0.4	Bt	BR	clay	5	15	20
615122	122	482044	7136013	NAD83 zone 8N	0.3	Bt	BR	clay	10	15	20
615123	123	482080	7135981	NAD83 zone 8N	0.4	Bt	BR	clay	10	10	25
615124	124	482126	7135964	NAD83 zone 8N	0.35	Bt/Bg	BR	clay	25	10	30
615125	125	481699	7136307	NAD83 zone 8N	0.3	Bg	OBR	clay	1	50	45
615126	126	481732	7136268	NAD83 zone 8N	0.3	Bg	OBR	clay	1	15	45
615127	127	481773	7136244	NAD83 zone 8N	0.6	Bg	OBR	clay	1	15	45
615128	128	481815	7136208	NAD83 zone 8N	0.85	Bg	OBR	clay	1	25	10
615129	129	481864	7136198	NAD83 zone 8N	0.15	Bg	BR	clay	1	15	5
615130	130	481905	7136166	NAD83 zone 8N	0.15	Bg	BR	clay	10	20	5
615131	131	481947	7136136	NAD83 zone 8N	0.3	Bg	OBR	clay	5	10	45
615132	132	481985	7136113	NAD83 zone 8N	0.25	Bg	BR	clay	5	10	5

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615133	133	482031	7136080	NAD83 zone 8N	0.25	Bg	BR	clay	5	35	5
615134	134	482072	7136056	NAD83 zone 8N	0.35	Bg	BR	clay	5	1	5
615135	135	482118	7136038	NAD83 zone 8N	0.35	Bg	BR	clay	1	20	5
615136	136	482161	7135997	NAD83 zone 8N	0.65	Bg	BR	clay	5	25	25
615137	137	481716	7136336	NAD83 zone 8N	0.2	Bt/A	BR	clay	40	20	45
615138	138	481752	7136296	NAD83 zone 8N	0.2	Bt/A	BR	clay	50	1	45
615139	139	481807	7136291	NAD83 zone 8N	0.4	Bg	OR	clay	5	10	25
615140	140	481841	7136271	NAD83 zone 8N	0.4	Bt	OBR	clay	5	15	10
615141	141	481884	7136246	NAD83 zone 8N	0.25	Bt	BR	clay	1	10	0
615142	142	481927	7136216	NAD83 zone 8N	0.3	Bg	OBR	clay	1	15	10
615143	143	481953	7136172	NAD83 zone 8N	0.3	Bg	OBR	clay	5	10	0
615144	144	481999	7136141	NAD83 zone 8N	0.4	Bt	OBR	clay	10	15	10
615145	145	482043	7136117	NAD83 zone 8N	0.5	Bg	OBR	clay	10	20	45
615146	146	482088	7136110	NAD83 zone 8N	0.5	Bt	BR	clay	15	10	45
615147	147	482144	7136087	NAD83 zone 8N	0.7	Bt	BR	clay	1	15	45
615148	148	482174	7136043	NAD83 zone 8N	0.6	Bt	BR	clay	5	20	45
615149	149	481744	7136385	NAD83 zone 8N	0.4	Bg	BR	clay/gravel	1	65	45
615150	150	481784	7136352	NAD83 zone 8N	0.3	Bg	OBR	clay	10	40	40
615151	151	481819	7136308	NAD83 zone 8N	0.4	Bg	BR	clay	1	5	5
615152	152	481867	7136290	NAD83 zone 8N	0.35	Bg	BR(?)	clay	1	5	40
615153	153	481914	7136274	NAD83 zone 8N	0.25	Bg	BR	clay	5	25	35
615155	155	481998	7136213	NAD83 zone 8N	0.6	Bg	OBR	clay	1	50	30
615173	173	481779	7136416	NAD83 zone 8N	0.4	Bt	GYBR	clay	3	15	30
615174	174	481740	7136462	NAD83 zone 8N	0.4	Bt	BR	clay	15	5	45
615175	175	481711	7136480	NAD83 zone 8N	0.3	Ba	BR	clay	30-40	10	45
615176	176	481663	7136520	NAD83 zone 8N	0.2	Ba	BR	clay	40	5	45
615177	177	481747	7136473	NAD83 zone 8N	0.5	Bt	BR	clay	30-40	5	45
615178	178	481561	7136548	NAD83 zone 8N	0.3	Bt/Ba	BR	clay	30	10	45
615179	179	481513	7136583	NAD83 zone 8N	0.4	Bt	BR	clay	25	5	45
615180	180	481485	7136619	NAD83 zone 8N	0.5	Bt	BR	clay	15	5	45
615181	181	481759	7136383	NAD83 zone 8N	0.35	B	BR	clay	10	26	45
615182	182	481729	7136423	NAD83 zone 8N	0.85	B	OBR	clay	15	15	45
615183	183	481662	7136471	NAD83 zone 8N	0.4	B	BR	clay	5	5	45
615184	184	481630	7136472	NAD83 zone 8N	0.9	B	OBR	clay	50-75	5	45
615185	185	481577	7136489	NAD83 zone 8N	0.25	B	OBR	clay	5	5	45
615186	186	481536	7136516	NAD83 zone 8N	0.2	B	OBR	clay	10	10	45
615187	187	481497	7136546	NAD83 zone 8N	0.25	B	OBR	clay	5	15	45
615188	188	481458	7136584	NAD83 zone 8N	0.25	B	OBR	clay	5	15	45
615190	190	481382	7136559	NAD83 zone 8N	0.1	B	OBR	clay	5	15	45
615191	191	481423	7136532	NAD83 zone 8N	0.15	B	OBR	clay	10	25	40
615192	192	481465	7136506	NAD83 zone 8N	0.7	B	OBR	clay	5	25	45
615193	193	481508	7136479	NAD83 zone 8N	0.65	B	OBR	clay	10	30	45
615194	194	481549	7136446	NAD83 zone 8N	0.6	B	OBR	clay	50	25	45
615195	195	481591	7136421	NAD83 zone 8N	0.75	B	OBR	clay	10	25	45
615196	196	481637	7136395	NAD83 zone 8N	0.85	B	OBR	clay	0	20	40
615197	197	481646	7136317	NAD83 zone 8N	0.6	Bt/Ba	BR	clay	20	5	45

SAMPLE	WAYPOINT	UTM_E	UTM_N	CRS	DEPTH_m	HORIZON	COLOUR	TEXTURE	ORGANICS	FRAGMENTS	SLOPE
615198	198	481610	7136359	NAD83 zone 8N	0.4	Bt	BR	clay/schist	15	20	45
615199	199	481569	7136386	NAD83 zone 8N	0.3	Bt	OBR	clay	10	25	45
615200	200	481527	7136411	NAD83 zone 8N	0.4	Bt	BR	clay	5	25	45
615201	201	481478	7136442	NAD83 zone 8N	0.5	Bt	GYBR	clay/schist	5	30	45
615202	202	481433	7136460	NAD83 zone 8N	0.6	Bt	GYBR	clay/schist	1	40	45
615203	203	481398	7136498	NAD83 zone 8N	0.6	Bt	GYBR	schist	5	35	45
615204	204	481359	7136502	NAD83 zone 8N	0.4	Bt	BR	clay	15	20	45
615205	205	481618	7136269	NAD83 zone 8N	0.5	Bg	OBR	clay	5	15	45
615206	206	481576	7136295	NAD83 zone 8N	0.4	Bt	BR	clay	15	10	45
615207	207	481569	7136327	NAD83 zone 8N	0.5	Bt/Bg	OBR	clay	10	10	45
615208	208	481503	7136358	NAD83 zone 8N	0.5	Bt	BR	clay	1	25	45
615209	209	481473	7136368	NAD83 zone 8N	0.35	Bt	BR	clay	5	20	45
615210	210	481423	7136428	NAD83 zone 8N	0.4	Bt	OBR	clay/schist	1	35	45
615211	211	481376	7136451	NAD83 zone 8N	0.7	Bt	BR	clay/schist	3	30	45
615212	212	481338	7136469	NAD83 zone 8N	0.3	Bt	BR	clay	5	40	45
615213	213	481590	7136237	NAD83 zone 8N	0.65	B	OBR	clay	5	30	35
615214	214	481549	7136263	NAD83 zone 8N	0.75	B	OBR	clay	5	5	35
615215	215	481509	7136295	NAD83 zone 8N	0.15	Bg	OBR	clay	5	5	45
615216	216	481469	7136320	NAD83 zone 8N	0.3	Bg	OBR	clay	5	15	45
615217	217	481422	7136349	NAD83 zone 8N	0.85	Bg	OBR	clay	5	25	45
615218	218	481383	7136379	NAD83 zone 8N	0.4	Bg	OBR	clay	5	15	45
615219	219	481342	7136403	NAD83 zone 8N	0.35	Bg	OBR	clay	35	20	50
615220	220	481300	7136435	NAD83 zone 8N	0.4	Bg	OBR	clay	20	25	45

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
1543819	Base of cliff	WHI17000351	3.8	114.8	307.3	446	0.3	93.9	61	3242	8.96	117.4
1543820	steep	WHI17000351	4.2	120.4	103.3	185	0.2	123.5	60	2551	6.85	40.5
1543821	next to tree	WHI17000351	2.8	110.9	41.5	125	0.4	91.6	37.9	1230	7.51	243
1543823		WHI17000351	1.5	39.8	55.4	80	0.05	27.5	24.1	1793	4.67	19
1543824	top of ridge	WHI17000351	1.3	29.2	23.2	78	0.05	27.1	19.7	1122	3.34	24.8
1543825		WHI17000351	1.8	25.7	28.8	56	0.05	19.9	16	1066	4.02	19.8
1543826	above levee	WHI17000351	1.4	29.9	40	64	0.2	23.5	18.3	1187	4.41	22
1543827		WHI17000351	1.6	73.9	72.6	85	0.1	38.7	36.5	2186	3.83	31.2
1543828	top of cliff	WHI17000351	3.3	65.3	142.4	282	0.2	49.7	45.7	3265	7.22	76.1
1543829	no soil	WHI17000351	2.2	101.6	114.7	129	0.2	57.2	50.2	1715	5.09	44.6
1543830		WHI17000351	1.9	107.1	210.5	468	0.5	135	51.5	2363	8.99	178.9
1543831		WHI17000351	0.9	61.7	175	475	0.2	112	43.9	1833	9.22	138.7
1543832		WHI17000351	1.5	23	23.4	72	0.05	19.9	14.6	1230	2.92	12.6
1543833	no soil	WHI17000351	1.6	26.6	50.5	72	0.05	21.5	16.4	1507	5.01	21.9
1543834	mossy & lichen rocky slope	WHI17000351	1.4	28	33.2	75	0.05	26.9	17	923	3.37	22.2
1543835	mossy & lichen rocky slope	WHI17000351	1.7	38.3	46.2	73	0.1	23.7	20.2	1184	4.93	25
1543836	mossy & lichen rocky slope	WHI17000351	1.2	39.9	41.1	83	0.05	26.2	18.4	1574	3.54	19.1
1543837	steep talus	WHI17000351	1.9	72.5	84.7	120	0.2	47.7	30.1	2012	4.12	57.1
1543838	steep slope talus oxidized ore	WHI17000351	2.3	137.6	142.2	370	0.2	70.7	53.7	2615	8.38	95.4
1543839	steep slope	WHI17000351	1.8	66.1	112.6	157	0.2	43.4	28.9	1849	4.57	29.2
1543840	shale rusty slope below saddle	WHI17000351	1.5	54.1	458.9	3122	0.3	93.6	35.1	5619	7.62	47
1543841	on saddle of hill	WHI17000351	1.3	54.3	211	336	0.2	49.2	19.7	1074	5.86	52.8
1543842	lichen gr birch shale slope	WHI17000351	1.1	31	48.4	78	0.1	26.4	15.2	974	4.21	9.7
1543843	grey gravelly soil	WHI17000351	0.8	40.9	27.3	68	0.05	33.3	18	1065	2.7	35
1543844	oxidized ore	WHI17000351	1.6	33.9	35.6	80	0.1	29	20.2	2602	4.37	31.4
1543845	decayed minerals orange	WHI17000351	1.2	107.4	34.8	147	0.6	60.5	25	1290	4.5	67.4
1543848	open lichen & shale talus	WHI17000351	1.1	20.2	27	67	0.05	24.8	10.5	668	3.52	16.2
1543849	no soil after 12 probes in 15m bagged rep stratum	WHI17000351	1.1	36.6	60	93	0.1	25.1	16.6	946	4.04	11
1543850	lots of fine grit/silt, rusty bloches	WHI17000351	0.7	23.8	51	101	0.05	35.4	19.2	1446	3.9	4.6
1543851	rusty stains, strong red frags surrounding hole	WHI17000351	1.6	79.4	70.8	209	0.2	55.5	41.7	2363	7.49	40.1
1543852	strong oxidation and full sample	WHI17000351	1	71.8	70.1	159	0.3	64.3	32.7	1170	6.14	71.5
1543853	nice oxid stains, pebbs of same	WHI17000351	1.4	84.4	101.1	208	0.4	59.5	34.6	1830	8.54	72.5
1543854	Oxidized at base and grades into dull light gray	WHI17000351	1.5	78	504.3	994	0.7	83	30.3	1980	6.2	34.6
1543855	ideal cords	WHI17000351	1.2	46.2	79.1	97	0.1	33.5	22.6	1248	4.2	23.2
1543856	ideal cords	WHI17000351	1.2	43.2	46.3	67	0.05	25.7	19.1	1116	3.18	20.1
1543857	ideal cords	WHI17000351	2.8	46.2	61.5	138	0.3	45.6	26.6	3247	7.57	59.7
1543858	ideal cords	WHI17000351	0.9	45.3	43.5	70	0.05	23.4	16.8	1011	2.66	11.7
1543859	saddle space stony sample	WHI17000351	1.1	17.2	36.7	227	0.05	14.8	6.9	225	2.52	10.9
1543860	surface and posure on talus, no soil in many probes	WHI17000351	9.4	87.2	132	133	0.3	43	29.7	6469	4.6	180.3
1543861	loose stony ground and minor soil	WHI17000351	2	106.6	115	104	0.2	42.9	34	3587	4.89	36.2
1543862	hard to get samples	WHI17000351	1.7	119	80.9	206	0.2	83.1	39.1	1451	6.95	32.8
1543863	poor small sample from loose stony gravel	WHI17000351	1.8	101.3	119	268	0.3	70.4	40.1	2289	7.61	38.8
1907615	difficult to separate dirt	WHI17000351	0.9	38.1	26.5	74	0.05	28.4	12.9	731	3.19	12.7
1907617	lots of shale frag difficult to get dirt	WHI17000351	1.1	37.3	32.6	80	0.05	30.4	14.8	813	3.53	13.1
1907618	grassy opening amoungst trees	WHI17000351	1	33.8	68.9	157	0.05	32.7	14.2	572	3.35	32.1
1907619	lichen - clib moss covered hillside	WHI17000351	1.1	24.5	251.5	331	0.1	27.5	10.3	426	3.26	35

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
1907620	lichen - clib moss covered hillside	WHI17000351	1.5	63	623.5	1423	1.2	52.7	20.1	948	5.33	78
1907621	moss lichen covered some fir trees	WHI17000351	1.4	52.9	948.2	1507	0.7	84.3	25.7	1842	6.23	248.8
1907622	dirt rich area	WHI17000351	1.6	203.2	2198.5	3344	3.4	136.7	33.5	1325	8.16	204
1907623	in talus slope soil between rocks	WHI17000351	1.2	87.8	121.9	363	0.2	168.4	44.5	1500	7.69	160
1907626	lichen and moss covered shale slope	WHI17000351	1.1	62.1	133.2	459	0.2	65.9	29.6	1746	7.31	299
1907627	lichen and moss covered shale slope	WHI17000351	1	44.4	30.4	96	0.05	36.2	19.9	803	3.43	21.6
1907628	lichen and moss covered shale slope	WHI17000351	0.7	38	45.1	94	0.05	37.8	21.4	1016	4.68	8.8
1907629	lots of shaly frags	WHI17000351	1.1	28.3	28.1	70	0.05	22.5	12.5	810	3.82	11.5
1907630	lots of shaly frags	WHI17000351	1	46	30.4	71	0.05	27	14	735	3.08	13.9
1907631		WHI17000351	1.6	29.6	22.7	78	0.05	26.8	13.4	588	3.43	12.7
1907632	long slope grey shale frag and grit old H2O jug ahead	WHI17000351	1.1	32.7	30.3	75	0.05	27.2	13	638	3.31	12.8
1907633	strong ox'd ore	WHI17000351	1.4	75.6	412.4	906	0.8	56.6	22.7	1065	5.67	58.9
1907634	strong ox'd ore	WHI17000351	1.4	46.2	585.4	747	1.4	45.6	16.4	764	4.48	51.5
1907635	strong ox'd ore	WHI17000351	1.4	72	626.8	1218	1.1	48.7	21.9	980	4.75	65
1907636	strong ox'd ore	WHI17000351	1.3	26.4	62.6	113	0.05	37.8	14.7	988	3.67	29.8
1907637		WHI17000351	1.5	167.4	1287.2	2247	1.8	142.5	38.8	1433	8.14	186.8
1907638	adjacent float through btwn outrop spines	WHI17000351	1.4	73.4	79.7	202	0.2	116	35.2	1443	6.82	109.8
1907639	24 probes to find a small sample	WHI17000351	1.3	66.6	104.2	267	0.2	103.1	38.6	1707	6.68	284.2
1907640	marbled peat	WHI17000351	1.1	97	742.6	1686	0.6	70.6	36.7	1548	6.4	527.8
1907641	no soil , rock	WHI17000351	1.2	54.8	42.2	92	0.05	34.6	23.6	898	3.87	30.2
1907642	no soil , rock	WHI17000351	1.2	55.9	39.5	92	0.05	49.1	27.5	1137	3.51	33.8
1907643	near boulder outcrop	WHI17000351	1.6	16.9	20.8	91	0.05	23.9	9.7	565	3.23	12.2
1907644	mostly fragments	WHI17000351	0.8	41.5	40.9	66	0.05	25.1	14.1	701	2.96	11.7
1907645	mostly fragments	WHI17000351	1.3	52.4	45.6	82	0.05	27.6	18	1149	3.64	11.1
1907646	mostly fragments	WHI17000351	0.9	31	34.3	64	0.05	22.6	15.4	902	3.18	9.6
1907647	grey clay	WHI17000351	1.2	47	152.2	324	0.5	40.1	17.8	812	4.74	47.4
1907648	beside tree	WHI17000351	1.5	70.1	420.5	1369	0.8	55.8	22.8	1085	5.9	116.6
1907649	beside tree	WHI17000351	1.6	43.3	173.3	207	0.4	43.2	16.4	818	4.06	20.5
1907650	next to willow	WHI17000351	1.5	39.3	721.2	622	1.2	26.9	10.1	652	3.54	42.6
1907651		WHI17000351	1.1	36.2	98.6	226	0.2	46.3	17.6	1027	4.03	33.2
1907652	next to tree	WHI17000351	1.8	96.8	231.5	529	0.6	149	39.4	1501	8.14	133.7
1907653	not much soil	WHI17000351	0.9	80	31.9	138	0.1	199.9	55.7	2579	8.36	103.5
1907654	not much soil	WHI17000351	1.4	52.8	43.4	191	0.2	50.1	31.1	1891	6.5	170.4
1907655	not much soil	WHI17000351	1.1	71.4	51.3	86	0.05	30.3	22.8	911	4.06	20.8
1907656	on steep slope	WHI17000351	1.1	90.7	28.6	97	0.05	45.2	46.9	2003	5.8	36.5
1907657		WHI17000351	0.9	46.3	33.1	79	0.05	31.4	17.8	914	3.47	13.2
1907658	Shale	WHI17000351	1.7	27.6	23.6	85	0.05	23.9	11.9	713	4.32	13.1
1907659		WHI17000351	0.7	50.1	43.8	98	0.05	34.3	31.4	2573	4.13	6.2
1907660	mostly fragments	WHI17000351	1	33.2	22.9	63	0.05	20.2	13.9	832	2.91	5.8
1907661		WHI17000351	1.3	21.5	24.7	49	0.05	17.3	8.5	363	3.12	12.1
1907662	lots of shale	WHI17000351	0.9	43.2	37.1	74	0.05	34.3	18.1	1302	3.36	15.9
1907663	by food cache	WHI17000351	0.9	30.6	30.4	55	0.05	21.1	10.9	497	2.94	9.3
1907664	in camp	WHI17000351	1.1	24.7	25.6	56	0.05	23.4	14	851	3.35	12.1
1907667	grity - beyond increase 45	WHI17000351	1.2	25.5	22.9	61	0.05	18.8	11.8	627	3.43	12
1907668		WHI17000351	0.9	36.4	27.7	73	0.05	31.5	15.2	642	3.76	13
1907697	willow moss grass over rocks	WHI17000351	1.7	76.3	25.2	154	0.2	143.1	47.1	1517	8.67	42.4

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
1907698	steep moss over talus	WHI17000351	2.1	66.8	206.3	465	0.4	86.2	37	1877	7.63	88.5
1907699	steep moss over talus	WHI17000351	1.3	110.9	1309.1	3513	1.6	124.2	55.1	2657	11.73	230.3
1907700	steep moss over talus	WHI17000351	1.3	85	44.9	282	0.2	116.9	47	1488	8.04	35.4
1907701	steep moss over talus	WHI17000351	1.8	145.4	1826	4244	2.2	138.3	55.3	2496	9.98	387.3
1907704	mossy lichen between talus	WHI17000351	3	118.2	19.4	162	0.2	169.8	47.7	1158	7.97	19.8
1907705	moss willows alpine fir	WHI17000351	0.7	50.9	14.3	141	0.05	68.5	30.7	1157	6.55	12
1907706	open missy lichen	WHI17000351	0.8	51.1	25.2	121	0.1	51.3	25.1	900	5.01	12.2
1907707	mossy willows rock covered	WHI17000351	1	46.9	39.5	204	0.2	46.7	21	814	4.62	27.5
1907708	moss lichen covered fir	WHI17000351	0.8	35.6	28.8	100	0.1	56.3	26.3	982	5.29	12.9
1907709	open moss over talus	WHI17000351	1.9	82.9	235.8	569	0.4	111.7	45.5	2867	9.62	82.4
1907710	talus covered in moss and lichens	WHI17000351	2.7	148.9	4457.8	10001	3.2	145.1	60.1	3943	9.43	492.3
1907711	talus covered in moss and lichens	WHI17000351	1.3	95.2	147.5	558	0.3	146.5	57.2	1906	9.16	109.8
1907712	quartz & ore in area	WHI17000351	0.9	61.2	480	851	0.3	101.5	50.5	1690	7.79	70
1907713	soil from between talus rocks	WHI17000351	3.7	99.7	1003.2	3603	2	113.4	51.8	4016	9.45	224.3
1907714	on talus slope some moss	WHI17000351	2	85.7	43	236	0.2	80.6	34	1770	5.89	32.1
1907715	base of cliff + talus	WHI17000351	0.5	65.6	11.2	102	0.05	200.2	43.9	1353	6.28	9.1
1907716	mossy soap berry near cliff	WHI17000351	0.8	92	15.2	244	0.1	203.5	48.1	1435	6.83	19
1907717	moss willows alpine fir	WHI17000351	0.8	46.3	12.3	146	0.05	77.1	38.1	1348	7.47	10.9
1907718	steep open rich & grass & soil	WHI17000351	0.7	45.9	43.7	270	0.1	57	28	1410	5.85	31.8
1907719	large trees deep dark soil	WHI17000351	0.6	85.7	38.7	184	0.2	86.3	28.6	941	5.04	21.5
1907720	large trees deep dark soil	WHI17000351	0.3	93.8	20.5	180	0.05	131.1	39.2	777	6.28	16.6
1907721		WHI17000351	1.9	95.2	887.7	1915	0.5	189.4	76.4	3607	12.58	259.4
1907723	light ox'd specks	WHI17000351	1	67	7548.9	7044	8.9	83.6	43.6	2787	9.1	339.3
1907724		WHI17000351	1	95.5	759.8	2004	0.7	141.3	57.6	2173	9.74	326.7
1907725	shallow gritty sorc	WHI17000351	4.3	76.6	88.7	459	0.2	95.9	46.7	2405	6.57	36
1907726		WHI17000351	1.1	59.2	43.1	230	0.2	79	34.2	1712	5.16	34.6
1907727	organic marbling	WHI17000351	1.3	44	14.8	138	0.1	53.3	26.5	1409	5.61	14.7
1907728	org. texture fluff but not A	WHI17000351	3.4	38.7	16.3	180	0.05	52.7	28.7	1166	6	15.1
1907729		WHI17000351	0.6	60.8	26.5	196	0.05	94	31.4	911	5.4	19.2
1907730	open veg	WHI17000351	0.4	98.5	75.8	548	0.2	166.5	46.2	1119	7.95	127
1907731	organic blotches	WHI17000351	1.2	40.6	370.7	2708	0.3	45.6	22.1	1695	5.04	46.2
1907732	strong coppery/brn clay/silt nearby (not in this sample)	WHI17000351	0.8	31.3	24.8	155	0.05	50.8	21.4	1184	4.35	26.5
1907733	Small frost heave - minor oxid'	WHI17000351	1.6	102.6	510.9	1777	0.4	244.5	84.7	2599	10.76	219.8
1907734	ged strip off grid on rocks ox'd specs	WHI17000351	1.3	60.7	122.5	448	0.2	69	39.4	1697	6.83	40
1907735	veg strip in talus shallow soil	WHI17000351	1	46.8	313.6	996	0.4	62.4	35.5	1739	6.72	49.8
1907736	veg strip in talus shallow soil	WHI17000351	1.4	106.4	575.1	1891	0.5	159.8	58.2	1968	9.63	325.6
1907737	old sample adjacent to #36	WHI17000351	1.3	59.4	42.4	128	0.2	96	34.5	1682	5.18	32.3
1907738	light ox'd	WHI17000351	3.9	209.2	1411.5	2210	2.2	155.4	53	2467	7.65	313.6
1907739	veg over outcrope slope	WHI17000351	1	47.4	24.8	136	0.1	63.9	30.5	1169	4.09	23.4
1907740	loose marbles in bldr voids	WHI17000351	0.8	37.9	14.9	104	0.05	63.5	26.5	1017	4.63	18
1907741		WHI17000351	0.7	47.1	183.6	764	0.3	89.3	29.3	1344	5.47	71.1
1907742		WHI17000351	0.9	39.6	31.9	140	0.1	48.7	18.3	870	3.81	39.2
1907743		WHI17000351	1	32.8	25.9	87	0.05	36	19.2	1037	4.12	16
1907744	open veg/grass - ah marbles	WHI17000351	0.7	25.4	25.7	107	0.05	28.9	13.9	385	3.44	53.4
1907745	lots of fragments	WHI17000351	2.2	46.5	25.5	100	0.05	76	25.9	1135	4.81	16.3
1907746	on steep slope	WHI17000351	0.6	46.1	40.1	212	0.1	71.1	22.3	779	3.69	19.1

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
1907747	in clearing	WHI17000351	0.6	57.5	18.3	168	0.2	56	18.8	786	3.71	14.6
1907748	in willows	WHI17000351	1.5	31.5	68.8	125	0.2	40.6	22.1	1385	4.65	14.5
1907749	next to tree	WHI17000351	0.9	32.7	42.4	110	0.05	52.5	25.1	1604	4.68	16.4
1907750	in willows	WHI17000351	0.9	23.7	27.7	80	0.1	34.6	15	812	3.82	11.9
1907751	too many rocks	WHI17000351	0.8	56.9	19.9	123	0.1	47.8	22.9	710	4.98	24.8
1907752	very rocky	WHI17000351	1.3	35.1	41.6	118	0.2	47.6	19.6	902	3.88	22.9
1907753	in clearing	WHI17000351	0.9	44.5	22.1	94	0.1	73.3	22.8	910	3.92	14.8
1907754	in willows	WHI17000351	0.8	35.3	664.2	1439	0.3	40.8	20.7	1104	3.76	18.2
1907755	in willows	WHI17000351	0.8	21	26.8	127	0.05	34.8	16.2	721	3.81	11.1
1907756	in willows	WHI17000351	1	23.1	39	106	0.05	53.4	28.8	1226	5.92	19.3
1907757	very little soil	WHI17000351	1.4	51.9	140.7	662	0.2	78.7	27.1	1612	5.92	106.4
1907758	rocky	WHI17000351	1.8	75.2	153.5	459	0.4	138.3	38.5	1103	6.87	81
1907759	no soil	WHI17000351	1.5	31.5	228.6	899	0.2	30.9	22.2	1367	3.64	51.2
1907760	steep	WHI17000351	1.3	29.4	38.3	111	0.05	37.7	22	1432	4.43	19.5
1907761	no soil	WHI17000351	0.8	51.5	82.2	256	0.2	67.7	25.1	1035	3.68	34.4
1907762	no soil	WHI17000351	2.1	56.6	1441.4	991	1	67.7	23.4	987	6.1	133.3
615101	bottom of gulch	WHI17001083	1.7	68.1	57.2	152	0.2	83.6	28.9	1052	5.29	66.8
615102	rocky	WHI17001083	1.5	76.5	572.4	1754	0.8	90	32.2	1420	8.12	121.9
615103	rocky/gravel	WHI17001083	1.3	78.7	1190.3	2897	1.5	108.4	42.9	2309	10.13	132.8
615104	rock, sampled under spruce	WHI17001083	2.6	90.7	80.4	865	0.4	138.4	47.5	1449	8.47	210.3
615106	boulder field, limited sample	WHI17001083	4.6	102	59.2	394	0.3	195.7	54.5	2175	8.74	122.2
615107	boulder field	WHI17001083	5.6	92.3	99	563	0.3	145.6	48.9	1480	6.66	89.6
615109	limited clay	WHI17001083	0.7	40	10.9	112	0.05	55.1	24.7	1078	5.79	7.1
615110	edge forest	WHI17001083	0.7	49.3	19.2	113	0.1	55.6	25	907	5.04	10.9
615111	nice sample	WHI17001083	0.7	44.2	17.7	92	0.1	49.9	21.7	791	4.58	11.2
615112	50 m from creek	WHI17001083	0.7	39.9	21.7	105	0.1	42	16.9	651	3.37	12.6
615113	rocky	WHI17001083	2.1	58.1	146.8	333	0.2	89.5	34.2	2148	7.75	117.1
615114	soft orange clay	WHI17001083	2.5	84.4	85	330	0.2	198.1	58.7	1516	8.52	214.5
615115	soft orange clay	WHI17001083	2	85.9	513.3	1613	0.7	124.1	44.2	1941	10.08	143.7
615116	in willows	WHI17001083	1.4	77	154	665	0.4	114.2	39.7	1145	7.18	110.8
615117	rocky	WHI17001083	2.6	79.3	200.1	583	0.6	133	42.6	1691	9.1	1326.8
615118	soft clay	WHI17001083	1.5	78.5	704.9	1466	1.3	105.8	42.3	1752	9.09	160.8
615119	near creek	WHI17001083	1.5	59.7	27.4	143	0.2	87.8	29.2	897	4.87	32.2
615120	near creek	WHI17001083	2.2	48.8	22	207	0.2	67.6	21.6	767	3.99	34.1
615121	near creek	WHI17001083	0.8	45.9	15.1	156	0.05	64.4	24.4	959	4.39	26.6
615122	rocky	WHI17001083	0.7	44.3	16.6	96	0.1	54.6	24.4	992	4.95	9
615123	rocky	WHI17001083	0.7	35.8	11.8	83	0.1	33.1	12.9	531	2.83	9.7
615124	rocky, next to creek	WHI17001083	0.7	33.2	12.9	88	0.1	41.5	17.7	642	3.63	8.3
615125	edge of vegetation	WHI17001083	2	87.8	45.3	205	0.1	109.7	50.5	2558	7.31	49.4
615126	treeline	WHI17001083	3.9	142.7	96.9	263	0.3	190.3	61.3	1820	9.67	149.9
615127	(long dash... 'ditto'?)	WHI17001083	2	67.4	70	204	0.1	182.5	43	2059	11.17	781.9
615128	start of back bowl	WHI17001083	1.2	55.5	119.8	333	0.2	67.4	25.3	1213	5.64	52.6
615129	near drop off point	WHI17001083	1.1	62.4	78	211	0.1	73	24.9	1014	4.44	28
615130	small sample, rocky	WHI17001083	1.1	52.3	19.6	113	0.05	83.3	29.6	995	5.03	9.9
615131	bottom of gulch	WHI17001083	1.3	37.7	26.8	145	0.05	85.9	35.4	1249	6.8	10.1
615132	bottom of gulch	WHI17001083	1.1	59.4	24.2	108	0.1	78.7	27.2	1370	4.93	9.9

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
615133	creek	WHI17001083	0.7	57.7	16.5	130	0.05	100.7	35.5	1077	6.4	6.3
615134	gulch bottom	WHI17001083	1	38	27.3	143	0.05	55.1	21	768	4.35	15.8
615135	creek	WHI17001083	0.8	60.1	21.6	141	0.05	89.8	31.9	959	5.87	10.5
615136	10 m from creek	WHI17001083	0.8	42.6	21	99	0.1	50.7	22.1	676	4.4	9.7
615137	no soil, all rock	WHI17001083	1.2	65.7	19.8	133	0.1	95.3	34.7	1277	6.34	104.7
615138	no soil, all rock	WHI17001083	0.5	14.4	6.8	39	0.05	17.1	6.1	318	0.96	5.8
615139	on bench	WHI17001083	3.8	125.2	50.7	158	0.2	162.3	55	1725	7.94	74.4
615140	on bench	WHI17001083	4.1	66.5	46.6	195	0.3	97.3	25.3	751	5.13	30.9
615141	valley bottom	WHI17001083	0.7	43.4	12.8	106	0.05	99.4	37	1171	6.58	6.1
615142	on bench	WHI17001083	1.1	23.9	15.8	72	0.05	46.7	18.6	705	4.42	7.9
615143	on bench	WHI17001083	1.2	36.2	18.6	114	0.05	75	30.8	1083	5.7	8.6
615144	on bench	WHI17001083	1.2	37.2	18.7	88	0.2	57.9	16.9	710	3.95	13.1
615145	orange clay	WHI17001083	1	32.7	26.8	138	0.05	42.2	15.1	582	3.41	22.1
615146	wet clay	WHI17001083	0.7	33.8	14.8	86	0.1	35.1	13.7	554	2.86	12.5
615147	wet clay	WHI17001083	1	32	13.7	74	0.05	33.5	12.9	510	2.8	11.3
615148	wet clay	WHI17001083	0.9	39.6	16.9	89	0.1	47.2	21.7	782	3.93	8.1
615149	rocky dry ground	WHI17001083	1.6	65.2	18.1	98	0.05	184.5	56.1	2000	6.02	21
615150	hard ground	WHI17001083	1.5	66.9	60.1	239	0.1	122.3	31.5	1473	6.05	57.3
615151		WHI17001083	3	68.6	51.9	201	0.2	98.5	23.5	694	5.24	34.6
615152	dry creek bed	WHI17001083	0.9	46.8	23	123	0.1	48.2	16.4	667	3.07	13.8
615153	grass slope	WHI17001083	1.4	51.4	33.6	130	0.1	85.9	27	991	4.64	23.5
615155		WHI17001083	0.9	46.6	26.5	103	0.1	70.4	23.2	970	4.7	30.3
615173	rocky	WHI17001083	2.6	91.8	77.9	274	0.3	117.1	30.3	917	5.64	45.2
615174	rocky	WHI17001083	1	61.3	48.6	112	0.3	78	21.9	471	3.62	39.6
615175	not much soil	WHI17001083	0.4	30.1	42.1	173	0.05	57.8	16.7	829	2.41	38.2
615176	mostly organics, no good soil	WHI17001083	0.8	43.8	248.5	520	0.1	94.7	21.9	808	3.54	65.9
615177	mostly organics, no good soil	WHI17001083	0.6	29.3	181	430	0.05	45.6	10	490	1.65	41.5
615178	mostly organics, no good soil	WHI17001083	1	90.3	238.6	530	0.1	137.6	32.7	1556	5.3	114.4
615179	very rocky, no soils	WHI17001083	0.5	47.8	111.7	421	0.05	254	49.5	1958	6.78	218.3
615180	very rocky, no soils	WHI17001083	1.5	41.6	151.9	107	0.1	102.6	29.2	1254	3.81	36.4
615181	hard ground	WHI17001083	1.9	43.8	25.1	114	0.05	154.4	42.3	1586	6.79	21.2
615182	deep organic layer	WHI17001083	0.9	37.3	35.5	122	0.05	153.4	33.2	778	5.89	49
615183	moved off rockpile	WHI17001083	1	61	185	590	0.2	130.7	27.8	1276	5.43	130.5
615184	deep organics, small sample	WHI17001083	1.2	88	463.3	1249	0.3	205.2	36.3	1435	6.74	231.3
615185		WHI17001083	1.7	106.6	602.5	1863	0.3	306.5	48.9	1725	9.43	395.7
615186	(indecipherable text)... down gopher hole	WHI17001083	1.6	105.4	569.7	1580	0.3	257.3	41.1	1528	7.75	348.5
615187	little veg	WHI17001083	1.8	50.6	556.6	526	0.2	115.7	27.9	1183	5.94	167.8
615188	little soil mostly rock in (can’t read rest)	WHI17001083	3.1	87.4	2265.9	889	0.3	153	43.3	2539	9.23	308.3
615190	small sample	WHI17001083	1.4	51.3	61.6	118	0.05	39.1	23.2	1788	4.25	114.3
615191	rocky	WHI17001083	1.3	28.4	38.3	79	0.05	20.3	12.1	1085	3.3	31.8
615192	deep organics	WHI17001083	1.6	76.1	112.7	269	0.3	143	35.7	2112	6.74	82
615193		WHI17001083	1.1	48.8	44.4	139	0.1	106.3	26	1512	4.74	33.8
615194	deep organics	WHI17001083	1.5	87.7	206.3	327	0.2	137.6	35.6	1995	7.22	75.4
615195	good sample	WHI17001083	1.1	65.3	112.2	265	0.2	96.4	23.4	1082	5.15	56
615196	in ditch	WHI17001083	1.7	82.3	102.6	226	0.2	134.3	34	1249	6.59	75
615197	rocky	WHI17001083	0.6	24.9	9.2	41	0.1	49.2	15.5	547	2.9	12.6

SAMPLE	NOTES	certificate	Mo_PPM	Cu_PPM	Pb_PPM	Zn_PPM	Ag_PPM	Ni_PPM	Co_PPM	Mn_PPM	Fe_per	As_PPM
615198	rocky	WHI17001083	7.3	64.7	57.9	166	0.2	108.3	31.8	1319	5.88	36.2
615199	rocky	WHI17001083	1.4	56.2	51.1	95	0.1	102.1	32	1998	5.99	32.6
615200	rocky	WHI17001083	1.2	32.5	28.3	95	0.05	84.5	21.4	1574	4.51	22.7
615201	schist	WHI17001083	0.8	75.5	56.6	139	0.3	65.5	24.8	1542	4.09	25.3
615202	schist	WHI17001083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
615203	schist	WHI17001083	1.2	40.1	52.9	109	0.2	30	24.2	2515	4.43	14.3
615204	very rocky, no soils	WHI17001083	1.6	50	44	100	0.05	35.4	23.2	3141	4.04	20.8
615205	orange clay, good sample	WHI17001083	1.3	39	17.1	75	0.05	64.8	19	707	4.9	26.8
615206	rocky	WHI17001083	0.7	50.2	15.8	60	0.1	36.1	14.8	622	2.46	20.8
615207	rocky	WHI17001083	1.2	40.7	34.3	98	0.05	58.7	21.4	1393	3.82	21.1
615208	rocky	WHI17001083	1	33.4	34.9	75	0.05	69.6	18.8	1044	4.26	16.6
615209	rocky	WHI17001083	1.3	27.1	36.6	74	0.05	32.6	25.4	2129	4.05	13
615210	schisty, mostly frags	WHI17001083	0.7	43.7	510.4	105	0.05	250.1	42.2	1219	5.11	34.6
615211	schisty, mostly frags	WHI17001083	0.9	35.6	38.5	83	0.1	78.7	27.7	1726	4.09	20.5
615212	schisty, mostly frags	WHI17001083	0.8	36.7	29.5	75	0.05	83.8	23.7	1594	4.19	17.7
615213	wet ground, lots stones	WHI17001083	1.1	45.3	32.9	118	0.05	118.8	25.8	1024	4.32	37.5
615214	great sample	WHI17001083	1	49.6	41.1	106	0.1	91.4	20	739	4.41	52.5
615215	wet ground	WHI17001083	0.7	62.1	35.5	109	0.1	148.3	27	906	5.12	107.4
615216	old slide	WHI17001083	0.8	68.4	35.7	122	0.05	200.8	39.3	1175	5.71	134.1
615217	grassy slope	WHI17001083	0.9	45.1	18.3	89	0.05	179.4	35.2	1305	4.79	20.4
615218		WHI17001083	0.6	41.6	17.1	76	0.05	180.4	30.5	903	4.24	19.2
615219	not much to sample	WHI17001083	0.5	48.5	13	73	0.05	211.5	35.5	933	4.25	23.6
615220	small sample, not very good	WHI17001083	0.7	71.5	18.1	71	0.1	209.1	42.3	1211	4.79	52.6

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
1543819	1.2	4.8	77	3.1	12	0.2	76	0.99	0.285	30	73	1.02	236	0.021	2	1.41
1543820	1.6	11.8	98	0.7	5.3	0.5	97	1.03	0.309	66	177	2.84	147	0.058	3	3.32
1543821	30.8	3.6	77	0.4	13.5	0.4	66	0.78	0.203	33	62	0.77	137	0.016	2	1.47
1543823	1.3	2.6	11	0.1	2.4	0.6	37	0.13	0.112	15	30	0.44	92	0.029	2	1.84
1543824	4.3	1.2	9	0.2	2.8	0.3	46	0.07	0.06	15	27	0.37	97	0.033	1	1.45
1543825	1.6	3.1	9	0.2	1.6	0.4	54	0.07	0.061	16	34	0.35	85	0.037	2	1.85
1543826	1	0.6	10	0.2	3.6	0.5	43	0.08	0.125	15	32	0.35	84	0.021	3	1.57
1543827	2.5	2.8	19	0.2	4.3	0.6	35	0.25	0.087	23	35	0.64	97	0.015	0.5	2.1
1543828	3.4	5.1	65	2	9	0.2	61	0.98	0.307	30	42	0.73	194	0.014	4	1.29
1543829	4.3	10.7	28	0.4	4.6	0.7	44	0.32	0.097	29	46	0.84	115	0.024	2	1.78
1543830	6.6	4.2	107	2.4	47	0.3	50	0.75	0.206	34	50	0.33	173	0.017	0.5	0.75
1543831	4.6	3.3	89	2.3	20.5	0.2	61	0.93	0.211	31	49	0.41	129	0.013	0.5	0.97
1543832	2.8	0.8	11	0.2	1.1	0.4	56	0.11	0.065	14	32	0.44	119	0.037	2	2.23
1543833	1.4	2.7	8	0.1	1.6	0.6	43	0.07	0.072	10	27	0.31	70	0.033	0.5	1.65
1543834	1.9	1.3	8	0.2	2.7	0.5	40	0.06	0.053	12	23	0.28	76	0.028	0.5	1.39
1543835	2.2	3.1	8	0.2	2.5	0.7	44	0.08	0.079	15	33	0.38	55	0.035	0.5	1.73
1543836	0.9	1.1	16	0.2	4	0.4	31	0.24	0.062	13	27	0.43	88	0.019	0.5	1.22
1543837	2.1	2.1	46	0.7	5.1	0.4	52	0.64	0.092	16	37	0.63	160	0.019	3	1.35
1543838	1.3	3.1	56	2.1	8.6	0.3	77	0.78	0.106	20	58	0.75	140	0.016	2	1.5
1543839	4	8.7	37	0.6	3.7	0.4	53	0.48	0.123	42	44	0.76	131	0.021	0.5	1.42
1543840	18.6	8	99	37.8	4.7	0.5	66	0.74	0.216	41	68	0.38	208	0.019	1	0.88
1543841	7	2.6	67	1.2	20	0.2	43	0.53	0.157	42	24	0.25	176	0.01	0.5	0.95
1543842	2.1	2.4	8	0.3	3.2	0.4	38	0.07	0.073	14	27	0.3	66	0.026	0.5	1.66
1543843	2.2	5.9	12	0.1	8.5	0.5	8	0.04	0.027	16	7	0.1	45	0.004	0.5	0.31
1543844	2.8	0.4	14	0.2	4.4	0.4	45	0.17	0.099	10	31	0.31	122	0.016	0.5	1.46
1543845	5.3	3.4	20	0.3	42	0.4	36	0.22	0.079	19	30	0.32	92	0.032	0.5	1.05
1543848	8	4.3	12	0.1	1	0.3	55	0.11	0.036	17	29	0.41	110	0.05	0.5	1.59
1543849	1.7	1.3	7	0.5	1.8	0.5	30	0.08	0.125	18	26	0.35	82	0.008	2	1.86
1543850	0.25	5.5	24	0.4	1.2	0.3	25	0.17	0.055	29	16	0.15	121	0.002	2	0.55
1543851	6.2	5.9	55	0.7	4.4	0.3	105	0.74	0.186	29	21	0.66	170	0.012	0.5	1.22
1543852	7.7	2.9	60	0.5	8.6	0.3	59	0.93	0.115	17	46	0.49	109	0.014	3	0.85
1543853	3.9	3.6	60	0.7	9.1	0.3	77	0.75	0.131	19	45	0.46	136	0.006	1	1.13
1543854	2.6	4.7	68	7.3	12.3	0.5	79	0.75	0.146	26	88	0.72	177	0.009	2	1.08
1543855	1.2	1.6	10	0.3	2.5	0.5	22	0.09	0.096	15	22	0.35	84	0.005	2	1.73
1543856	1.7	1.8	9	0.2	1.6	0.5	33	0.08	0.047	19	21	0.33	80	0.019	0.5	1.24
1543857	8.7	6.2	13	0.7	12.9	0.6	45	0.09	0.1	29	28	0.36	137	0.035	2	1.26
1543858	2.4	3.1	14	0.2	1.9	0.3	35	0.14	0.054	22	23	0.39	104	0.032	1	1.16
1543859	2.5	2.6	9	4.6	1.1	0.3	48	0.08	0.03	18	19	0.2	95	0.028	0.5	1.14
1543860	3.4	3.3	64	1.2	7.7	0.6	38	0.73	0.094	18	32	0.45	201	0.01	2	1.03
1543861	13.5	2.9	47	0.3	4.3	0.7	47	0.46	0.117	26	43	0.67	171	0.016	2	1.79
1543862	3.9	2.9	53	0.8	7.9	0.2	109	0.83	0.148	29	128	1.05	181	0.011	2	1.64
1543863	7.4	3.9	56	1.4	6.5	0.3	125	0.84	0.171	28	79	1.18	197	0.014	1	1.52
1907615	1.2	2	10	0.1	1.2	0.5	33	0.04	0.046	13	18	0.2	49	0.01	0.5	0.92
1907617	1.1	2.6	12	0.1	2	0.5	48	0.07	0.052	18	23	0.32	84	0.021	0.5	1.15
1907618	7.1	2.2	18	0.5	5.5	0.3	48	0.23	0.087	22	34	0.46	176	0.02	2	1.42
1907619	5.1	1	23	1.4	12.5	0.2	58	0.31	0.088	16	34	0.48	142	0.017	2	1.48

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
1907620	16.1	2.3	39	9.8	39.7	0.2	61	0.53	0.132	24	42	0.45	132	0.016	3	1.2
1907621	27.3	2.2	62	12.5	27.9	0.2	84	0.79	0.183	60	103	0.71	182	0.011	2	1.8
1907622	14.1	2.8	56	29.4	142.7	0.3	76	0.85	0.189	24	130	0.6	120	0.009	2	1.25
1907623	5.2	1.8	60	1.9	21.2	0.1	130	0.88	0.152	28	205	1.7	288	0.033	2	1.89
1907626	8.6	1.3	94	2.5	15.3	0.05	123	1.82	0.212	34	101	0.74	148	0.006	3	1.23
1907627	0.25	2.1	11	0.2	0.8	0.3	47	0.12	0.074	25	41	0.68	78	0.015	1	1.77
1907628	0.7	6.8	8	0.05	1.1	0.4	23	0.13	0.063	21	34	0.71	52	0.005	1	2.08
1907629	0.8	2.1	8	0.05	1	0.4	42	0.05	0.046	8	26	0.3	60	0.016	0.5	1.47
1907630	2.2	5	14	0.05	1	0.6	28	0.05	0.044	12	16	0.18	63	0.003	2	0.8
1907631	1.5	4.3	11	0.2	0.9	0.3	57	0.09	0.039	15	32	0.46	141	0.038	2	1.91
1907632	2.7	1.8	12	0.1	1.6	0.4	38	0.13	0.061	12	27	0.44	95	0.011	1	1.59
1907633	28.8	3.3	38	5.9	24.3	0.2	74	0.53	0.15	30	43	0.56	159	0.018	2	1.37
1907634	6.5	1.5	42	5.2	22.2	0.2	66	0.55	0.13	22	46	0.61	182	0.014	1	1.44
1907635	17	4	42	10	44	0.2	58	0.47	0.15	26	36	0.41	105	0.019	2	0.88
1907636	2.5	1.2	25	0.6	4.3	0.3	55	0.28	0.088	22	47	0.46	136	0.018	1	1.5
1907637	13.3	2.3	69	21	114.3	0.1	87	1.04	0.207	27	141	0.6	119	0.011	4	1.15
1907638	2.2	2.6	81	1	11.2	0.2	93	1.21	0.177	27	150	0.73	141	0.008	3	1.29
1907639	5.8	3	93	1.1	12.8	0.1	111	1.02	0.24	47	131	0.86	154	0.011	2	1.41
1907640	8.9	4.3	124	14.7	52.6	0.1	92	0.95	0.299	40	63	0.48	128	0.014	3	0.89
1907641	13.8	2.4	17	0.05	0.8	0.3	60	0.25	0.118	38	56	0.85	99	0.035	2	2.03
1907642	1	5.2	19	0.2	1.1	0.3	49	0.27	0.073	39	53	0.86	89	0.019	0.5	1.83
1907643	0.6	3.9	10	0.05	0.8	0.3	58	0.08	0.038	12	32	0.38	93	0.04	0.5	2
1907644	1.8	7.8	13	0.05	1	0.5	24	0.03	0.041	19	12	0.14	48	0.005	1	0.59
1907645	2.2	1.5	10	0.3	1.5	0.5	47	0.12	0.098	16	25	0.39	55	0.021	2	1.58
1907646	1.5	3.7	7	0.05	1.9	0.5	26	0.03	0.043	25	13	0.15	37	0.008	1	0.76
1907647	9.7	2.4	31	1.9	18.8	0.3	47	0.39	0.132	18	29	0.39	114	0.012	0.5	1.05
1907648	21.5	2.8	40	11.4	22.4	0.3	65	0.52	0.158	26	43	0.52	146	0.016	1	1.41
1907649	3.1	1.8	49	1.5	11.2	0.2	63	0.59	0.14	25	52	0.72	180	0.016	0.5	1.66
1907650	3.7	0.5	20	4	49	0.3	49	0.18	0.101	14	29	0.32	119	0.01	2	1.31
1907651	1.6	2.5	25	1.2	5.6	0.3	43	0.29	0.089	18	39	0.43	121	0.017	1	1.48
1907652	4.8	1.8	78	4.2	36	0.1	104	1.26	0.246	27	177	0.78	119	0.007	2	1.31
1907653	1.9	2.5	193	0.6	4.8	0.05	114	2.73	0.377	56	261	1.21	149	0.005	1	1.39
1907654	11	2.9	93	0.9	3.8	0.1	115	1	0.255	44	67	0.99	183	0.021	2	1.64
1907655	2.4	2.2	12	0.1	0.8	0.5	64	0.13	0.095	41	52	0.79	94	0.022	1	1.81
1907656	1.5	3.8	47	0.2	0.9	0.2	98	0.62	0.161	45	68	0.96	124	0.022	1	1.86
1907657	1.5	7.9	14	0.1	1.3	0.6	30	0.04	0.034	15	18	0.29	53	0.005	0.5	0.98
1907658	0.25	4.7	9	0.2	1	0.5	61	0.06	0.061	15	35	0.42	58	0.037	0.5	2.03
1907659	1.4	6.4	8	0.1	1.5	0.5	34	0.05	0.057	30	20	0.33	59	0.009	0.5	1.3
1907660	0.25	0.7	9	0.2	1	0.4	30	0.05	0.089	13	21	0.19	48	0.01	1	1.11
1907661	0.9	3.5	9	0.1	1.1	0.4	57	0.06	0.041	14	25	0.29	63	0.029	0.5	1.64
1907662	1.3	12.2	34	0.05	1.5	0.7	21	0.04	0.029	15	7	0.04	50	0.0005	0.5	0.2
1907663	1.2	2.5	8	0.1	1	0.3	43	0.08	0.047	17	23	0.4	55	0.033	1	1.61
1907664	1.6	4	8	0.1	1.2	0.3	46	0.06	0.038	14	27	0.37	68	0.035	0.5	1.71
1907667	1.4	4.6	9	0.2	1.2	0.4	55	0.07	0.043	17	29	0.38	64	0.04	0.5	1.73
1907668	1.5	6.3	14	0.05	1.5	0.4	35	0.12	0.065	20	30	0.49	121	0.011	0.5	1.68
1907697	4.7	4	118	0.4	3.3	0.1	218	1.15	0.275	63	275	2.47	183	0.079	0.5	2.96

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
1907698	12.1	1.5	127	1.9	17.7	0.1	110	1.77	0.25	37	117	1.01	128	0.013	2	1.48
1907699	29.2	4.4	131	18.9	49.8	0.2	189	1.34	0.374	77	171	1.69	194	0.024	0.5	2.24
1907700	2.9	4.4	138	0.8	4.9	0.1	189	1.63	0.326	70	222	1.86	233	0.099	2	2.35
1907701	29.9	3.5	111	32.7	70.7	0.3	146	1.09	0.347	51	167	1.09	147	0.017	0.5	1.52
1907704	4	3.2	113	0.5	1.8	0.1	182	1.59	0.265	34	351	2.75	243	0.194	2	2.9
1907705	1.3	3.8	130	0.2	1.5	0.05	140	1.46	0.208	38	164	2.85	260	0.212	0.5	2.93
1907706	1.5	3.7	83	0.3	1.4	0.2	95	1.92	0.188	26	89	2.08	229	0.158	1	2.05
1907707	5.1	2.5	70	0.6	2.6	0.2	82	1.23	0.155	25	71	1.3	255	0.116	1	2.02
1907708	3	3.6	64	0.2	1.4	0.2	102	0.97	0.151	27	105	1.62	289	0.186	1	2.35
1907709	9.1	2.2	101	2.4	16.7	0.1	166	1.15	0.272	72	169	1.32	141	0.027	2	1.99
1907710	56.3	1.8	83	96.1	175	0.2	70	1	0.315	25	69	0.23	158	0.011	0.5	0.56
1907711	12.9	4.8	135	2.1	10.4	0.05	192	1.43	0.383	79	214	1.9	161	0.06	0.5	2.12
1907712	2.7	6.7	185	5	11.6	0.2	177	1.59	0.439	90	174	1.88	252	0.101	0.5	2.01
1907713	3.9	4.3	116	21.7	26.6	0.4	121	1.03	0.3	53	100	1.31	169	0.02	1	2
1907714	5.2	1.8	95	1	3.9	0.2	141	1.24	0.204	55	155	1.75	187	0.045	2	2.46
1907715	1.1	1.4	71	0.3	0.6	0.05	177	1.61	0.149	31	396	2.72	225	0.216	0.5	3.16
1907716	3.1	1.8	103	0.7	1.4	0.05	187	1.9	0.162	33	400	2.89	293	0.231	3	2.97
1907717	0.9	3.1	139	0.2	1.2	0.05	169	1.59	0.202	35	171	3.74	289	0.211	1	3.75
1907718	5	3.1	126	1.2	1.7	0.05	121	1.41	0.21	38	112	2.2	280	0.165	0.5	2.55
1907719	1.7	0.8	118	0.9	2.2	0.05	111	2.37	0.144	20	151	2.1	596	0.096	2	2.21
1907720	2.5	1.4	99	0.6	1.9	0.05	143	2	0.182	24	263	3.99	751	0.194	1	3.28
1907721	29	3.7	110	14.5	72.8	0.2	188	1.08	0.367	51	158	1.32	211	0.042	0.5	1.6
1907723	13.3	3.8	135	30.7	46.8	0.2	136	1.08	0.314	60	115	1.95	147	0.099	2	2.13
1907724	17	3.6	112	13.8	33.8	0.1	203	1.41	0.341	60	143	1.18	253	0.028	2	1.58
1907725	9.4	2.8	103	3.1	5.9	0.2	142	1.09	0.241	43	159	2.22	262	0.095	2	2.71
1907726	6.5	2.8	73	1.1	5.1	0.2	123	0.8	0.169	34	115	1.61	220	0.064	1	2.21
1907727	0.25	2.8	134	0.5	1	0.1	143	1.03	0.195	37	108	2.08	240	0.124	1	2.54
1907728	4.3	3.5	132	0.4	0.9	0.1	143	1.16	0.218	41	111	2.23	280	0.152	0.5	2.51
1907729	1.6	2.3	98	1.6	2.5	0.05	133	1.79	0.195	27	155	2.32	480	0.187	2	2.31
1907730	16	1.5	78	2.9	5	0.05	180	1.52	0.175	19	306	4.17	751	0.159	1	3.15
1907731	5.2	1.7	102	13.2	4.8	0.1	86	1.27	0.177	35	65	1.02	217	0.053	0.5	1.8
1907732	2.1	2.6	88	0.5	2	0.2	92	1.11	0.147	37	88	1.34	479	0.088	2	2.14
1907733	22.4	3.4	98	8.7	56.3	0.05	219	1.9	0.362	39	212	1.1	169	0.022	0.5	1.29
1907734	7.1	4.2	101	1.9	10.8	0.2	133	0.94	0.252	67	102	1.1	181	0.048	1	1.6
1907735	2.8	3.9	144	4.6	8.3	0.1	140	1.01	0.279	59	122	2.48	232	0.154	1	2.83
1907736	61.3	3.1	90	13.2	38.9	0.05	217	1.48	0.315	52	182	1.56	397	0.041	0.5	1.79
1907737	2.1	2.4	51	0.8	3	0.2	107	0.84	0.151	29	145	1.54	183	0.037	1	2.37
1907738	19.4	3.2	61	13.3	59.5	0.3	108	1.04	0.215	39	149	1.06	140	0.015	1	1.89
1907739	3.6	1.5	47	1.4	2.4	0.2	99	0.82	0.116	23	92	1.21	189	0.031	0.5	2.33
1907740	1.9	1.4	60	1.1	1.1	0.2	118	1.07	0.115	24	81	1.21	303	0.1	0.5	2.25
1907741	3.7	1.9	58	4.6	2.6	0.1	111	1.04	0.114	24	150	1.92	303	0.116	0.5	2.18
1907742	2.7	2.9	63	0.5	1.5	0.2	83	0.67	0.124	27	80	1.08	260	0.075	1	1.85
1907743	4.3	2.3	31	0.5	1.3	0.2	84	0.43	0.083	20	62	1.07	217	0.101	0.5	1.99
1907744	4.6	2.2	41	0.2	1.8	0.1	77	0.5	0.112	19	55	0.92	176	0.069	0.5	1.66
1907745	2.3	1.7	23	0.6	2.3	0.2	85	0.23	0.105	19	95	0.89	147	0.027	0.5	2.05
1907746	0.8	0.6	82	1.8	6	0.1	89	1.74	0.15	16	132	1.51	261	0.036	2	1.76

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
1907747	0.25	0.7	63	2	1.1	0.2	84	1.21	0.137	21	89	1.03	286	0.036	0.5	1.9
1907748	0.25	1.2	17	0.7	1.3	0.3	92	0.26	0.084	14	78	0.8	203	0.143	0.5	1.83
1907749	1.2	3.1	33	0.5	1.3	0.2	93	0.51	0.109	25	90	1.3	262	0.143	0.5	2.11
1907750	0.25	1.5	23	0.5	0.7	0.2	83	0.4	0.074	18	69	0.9	277	0.123	0.5	1.83
1907751	2.8	3.8	74	0.3	4.2	0.2	117	0.82	0.165	27	81	1.64	402	0.124	0.5	2
1907752	2.8	1	30	0.6	3.4	0.2	61	0.51	0.122	20	56	0.55	207	0.02	0.5	1.84
1907753	0.8	1.3	35	0.6	1.5	0.2	83	0.66	0.126	22	124	1.24	205	0.039	0.5	2.02
1907754	2.9	1.7	32	29.9	112.4	0.2	77	0.56	0.101	16	70	0.98	222	0.095	0.5	1.68
1907755	0.6	0.9	23	1	0.9	0.2	81	0.42	0.079	13	69	0.85	239	0.094	0.5	1.77
1907756	0.25	3	36	0.3	1.3	0.2	118	0.5	0.164	16	101	1.5	183	0.238	0.5	2.27
1907757	4.1	0.6	50	11.7	15	0.2	72	1.38	0.183	19	57	0.39	195	0.023	0.5	1.25
1907758	13	2.1	45	2.2	19.5	0.2	72	0.81	0.198	28	113	0.75	155	0.016	4	1.95
1907759	6.9	1.2	40	9.1	7.2	0.3	59	0.8	0.119	16	40	0.54	110	0.034	2	1.26
1907760	0.8	3	16	0.7	2.4	0.3	69	0.23	0.079	17	59	0.82	115	0.132	3	1.76
1907761	1.7	0.4	77	4.4	5.8	0.1	82	2.48	0.167	17	137	0.99	148	0.022	2	1.59
1907762	3.4	1	28	6.3	31.1	0.4	72	0.42	0.17	17	76	0.6	198	0.038	2	1.56
615101	5.7	3.9	65	0.7	9.2	0.3	55	0.52	0.159	26	71	0.8	209	0.017	2	1.25
615102	16.4	1.4	90	8.8	33.3	0.2	138	1.12	0.231	38	146	1.06	153	0.012	2	1.76
615103	14.1	3.9	129	13.7	56.6	0.1	183	1.09	0.403	89	161	1.32	222	0.016	1	2
615104	12	3.2	148	2.8	9.3	0.2	151	1.48	0.332	53	222	1.86	198	0.034	2	2.16
615106	3	4.1	127	1.5	6	0.2	164	1.01	0.401	59	249	1.84	163	0.029	5	2.18
615107	11.8	4.3	120	2.8	19	0.2	103	1.15	0.299	36	160	1.88	180	0.048	3	2.26
615109	0.9	2.4	132	0.2	0.9	0.05	131	1.65	0.217	31	123	2.57	270	0.17	4	2.59
615110	1.5	2.9	108	0.4	1.3	0.1	103	2.83	0.212	24	105	2.53	290	0.183	3	2.04
615111	1.2	2.4	82	0.3	1	0.1	94	2.19	0.201	22	92	2.1	340	0.177	2	1.92
615112	3.3	4.1	68	0.4	1.3	0.1	65	2.12	0.138	18	56	1.53	246	0.114	3	1.44
615113	6.5	1.9	113	2	21	0.2	69	0.95	0.388	50	57	0.75	204	0.012	2	1.51
615114	9.1	2.3	89	1.9	35	0.05	46	1.23	0.322	26	67	0.47	188	0.012	2	0.95
615115	22	2.3	86	7	40	0.1	154	1.03	0.269	45	162	1.25	149	0.013	3	1.78
615116	14.5	1.9	132	2.2	11.7	0.1	154	1.66	0.298	52	201	1.61	199	0.026	2	1.95
615117	643.1	2.6	117	2.5	14.3	0.2	130	1.27	0.237	38	185	1.58	213	0.03	2	2.06
615118	27.2	3.3	103	5	19.3	0.1	191	1.07	0.31	68	198	2.05	253	0.061	2	2.68
615119	4.2	4	77	0.5	1.6	0.1	100	0.86	0.185	25	147	2.3	160	0.121	2	2.29
615120	7	3.2	62	0.8	4.9	0.1	77	0.89	0.139	21	93	1.21	196	0.08	4	1.59
615121	2.7	3.4	74	0.5	6.9	0.05	99	1.9	0.188	25	116	2.18	229	0.15	3	1.93
615122	2	2.6	112	0.3	1.2	0.05	108	4.22	0.244	26	102	3.39	293	0.189	4	1.99
615123	4.1	3.9	55	0.2	1	0.1	54	1.47	0.119	17	42	1.07	217	0.1	2	1.21
615124	2.1	2.8	98	0.3	0.8	0.1	76	2.96	0.188	19	72	2.14	290	0.155	3	1.5
615125	3.1	3.1	68	1.6	11.3	0.4	66	0.64	0.186	30	95	1	194	0.026	4	1.78
615126	15.6	2	65	1.5	30.8	0.2	49	0.64	0.167	21	63	0.5	193	0.013	3	1.14
615127	4.5	2.1	50	0.9	12.7	0.1	65	0.74	0.192	26	76	0.41	283	0.008	4	1.5
615128	6.6	3.7	49	1.3	10.3	0.3	67	0.55	0.125	33	84	0.82	151	0.008	2	1.64
615129	3.1	5.5	69	1.3	5.2	0.2	69	0.74	0.163	30	91	1.22	224	0.093	3	1.55
615130	2.1	3.7	125	0.6	1	0.1	109	1.24	0.264	37	155	2.21	331	0.197	5	2.18
615131	0.25	3.3	96	0.6	1	0.1	165	0.99	0.223	32	210	2.62	278	0.354	3	2.77
615132	1.5	2.2	94	0.6	0.9	0.2	111	1.11	0.207	36	145	1.83	667	0.183	3	2.22

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
615133	1.1	3.6	168	0.3	0.5	0.05	143	1.52	0.344	40	214	3.16	473	0.206	4	2.9
615134	2.8	2.4	80	0.3	2.2	0.1	94	1.07	0.151	26	106	1.57	259	0.137	3	1.92
615135	6.2	3.7	158	0.5	1.1	0.05	128	1.48	0.289	37	184	2.73	455	0.22	4	2.56
615136	2.8	3.2	119	0.2	1.4	0.1	90	3.65	0.201	21	93	2.52	322	0.168	4	1.8
615137	2.8	0.5	129	0.7	14.9	0.2	34	1.92	0.151	9	38	0.63	120	0.01	4	0.57
615138	0.6	0.3	123	0.4	2	0.05	12	1.77	0.099	4	16	0.18	79	0.012	4	0.3
615139	6.5	1.5	104	0.8	14.8	0.5	50	1.2	0.138	21	70	0.62	194	0.016	3	1.13
615140	3.8	2.3	54	0.5	4.4	0.4	91	0.47	0.166	46	150	1.38	234	0.036	2	2.3
615141	0.25	4.3	160	0.2	0.7	0.1	152	1.36	0.348	51	233	3.19	457	0.253	3	2.87
615142	0.7	2.2	75	0.05	0.7	0.2	108	0.93	0.116	25	120	1.34	313	0.264	2	2.31
615143	0.25	3.4	104	0.1	0.7	0.2	141	1.07	0.232	40	191	2.25	303	0.304	3	2.8
615144	3	1.7	45	0.2	2.3	0.2	44	0.55	0.129	23	43	0.49	288	0.027	2	1.43
615145	5	2.8	29	0.5	3.1	0.2	43	0.3	0.087	23	38	0.51	166	0.043	2	1.22
615146	2.2	4.2	42	0.3	1.4	0.2	54	0.99	0.109	20	38	0.94	195	0.096	3	1.27
615147	2.3	3.9	50	0.3	1.3	0.2	53	0.55	0.112	22	40	0.69	151	0.1	2	1.27
615148	1.4	3.4	126	0.3	1.2	0.2	81	3.77	0.18	21	77	2.36	285	0.185	2	1.62
615149	1.5	1.2	37	0.4	2.2	0.3	82	0.28	0.099	18	168	2.13	158	0.025	2	2.75
615150	2.1	2.4	90	1	11.2	0.3	78	0.86	0.191	33	132	1.36	168	0.017	3	2.04
615151	4.4	2.7	54	0.5	5.1	0.3	77	0.52	0.154	49	132	1.32	185	0.036	2	2.1
615152	2.2	5.5	47	0.8	1.6	0.2	49	0.61	0.115	26	48	0.82	143	0.077	2	1.31
615153	1.4	3	71	0.5	3.4	0.2	79	0.76	0.183	38	130	1.58	173	0.14	3	1.91
615155	7.7	3.4	57	0.6	3.4	0.2	57	0.56	0.126	28	65	0.67	193	0.046	2	1.5
615173	7.9	2.4	50	0.7	6.6	0.5	78	0.55	0.156	56	144	1.49	155	0.033	3	2.32
615174	3.4	0.5	134	0.8	6.1	0.3	48	2.23	0.102	16	81	0.62	196	0.009	3	1.3
615175	0.6	0.2	191	1	6.5	0.2	23	3.42	0.14	9	37	0.56	112	0.011	5	0.62
615176	1	0.5	138	3.5	19.3	0.05	56	2.39	0.16	17	131	1.1	134	0.015	4	1.08
615177	0.25	0.1	143	5	14.6	0.05	25	2.75	0.119	8	53	0.47	91	0.006	3	0.52
615178	1.6	0.7	164	3	20.8	0.05	80	3.05	0.236	37	179	1.2	251	0.012	5	1.36
615179	1.9	0.3	113	2.2	18.6	0.05	57	2.68	0.154	15	130	0.73	236	0.004	4	1.17
615180	3.4	1.7	48	0.5	3.8	0.2	68	0.95	0.106	21	87	0.82	158	0.028	1	1.53
615181	0.25	1.5	67	0.4	2.2	0.2	101	0.52	0.157	27	229	1.84	209	0.026	3	2.77
615182	0.6	0.9	86	0.6	6.1	0.1	65	1.28	0.147	22	127	0.82	224	0.012	3	1.53
615183	1.8	0.8	106	3.3	21.9	0.1	66	1.81	0.148	23	118	0.77	211	0.01	3	1.35
615184	1.9	0.7	124	8.5	59.1	0.05	73	2.4	0.179	23	142	0.87	153	0.009	5	1.15
615185	4.9	1.4	66	12.8	66.3	0.1	104	1.39	0.181	25	204	0.6	135	0.004	3	1.11
615186	4.3	0.7	87	10.1	61.3	0.1	88	1.69	0.161	22	166	0.6	129	0.004	4	1.19
615187	3.5	1.6	59	2.9	15.7	0.2	64	1.17	0.169	24	85	0.52	130	0.012	3	1.23
615188	5.8	1.2	77	5.5	35	0.1	71	1.9	0.239	25	92	0.37	103	0.003	4	0.71
615190	1	2	49	0.3	5.1	0.3	57	0.59	0.104	12	30	0.43	146	0.003	1	1.56
615191	3.1	0.4	22	0.3	2.9	0.4	48	0.23	0.075	17	25	0.38	93	0.014	2	1.35
615192	4.5	2.2	69	1.3	23.3	0.3	69	1.06	0.165	30	97	0.74	141	0.011	3	1.71
615193	2	2.1	58	0.7	7.7	0.2	58	0.97	0.119	24	89	0.92	137	0.017	3	1.68
615194	3.1	2.3	141	2	27.8	0.4	118	1.38	0.381	51	216	1.9	245	0.024	3	2.27
615195	3.2	1.6	85	1.1	16.1	0.3	72	0.93	0.238	32	122	1.19	164	0.019	3	1.85
615196	4.6	3	93	1	22.9	0.3	65	0.85	0.175	27	130	1.16	137	0.015	3	1.83
615197	1.1	0.5	141	0.5	2.8	0.2	32	2.15	0.137	11	55	0.56	120	0.013	3	0.85

SAMPLE	Au_PPB	Th_PPM	Sr_PPM	Cd_PPM	Sb_PPM	Bi_PPM	V_PPM	Ca_per	P_per	La_PPM	Cr_PPM	Mg_per	Ba_PPM	Ti_per	B_PPM	Al_per
615198	4.1	1.8	111	0.8	9.9	0.2	73	1.27	0.155	29	146	1.54	143	0.018	2	1.76
615199	1.5	4.2	60	0.5	7.7	0.4	66	0.49	0.138	27	145	1.15	193	0.015	2	2.37
615200	0.9	1.1	55	0.4	3.4	0.3	54	0.55	0.139	17	130	1.12	136	0.017	1	1.89
615201	4.1	4.9	39	0.6	21.7	0.4	41	0.36	0.133	32	60	0.85	123	0.026	1	1.6
615202	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
615203	1.6	1	23	0.2	2.4	0.5	27	0.26	0.139	18	29	0.59	79	0.011	1	1.93
615204	3.8	2.2	35	0.2	2.9	0.5	32	0.39	0.122	20	32	0.52	80	0.01	2	1.65
615205	1.7	0.6	68	0.1	6.7	0.2	74	0.67	0.181	21	81	0.89	197	0.014	1	1.91
615206	1.1	0.4	174	0.3	5	0.1	33	2.52	0.154	13	48	0.64	121	0.012	3	0.88
615207	2	0.9	53	0.4	5.9	0.3	58	0.48	0.148	19	85	0.83	160	0.016	1	1.76
615208	1.2	1.1	24	0.2	3	0.4	42	0.2	0.092	16	91	0.8	111	0.012	2	1.73
615209	7.5	2.6	10	0.2	2.6	0.5	53	0.08	0.065	18	52	0.41	104	0.034	1	1.33
615210	0.25	2.8	43	0.4	6.8	0.2	60	0.5	0.059	12	268	2.4	96	0.02	1	2.2
615211	1.7	1.2	17	0.2	4.6	0.4	44	0.19	0.084	16	93	1.04	105	0.016	1	1.68
615212	0.6	1.3	26	0.2	5.1	0.4	48	0.3	0.122	15	101	1.17	97	0.016	1	1.96
615213	2.6	1.1	76	0.8	6.4	0.2	67	0.6	0.122	19	158	1.56	119	0.033	4	1.98
615214	1.3	1.5	80	0.2	8	0.3	51	0.73	0.122	15	95	0.94	133	0.013	2	1.66
615215	3.7	1.9	68	0.4	16.6	0.3	50	0.65	0.103	12	133	1.06	106	0.013	2	1.5
615216	8	3.5	38	0.3	21.5	0.3	55	0.33	0.069	16	165	1.36	93	0.012	0.5	1.71
615217	0.25	1.1	34	0.2	2.7	0.2	88	0.32	0.089	12	277	2.82	107	0.046	0.5	2.83
615218	1.7	2.1	30	0.1	3.4	0.2	67	0.32	0.073	12	275	2.64	70	0.046	0.5	2.29
615219	1.4	1.8	84	0.2	6.2	0.2	73	0.73	0.071	13	289	2.69	84	0.047	1	2.35
615220	1.3	2	86	0.2	13.1	0.2	71	0.69	0.079	13	253	2.54	89	0.024	2	2.42

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
1543819	0.006	0.06	0.1	0.17	17.2	0.2	0.025	5	1	0.1
1543820	0.006	0.04	0.1	0.09	11.8	0.1	0.025	10	0.6	0.1
1543821	0.008	0.05	0.1	0.15	12.9	0.05	0.08	5	1.3	0.1
1543823	0.004	0.05	0.1	0.05	2	0.05	0.07	6	0.25	0.1
1543824	0.005	0.05	0.1	0.06	2.8	0.1	0.07	5	0.25	0.1
1543825	0.006	0.06	0.2	0.06	2.9	0.1	0.025	6	0.25	0.1
1543826	0.005	0.06	0.05	0.08	1.5	0.05	0.12	6	0.25	0.1
1543827	0.005	0.07	0.05	0.06	3.5	0.05	0.025	5	0.25	0.1
1543828	0.007	0.07	0.1	0.13	10.6	0.3	0.07	4	0.25	0.1
1543829	0.007	0.06	0.1	0.09	7.2	0.2	0.07	5	0.25	0.1
1543830	0.007	0.05	0.1	0.39	16.2	0.1	0.025	2	0.6	0.1
1543831	0.008	0.04	0.1	0.29	17.2	0.05	0.025	3	1	0.1
1543832	0.006	0.06	0.2	0.04	2	0.2	0.05	6	0.25	0.1
1543833	0.004	0.06	0.05	0.08	2.1	0.1	0.06	6	0.7	0.1
1543834	0.005	0.05	0.1	0.05	2.1	0.05	0.025	4	0.25	0.1
1543835	0.004	0.05	0.1	0.09	2.5	0.05	0.05	7	0.7	0.1
1543836	0.006	0.05	0.05	0.04	1.8	0.05	0.06	4	0.25	0.1
1543837	0.007	0.06	0.2	0.11	7.6	0.1	0.11	4	0.8	0.1
1543838	0.007	0.05	0.1	0.09	20.9	0.1	0.08	4	0.6	0.1
1543839	0.008	0.08	0.2	0.08	6.7	0.1	0.025	4	0.6	0.1
1543840	0.005	0.08	0.1	0.94	10.1	0.2	0.025	3	0.6	0.1
1543841	0.008	0.04	0.05	0.28	5.3	0.1	0.025	3	0.25	0.1
1543842	0.006	0.05	0.05	0.09	2.4	0.05	0.1	5	0.25	0.1
1543843	0.003	0.05	0.05	0.09	2.7	0.05	0.025	0.5	0.25	0.1
1543844	0.007	0.06	0.05	0.06	1.4	0.05	0.12	6	0.7	0.1
1543845	0.006	0.05	0.1	0.13	5.1	0.05	0.025	4	0.6	0.1
1543848	0.006	0.06	0.2	0.04	3.2	0.1	0.025	5	0.25	0.1
1543849	0.007	0.13	0.05	0.07	1	0.1	0.1	5	0.25	0.1
1543850	0.005	0.16	0.05	0.09	2.9	0.05	0.025	1	0.25	0.1
1543851	0.006	0.07	0.1	0.57	15	0.1	0.025	4	0.25	0.1
1543852	0.009	0.07	0.2	0.2	15.1	0.1	0.025	3	1.1	0.1
1543853	0.007	0.07	0.05	0.31	19.7	0.1	0.025	3	0.25	0.1
1543854	0.006	0.06	0.05	0.76	11.7	0.1	0.025	4	0.6	0.1
1543855	0.004	0.1	0.05	0.07	1.7	0.1	0.025	3	0.25	0.1
1543856	0.005	0.06	0.1	0.04	1.6	0.05	0.05	3	0.25	0.1
1543857	0.005	0.07	0.2	0.06	6.9	0.2	0.025	3	0.25	0.1
1543858	0.006	0.06	0.2	0.05	2	0.1	0.025	3	0.25	0.1
1543859	0.005	0.06	0.2	0.03	1.9	0.1	0.025	5	0.25	0.1
1543860	0.007	0.11	0.1	0.15	6.1	0.2	0.12	3	0.5	0.1
1543861	0.008	0.11	0.1	0.1	4.9	0.2	0.1	5	0.9	0.1
1543862	0.008	0.04	0.05	1.07	23.7	0.2	0.07	6	0.25	0.1
1543863	0.009	0.06	0.05	0.65	19.1	0.2	0.025	6	0.25	0.1
1907615	0.005	0.05	0.05	0.07	2.1	0.05	0.025	3	0.25	0.1
1907617	0.005	0.05	0.1	0.06	3.1	0.05	0.025	4	0.25	0.1
1907618	0.005	0.04	0.1	0.12	4	0.05	0.025	4	0.25	0.1
1907619	0.005	0.03	0.2	0.33	2.8	0.1	0.025	5	0.25	0.1

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
1907620	0.006	0.05	0.2	1.25	9.6	0.05	0.025	4	1	0.1
1907621	0.007	0.05	0.1	2.87	8.9	0.2	0.06	6	1.2	0.1
1907622	0.006	0.05	0.05	2.51	17.7	0.1	0.025	4	1	0.1
1907623	0.006	0.04	0.05	0.29	18.1	0.1	0.025	7	0.25	0.1
1907626	0.007	0.04	0.05	0.88	11.6	0.2	0.09	5	1.1	0.1
1907627	0.006	0.05	0.1	0.06	2.8	0.05	0.025	6	0.25	0.1
1907628	0.005	0.05	0.05	0.04	2.3	0.05	0.025	6	0.25	0.1
1907629	0.004	0.04	0.1	0.04	2.2	0.05	0.025	5	0.25	0.1
1907630	0.004	0.05	0.05	0.11	2.4	0.05	0.025	3	0.25	0.1
1907631	0.007	0.06	0.2	0.05	3.4	0.1	0.025	5	0.25	0.1
1907632	0.005	0.04	0.05	0.06	2.1	0.05	0.025	5	0.25	0.1
1907633	0.007	0.06	0.1	1.29	10.1	0.05	0.025	4	0.25	0.1
1907634	0.006	0.05	0.1	0.91	5.9	0.1	0.025	5	0.8	0.1
1907635	0.006	0.04	0.1	1.2	8.6	0.05	0.025	3	0.25	0.1
1907636	0.005	0.06	0.1	0.11	3.1	0.1	0.025	5	0.25	0.1
1907637	0.008	0.05	0.05	1.8	16.4	0.1	0.025	4	1	0.1
1907638	0.006	0.05	0.05	0.43	13.6	0.1	0.06	4	0.8	0.1
1907639	0.007	0.04	0.1	0.43	12	0.2	0.025	6	0.6	0.1
1907640	0.007	0.04	0.2	3.13	10	0.2	0.06	4	0.25	0.1
1907641	0.008	0.05	0.2	0.06	4.3	0.05	0.025	7	0.25	0.1
1907642	0.007	0.04	0.1	0.05	4.6	0.05	0.025	6	0.25	0.1
1907643	0.006	0.06	0.2	0.05	2.9	0.2	0.025	6	0.25	0.1
1907644	0.003	0.04	0.05	0.08	2.4	0.05	0.025	2	0.25	0.1
1907645	0.005	0.04	0.2	0.07	1.6	0.05	0.025	5	0.7	0.1
1907646	0.003	0.04	0.05	0.05	1.8	0.05	0.025	2	0.25	0.1
1907647	0.005	0.05	0.1	0.72	6.6	0.05	0.025	3	0.25	0.1
1907648	0.008	0.06	0.1	1.85	11.1	0.1	0.025	4	0.25	0.1
1907649	0.006	0.05	0.1	0.24	5.8	0.1	0.06	5	0.7	0.1
1907650	0.007	0.06	0.1	0.54	2.2	0.2	0.06	5	0.25	0.1
1907651	0.006	0.06	0.1	0.19	4.4	0.05	0.025	4	0.6	0.1
1907652	0.008	0.04	0.05	1.33	16.6	0.2	0.07	5	0.9	0.1
1907653	0.007	0.04	0.05	0.47	13.4	0.3	0.1	5	1	0.1
1907654	0.008	0.04	0.1	0.32	9.9	0.1	0.025	7	0.6	0.1
1907655	0.007	0.04	0.1	0.04	3.4	0.05	0.025	6	0.25	0.1
1907656	0.009	0.03	0.05	0.08	11.3	0.05	0.025	6	1	0.1
1907657	0.004	0.04	0.05	0.07	3	0.05	0.025	3	0.25	0.1
1907658	0.005	0.05	0.1	0.05	2.7	0.1	0.025	7	0.25	0.1
1907659	0.005	0.05	0.05	0.06	3	0.05	0.025	4	0.25	0.1
1907660	0.008	0.04	0.05	0.07	1.6	0.05	0.1	3	0.5	0.1
1907661	0.004	0.04	0.1	0.04	2.8	0.1	0.025	5	0.7	0.1
1907662	0.003	0.04	0.05	0.18	3.7	0.05	0.025	1	0.25	0.1
1907663	0.005	0.04	0.1	0.06	2.1	0.05	0.06	4	0.25	0.1
1907664	0.004	0.04	0.1	0.05	2.5	0.1	0.025	5	0.25	0.1
1907667	0.005	0.04	0.2	0.02	2.5	0.1	0.025	5	0.6	0.1
1907668	0.004	0.04	0.05	0.07	3.8	0.05	0.025	5	0.25	0.1
1907697	0.007	0.05	0.05	0.29	18.6	0.1	0.025	12	0.25	0.1

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
1907698	0.008	0.04	0.05	0.49	14.7	0.1	0.12	6	1.4	0.1
1907699	0.006	0.05	0.05	2.71	18.9	0.1	0.025	10	1.2	0.1
1907700	0.008	0.17	0.05	0.4	15.3	0.2	0.07	12	0.25	0.1
1907701	0.006	0.04	0.05	2.1	19.7	0.2	0.025	7	0.5	0.1
1907704	0.009	0.21	0.1	0.12	14.3	0.2	0.09	12	1	0.1
1907705	0.009	0.2	0.2	0.05	7.2	0.3	0.025	13	0.25	0.1
1907706	0.01	0.14	0.2	0.05	5.7	0.1	0.05	8	0.25	0.1
1907707	0.01	0.08	0.1	0.08	6.6	0.1	0.1	7	0.25	0.1
1907708	0.009	0.08	0.1	0.04	7.7	0.1	0.025	8	0.25	0.1
1907709	0.006	0.05	0.05	0.64	18.5	0.2	0.09	8	1.1	0.1
1907710	0.006	0.04	0.1	3.25	17.8	0.2	0.07	3	0.9	0.1
1907711	0.006	0.09	0.05	0.6	19.4	0.2	0.09	11	0.25	0.1
1907712	0.006	0.07	0.1	0.68	10.6	0.2	0.025	11	0.25	0.1
1907713	0.011	0.07	0.05	1.16	12.7	0.4	0.11	7	1.2	0.1
1907714	0.009	0.05	0.1	0.18	10.7	0.05	0.09	10	1.1	0.1
1907715	0.007	0.16	0.05	0.06	13.4	0.2	0.1	12	0.7	0.1
1907716	0.008	0.25	0.1	0.08	12.4	0.2	0.11	12	1	0.1
1907717	0.008	0.2	0.1	0.05	7.1	0.3	0.07	17	0.7	0.1
1907718	0.01	0.07	0.2	0.09	5.7	0.1	0.025	12	0.7	0.1
1907719	0.012	0.05	0.05	0.11	8.1	0.2	0.2	8	0.8	0.1
1907720	0.011	0.08	0.05	0.08	11.8	0.2	0.1	10	0.7	0.1
1907721	0.005	0.03	0.05	1.53	24.5	0.2	0.025	7	0.25	0.1
1907723	0.009	0.07	0.2	4.64	11.2	0.3	0.025	10	1.1	0.1
1907724	0.008	0.03	0.05	1.87	21.1	0.3	0.025	6	0.7	0.1
1907725	0.011	0.05	0.1	0.15	10.1	0.2	0.025	11	0.7	0.1
1907726	0.009	0.03	0.2	0.12	8.2	0.05	0.025	9	0.5	0.1
1907727	0.011	0.05	0.2	0.07	7.1	0.2	0.025	12	0.25	0.1
1907728	0.012	0.09	0.2	0.05	6.2	0.2	0.025	13	0.25	0.1
1907729	0.01	0.11	0.2	0.05	8.4	0.2	0.025	10	0.5	0.1
1907730	0.008	0.16	0.1	0.17	16.8	0.1	0.025	12	0.5	0.1
1907731	0.011	0.05	0.2	0.88	10.3	0.05	0.025	6	0.6	0.1
1907732	0.012	0.05	0.2	0.07	9.3	0.1	0.025	7	0.25	0.1
1907733	0.007	0.03	0.05	1.34	26.4	0.2	0.025	6	0.25	0.1
1907734	0.011	0.06	0.2	0.48	11.7	0.1	0.025	7	0.7	0.1
1907735	0.012	0.07	0.2	0.35	7.3	0.2	0.025	13	0.25	0.1
1907736	0.01	0.04	0.05	1.35	22.6	0.2	0.025	8	0.7	0.1
1907737	0.011	0.04	0.2	0.12	10.2	0.05	0.025	8	0.5	0.1
1907738	0.009	0.07	0.1	1.46	15.6	0.1	0.025	6	1.3	0.1
1907739	0.01	0.03	0.2	0.07	6.7	0.1	0.025	7	0.6	0.1
1907740	0.01	0.05	0.2	0.06	7.7	0.05	0.025	8	0.25	0.1
1907741	0.008	0.06	0.1	0.54	11.2	0.05	0.025	8	0.25	0.1
1907742	0.012	0.05	0.2	0.08	6.2	0.05	0.025	6	0.25	0.1
1907743	0.008	0.07	0.2	0.03	5.1	0.05	0.025	7	0.25	0.1
1907744	0.009	0.05	0.2	0.05	4.2	0.1	0.025	6	0.25	0.1
1907745	0.008	0.06	0.2	0.04	3.6	0.1	0.025	8	0.6	0.1
1907746	0.01	0.04	0.1	0.07	5.5	0.05	0.09	6	0.25	0.1

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
1907747	0.009	0.05	0.1	0.05	5.4	0.1	0.05	6	0.6	0.1
1907748	0.008	0.06	0.05	0.04	4.1	0.05	0.025	7	0.25	0.1
1907749	0.009	0.07	0.1	0.04	7	0.1	0.025	8	0.25	0.1
1907750	0.01	0.09	0.1	0.04	4.6	0.05	0.025	7	0.25	0.1
1907751	0.011	0.09	0.1	0.07	9.1	0.1	0.025	7	0.25	0.1
1907752	0.009	0.07	0.2	0.08	3.6	0.1	0.025	5	0.6	0.1
1907753	0.009	0.06	0.2	0.05	6.8	0.05	0.025	7	0.6	0.1
1907754	0.008	0.07	0.1	2.36	4.9	0.05	0.025	6	0.25	0.1
1907755	0.01	0.06	0.1	0.04	3.3	0.05	0.025	7	0.25	0.1
1907756	0.008	0.08	0.2	0.02	5.4	0.05	0.025	9	0.25	0.1
1907757	0.01	0.05	0.1	0.14	6.8	0.1	0.1	5	0.7	0.1
1907758	0.007	0.05	0.1	0.23	12.8	0.05	0.025	6	1.3	0.1
1907759	0.009	0.07	0.1	0.36	5.8	0.05	0.12	5	1	0.1
1907760	0.005	0.06	0.1	0.04	3.7	0.05	0.025	6	0.25	0.1
1907761	0.009	0.03	0.05	0.19	6.2	0.05	0.2	6	0.6	0.1
1907762	0.007	0.08	0.1	0.73	5.8	0.1	0.06	6	0.25	0.1
615101	0.006	0.06	0.1	0.17	10	0.05	0.025	4	0.8	0.1
615102	0.006	0.03	0.05	1	13.1	0.1	0.08	7	1.5	0.1
615103	0.004	0.04	0.05	2.42	18.5	0.2	0.025	9	1	0.1
615104	0.007	0.09	0.05	0.57	16.8	0.2	0.025	9	1.3	0.1
615106	0.01	0.08	0.1	0.3	16.5	0.2	0.025	8	1.4	0.1
615107	0.009	0.07	0.2	0.15	11.2	0.1	0.025	7	1	0.1
615109	0.008	0.12	0.2	0.05	5.1	0.2	0.025	12	0.25	0.1
615110	0.008	0.15	0.2	0.05	5.8	0.1	0.025	9	0.25	0.1
615111	0.007	0.12	0.1	0.05	5.7	0.05	0.025	8	0.8	0.1
615112	0.014	0.12	0.2	0.06	5	0.1	0.025	5	0.25	0.1
615113	0.005	0.05	0.1	0.16	11.2	0.1	0.025	4	0.9	0.1
615114	0.005	0.06	0.1	0.21	17	0.1	0.025	3	1.3	0.1
615115	0.003	0.04	0.05	1.16	19.1	0.1	0.025	7	0.7	0.1
615116	0.005	0.07	0.05	0.57	13.8	0.1	0.05	8	0.9	0.1
615117	0.005	0.09	0.05	0.5	17.7	0.2	0.025	9	1.4	0.1
615118	0.005	0.06	0.05	1.07	15.8	0.2	0.025	12	1	0.1
615119	0.011	0.07	0.1	0.09	8	0.1	0.025	7	0.25	0.1
615120	0.014	0.08	0.1	0.06	7.4	0.1	0.025	6	0.7	0.1
615121	0.011	0.17	0.2	0.05	6.6	0.1	0.025	8	0.25	0.1
615122	0.007	0.17	0.1	0.05	6.4	0.05	0.025	8	0.25	0.1
615123	0.015	0.07	0.2	0.03	4.3	0.1	0.025	5	0.25	0.1
615124	0.011	0.11	0.2	0.04	4.9	0.05	0.025	6	0.25	0.1
615125	0.022	0.06	0.3	0.11	13.1	0.1	0.025	5	0.25	0.1
615126	0.007	0.05	0.1	0.25	16.8	0.1	0.025	3	1.8	0.1
615127	0.004	0.06	0.2	0.11	20.7	0.2	0.025	4	0.7	0.1
615128	0.004	0.05	0.05	0.29	8.1	0.05	0.025	5	0.25	0.1
615129	0.009	0.07	0.1	0.15	6	0.05	0.025	6	0.25	0.1
615130	0.008	0.23	0.1	0.05	5.1	0.1	0.025	9	0.25	0.1
615131	0.007	0.14	0.2	0.02	5.5	0.05	0.025	12	0.25	0.1
615132	0.009	0.11	0.1	0.03	5.6	0.05	0.025	9	0.25	0.1

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
615133	0.008	0.24	0.1	0.03	5	0.05	0.025	12	0.25	0.1
615134	0.01	0.07	0.1	0.04	6.1	0.1	0.025	8	0.25	0.1
615135	0.009	0.22	0.2	0.06	5.5	0.1	0.025	10	0.25	0.1
615136	0.008	0.14	0.1	0.05	5.5	0.05	0.025	7	0.25	0.1
615137	0.006	0.05	0.05	0.18	8.9	0.05	0.17	2	0.9	0.1
615138	0.005	0.05	0.05	0.14	1.8	0.05	0.21	1	0.25	0.1
615139	0.006	0.06	0.1	0.17	10.7	0.1	0.07	3	1.2	0.1
615140	0.006	0.08	0.05	0.09	6.7	0.2	0.025	7	1.1	0.1
615141	0.01	0.2	0.2	0.02	5.1	0.05	0.025	12	0.25	0.1
615142	0.008	0.05	0.2	0.03	5.1	0.1	0.025	9	0.25	0.1
615143	0.009	0.06	0.2	0.03	6.5	0.1	0.025	11	0.25	0.1
615144	0.008	0.05	0.2	0.08	6.1	0.1	0.025	4	0.25	0.1
615145	0.009	0.05	0.2	0.05	4	0.05	0.025	4	0.25	0.1
615146	0.017	0.09	0.2	0.04	4.3	0.05	0.025	4	0.25	0.1
615147	0.014	0.07	0.2	0.04	4.1	0.05	0.025	4	0.25	0.1
615148	0.013	0.12	0.2	0.03	4.8	0.05	0.025	6	0.25	0.1
615149	0.006	0.06	0.1	0.06	7.5	0.2	0.025	8	0.5	0.1
615150	0.007	0.06	0.1	0.24	11	0.1	0.025	6	0.25	0.1
615151	0.006	0.08	0.1	0.1	7.3	0.1	0.025	6	0.9	0.1
615152	0.018	0.08	0.1	0.06	4.4	0.05	0.025	4	0.25	0.1
615153	0.01	0.12	0.1	0.04	6.3	0.05	0.025	6	0.25	0.1
615155	0.011	0.06	0.2	0.07	8.5	0.1	0.025	4	0.25	0.1
615173	0.007	0.08	0.05	0.14	8.5	0.2	0.025	7	1	0.1
615174	0.009	0.05	0.05	0.17	6.2	0.2	0.07	4	0.8	0.1
615175	0.006	0.05	0.05	0.12	3.1	0.05	0.1	2	0.25	0.1
615176	0.006	0.04	0.05	0.25	5.6	0.1	0.11	3	0.25	0.1
615177	0.004	0.03	0.05	0.27	2	0.05	0.15	2	0.25	0.1
615178	0.006	0.04	0.05	0.38	8.9	0.2	0.07	4	0.9	0.1
615179	0.005	0.04	0.05	0.18	7.2	0.1	0.09	3	0.25	0.1
615180	0.01	0.04	0.2	0.09	6.2	0.1	0.025	5	0.25	0.1
615181	0.007	0.09	0.1	0.05	8.4	0.1	0.025	9	0.6	0.1
615182	0.005	0.08	0.1	0.08	9.3	0.1	0.025	5	0.25	0.1
615183	0.007	0.04	0.05	0.22	7.5	0.1	0.025	4	0.25	0.1
615184	0.008	0.06	0.05	0.82	9.3	0.1	0.025	4	0.8	0.1
615185	0.005	0.05	0.05	1.46	15.3	0.2	0.025	4	0.25	0.1
615186	0.006	0.04	0.05	1.47	9.7	0.2	0.025	4	0.7	0.1
615187	0.008	0.06	0.1	0.37	10	0.2	0.025	4	0.25	0.1
615188	0.007	0.05	0.05	0.55	13.3	0.2	0.025	2	0.6	0.1
615190	0.007	0.06	0.05	0.08	5.3	0.4	0.025	4	0.25	0.1
615191	0.005	0.06	0.05	0.07	1.1	0.2	0.025	5	0.25	0.1
615192	0.009	0.06	0.05	0.4	11.5	0.1	0.025	4	0.25	0.1
615193	0.008	0.06	0.1	0.12	7.6	0.05	0.025	5	0.25	0.1
615194	0.007	0.06	0.05	0.27	12.9	0.2	0.025	6	0.25	0.1
615195	0.007	0.05	0.1	0.18	8.2	0.1	0.025	5	0.25	0.1
615196	0.007	0.06	0.1	0.22	13.4	0.05	0.025	5	0.25	0.1
615197	0.005	0.04	0.05	0.1	4	0.05	0.1	3	0.25	0.1

SAMPLE	Na_per	K_per	W_PPM	Hg_PPM	Sc_PPM	Tl_PPM	S_per	Ga_PPM	Se_PPM	Te_PPM
615198	0.007	0.05	0.1	0.15	11	0.05	0.025	5	0.25	0.1
615199	0.006	0.06	0.05	0.09	11.2	0.1	0.025	6	0.25	0.1
615200	0.006	0.07	0.05	0.08	4.7	0.05	0.025	6	0.25	0.1
615201	0.007	0.05	0.1	0.17	5.5	0.05	0.025	4	0.25	0.1
615202	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
615203	0.005	0.08	0.05	0.08	0.9	0.05	0.025	5	0.6	0.1
615204	0.005	0.06	0.05	0.09	3.2	0.05	0.025	5	0.25	0.1
615205	0.007	0.05	0.1	0.03	6.2	0.1	0.025	6	0.25	0.1
615206	0.006	0.05	0.05	0.15	5.5	0.05	0.06	2	0.5	0.1
615207	0.006	0.06	0.1	0.04	4.6	0.05	0.025	5	0.25	0.1
615208	0.005	0.06	0.05	0.05	2.4	0.05	0.025	5	0.25	0.1
615209	0.005	0.07	0.2	0.06	2.3	0.1	0.025	6	0.25	0.1
615210	0.006	0.04	0.05	0.08	10.8	0.1	0.025	5	0.25	0.1
615211	0.005	0.06	0.05	0.05	2.8	0.05	0.025	5	0.25	0.1
615212	0.005	0.06	0.05	0.06	3.8	0.05	0.025	6	0.25	0.1
615213	0.009	0.08	0.1	0.05	5.7	0.1	0.025	6	0.25	0.1
615214	0.008	0.07	0.05	0.11	6.9	0.1	0.025	5	0.25	0.1
615215	0.008	0.05	0.05	0.08	10.8	0.05	0.025	4	0.25	0.1
615216	0.007	0.05	0.05	0.1	11.2	0.05	0.025	5	0.25	0.1
615217	0.006	0.05	0.05	0.02	7	0.05	0.025	7	0.25	0.1
615218	0.006	0.04	0.05	0.02	6.2	0.05	0.025	6	0.25	0.1
615219	0.008	0.05	0.05	0.04	8.5	0.05	0.025	6	0.25	0.1
615220	0.007	0.04	0.05	0.09	12.2	0.05	0.025	6	0.25	0.1