Assessment Report

on the

Keno-Lightning Property

Aho 1 to 20 (YC57784-YC57803)
Aho 21 to 42 (YD11271-YD11300)
Aho 43 to 54 (YD22789-YD 22800)
Aho 55 to 56 (YD11281-YD111282)
Blanche, Blanche Fr (YC00365, YC69939)
HS 1 to 5 (YD34912-YD34916)
Homestake 1 to 5 (YC38987-YC38988)
Louis 1 to 21 (YF46473-YF46493)
Louis 23 (YF46473)
Louis 25 (YF46497)
Louis 22 (YF46494)
Louis 24 (YF46496)
Louis 26 to 28 (YF46498-YF46500)
Murray 3 (YC39002)
Murray 11 (YC38969)
Ski 5 (YC39013)
Ski 30 (YC39038)
Ski 32 (YC39040)

NTS: 105M/14, 15
Latitude 63°54'N Longitude 135°11'W
Mayo Mining District

Work performed between
August 6 and September 15, 2016

Prepared for:
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1 - Executive Summary

Metallic Minerals Corporation employees and consultants completed assessment work on the Keno-Lightning property (NTS Map-sheet 105M/14) between August 6th, 2016 and September 15th, 2016. The exploration work conducted during that time consisted of three basic efforts:

- Prospecting and rock sampling work at the Murray 11 (historic Gold Hill claim) and Ski Claim on Beauvette Hill) on August 6th and 7th, 2016.
- Site Tour and rock sampling at the Caribou and Homestake showings between September 10th and 13th, 2016.
- 10 days of geologic compilation work by Metallic Minerals employees on the historic Keno-Lightning data between August 20th and August 30th, 2016.

The work was conducted to gain an understanding of the character of mineralization and to assess the mineral potential of several important prospects on the Keno-Lightning property and represents the first work completed at the Keno-Lightning project under the banner of Metallic Minerals Corp.

A total of 18 samples were collected and assayed from the various investigations. The surface grab samples showed significant results indicative of the high silver grades expected in the district. Highlights include:

<u>Caribou Vein</u>
Sample (1501201) – 6,284 g/t silver, 1.07 g/t gold, 57.49 % lead and 0.711% zinc
Sample (1501202) – 5,015 g/t silver, 0.53 g/t gold, 71.33% lead and 1.376 % zinc
Sample (1501209) – 8,807 g/t silver, 1.58 g/t gold, 58.51% lead and 0.038% zinc

<u>Homestake Vein</u>
Sample (1501201) - 6,562 g/t silver, 1.30 g/t gold, 3.3% lead and 17.834% zinc
Sample (1501201) – 370 g/t silver, 10.62 g/t gold, 12.13% lead and 0.062 % zinc

<u>Gold Hill #2 Vein</u>
Sample (1501201) – 1,921.5 g/t silver, 0.043 g/t gold, 18.14% lead and >1% zinc

These grades compare extremely favorably with the average historic production grades for the district between 1913 and 1990 of 1,373 g/t silver, 6.7% lead and 4.1% zinc. Based in-part on the results of the 2016 investigations, the team at Metallic is currently compiling additional information from the claims and focusing on a work program for 2017 to potentially include:

- Field mapping, prospecting, soil geochemical surveying and trenching to locate, identify and test known vein prospects and lineaments generated by the airborne geophysical program.

- Drill testing for down-dip and along-strike extensions of mineralization previously identified at either or both Caribou Hill and the Homestake Veins.

This effort will advance the understanding of the project geology and facilitate the eventual discovery of a new ore body.

Table of Contents

Table of Figures

2 - Introduction

The following document comprises a summary field report of the assessment work completed between August 6th, 2016 and September 15th, 2016 by representatives of Metallic Minerals Corp., on Metallic's Keno-Lightning Property covering NTS Map-sheet 105M/14. Work conducted for assessment during 2016, and covered in this report includes:

- Prospecting and rock sampling work at the Murray 11 (historic Gold Hill claim) and Ski Claim on Beauvette Hill) on August 6th and 7th, 2016.
- Site Tour and rock sampling at the Caribou and Homestake showings between September 10th and 13th, 2016.
- 10 days of geologic compilation work by Metallic Minerals employees on the historic Keno-Lightning data between August 20th and August 30th, 2016.

The work was conducted to gain an understanding of the character of mineralization and to assess the mineral potential of several important prospects on the Keno-Lightning property. The report catalogs the first work completed at the Keno-Lightning project under the banner of Metallic Minerals Corp.

The report was prepared to satisfy requirements for Assessment Report filing by the Yukon Mining Recorder, Ministry of Energy, Mines and Resources, Government of Yukon. The work was carried out and funded by Metallic Minerals Corp and its contractors.

This report is based on the writer's observations collected during a field program on the Keno-Lightning property, observations and information collected by other geologists and technicians during the program, and information from previous reports and publications listed under References.

In the preparation of this report, the author used Government of Yukon and Government of Canada geological maps, geological reports, and claim maps as well as the mineral assessment work reports from the Mayo Mining District area that have been filed with the Yukon Mining Recorder by various companies.

3 - Qualified Persons and Participating Personnel

The 2016 sampling program was conducted by Metallic Mining Contract Personnel under the supervision of Debbie James, P.Geo, A "Qualified Person" in the context of National Instrument 43-101. Debbie James, Scott Petsel (P.Geo.), Lauren Blackburn (MSc.), Greg Johnson, Bill Harris and Matthias Bindig participated in the sampling program as directed by Ms. James. Analytical services were provided by Bureau Veritas Commodities Ltd. at their Analytical Labs in Vancouver, British Columbia after initial sample preparation at their facilities in Whitehorse, Yukon. Compilation work was conducted by Debbie James.

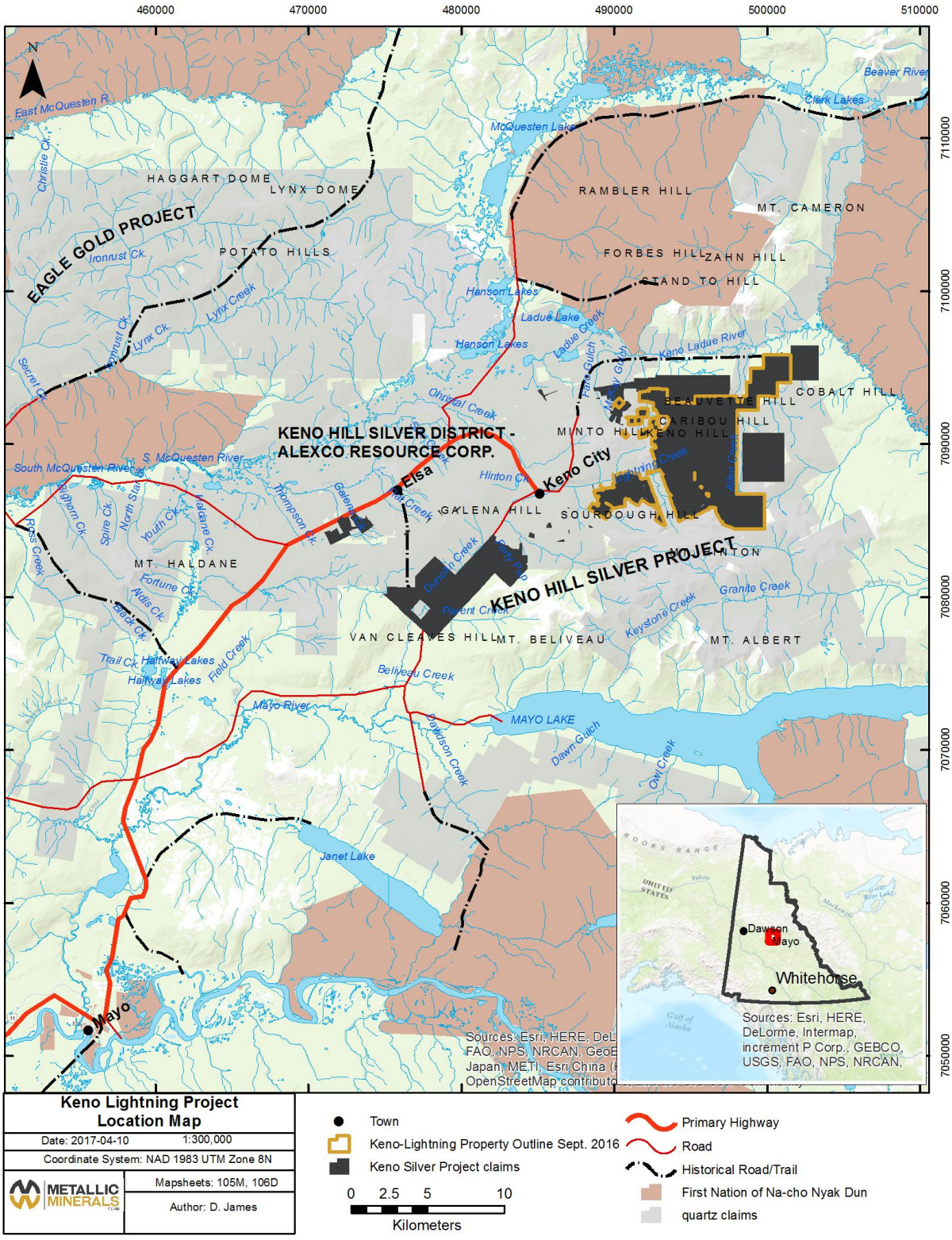
4 - Property Description and Location

4.1 Location Access and Local Resources

The Keno-Lightning project is located 465 km north of Whitehorse and 55 km north of Mayo in the Mayo Mining District, central Yukon (Figure 1). The property covers the eastern end of Keno Hill and the northern slope of Bunker Hill, 4 to 12 km east of Keno City. It is located within NTS map sheets 105M/14 and 15 and centred at 63° 54' N, 135° 11' W. Access from Whitehorse is via the paved Klondike Highway to Stewart Crossing and the unpaved Silver Trail Highway to Keno City, both of which are accessible year-round. Access to the property is via two-wheel drive gravel roads and four-wheel drive mining roads. Silver Basin is accessed from Signpost Road to the top of Keno Hill, then by a 4WD-accessible road to the old workings and 2010 drill site. Homestake is accessed by crossing Lightning Creek at Thunder Gulch, then heading east towards Bunker Hill.

Keno City has a population of approximately 25 with a snack bar, hotel, cabins for rent, a small mining oriented
labour force and some local heavy equipment availability. Mayo, 56 km by road southwest of Keno City, is the main service and supply center for the region. The town of Mayo has a population of approximately 400 and has a gravel airstrip suitable for medium sized aircraft (DC-3, etc.) and a helicopter base. Facilities include a police station, nursing station, grocery store, hotels, restaurant and fuel supply. Some heavy equipment is available for contract mining work.

Figure 1: Keno Silver Project Location Map



4.2 Land Tenure

The Keno-Lightning Property covers approximately 69.0 km^2 and comprises 377 un-surveyed, two-post, Yukon Quartz claims (See Fig. 2, Appendix 1) within the Mayo Mining District. Table 1 below summarizes the claims that work (documented in this report) was applied to.

The Keno-Lightning Property is part of the larger Keno Silver Project. Following the 2016 field program an additional 380 claims were staked according to the Yukon Quartz Mining Act on claim sheets 105M/14 and 105M/15. In addition to the staked claims, other claims were acquired through property transactions in the area to bring the total area of the Keno Silver Project to 112 sq km. Figure 1 shows the Keno-Lightning Property and the land holdings of the Keno Silver Project.

The Keno-Lightning property lies within the traditional territory of Nacho Nyak Dun First Nation. Land claims are settled with NND and Figure 1 shows the location of settlement lands closest to the Keno-Lightning property.

Monster Mining has a five year, Class 3 Mining Land Use Permit (MLU LQ0022b) from Mining Land Use, Government of Yukon for the Keno-Lightning claims which is valid until Sept 18, 2017. A section 49.1 amendment has been submitted, to extend the approval for another five years. The approval is in the process of having the name changed from Monster Mining to Metallic Minerals. Work was applied to claims held by Cheryl Klippert for allowing grouping privileges. The Louis claims held by Bill Harris are in the process of being transferred to Metallic Minerals. The Aho 1-20 claims held by Matthias Bindig will be transferred to Metallic Minerals once all terms of the option agreement between the two entities is met (expected August 2017).

Figure 2: Keno-Lightning Property Claims

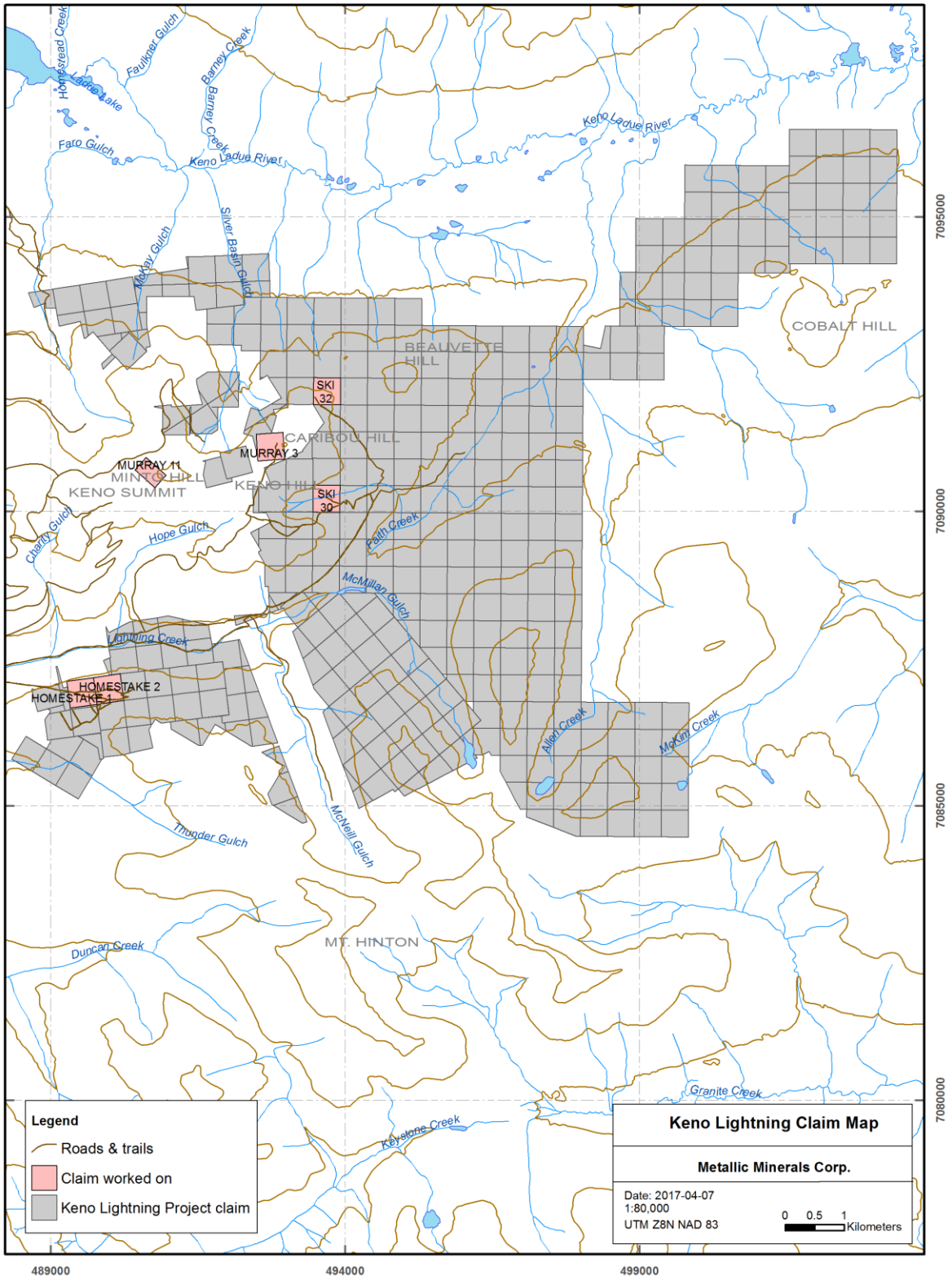


Table 1: List of Claims to Apply Assessment Work

Claim Name	Grant No	No. of claims	Current Expiry	Owner	New Expiry *
HS 001-005	YD34912-917	5	20-Aug-17	Metallic Minerals Corp.	1-Dec-20
Adam 1-18	YB65184-201	18	8-Sep-17	Cheryl Klippert	1-Dec-20
Aho 1-20	YC57784-803	20	1-Dec-17	Matthias Bindig	1-Dec-21
Louis 1-21	YF46473-493	21	14-Oct-19	Bill Harris	1-Dec-22
Louis 23	YF46495	1	14-Oct-19	Bill Harris	1-Dec-22
Louis 25	YF46497	1	14-Oct-19	Bill Harris	1-Dec-22
Aho 21-42	YD11271-300	22	13-Nov-19	Metallic Minerals Corp.	1-Dec-22
Aho 43-54	YD22789-800	12	13-Nov-19	Metallic Minerals Corp.	1-Dec-22
Aho 55-56	YD11281-282	2	13-Nov-19	Metallic Minerals Corp.	1-Dec-23
Blanche	YC00365	1	9-Jan-20	Metallic Minerals/Moriarity/Walden	1-Dec-23
Blanche Fr	YF46472	1	8-Oct-20	Metallic Minerals Corp.	1-Dec-23
Louis 22	YF46494	1	8-Oct-20	Metallic Minerals Corp.	1-Dec-23
Louis 24	YF46496	1	8-Oct-20	Metallic Minerals Corp.	1-Dec-23
Louis 26-28	YF46498-500	3	8-Oct-20	Metallic Minerals Corp.	1-Dec-23
Homestake 1, 2	YC38987-88	2	1-Dec-21	Metallic Minerals Corp.	1-Dec-22
Ski 5	YC39013	1	1-Dec-21	Metallic Minerals Corp.	1-Dec-22
Murray 11	YC39969	1	13-Oct-16	Metallic Minerals Corp.	13-Oct-21
		113			

*pending approval of report

5 - Physiography and Climate

5.1 Physiography and Climate

The following excerpt is taken directly from Pautler (2010).

> "The Keno-Lightning Project is located on Keno Hill and the north flank of Bunker Hill, on the western side of the Wernecke Mountains (which make up part of the western Rocky Mountains) in the northeastern part of the Yukon Plateau (Figure 1). The terrain is mountainous, commonly with precipitous north slopes. Southern slopes are less steep. Ridge tops can be sharp and narrow or broad and open. Elevations within the claim area range from 1080m ASL along Lightning Creek to over 1750m ASL at the summit of Caribou Hill. Total relief from the valley floors to the summits approaches 1000m. Tree line is located near 1300m ASL with upper slopes consisting of alpine tundra with poorly developed soil, talus, grasses and moss cover. Dwarf willows are common in sheltered areas. Dense stands of black spruce are widespread below tree line with poplar and alder common on south facing slopes and as second growth where the spruce has been burned or logged out.
>
> Outcrop is sparse, except on steeper slopes and knolls, but amounts to less than 1%. The exceptions are gulches and cirque headwalls, particularly on north slopes. In the remaining areas, the primary source of geological information is float rock that has been frost-heaved to surface through the overburden cover. Below tree line there is extensive glacial till cover which deepens downslope to depths more than 100m on the floors of the major valleys.
>
> Permafrost is extensive through the region reaching depths up to 150m on Keno Hill, which hampers prospecting in that the frozen ground masks soil geochemical responses from bedrock, transports soil and soil geochemical anomalies downslope by solifluction, and inhibits trenching by hand or machine. The area has a northern interior climate with warm summers, long cold winters and light precipitation (average 313 mm annually), one-third of which is snow. The exploration season lasts from late May until October. Drilling can be conducted in the winter. Summer daily temperatures average 23o Celsius, 9oC at night, and winter temperatures average -20 °C, -31 °C at night. Mayo has the greatest range of annual temperatures in North America, with temperatures reaching over 35 °C in summer and below -50 °C in winter."

6 - History

The Keno-Lightning project covers ten Minfile occurrences; Nabob (Minfile No. 105M 006), Silver Basin (Minfile No. 105M 005), Duncan (Minfile No. 105M 003), Caribou (Minfile No. 105M 062), Avenue (Minfile No. 105M 053), Faith (Minfile No. 105M 002), Bema (Minfile No. 105M 073), Homestake (Minfile No. 105M 011), Yono (Minfile No. 105M 055), Vanguard (Minfile 105M 010), and Cobalt (Minfile 105M 030). Except for the Bema occurrence, which was discovered in 1966, the showings were discovered and staked in the late 1910's and early 1920's, and worked by hand (trenching, underground

and open-cut mining) until about 1928. Four of the occurrences (Duncan, Caribou, Faith and Homestake) were hand mined in the 1920's, the most productive of which was the Caribou showing (78.9 tons of ore grading 6,103.9 g/t Ag and 70% Pb). Between the late 1940's and late 1980's most of the showings experienced some mechanized trenching, and soil geochemical surveying was conducted over the Faith, Avenue and Bema showings. For a comprehensive description of the property history see Pautler (2010).

In 2005, Mr. Matthias Bindig of Keno City staked 121 claims, which covered the original eight Minfile occurrences. Between 2005 and 2006 he completed minor prospecting and soil geochemical sampling programs, and undertook reclamation work on some of the old workings (Robertson, 2005; McFaull, 2007). In 2007, additional claims were added to the property and the project was optioned to Northex Ventures (which became Monster Mining Corp.) who undertook a trenching and geophysics program on the Homestake prospect (Pautler, 2008). In 2008, Monster Mining Corp. completed 1,765.7m of diamond drilling in 17 holes at Homestake and Caribou and 1510m of rotary air blast drilling in 53 holes at Homestake, and excavated additional trenches at Homestake, Caribou and Faith (McFaull, 2009). The Aho claims were added to the claim group in 2009, and a program of soil geochemical sampling was conducted on the Homestake, Faith and Mt McFaull grids (Blackburn, 2010). In 2010, Monster completed 2,251m of diamond drilling (Ettlinger, 2011) and added the HS 1-5 claims to the claim group. No work was conducted on the property between 2011 and 2016 due to the unfavorable metal market and a general lack of funding.

In August of 2016, with market trends improving, a new management team took over Monster Mining Corp. and changed the name to Metallic Minerals Corp. As part of a renewal of the project several acquisitions were made in the fall of 2016 and new claims were staked on the North and South side of the property. Aside from the staking the only on-site work conducted during the year was the site visit and assessment sampling programs between August and September.

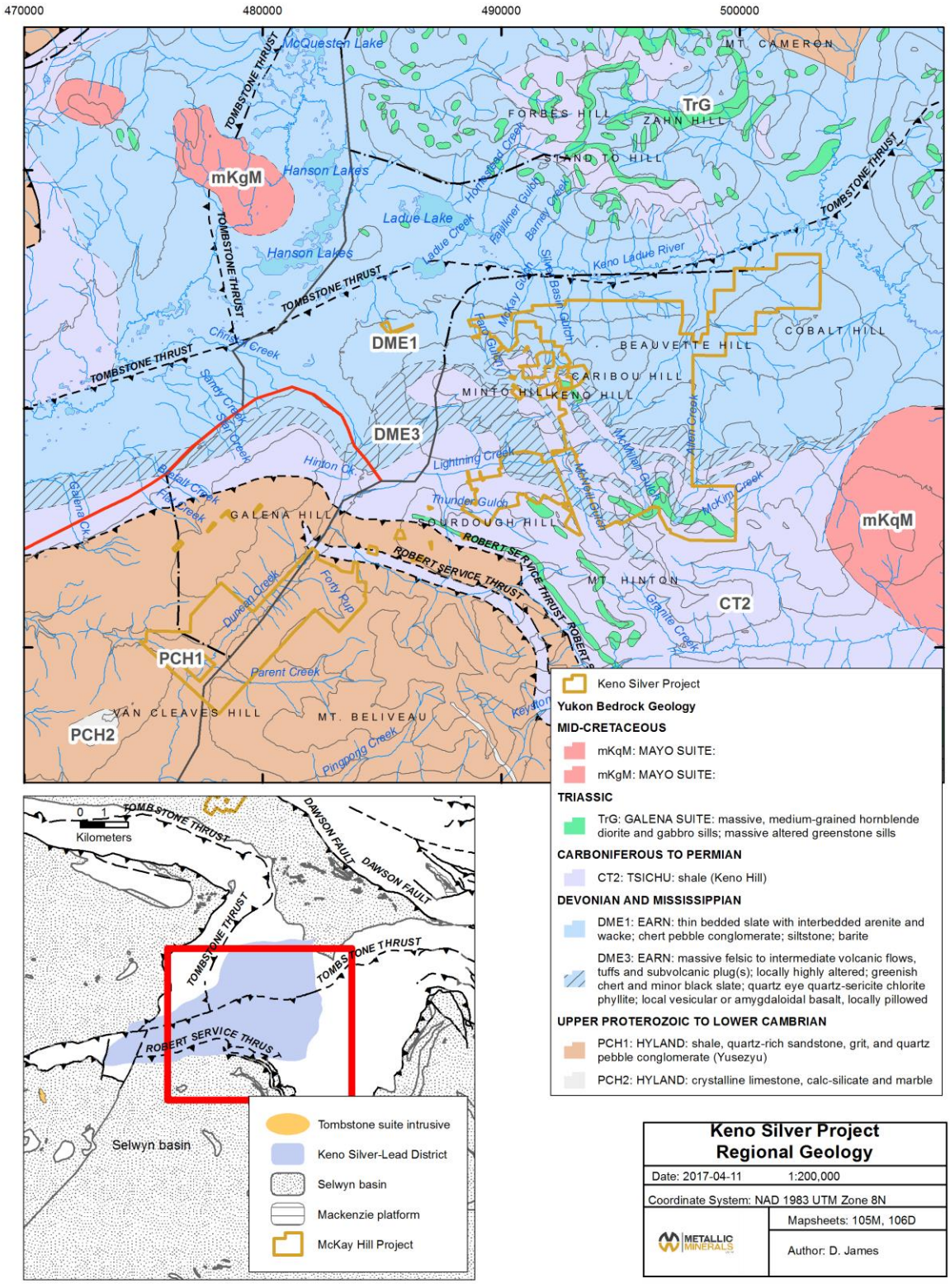
7 - Geology

7.1 Regional Geology

Keno-Lightning is located within Neoproterozoic to late Paleozoic slope-to-basin facies strata of the epicratonic Selwyn Basin. Selwyn Basin strata are characterized by off-shelf deep water clastic (shale, chert, basinal limestone) rocks, and are bound by the Mackenzie Platform, to the northeast and truncated by the Tintina fault to the southwest (Pigage, 2006) (Figure 3).

The basin was subject to northeast directed compression during the Jurassic and early Cretaceous, caused by plate convergence and accretion of pericratonic terranes onto ancient North America. This resulted in thrust faulting, the development of open to tight similar folds within relatively incompetent Selwyn Basin strata (compared to the bounding carbonate platforms), and greenschist facies metamorphism. Widespread granitic magmatism during the early to mid-Cretaceous led to the formation of at least five main intrusive suites between 112 and 90 Ma and a younger suite at 65 Ma. Strike-slip faulting along the Tintina Fault zone during the late Cretaceous and early Tertiary displaced the western margin of the Selwyn Basin at least 450 km into what is now Alaska.

Figure 3: Regional Geology Map



7.2 Local Geology

The Keno-Lightning project is underlain by highly deformed rocks of Mississippian Keno Hill Quartzite and phyllitic metasedimentary rocks of the Devono-Mississippian Earn Group, with lesser Mississippian felsic volcanic schist, all of which are intruded by Triassic dolerites and Cretaceous aplite dykes and sills. The project sits within the Dawson Thrust sheet, which is bound by the Dawson Thrust to the northeast and the Tombstone Thrust to the southwest. Deformation of the host rocks, which is characterized by intense foliation, appears to be related to displacement along the Tombstone thrust fault. North- to northeast- and northwest-trending faults are evident throughout the area. A district wide map is shown in Appendix 2.

Locally, stratigraphy within the Keno mining camp has been divided into three units; the Upper Schist, Central Quartzite and Lower Schist. The Upper Schist and Central Quartzite units correlate to the early Carboniferous Keno Hill Quartzite Formation and the Lower Schist correlates to the Middle to Late Devonian Earn Group phyllite and Felsic Volcanic Members, and includes some thick bedded quartzite of the Keno Hill Quartzite Formation. Metamorphosed diorite and gabbro sills and lenses are conformable with stratigraphy.

The Upper Schist comprises graphitic schist and phyllite, thin bedded quartzite, quartz-mica schist, calcareous schist and minor limestone, and quartz-sericite metavolcanic schist. The Central Quartzite contains thick and thin-bedded quartzite, massive quartzite, minor graphitic phyllite, schist and calcareous schist. This unit is up to 700m in thickness and hosts many of the principal silver deposits of the camp. It is most prevalent at Homestake, with narrower bands underlying the Silver Basin, Caribou, Faith and Duncan areas. The Lower Schist includes graphitic schist and phyllite, argillite, thin-bedded quartzite, calcareous schist, slate and sericite schist and two bands of thick and thin-bedded quartzite with lesser phyllite and graphitic schist. Stratigraphy principally strikes east-west and dips 20° to 30° south.

7.3 Deposit Style and Mineralization

7.3.1 Deposit Style

Mineralization in the Keno district is representative of a clastic metasediment hosted silver-lead-zinc enriched polymetallic vein deposit, examples of which include the Coeur d'Alene district of Idaho and the Freiberg district of Germany. Typically, mineralization occurs as quartz-carbonate (siderite±ankerite, calcite)-sulfide (sphalerite, galena, pyrite, tetrahedrite-tennantite, chalcopyrite, arsenopyrite, stibnite) veins, with silver minerals most commonly hosted as inclusions in galena. Wall-rock alteration, which generally, consists of sericitization, silicification and pyritization, is typically of limited extent (< 1 m). Regional faults, fault sets and fractures are an important ore control, although veins are typically associated with second order structures and postdate deformation and metamorphism. Significant deposits are restricted to competent lithologies.

7.3.2 Mineralization

The following section is taken directly from Pautler (2010).

> "Silver-lead-zinc lode deposits within the Keno mining camp are hosted by a series of vein faults which strike 035 to 080º (longitudinal veins) and 360 to 035º (transverse veins), both dipping 50 to 80º southeast (after Boyle, 1965). Longitudinal veins were the main productive veins of the camp, with significant strike extent and the transverse veins are dilational zones between en-echelon longitudinal faults, limited in strike but locally rich in grade. The vein faults range in width from 0.3m to over 30m and generally, show left lateral movement with offsets of up to 150m (Boyle, 1965). The mineralized vein faults are offset by two types of unmineralized faults, cross-faults trending 155º to 180º/40 to 60ºSW (which generally show right lateral movement and offset longitudinal veins by as much as 600m), and bedding plane thrust faults (Boyle, 1965; McFaull, personal communication). Mineralization can be locally caught up within the cross-faults (McFaull, personal communication).
>
> The Keno mining camp produced silver from 1914 until 1989. Production from 1921 to 1988 totaled 4,872,423 tonnes averaging 1,389 g/t Ag, 5.6% Pb and 3.1% Zn (Deklerk and Traynor, 2005). The above 15 grade and tonnage figures are not necessarily indicative of the mineralization on the Keno-Lightning project which is the subject of this report. Over 65 deposits and prospects have been recognized in the district (Watson, 1984). The main lode deposits occur within the Central Quartzite where fracturing of competent quartzite rock has produced open spaces for mineral deposition. Where vein faults pass into less competent schist rock units they become narrow and poorly mineralized. Ore zones also occur in other competent rock types in the Lower Schist such as greenstone horizons.
>
> The most favourable structural sites for ore shoots are at the junction of vein faults, the junction of a vein fault and cross-fault, where veins change direction, and at the upward transition from competent quartzite to less competent schist rock units often referred to as "schist caps" (Boyle, 1965; Aho, 2006; McFaull, personal communication). It should be noted that individual vein

systems have consistent overall silver-lead ratios but each ore shoot within it varies (Aho, 2006), which may be useful in predicting continuity of veins, possibly across faults and at depth.

Vein faults can occur as simple veins, breccia zones or sheeted zones. Simple veins consist of siderite gangue, with occasional quartz and discontinuous bands of silver bearing sulphides. Breccia zones consist of angular rock fragments (quartzite, phyllite, greenstone) in a matrix of siderite, commonly with some quartz. Sheeted zones have slabs of greenstone separated by narrow fractures filled with breccia or gouge. Breccia fragments and slabs are cemented by siderite, sulphides and some quartz. The principal gangue mineral is siderite. The main ore minerals are argentiferous galena, argentiferous tetrahedrite (freibergite) and pyrargerite (ruby silver). Polybasite, stephanite, argentite and native silver are silver bearing minerals that occur locally in minor amounts. Other ore minerals such as sphalerite, chalcopyrite and lead sulphosalts (jamesonite, boulangerite etc.) are present in varying amounts. Pyrite, arsenopyrite and barite occur in many veins.

Two stages of vein mineralization have been recognized in the district. The first stage deposited quartz, pyrite and some arsenopyrite with trace gold and some sulphosalts in the vein faults. A second stage deposited siderite, galena, sphalerite, pyrite, freibergite and pyrargyite, more typical in the central part of the Keno mining camp. Several writers have described district-wide metal and mineral zoning patterns (Franzen, 1986: Lynch, 1986; Tessari and Sinclair, 1980)."

8 - 2016 Assessment Work Program

Work reported for assessment during 2016 included:

- Prospecting and rock sampling work at the Murray 11 (historic Gold Hill claim) and Ski Claim on Beauvette Hill) on August 6th and 7th, 2016.
- Site Tour and rock sampling at the Caribou and Homestake showings between September 10th and 13th, 2016.
- 10 days of geologic compilation work by Metallic Minerals employees on the historic Keno-Lightning data between August 20th and August 30th, 2016.

The work was conducted to gain an understanding of the character of mineralization and to assess the mineral potential of several important prospects on the Keno-Lightning property. A total of 18 samples were collected and assayed from the various investigations. While summary results are provided in the description below a full samples description and table of results is provided in Appendix 3. A map of all sample location from the 2016 sampling is shown in Appendix 4.

8.1 Murray 11 and Ski Claims Assessment Prospecting and Sampling

Assessment work on August 6th was completed on the historic Gold Hill claim (currently the Murray 11 claim, YC39969, on Keno Hill) and on August 7th the Ski 31-34 claims (YC39039-YC39044, on Beauvette Hill) were examined. The Gold Hill (Murray 11) claim is described in

conjunction with neighbouring claims under MINFILE occurrence 105M 008 (Comstock) and the 'Avenue' MINFILE occurrence is located on the Ski 32 claim.

The Gold Hill prospect is defined by an intense vein system referred to as the Porcupine vein, thought to be one of the longest and most continuous vein systems in the district, which continues east from the main Keno Hill deposit, which historically produced 12.6 million ounces of silver. Archival reports of the Porcupine vein from underground workings indicate the vein averaged [60 to 70 ounces of silver per ton] and 10-12% lead over more than 2 metres width, with the best grades existing where the vein was hosted by shattered greenstones. Surface sampling in 2016 at the Gold Hill Prospect returned up to 1,921.5 g/t silver, 18.14% lead and 2.47% zinc. A table showing the 2016 sample results from the Gold Hill #2 prospect is shown in Table 2. A map showing the sample locations and relative geology is shown in Appendix 4.

Table 2: Gold Hill Prospect Assay Results

Sample No	Location	Ag g/t	Au g/t	Pb %	Cu %	Zn %
1501151	Gold Hill #2	228.2	0.062	2.47	0.04	1.49
1501152	Gold Hill #2	333.3	0.053	3.47	0.04	1.17
1501153	Gold Hill #2	1921.5	0.043	18.14	0.11	2.47

Beauvette Hill, the location of the Avenue and Beauvette targets, has seen little historic work, but is directly on-trend with several productive mineralized structures from the Keno Summit area and appears to be underlain by what may be a significant array of greenstone bodies. In addition to the Keno Hill deposit, the Sadie Ladue mine, which produced 12.7 Moz of silver, is an example of a greenstone hosted deposit in a similar structural setting located on the north side of the Keno Summit area (Cathro, 2006).

Avenue is an area of quartzite and greenstones that is intermittently exposed over a strike length of 1.2 kilometres which has a coincident lead, zinc and silver soil anomaly in areas typified by shallow cover. The Avenue target is on-trend with several highly-mineralized veins where they continue into what is believed to be an array of significant parallel greenstone bodies, masked under shallow cover.

Surface sampling in 2016 at Beauvette Hill area resulted in the discovery of a new sulphide-rich vein showing at a quartzite and greenstone contact (See Appendix 5 for photos). A table showing the sample results from 2016 is shown in Table 3. The locations of the Beauvette Hill samples are shown in Appendix 4.

Table 3: Beauvette Hill Prospect Assay Results

Sample No.	Location	Ag g/t	Au g/t	Pb %	Cu %	Zn %
1501154	Beauvette Hill	10.0	0.011	na	0.10	0.005
1501155	Beauvette Hill	46.7	0.039	na	0.11	0.004
1501156	Beauvette Hill	50.5	0.002	na	0.15	0.002
1501157	Beauvette Hill	10.0	0.011	na	0.16	0.002

8.2 Field Tour and Rock Sampling Program

September 10th to September 13th,2016, Metallic Minerals completed a property tour and preliminary surface sampling program, gathering material from two primary target regions across the greater Keno-Lightning property, namely the Caribou and Homestake Veins. Assay results from these surface samples are consistent with the style and grade of mineralization found elsewhere in the Keno Hill silver district, confirming their suitability for additional exploration activity to be conducted in the area in 2017.

Caribou Target Area

The Caribou target area includes the Caribou veins and cross-cutting Alice veins. The showing was first discovered in the early 1920's and opened up by shafts, an adit, prospect cuts and hand trenches. The vein consists of silver rich galena in a gangue of carbonates, oxides and quartz hosted in the Keno Hill Quartzite. About 120 tons of ore form the Caribou adit was shipped in 1925-1927 grading more than 6,000 g/t silver (Cathro, 2006).

In 2008, six shallow diamond drill holes tested the Caribou and Alice vein systems, following trenching and RAB drilling programs. Follow-up drilling in 2011 targeted strike and depth extensions of the Caribou vein system. Eleven of the 14 holes drilled at Caribou intersected mineralization, and three of the 11 returned results in excess of 1,000 g/t Ag. Results of the program defined 300 m of continuous silver mineralization at >100 g/t between 11 m and 35 m down-hole that remains open at depth and along trend (Ettlingerm 2012).

Select grab samples were collected along the Caribou vein. The results of this sampling program confirm the high-grades of silver and elevated gold values associated that occur at surface in this area and additional work will focus on refining potential targets for follow up drilling in 2017 (Table 4). See Appendix 4 for sample locations relative to the geology.

Table 4: Caribou Sample Assay Results

Sample no.	Location	Ag g/t	Au g/t	Pb %	Cu %	Zn %	AgEq g/t
1501201	Caribou Vein	6,284	1.07	57.49	0.23	0.711	8,490
1501202	Caribou Vein	5,015	0.53	71.33	0.12	1.326	7696
1501205	Caribou Vein	604	0.195	6.69	0.03	2.287	950
1501206	Caribou Vein	640	0.16	0.99	0.08	2.219	780
1501207	Caribou Vein	886	0.27	8.12	0.04	0.615	1226
1501208	Caribou Vein	1,314	0.26	6.83	0.15	0.439	1612
1501209	Caribou Vein	8,807	1.58	58.51	0.26	0.038	11.063

Homestake Trend

Two kilometers east and parallel to the Bellekeno-Keno Summit trend, the Homestake trend shows several similar features that are recognized between the two distinct mineralized trends, including the continuation of the Keno Hill Quartzites and Triassic Greenstones known to host mineralization across the district. This mineralized trend is primarily controlled by Metallic Minerals and is defined by several highly-prospective areas, namely the Homestake, Divide, Faith, Segworth and Beauvette mineralized showings. Two prominent target areas in the Homestake trend are discussed below. Three additional parallel trends are identified further east of the Homestake trend as defined by the Cobalt, Gram, Gustavus and McMillan showings.

The Homestake target area represents one of the primary exploration targets on the Keno-Lightning property. The Homestake prospective area, originally staked in 1920, is underlain Keno Hill Quartzite and phyllitic schists of the Earn group, locally intruded by greenstone dikes. Significant grades have been returned from each of the four Homestake veins, known separately as the Homestake #1, 2, 2a veins and the Shaft vein. Between 1928 and 1931, the area was explored by a 26.8m shaft and 38.4m of drifting, from which a few tons of high grade were reportedly direct shipped to a smelter. Open-cut excavation and trenching on the showing were conducted through the 1960s and '70s. Previous trenching at the Homestake No.1 vein (trench H-TR4) intersected 2,844 g/t Ag, 0.30 g/t Au, 25.9% Pb and 6.1% Zn across 4m (Paulter, 2010).

The Homestake Area was an area of focus for more recent work in 2007 and 2011 including trenching, soil grid sampling, structural mapping and drilling. This work returned encouraging results with Keno style mineralization encountered from drilling in 2011 with grades of 1,696 g/t Ag over 1.4m, 1,787 g/t Ag over 0.5m and 1,183 g/t Ag over 1.6m in three different holes. In total, 9 holes from the 2011 drilling campaign at Homestake returned grades of over 300 g/t Ag (Ettlinger, 2012).

The predominate mineralization style at Homestake is typical of the Keno Hill district but with significantly higher gold content in some areas including the Homestake #2 vein. Trench sampling of the Homestake #2 vein in 2011 returned channel samples up to 11.5 g/t Au over 0.35m (Ettlinger, 2012). Surface sampling in 2016 also returned grades of 10.62 g/t gold, 370 g/t Ag, 12.13% lead and 0.062% Zn. Selective sampling along the Homestake #1 vein during the fall of 2016, returned the following positive results as shown in Table 5. A map showing the sample location can be found in Appendix 4.

Table 5: Homestake Prospect Assay Results

Sample No.	Location	Ag g/t	Au g/t	Pb %	Cu %	Zn %	Ag Eq (g/t)
1501203	Homestake #1	6,562	1.30	3.3	0.79	17.834	7,534
1501204	Homestake #1	58	0.03	NA	0.03	2.014	NA
1501210	Homestake #1	370	10.62	12.13	0.02	0.062	1,551
1501211	Homestake #1	340	0.08	0.28	0.02	1.413	412

8.3 Compilation Work

A total of ten days was spent by Metallic Geologist Debbie James between August 20th and August 30th compiling all available information on the Keno-lightning property with a focus on geologic mapping to produce an up-to-date district wide geology map to help guide future exploration. The resulting detailed geology map and interpretation will be used by Metallic Minerals Corp for mineralization corridor interpretation, and as a control map for the 2017 field season and the detailed mapping that will be conducted. The work is ongoing and will be refined as areas of the property that were mapped in detail by previous operators is digitized. The map is shown in Appendix 2.

The procedure followed to create the compilation was as follows: First, the YGS digital geology at 250,000 scale was used as a base map. This was refined by digitizing maps at various scales of Keno district properties (predominantly those owned by Alexco Resource Corp.) and 1:50,000 YGS maps. Where the maps overlapped and there was a difference in rock types or unit boundaries (e.g. the location of the Robert Service Thrust dividing the Keno Hill Quartzite from the overlying Hyland Group) preference was given to the Alexco mapping over their claims. In the outlying areas, YGS mapping was used and the units were merged in the overlap region. The sources for the Keno District Compilation map are included in Section 12 - References, listed in decreasing order of spatial extent.

9 - Sampling Method and Approach, Sampling Preparation, Analysis and Security

Rock samples were selectively collected for analysis from existing mine or trench spoils and from in-situ vein sampling. Sampled rocks were collected in 5 mil 12”x20” poly ore bags, labeled and sealed. Sample locations were collected by handheld GPS. A separate notebook was used to record the location for sample numbers. Samples were delivered to the prep facility in Whitehorse by Metallic personnel.

Analytical work was done by Bureau Veritas Commodities Canada Ltd. with sample prep in Whitehorse, Yukon and geochemical analysis in Vancouver, British Columbia. Each rock (grab) sample was analyzed for silver using a 30-gram fire assay fusion with a gravimetric finish (FA530-Ag). Gold was assayed using a 30-gram fire assay fusion with atomic absorption spectroscopy (AAS) finish (FA430). In addition, 34 other elements were analyzed using an Aqua Regia digestion with inductively coupled plasma-atomic emission spectroscopy (ICP-AES) and inductively coupled Plasma-mass spectrometry (ICP-MS) (AQ-270). Over-limit lead samples have been analyzed by ICP MA410. All results have passed the QAQC screening by the lab.

10 - Interpretation and Conclusions

The recent sample results confirm the tenor of the Caribou, Homestake and Porcupine-Kinman veins as recognized from previous work and provide further encouragement about the prospects of the Keno-lightning property. A new sulfide-rich vein at the contact of a quartzite and greenstone near the Avenue prospect on Beauvette Hill returned grades up to 50 g/t silver. The Beauvette Hill area is on strike of many known veins of the Caribou, Monument Hill and Keno Hill areas, but is primarily underlain by greenstones. While comparatively low, these results demonstrate that further investigation of the potential for greenstone hosted veins of the Beauvette Hill area, is warranted.

11 - Recommendations

Until recently, these areas had seen very little modern exploration, which presents the opportunity for Metallic Minerals to employ advanced technology and the decades of experience of our technical team toward new discoveries in the district. In that effort, based in-part on the results of the 2016 investigations, the team at Metallic is currently compiling additional information from the claims and focusing on a work program for 2017 to potentially include:

- Field mapping, prospecting, soil geochemical surveying and trenching to locate, identify and test known vein prospects and lineaments generated by the airborne geophysical program.
- Drill testing for down-dip and along-strike extensions of mineralization previously identified at either or both Caribou Hill and the Homestake Veins.

This effort will advance the understanding of the project geology and facilitate the eventual discovery of a new ore body.

A proposed total budget of $1,500,000 CAD is recommended for 2017 as follows:

Camp Costs:	$53,000
Geophysics (55-line KM ground mag at Homestake and Faith):	$50,000
Drilling (1500m Core and 500m RAB):	$630,000
Staffing (geologists, Core Techs, Laborers, Consultants):	$525,000
Analysis (720 drill core, soil and whole rock sample assays + standards):	$62,000
Equipment (trucks, Niton rental, generators, sat phone etc.):	$69,000
Fuel:	$30,000
Accommodations (Flights, Hotels, Meals etc.)	$51,000
Total:	**$1,500,000 CAD**

12 – References

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Sources for MMG Keno District Geology Map – listed in decreasing order of spatial extent

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13 - Statement of Expenditures

August 6-7, 2016 Prospecting

Labour	***Rate***	***Days/Mandays***	
Geologist	$ 450.00	2	$ 900.00
Prospector	$ 440.00	2	$ 880.00
Letter Report			$ 450.00
ATV	$ 100.00	2	$ 200.00
Radios/GPS	$ 20.00	2	$ 40.00
Vehicle	$ 200.00	2	$ 400.00
Field Supplies	$ 10.00	2	$ 20.00
			$ 2,890.00

Sept 10-13, 2016 Field Tour

Labour	***Rate***	***Days/Mandays***	
Senior Geologist	$ 600.00	2	$ 1,200.00
Senior Geologist	$ 600.00	2	$ 1,200.00
Geologist	$ 500.00	2	$ 1,000.00
Geologist	$ 500.00	2	$ 1,000.00
Prospector	$ 500.00	2	$ 1,000.00
Prospector	$ 450.00	2	$ 900.00
		12	$ 6,300.00
Vehicles			
Truck	$ 150.00	2	$ 300.00
Truck	$ 150.00	2	$ 300.00
Truck	$ 150.00	2	$ 300.00
ATV	$ 75.00	2	$ 150.00
ATV	$ 75.00	2	$ 150.00
ATV	$ 75.00	2	$ 150.00
side by side	$ 100.00	2	$ 200.00
side by side transport			$ 250.00
side by side transport			$ 240.00
			$ 2,040.00
Accomodation/Food/Field Gear/Fuel			
Accommodation	$ 100.00	12	$ 1,200.00
			$ 1,200.00
Food	$ 35.00	12	$ 420.00
Field gear (gps/etc.)	$ 20.00	12	$ 240.00
Fuel			$ 650.00
Compilation Work			
Geologist	$ 500.00	10	$ 5,000.00
Report (to follow)			
Geologist	$ 500.00	5	$ 2,500.00
Including Murray 11 filing			
Assays (18 samples)			$ 1,341.97
		Total	$ 20,081.97

14 - Certificate of Qualifications

I, Scott Petsel of 30 Via Mantova Unit 301, Henderson, Nevada, 89011 USA do hereby declare that:

1. I am currently employed as Vice President, Exploration by Metallic Minerals Corp of Suite 904 – 409 Granville St., Vancouver, BC Canada V6C 1T2.

2. I graduated with a Bachelor of Science degree from Fort Lewis College, Durango Co., USA in 1987.

3. I have thirty years of mineral exploration experience in USA, Canada, Russia the Philippines and Mexico. Relevant experience includes work on narrow vein base-metal deposits in Northern Alaska and Colorado.

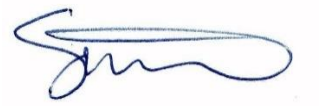
4. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (P. Geo 146315) and a Registered Professional Geologist in the American Institute of Professional Geologists (CPG 10071) and as such am considered a "Qualified Person" as defined by National Instrument 43-101.

5. I have visited the Keno-Lightning property, which is the subject of this report. I am a "Qualified Person" in the context of National Instrument 43-101.

6. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.

7. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I own shares and have options to purchase shares in the company.

Dated this 30th day of March, 2017 in Las Vegas, Nevada, USA



Scott Petsel

Appendix 1 – Keno-Lightning Property Quartz Mineral Claims

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Aho 001	YC57784	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 002	YC57785	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 003	YC57786	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 004	YC57787	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 005	YC57788	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 006	YC57789	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 007	YC57790	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 008	YC57791	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 009	YC57792	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 010	YC57793	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 011	YC57794	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 012	YC57795	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 013	YC57796	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 014	YC57797	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 015	YC57798	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 016	YC57799	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 017	YC57800	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 018	YC67501	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 019	YC67502	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 020	YC67503	Metallic	1-Dec-21	Matthias Bindig	105M15
Aho 021	YD11271	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 022	YD11272	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 023	YD11273	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 024	YD11274	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 025	YD11275	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 026	YD11276	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 027	YD11277	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 028	YD11278	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 029	YD11279	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 030	YD11280	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 031	YD11289	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 032	YD11290	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 033	YD11291	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 034	YD11292	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 035	YD11293	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 036	YD11294	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 037	YD11295	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 038	YD11296	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 039	YD11297	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 040	YD11298	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 041	YD11299	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 042	YD11300	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 043	YD22789	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 044	YD22790	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 045	YD22791	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 046	YD22792	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 047	YD22793	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 048	YD22794	Metallic	1-Dec-22	Metallic Mining	105M14
Aho 049	YD22795	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 050	YD22796	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 051	YD22797	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 052	YD22798	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 053	YD22799	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 054	YD22800	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 055	YD11281	Metallic	1-Dec-22	Metallic Mining	105M15
Aho 056	YD11282	Metallic	1-Dec-22	Metallic Mining	105M15

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Blanche	YC00365	Metallic	1-Dec-23	Metallic Mining/R. Moriarty/B. Walden	105M14
Blanche Fr	YF46472	Metallic	1-Dec-23	Bill Harris	105M14
Homestake 001	YC38987	Metallic	1-Dec-22	Metallic Mining	105M14
Homestake 002	YC38988	Metallic	1-Dec-22	Metallic Mining	105M14
Homestake 003	YC38989	Metallic	1-Dec-21	Metallic Mining	105M14
Homestake 004	YC38990	Metallic	1-Dec-21	Metallic Mining	105M14
Homestake 005	YC38991	Metallic	1-Dec-21	Metallic Mining	105M14
Homestake 006	YC39474	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 007	YC39475	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 008	YC39476	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 009	YC39477	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 010	YC39478	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 011	YC39479	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 012	YC39480	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 013	YC39481	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 014	YC39482	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 015	YC39483	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 016	YC39484	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 017	YC39485	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 018	YC39486	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 019	YC39487	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 020	YC39488	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 021	YC39489	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 022	YC39490	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 023	YC39491	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 024	YC39492	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 025	YC39493	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 026	YC39494	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 027	YC39564	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 028	YC39565	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 029	YC39566	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 030	YC39567	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 031	YC39568	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 032	YC39569	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 033	YC39890	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 034	YC39891	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 035	YC39892	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 036	YC39893	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 037	YC57031	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 037	YC57462	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 038	YC57032	Metallic	2-Aug-21	Metallic Mining	105M14
Homestake 038	YC57463	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 039	YC57033	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 039	YC57464	Metallic	1-Dec-24	Metallic Mining	105M14
Homestake 040	YC68018	Metallic	1-Dec-21	Metallic Mining	105M14
HS 001	YD34912	Metallic	1-Dec-20	Metallic Mining	105M14
HS 002	YD34913	Metallic	1-Dec-20	Metallic Mining	105M14
HS 003	YD34914	Metallic	1-Dec-20	Metallic Mining	105M14
HS 004	YD34915	Metallic	1-Dec-20	Metallic Mining	105M14
HS 005	YD34916	Metallic	1-Dec-20	Metallic Mining	105M14
Louis 001	YF46473	Metallic	1-Dec-22	Bill Harris	105M14
Louis 002	YF46474	Metallic	1-Dec-22	Bill Harris	105M14
Louis 003	YF46475	Metallic	1-Dec-22	Bill Harris	105M14
Louis 004	YF46476	Metallic	1-Dec-22	Bill Harris	105M14
Louis 005	YF46477	Metallic	1-Dec-22	Bill Harris	105M14
Louis 006	YF46478	Metallic	1-Dec-22	Bill Harris	105M14

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Louis 007	YF46479	Metallic	1-Dec-22	Bill Harris	105M14
Louis 008	YF46480	Metallic	1-Dec-22	Bill Harris	105M14
Louis 009	YF46481	Metallic	1-Dec-22	Bill Harris	105M14
Louis 010	YF46482	Metallic	1-Dec-22	Bill Harris	105M14
Louis 011	YF46483	Metallic	1-Dec-22	Bill Harris	105M14
Louis 012	YF46484	Metallic	1-Dec-22	Bill Harris	105M14
Louis 013	YF46485	Metallic	1-Dec-22	Bill Harris	105M14
Louis 014	YF46486	Metallic	1-Dec-22	Bill Harris	105M14
Louis 015	YF46487	Metallic	1-Dec-22	Bill Harris	105M14
Louis 016	YF46488	Metallic	1-Dec-22	Bill Harris	105M14
Louis 017	YF46489	Metallic	1-Dec-22	Bill Harris	105M14
Louis 018	YF46490	Metallic	1-Dec-22	Bill Harris	105M14
Louis 019	YF46491	Metallic	1-Dec-22	Bill Harris	105M14
Louis 020	YF46492	Metallic	1-Dec-22	Bill Harris	105M14
Louis 021	YF46493	Metallic	1-Dec-22	Bill Harris	105M14
Louis 022	YF46494	Metallic	1-Dec-23	Bill Harris	105M14
Louis 023	YF46495	Metallic	1-Dec-22	Bill Harris	105M14
Louis 024	YF46496	Metallic	1-Dec-23	Bill Harris	105M14
Louis 025	YF46497	Metallic	1-Dec-22	Bill Harris	105M14
Louis 026	YF46498	Metallic	1-Dec-23	Bill Harris	105M14
Louis 027	YF46499	Metallic	1-Dec-23	Bill Harris	105M14
Louis 028	YF46500	Metallic	1-Dec-23	Bill Harris	105M14
Maja 001	YC38992	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 002	YC38993	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 003	YC38994	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 004	YC38995	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 005	YC38996	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 006	YC38997	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 007	YC38998	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 008	YC38999	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 009	YC39004	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 010	YC39005	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 011	YC39006	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 012	YC39007	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 013	YC39008	Metallic	1-Dec-21	Metallic Mining	105M14
Maja 014	YC39543	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 015	YC39878	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 016	YC39879	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 017	YC39880	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 018	YC39881	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 019	YC39882	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 020	YC39883	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 021	YC39884	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 022	YC39885	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 023	YC39886	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 024	YC39887	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 025	YC57465	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 026	YC57466	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 027	YC57467	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 028	YC57468	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 029	YC57469	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 030	YC57470	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 031	YC57471	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 032	YC57472	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 033	YC57473	Metallic	1-Dec-24	Metallic Mining	105M14

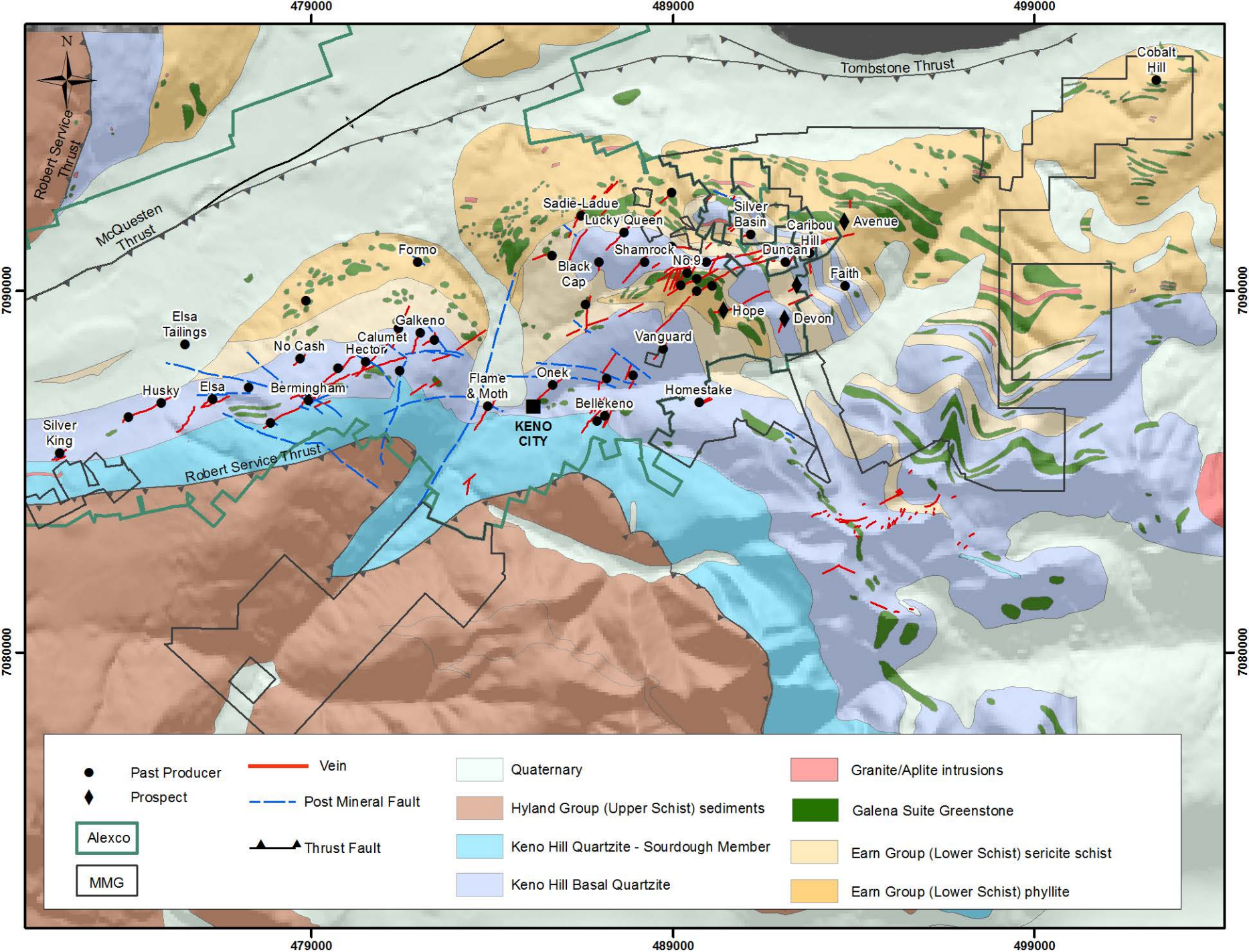
Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Maja 034	YC57474	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 035	YC57475	Metallic	1-Dec-24	Metallic Mining	105M14
Maja 036	YC57476	Metallic	1-Dec-24	Metallic Mining	105M14
Murray 001	YC39000	Metallic	1-Dec-19	Metallic Mining	105M14
Murray 002	YC39001	Metallic	1-Dec-19	Metallic Mining	105M14
Murray 003	YC39002	Metallic	1-Dec-23	Metallic Mining	105M14
Murray 004	YC39003	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 005	YC39963	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 006	YC39964	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 007	YC39965	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 008	YC39966	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 009	YC39967	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 010	YC39968	Metallic	1-Dec-21	Metallic Mining	105M14
Murray 011	YC39969	Metallic	13-Oct-21	Metallic Mining	105M14
Murray 012	YC56160	Metallic	1-Dec-22	Metallic Mining	105M14
Murray 013	YC56161	Metallic	1-Dec-22	Metallic Mining	105M14
Murray 014	YC56162	Metallic	1-Dec-22	Metallic Mining	105M14
Murray 015	YC56163	Metallic	1-Dec-22	Metallic Mining	105M14
Murray 016	YC56164	Metallic	1-Dec-20	Metallic Mining	105M14
Murray 017	YC56165	Metallic	1-Dec-20	Metallic Mining	105M14
Ski 001	YC39009	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 002	YC39010	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 003	YC39011	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 004	YC39012	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 005	YC39013	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 006	YC39014	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 007	YC39015	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 008	YC39016	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 009	YC39017	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 010	YC39018	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 011	YC39019	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 012	YC39020	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 013	YC39021	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 014	YC39022	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 015	YC39023	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 016	YC39024	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 017	YC39025	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 018	YC39026	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 019	YC39027	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 020	YC39028	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 021	YC39029	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 022	YC39030	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 023	YC39031	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 024	YC39032	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 025	YC39033	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 026	YC39034	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 027	YC39035	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 028	YC39036	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 029	YC39037	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 030	YC39038	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 031	YC39039	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 032	YC39040	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 033	YC39041	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 034	YC39042	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 035	YC39043	Metallic	1-Dec-24	Metallic Mining	105M14

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Ski 036	YC39044	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 037	YC39045	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 038	YC39046	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 039	YC39047	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 040	YC39048	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 041	YC39049	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 042	YC39050	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 043	YC39451	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 044	YC39452	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 045	YC39453	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 046	YC39454	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 047	YC39888	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 048	YC39889	Metallic	1-Dec-24	Metallic Mining	105M14
Ski 049	YC56166	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 050	YC56167	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 051	YC56168	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 052	YC56169	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 053	YC56170	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 054	YC56171	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 055	YC56172	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 056	YC56173	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 057	YC56174	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 058	YC56175	Metallic	1-Dec-22	Metallic Mining	105M14
Ski 059	YC67504	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 060	YC67505	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 061	YC67506	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 062	YC67507	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 063	YC67508	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 064	YC67509	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 065	YC67510	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 066	YC67511	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 067	YC67512	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 068	YC67513	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 069	YC67514	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 070	YC67515	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 071	YC67516	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 072	YC67517	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 073	YC67518	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 074	YC67519	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 075	YC67520	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 076	YC67521	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 077	YC67522	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 078	YC67523	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 079	YC67524	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 080	YC67525	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 081	YC67526	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 082	YC67527	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 083	YC67528	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 084	YC67529	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 085	YC67530	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 086	YC67531	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 087	YC67532	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 088	YC67533	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 089	YC67534	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 090	YC67535	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 091	YC68194	Metallic	1-Dec-21	Metallic Mining	105M14

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Ski 092	YC68195	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 093	YC68196	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 094	YC68197	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 095	YC68198	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 096	YC68199	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 097	YC68200	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 098	YC68201	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 099	YC68202	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 100	YC68203	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 101	YC68204	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 102	YC68205	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 103	YC68206	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 104	YC68207	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 105	YC68208	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 106	YC68209	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 107	YC68210	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 108	YC68211	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 109	YC68212	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 110	YC68213	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 111	YC68214	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 112	YC68215	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 113	YC68216	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 114	YC68217	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 115	YC68218	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 116	YC68219	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 117	YC68220	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 118	YC68221	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 119	YC68222	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 120	YC68223	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 121	YC68224	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 122	YC68225	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 123	YC68226	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 124	YC68227	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 125	YC68228	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 126	YC68229	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 127	YC68230	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 128	YC68231	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 129	YC68232	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 130	YC68233	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 131	YC68234	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 132	YC68235	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 133	YC68236	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 134	YC68237	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 135	YC68238	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 136	YC68239	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 137	YC68240	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 138	YC68241	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 139	YC68242	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 140	YC68243	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 141	YC68244	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 142	YC68245	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 143	YC68246	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 144	YC68247	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 145	YC68248	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 146	YC68249	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 147	YC68250	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 148	YC68251	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 149	YC68252	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 150	YC68253	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 151	YC68254	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 152	YC68255	Metallic	1-Dec-21	Metallic Mining	105M14

Claim Name	Grant No.	Responsibility	Expiry Date	Claim Owner	Map Sheet
Ski 153	YC68256	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 154	YC68257	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 155	YC68258	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 156	YC68259	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 157	YC68260	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 158	YC68261	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 159	YC68262	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 160	YC68263	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 161	YC68264	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 162	YC68265	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 163	YC68266	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 164	YC68267	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 165	YC68268	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 166	YC68269	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 167	YC68270	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 168	YC68271	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 169	YC68272	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 170	YC68273	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 171	YC68274	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 172	YC68275	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 173	YC68276	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 174	YC68277	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 175	YC68278	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 176	YC68279	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 177	YC68280	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 178	YC68281	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 179	YC68282	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 180	YC68283	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 181	YC68284	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 182	YC68285	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 183	YC68286	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 184	YC68287	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 185	YC68328	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 186	YC68329	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 187	YC68330	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 188	YC68331	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 189	YC68332	Metallic	1-Dec-21	Metallic Mining	105M14
Ski 190	YC68333	Metallic	1-Dec-21	Metallic Mining	105M14

Appendix 2 – 2016 Geology Compilation Map


479000
489000
499000
7090000
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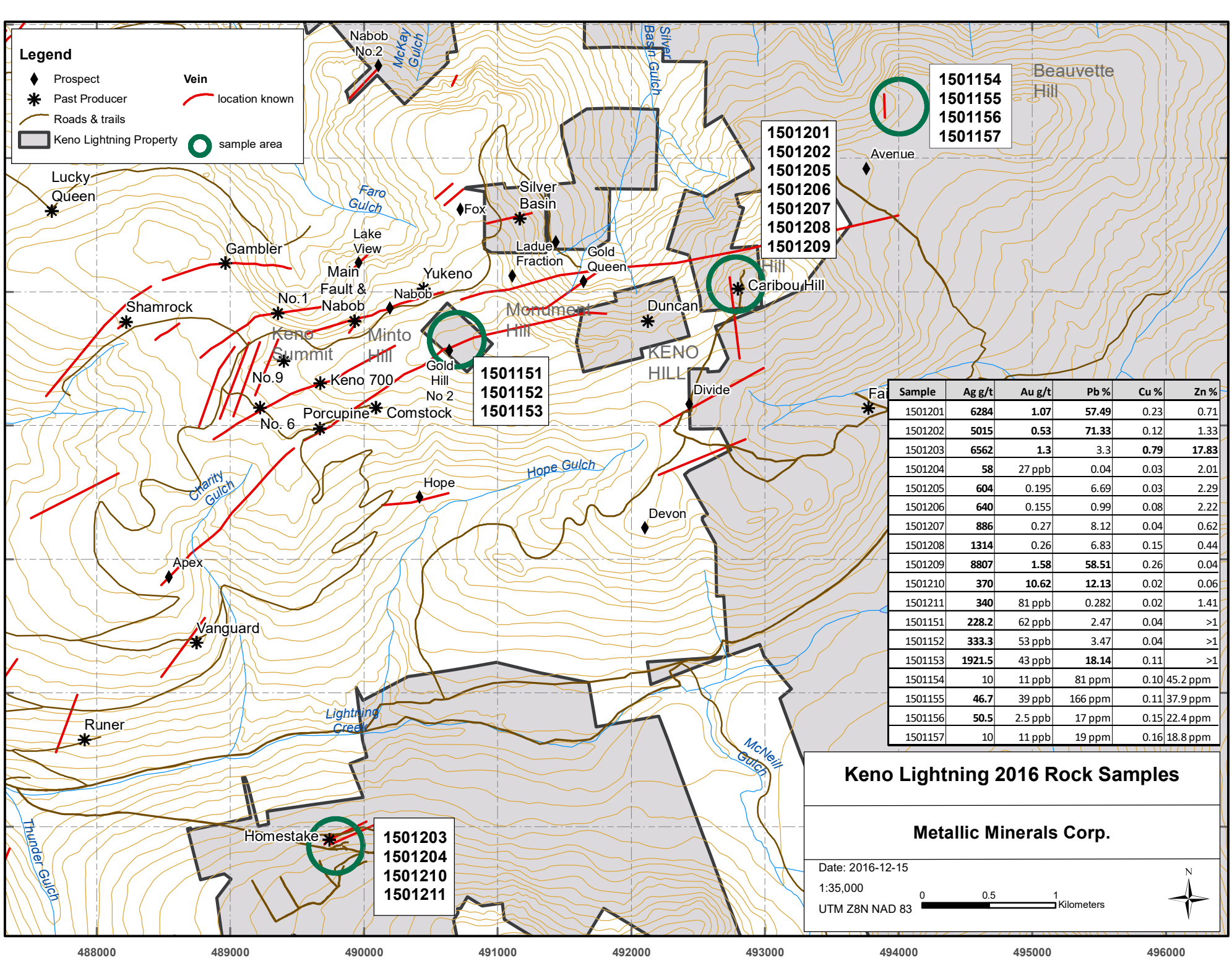
N
Robert Service Thrust
McQuesten Thrust
Tombstone Thrust
Cobalt Hill
Sadie-Ladue
Lucky Queen
Silver Basin
Caribou Hill
Avenue
Shamrock
No.9
Duncan
Faith
Black Cap
Formo
Hope
Devon
Elsa Tailings
Galkeno
Calumet
Hector
No Cash
Vanguard
Onek
Flame & Moth
Husky
Elsa
Bermingham
Homestake
Bellekeno
KENO CITY
Silver King
Robert Service Thrust
Past Producer
Prospect
Alexco
MMG
Vein
Post Mineral Fault
Thrust Fault
Quaternary
Hyland Group (Upper Schist) sediments
Keno Hill Quartzite - Sourdough Member
Keno Hill Basal Quartzite
Granite/Aplite intrusions
Galena Suite Greenstone
Earn Group (Lower Schist) sericite schist
Earn Group (Lower Schist) phyllite

Appendix 3 – 2016 Sample Descriptions and Assay Results

2016 Assessment Sample Description

Sample No	Type	Location	Easting	Northing	Date	Type	Description	Ag g/t	Au g/t	Pb %	Cu %	Zn %
1501201	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	galena, siderite, limonite, open space	6284	1.07	57.49	0.23	0.711
1501202	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	galena sample	5015	0.53	71.33	0.12	1.326
1501203	grab	Homestake #1	489846	7086850	10-Sep-16	vein	sphalerite and siderite.	6562	1.3	na	0.79	17.834
1501204	grab	Homestake #1	489779	7086835	10-Sep-16	vein	crystalline, almost angel wing with limonite or manganese coating	58	0.027	na	0.03	2.014
1501205	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	galena>siderite>limonite. Open space,; galena has different form	604	0.195	6.69	0.03	2.287
1501206	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	fine grained, dark grey, sooty, some limonite	640	0.155	na	0.08	2.219
1501207	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	fine grained, dark grey, sooty.	886	0.27	8.12	0.04	0.615
1501208	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	honey coloured sphalerite or siderite with bands of cubic galena	1314	0.26	6.83	0.15	0.439
1501209	grab	Caribou Vein	492792	7091026	10-Sep-16	vein	same place as 1501205. Higher Pb sample	8807	1.58	58.51	0.26	0.038
1501210	grab	Homestake #1	489846	7086850	10-Sep-16	vein	high Ag, boulangerite sample. Brecciated, scorodite, open space, quartz	370	10.62	12.13	0.02	0.062
1501211	grab	Homestake #1	489779	7086835	10-Sep-16	vein	Banded vein, coarse-grained crystallline siderite layer and fg black Mn coating.	340	0.081	na	0.02	1.413
1501151	grab	Murray 11 claims	490636	7090576	6-Aug-16	vein	From dump at Gold Hill. Intensely altered, vuggy, sphal-rich vn material with tr gal.	228.2	0.062	2.47	0.04	>1
1501152	grab	Murray 11 claims	490636	7090576	6-Aug-16	vein	From dump at Gold Hill. Extensional vein fault with local breccia texture, tr gal.	333.3	0.053	3.47	0.04	>1
1501153	grab	Murray 11 claims	490557	7090555	6-Aug-16	vein	From 30m below historic shaft dump pile. Higher grade galena ore vein.	1921.5	0.043	18.14	0.11	>1
1501154	grab	Beauvette Hill	494000	7092365	7-Aug-16	vein	Outcrop. Euhedral, coarse pyrite cubes, quartz and FeO/lim material with MnO	10	0.011	na	0.10	0.005
1501155	grab	Beauvette Hill	494000	7092365	7-Aug-16	vein	Outcrop. Sphalerite, pyritic, quartz vein material + or - MnO + or - FeO/limonite.	46.7	0.039	na	0.11	0.004
1501156	grab	Beauvette Hill	494000	7092365	7-Aug-16	vein	Outcrop. Same as 1501155 but with tarnished pyrite or chalcopyrite.	50.5	0.0025	na	0.15	0.002
1501157	channel	Beauvette Hill	494000	7092365	7-Aug-16	vein	Horizontal channel over vein oc. Lim-FeO altd pyr-sphal-qtz + or - chalco .New vein.	10	0.011	na	0.16	0.002

Appendix 4 – 2016 Sample Location Maps



Sample	Ag g/t	Au g/t	Pb %	Cu %	Zn %
1501201	**6284**	**1.07**	**57.49**	0.23	0.71
1501202	**5015**	**0.53**	**71.33**	0.12	1.33
1501203	**6562**	**1.3**	3.3	**0.79**	**17.83**
1501204	**58**	27 ppb	0.04	0.03	2.01
1501205	**604**	0.195	6.69	0.03	2.29
1501206	**640**	0.155	0.99	0.08	2.22
1501207	**886**	0.27	8.12	0.04	0.62
1501208	**1314**	0.26	6.83	0.15	0.44
1501209	**8807**	**1.58**	**58.51**	0.26	0.04
1501210	**370**	**10.62**	**12.13**	0.02	0.06
1501211	**340**	81 ppb	0.282	0.02	1.41
1501151	**228.2**	62 ppb	2.47	0.04	>1
1501152	**333.3**	53 ppb	3.47	0.04	>1
1501153	**1921.5**	43 ppb	**18.14**	0.11	>1
1501154	10	11 ppb	81 ppm	0.10	45.2 ppm
1501155	**46.7**	39 ppb	166 ppm	0.11	37.9 ppm
1501156	**50.5**	2.5 ppb	17 ppm	0.15	22.4 ppm
1501157	10	11 ppb	19 ppm	0.16	18.8 ppm

Keno Lightning 2016 Rock Samples

Metallic Minerals Corp.

Date: 2016-12-15

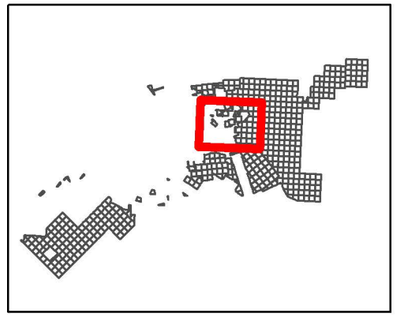
1:35,000

UTM Z8N NAD 83

0 0.5 1 Kilometers

N

Sample no.	Location	Ag g/t	Au g/t	Pb%	Cu%	Zn%
1501151	Gold Hill #2	228.2	0.062	2.47	0.04	1.49
1501152	Gold Hill #2	333.3	0.053	3.47	0.04	1.17
1501153	Gold Hill #2	1921.5	0.043	18.14	0.11	2.47
1501154	Beauvette Hill	10.0	0.011	na	0.01	0.005
1501155	Beauvette Hill	46.7	0.039	na	0.11	0.004
1501156	Beauvette Hill	50.5	0.002	na	0.15	0.002
1501157	Beauvette Hill	10.0	0.011	na	0.16	0.002
1501201	Caribou Vein	6284.0	1.07	57.49	0.23	0.711
1501202	Caribou Vein	5015.0	0.53	71.33	0.12	1.326
1501205	Caribou Vein	604.0	0.195	6.69	0.03	2.287
1501206	Caribou Vein	640.0	0.16	0.99	0.08	2.219
1501207	Caribou Vein	886.0	0.27	8.12	0.04	0.615
1501208	Caribou Vein	1314.0	0.26	6.83	0.15	0.439
1501209	Caribou Vein	8807.0	1.58	58.51	0.26	0.038



Legend

Faith soil grid Ag ppm
- <1.1
- 1.1 - 3.4
- 3.4 - 6.8
- 6.8 - 9.3
- 9.3 - 15.6

Faith-Caribou soil grid Ag ppm
- <0.1
- 0.1 - 0.7
- 0.7 - 1.7
- 1.7 - 3.3
- 3.3 - 5.6
- 2016 rock samples
- Prospect
- Producer
- Adit/Shaft

Drillhole
- DDH
- RAB
- Trench
- Keno Silver project claim

Structure
- post-mineral, inferred
- post-mineral, observed
- pre-mineral, inferred
- pre-mineral, observed

Keno district geology
- Quaternary
- Cretaceous Granite/Aplite intrusions
- Triassic Greenstone intrusions
- Keno Hill Basal Quartzite
- Earn Group Qtz Ser Schist
- Earn Group Phyllite

2016 Rock Samples Caribou, Gold Hill #2 and Beauvette Hill Detail

1:15,000
Date: 2017-04-11
Author: D. James
Coordinate System: NAD 1983 UTM Zone 8N

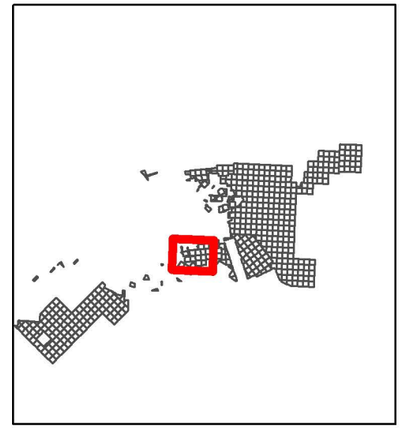
METALLIC MINERALS

Meters
0 100 200 300 400 500

7092500
7092000
7091500
7091000
7090500
7090000
7089500
7089000

489500 490000 490500 491000 491500 492000 492500 493000 493500 494000 494500

Sample No.	Location	Ag g/t	Au g/t	Pb %	Cu %	Zn %	AgEq (g/t)
1501203	Homestake #1	6562	1.3	3.3	0.79	17.834	7534
1501204	Homestake #1	58	0.027	NA	0.03	2.014	NA
1501210	Homestake #1	370	10.62	12.13	0.02	0.062	1551
1501211	Homestake #1	340	0.081	0.28	0.02	1.413	412



Legend

- 2016 rock samples
- Prospect
- Producer
- Adit/Shaft

Drillhole

- DDH
- RAB

2009 soil grid

Au_ppb

- <2 ppb
- 2.0 -4.8 ppb
- 4.8 - 11.2 ppb
- 11.2 - 20.4 ppb
- 20.4 - 38.2 ppb
- Trench

Structure

- post-mineral, observed
- pre-mineral, observed

Keno district geology

- Quaternary
- Triassic Greenstone intrusions
- Keno Hill Quartzite - Sourdough Member
- Keno Hill Basal Quartzite
- Earn Group Qtz Ser Schist
- Keno Silver project claim

2016 Rock Samples Homestake Detail

1:10,000

Date: 2017-04-11

Author: D. James

Coordinate System: NAD 1983 UTM Zone 8N

METALLIC MINERALS

Meters 0 100 200 300 400 500

7088000 7087500 7087000 7086500 7086000 7085500

488000 488500 489000 489500 490000 490500 491000

Appendix 5 – Photos from August 6,7th 2016 Exploration Activities

Left: view of the historic Gold Hill shaft at E0490636 / N7090576 (NAD83). Note sunken timber, flagging tape denotes general orientation of the shaft. Samples taken from adjacent dump pile.

Left: cliff-side outcrop of quartzite (hanging wall) in contact with greenstone (footwall) oriented roughly 070º/-023º marked by a transverse 'Eagle -Flame & Moth type' sulphide-rich vein. This vein was characterized by coarse, euhedral sphalerite and pyrite with MnO-limonite staining on fractures and local, euhedral quartz and had an aplite dyke footwall. Swede pic for scale.

Right: example of vein material that was characterized by coarse-grained, euhedral pyrite +/- MnO-limonite staining on fractures and local, euhedral quartz. Rock hammer for scale.

Appendix 6 – Bureau Veritas Assay Certificates for the 2016 Sampling Program

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: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Submitted By: Debbie James
Receiving Lab: Canada-Whitehorse
Received: September 26, 2016
Report Date: November 09, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI16000308.2

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 90 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
FA430	11	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
FA530-Ag	11	Lead collection fire assay fusion - Grav finish	30	Completed	VAN
AQ270	11	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
SHP01	11	Per sample shipping charges for branch shipments			VAN
MA410	7	4 Acid Digestion 0.25 g/250 mL	0.25	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : MA410-Pb included.

Invoice To: Midnight Mining
Box 31347
Whitehorse Yukon Y1A 5P7
Canada

CC: Scott Petsel
Bill Harris

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.

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: November 09, 2016

CERTIFICATE OF ANALYSIS WHI16000308.2

	Method	WGHT	FA430	FA530	FA530	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppm	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	20	0.17	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
1501201	Rock	1.23	1.039	6284	1.07	<0.5	2342.5	>40000	7114	>1000	1.4	0.9	21869	10.45	74	1.6	<0.5	20	195.8	6074.6	<0.5
1501202	Rock	1.26	0.474	5015	0.53	<0.5	1233.7	>40000	13258	>1000	<0.5	0.6	720	0.28	36	<0.5	<0.5	<5	257.5	5651.4	5.2
1501203	Rock	2.41	1.176	6562	1.30	1.0	7944.0	32996.7	178336	>1000	4.3	6.1	68387	19.97	247	0.7	<0.5	26	3026.0	9460.1	0.8
1501204	Rock	1.29	0.027	58	<0.17	2.3	255.7	397.9	20141	57.9	13.7	4.6	123086	33.54	125	3.1	<0.5	102	368.4	280.9	<0.5
1501205	Rock	0.37	0.195	604	<0.17	1.3	328.3	>40000	22866	732.2	1.6	0.7	119088	28.45	207	0.5	<0.5	<5	729.4	800.1	<0.5
1501206	Rock	0.48	0.155	640	<0.17	1.5	761.9	9898.4	22192	728.2	8.5	6.1	159248	>40	35	1.8	<0.5	27	371.1	735.4	<0.5
1501207	Rock	0.29	0.271	886	0.27	1.2	371.8	>40000	6153	>1000	3.7	0.8	111484	33.87	126	0.6	<0.5	<5	118.8	994.9	<0.5
1501208	Rock	0.53	0.254	1314	0.26	1.3	1473.6	>40000	4391	>1000	9.2	2.9	117886	31.62	161	1.7	<0.5	32	105.5	1806.5	1.8
1501209	Rock	0.51	1.163	8807	1.58	<0.5	2581.6	>40000	376	>1000	<0.5	<0.5	303	0.11	27	0.8	<0.5	10	126.5	7617.0	<0.5
1501210	Rock	1.33	>10	370	10.62	1.1	178.7	>40000	619	415.2	0.5	<0.5	109	5.73	63291	18.8	1.7	11	335.7	48462.7	21.6
1501211	Rock	0.67	0.081	340	<0.17	1.5	247.3	2824.6	14125	351.1	11.7	3.7	153054	30.02	200	0.6	<0.5	15	283.9	347.1	<0.5

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: November 09, 2016

CERTIFICATE OF ANALYSIS WHI16000308.2

		Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	MA410
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Pb
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
		MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
1501201	Rock		<10	<0.01	<0.001	2.3	<0.5	0.01	20	<0.001	0.01	<0.01	<0.01	<0.5	1.53	<0.5	0.5	7.97	<5	4	57.49
1501202	Rock		<10	0.01	0.002	0.6	<0.5	<0.01	8	<0.001	0.03	<0.01	<0.01	<0.5	1.37	<0.5	1.7	13.29	<5	10	71.33
1501203	Rock		<10	0.25	0.004	1.0	0.9	0.64	15	<0.001	0.02	<0.01	<0.01	<0.5	32.24	6.3	<0.5	6.52	<5	8	
1501204	Rock		15	0.20	0.008	0.7	1.9	0.09	18	<0.001	0.04	<0.01	0.03	<0.5	0.16	25.4	<0.5	0.07	7	<2	
1501205	Rock		<10	0.10	0.002	8.8	<0.5	0.47	9	<0.001	0.03	<0.01	<0.01	<0.5	2.16	0.6	<0.5	2.27	<5	<2	6.69
1501206	Rock		<10	0.03	0.003	6.1	<0.5	<0.01	11	<0.001	0.06	<0.01	0.02	<0.5	1.52	3.0	<0.5	0.14	<5	5	
1501207	Rock		<10	0.05	0.004	1.3	<0.5	0.27	8	<0.001	0.02	<0.01	<0.01	<0.5	0.60	<0.5	<0.5	0.52	<5	<2	8.12
1501208	Rock		11	0.45	0.002	<0.5	0.7	0.77	<5	<0.001	<0.01	<0.01	<0.01	0.6	0.86	6.1	<0.5	1.16	<5	2	6.83
1501209	Rock		<10	<0.01	0.001	<0.5	<0.5	<0.01	22	<0.001	<0.01	<0.01	<0.01	<0.5	1.09	<0.5	0.7	12.69	<5	<2	58.51
1501210	Rock		<10	0.03	0.008	3.5	4.7	<0.01	66	<0.001	0.04	<0.01	0.02	<0.5	5.76	0.6	2.2	4.85	<5	43	12.13
1501211	Rock		13	0.72	<0.001	<0.5	<0.5	0.66	6	<0.001	0.02	<0.01	<0.01	<0.5	0.30	5.9	<0.5	0.10	10	<2	

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Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: November 09, 2016

QUALITY CONTROL REPORT WHI16000308.2

	Method	WGHT	FA430	FA530	FA530	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppm	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	20	0.17	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
Pulp Duplicates																					
1501205	Rock	0.37	0.195	604	<0.17	1.3	328.3	>40000	22866	732.2	1.6	0.7	119088	28.45	207	0.5	<0.5	<5	729.4	800.1	<0.5
REP 1501205	QC																				
1501207	Rock	0.29	0.271	886	0.27	1.2	371.8	>40000	6153	>1000	3.7	0.8	111484	33.87	126	0.6	<0.5	<5	118.8	994.9	<0.5
REP 1501207	QC		0.284																		
1501208	Rock	0.53	0.254	1314	0.26	1.3	1473.6	>40000	4391	>1000	9.2	2.9	117886	31.62	161	1.7	<0.5	32	105.5	1806.5	1.8
REP 1501208	QC																				
1501209	Rock	0.51	1.163	8807	1.58	<0.5	2581.6	>40000	376	>1000	<0.5	<0.5	303	0.11	27	0.8	<0.5	10	126.5	7617.0	<0.5
REP 1501209	QC			8714	1.33	<0.5	2625.2	>40000	364	>1000	<0.5	<0.5	304	0.11	29	0.8	<0.5	10	129.2	7879.2	<0.5
1501210	Rock	1.33	>10	370	10.62	1.1	178.7	>40000	619	415.2	0.5	<0.5	109	5.73	63291	18.8	1.7	11	335.7	48462.7	21.6
REP 1501210	QC																				
Reference Materials																					
STD AGPROOF	Standard			96	<0.17																
STD CCU-1D	Standard																				
STD CCU-1D	Standard																				
STD CZN-4	Standard																				
STD CZN-4	Standard																				
STD GBM398-4-AR	Standard					916.3	3950.8	11377.5	5208	49.4	4125.5	1946.7	5213	3.96	7	0.6	0.8	14	9.1	7.4	11.8
STD GBM398-4-AR	Standard					917.6	3897.1	11719.5	5241	47.5	4141.2	2035.5	5238	4.00	7	0.7	0.8	14	9.7	7.6	13.3
STD OREAS134B	Standard																				
STD OREAS927-AR	Standard					1.1	10718.6	235.9	715	3.9	30.0	29.5	1139	8.05	14	1.7	12.8	13	1.2	1.8	65.7
STD OREAS927-AR	Standard					1.0	10789.2	237.0	746	4.3	31.0	28.9	1176	8.19	16	1.8	13.5	14	1.2	1.4	67.9
STD OXD108	Standard		0.409																		
STD OXI121	Standard		1.764																		
STD OXN117	Standard		7.920																		
STD SP49	Standard			55	18.35																
STD SQ70	Standard			161	39.87																
STD AGPROOF Expected				94	0																
STD SP49 Expected				60.2	18.34																

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: November 09, 2016

QUALITY CONTROL REPORT WHI16000308.2

		Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	MA410
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Pb
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
		MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
Pulp Duplicates																					
1501205	Rock		<10	0.10	0.002	8.8	<0.5	0.47	9	<0.001	0.03	<0.01	<0.01	<0.5	2.16	0.6	<0.5	2.27	<5	<2	6.69
REP 1501205	QC																				6.77
1501207	Rock		<10	0.05	0.004	1.3	<0.5	0.27	8	<0.001	0.02	<0.01	<0.01	<0.5	0.60	<0.5	<0.5	0.52	<5	<2	8.12
REP 1501207	QC																				
1501208	Rock		11	0.45	0.002	<0.5	0.7	0.77	<5	<0.001	<0.01	<0.01	<0.01	0.6	0.86	6.1	<0.5	1.16	<5	2	6.83
REP 1501208	QC																				6.81
1501209	Rock		<10	<0.01	0.001	<0.5	<0.5	<0.01	22	<0.001	<0.01	<0.01	<0.01	<0.5	1.09	<0.5	0.7	12.69	<5	<2	58.51
REP 1501209	QC		<10	<0.01	0.001	0.6	<0.5	<0.01	22	<0.001	<0.01	<0.01	<0.01	<0.5	1.10	<0.5	0.7	12.79	<5	<2	
1501210	Rock		<10	0.03	0.008	3.5	4.7	<0.01	66	<0.001	0.04	<0.01	0.02	<0.5	5.76	0.6	2.2	4.85	<5	43	12.13
REP 1501210	QC																				12.25
Reference Materials																					
STD AGPROOF	Standard																				
STD CCU-1D	Standard																				0.27
STD CCU-1D	Standard																				0.28
STD CZN-4	Standard																				0.18
STD CZN-4	Standard																				0.20
STD GBM398-4-AR	Standard		31	0.35	0.019	2.6	1926.7	0.13	19	0.116	0.53	0.27	0.11	2.8	3.07	1.9	<0.5	0.96	<5	2	
STD GBM398-4-AR	Standard		18	0.34	0.018	2.7	1960.3	0.13	19	0.110	0.45	0.25	0.12	2.9	3.10	1.8	<0.5	0.93	<5	3	
STD OREAS134B	Standard																				13.34
STD OREAS927-AR	Standard		36	0.32	0.048	28.1	40.3	2.00	49	0.101	3.26	<0.01	0.27	6.0	0.12	4.2	<0.5	1.80	10	16	
STD OREAS927-AR	Standard		33	0.28	0.052	28.5	40.9	1.92	49	0.089	3.21	<0.01	0.31	4.4	0.18	4.9	<0.5	1.81	9	15	
STD OXD108	Standard																				
STD OXI121	Standard																				
STD OXN117	Standard																				
STD SP49	Standard																				
STD SQ70	Standard																				
STD AGPROOF Expected																					
STD SP49 Expected																					

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: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno

Report Date: November 09, 2016

QUALITY CONTROL REPORT WHI16000308.2

		WGHT Wgt kg 0.01	FA430 Au ppm 0.005	FA530 Ag gm/t 20	FA530 Au gm/t 0.17	AQ270 Mo ppm 0.5	AQ270 Cu ppm 0.5	AQ270 Pb ppm 0.5	AQ270 Zn ppm 5	AQ270 Ag ppm 0.5	AQ270 Ni ppm 0.5	AQ270 Co ppm 0.5	AQ270 Mn ppm 5	AQ270 Fe % 0.01	AQ270 As ppm 5	AQ270 U ppm 0.5	AQ270 Th ppm 0.5	AQ270 Sr ppm 5	AQ270 Cd ppm 0.5	AQ270 Sb ppm 0.5	AQ270 Bi ppm 0.5
STD SQ70 Expected				159.5	39.62																
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD GBM398-4-AR Expected						917	3919	11750	5345	48.7	4135	1950	5300	3.95	6	0.7	0.8	13	7.7	7.2	12.3
STD OREAS927-AR Expected						1.06	10715	232	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66
STD OREAS134B Expected																					
BLK	Blank			<20	<0.17																
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank					<0.5	<0.5	1.7	<5	<0.5	<0.5	<0.5	10	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	<20	<0.17	0.6	3.9	6.3	30	<0.5	0.9	4.0	502	1.86	<5	<0.5	2.3	28	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		<0.005	<20	<0.17	0.7	3.9	5.4	33	<0.5	<0.5	3.3	512	1.78	<5	0.5	2.6	33	<0.5	<0.5	<0.5

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno

Report Date: November 09, 2016

QUALITY CONTROL REPORT WHI16000308.2

		AQ270 V ppm 10	AQ270 Ca % 0.01	AQ270 P % 0.001	AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Tl ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	MA410 Pb % 0.01
STD SQ70 Expected																				
STD OXD108 Expected																				
STD OXN117 Expected																				
STD OXI121 Expected																				
STD GBM398-4-AR Expected		24	0.34	0.02	2.8	1950	0.12	21	0.111	0.48	0.25	0.11	3	3.21	1.79		0.94		3	
STD OREAS927-AR Expected		34	0.3	0.054	26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5	
STD OREAS134B Expected																				13.36
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	
BLK	Blank																			<0.01
BLK	Blank																			<0.01
BLK	Blank																			<0.01
Prep Wash																				
ROCK-WHI	Prep Blank	26	0.70	0.040	6.5	3.0	0.41	74	0.121	1.04	0.14	0.12	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	
ROCK-WHI	Prep Blank	24	0.75	0.041	7.0	3.5	0.43	88	0.123	1.21	0.21	0.15	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Submitted By: Debbie James
Receiving Lab: Canada-Whitehorse
Received: December 08, 2016
Report Date: January 06, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI16000437A.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 90 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
MA410	3	4 Acid Digestion 0.25 g/250 mL - Vancouver	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Midnight Mining
Box 31347
Whitehorse Yukon Y1A 5P7
Canada

CC: Scott Petsel
Bill Harris
Lauren Blackburn

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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Bureau Veritas Commodities Canada Ltd.

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: January 06, 2017

CERTIFICATE OF ANALYSIS WHI16000437A.1

		Method	MA410
		Analyte	Zn
		Unit	%
		MDL	0.01
1501151	Rock		1.49
1501152	Rock		1.17
1501153	Rock		2.47

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: January 06, 2017

QUALITY CONTROL REPORT WHI16000437A.1

		Method	MA410
		Analyte	Zn
		Unit	%
		MDL	0.01
Reference Materials			
STD CCU-1D	Standard		2.65
STD CPB-2	Standard		5.97
STD CZN-4	Standard		54.59
STD CCU-1D Expected			2.63
STD CZN-4 Expected			55.07
STD CPB-2 Expected			6.04
BLK	Blank		<0.01

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Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Submitted By: Debbie James
Receiving Lab: Canada-Whitehorse
Received: November 14, 2016
Report Date: December 02, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI16000437.1

CLIENT JOB INFORMATION

Project: Keno
Shipment ID:
P.O. Number
Number of Samples: 7

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 90 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	7	Crush, split and pulverize 250 g rock to 200 mesh			WHI
EN002	7	Environmental disposal charge-Fire assay lead waste			VAN
SHP01	7	Per sample shipping charges for branch shipments			VAN
BAT01	7	Batch charge of <20 samples			VAN
AQ250_EXT	7	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
FA630	7	30g fire assay, Au by AAS, Ag by grav	30	Completed	REN
MA410	3	4 Acid Digestion 0.25 g/250 mL - Vancouver	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Midnight Mining
Box 31347
Whitehorse Yukon Y1A 5P7
Canada

CC: Scott Petsel
Bill Harris
Lauren Blackburn

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: December 02, 2016

CERTIFICATE OF ANALYSIS WHI16000437.1

	Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1501151	Rock	0.99	2.27	413.76	>10000	>10000	>100000	41.7	14.6	>10000	23.01	2002.6	21.5	42.1	1.0	62.3	320.15	336.91	0.36	39	0.03
1501152	Rock	0.99	0.57	423.71	>10000	>10000	>100000	13.5	6.6	>10000	15.20	46.6	9.3	45.4	0.7	46.1	248.53	840.33	0.56	32	0.01
1501153	Rock	0.65	8.48	1092.12	>10000	>10000	>100000	57.5	17.2	>10000	29.36	685.2	11.4	104.5	0.3	98.1	693.17	1662.02	3.19	45	0.05
1501154	Rock	1.45	0.73	973.26	81.85	45.2	8505	188.7	699.4	243	28.82	2.9	<0.1	8.1	<0.1	6.9	0.82	3.55	0.32	<2	0.28
1501155	Rock	1.58	0.28	1057.35	166.21	37.9	6269	441.6	239.7	281	35.80	1.4	<0.1	5.0	<0.1	7.8	0.74	2.38	0.22	<2	0.29
1501156	Rock	1.08	0.60	1490.28	17.10	22.4	9963	192.7	1774.3	567	>40	0.2	<0.1	5.5	<0.1	52.6	0.26	1.52	0.47	<2	1.38
1501157	Rock	2.73	0.53	1608.28	19.28	18.8	11099	476.5	484.3	258	>40	3.0	0.2	4.8	<0.1	12.6	0.28	1.62	0.28	<2	0.47

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

Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: December 02, 2016

CERTIFICATE OF ANALYSIS WHI16000437.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1501151	Rock	0.022	2.4	3.1	0.03	136.0	<0.001	<20	0.17	0.003	0.05	0.3	3.9	0.32	0.10	1662	2.4	0.02	0.4	1.06	0.2
1501152	Rock	0.010	1.3	3.8	<0.01	24.8	<0.001	<20	0.05	0.002	0.03	0.1	4.5	0.23	0.10	1573	1.9	<0.02	0.7	0.57	0.1
1501153	Rock	0.014	<0.5	0.7	0.10	15.9	<0.001	<20	0.02	<0.001	0.01	0.1	4.7	0.44	2.15	1212	2.4	0.03	1.1	0.46	0.1
1501154	Rock	<0.001	<0.5	4.6	0.08	1.9	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.3	<0.02	>10	29	30.7	0.17	0.5	0.06	0.2
1501155	Rock	<0.001	2.7	1.4	0.11	1.7	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.4	<0.02	>10	18	24.9	0.13	0.4	0.08	0.2
1501156	Rock	<0.001	<0.5	4.5	0.47	1.7	<0.001	<20	<0.01	<0.001	<0.01	<0.1	1.3	<0.02	>10	39	42.6	0.25	0.4	<0.02	0.2
1501157	Rock	<0.001	<0.5	1.0	0.16	2.6	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.4	<0.02	>10	90	27.3	0.20	0.4	0.09	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: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: December 02, 2016

CERTIFICATE OF ANALYSIS WHI16000437.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA630	FA630	MA410
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au	Ag	Pb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005	20	0.01
1501151	Rock	0.05	0.02	5.1	14.3	<0.05	3.2	18.22	5.9	0.17	<1	<0.1	0.9	*	2	0.062	228.2	2.47
1501152	Rock	<0.02	0.02	3.0	9.0	<0.05	0.8	9.23	3.6	0.12	<1	<0.1	0.4	<10	<2	0.053	333.3	3.47
1501153	Rock	0.05	0.02	1.0	10.7	<0.05	5.0	14.81	2.0	0.24	<1	0.3	0.4	*	<2	0.043	1921.5	18.14
1501154	Rock	<0.02	0.07	<0.1	0.1	<0.05	0.2	1.02	0.3	<0.02	<1	<0.1	0.2	<10	<2	0.011	<20	
1501155	Rock	<0.02	0.04	<0.1	0.2	<0.05	<0.1	1.89	6.1	0.02	<1	<0.1	0.3	<10	3	0.039	46.7	
1501156	Rock	<0.02	0.09	<0.1	0.1	<0.05	0.1	6.16	1.1	0.03	1	<0.1	0.2	<10	<2	<0.005	50.5	
1501157	Rock	<0.02	0.04	<0.1	0.9	<0.05	<0.1	2.08	0.5	<0.02	<1	<0.1	0.3	26	<2	0.011	<20	

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Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno

Report Date: December 02, 2016

QUALITY CONTROL REPORT WHI16000437.1

	Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
1501151	Rock	0.99	2.27	413.76	>10000	>10000	>100000	41.7	14.6	>10000	23.01	2002.6	21.5	42.1	1.0	62.3	320.15	336.91	0.36	39	0.03
REP 1501151	QC																				
1501156	Rock	1.08	0.60	1490.28	17.10	22.4	9963	192.7	1774.3	567	>40	0.2	<0.1	5.5	<0.1	52.6	0.26	1.52	0.47	<2	1.38
REP 1501156	QC																				
Reference Materials																					
STD CCU-1D	Standard																				
STD CZN-4	Standard																				
STD DS10	Standard		13.90	152.01	165.05	364.9	1866	70.7	12.7	847	2.74	44.9	3.0	71.2	8.1	68.4	2.62	7.98	13.41	44	1.05
STD OREAS45EA	Standard		1.64	718.68	16.28	32.3	270	394.0	55.3	435	22.17	11.4	2.2	63.6	12.0	4.1	0.02	0.32	0.29	306	0.03
STD OXC129	Standard																				
STD OXC129	Standard																				
STD SP72	Standard																				
STD DS10 Expected			13.6	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65	43	1.0625
STD OREAS45EA Expected			1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036
STD OXC129 Expected																					
STD SP72 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.88	3.35	1.90	31.3	17	0.7	3.5	425	1.71	0.5	0.4	1.4	2.5	30.4	0.04	0.04	0.04	23	0.92

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Midnight Mining**
Box 31347
Whitehorse Yukon Y1A 5P7 Canada

Project: Keno
Report Date: December 02, 2016

QUALITY CONTROL REPORT WHI16000437.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																						
1501151	Rock		0.022	2.4	3.1	0.03	136.0	<0.001	<20	0.17	0.003	0.05	0.3	3.9	0.32	0.10	1662	2.4	0.02	0.4	1.06	0.2
REP 1501151	QC																					
1501156	Rock		<0.001	<0.5	4.5	0.47	1.7	<0.001	<20	<0.01	<0.001	<0.01	<0.1	1.3	<0.02	>10	39	42.6	0.25	0.4	<0.02	0.2
REP 1501156	QC																					
Reference Materials																						
STD CCU-1D	Standard																					
STD CZN-4	Standard																					
STD DS10	Standard		0.075	17.1	53.9	0.76	424.3	0.076	<20	1.02	0.069	0.33	3.1	2.7	5.57	0.29	304	2.1	5.06	4.5	2.69	<0.1
STD OREAS45EA	Standard		0.030	7.4	824.0	0.10	146.4	0.102	<20	3.44	0.025	0.06	<0.1	81.6	0.07	0.04	16	1.1	0.08	13.7	0.75	0.2
STD OXC129	Standard																					
STD OXC129	Standard																					
STD SP72	Standard																					
STD DS10 Expected			0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3	2.63	0.08
STD OREAS45EA Expected			0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4	0.71	0.26
STD OXC129 Expected																						
STD SP72 Expected																						
BLK	Blank		<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
ROCK-WHI	Prep Blank		0.040	5.2	2.6	0.40	68.1	0.088	<20	0.92	0.086	0.09	0.1	2.5	<0.02	<0.02	<5	<0.1	<0.02	4.2	0.11	<0.1

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QUALITY CONTROL REPORT WHI16000437.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA630	FA630	MA410
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au	Ag	Pb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	%
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005	20	0.01
Pulp Duplicates																		
1501151	Rock	0.05	0.02	5.1	14.3	<0.05	3.2	18.22	5.9	0.17	<1	<0.1	0.9	*	2	0.062	228.2	2.47
REP 1501151	QC																	2.47
1501156	Rock	<0.02	0.09	<0.1	0.1	<0.05	0.1	6.16	1.1	0.03	1	<0.1	0.2	<10	<2	<0.005	50.5	
REP 1501156	QC															0.008	51.5	
Reference Materials																		
STD CCU-1D	Standard																	0.27
STD CZN-4	Standard																	0.19
STD DS10	Standard	0.05	1.24	27.6	1.5	<0.05	2.4	7.35	35.2	0.24	47	0.4	21.8	102	185			
STD OREAS45EA	Standard	0.75	0.08	8.0	0.9	<0.05	24.8	5.39	19.0	0.11	<1	0.6	2.5	54	112			
STD OXC129	Standard															0.214	<20	
STD OXC129	Standard															0.205	<20	
STD SP72	Standard															>10	89.8	
STD DS10 Expected		0.06	1.25	27.7	1.6		2.2	7.77	37	0.23	50	0.63	19.4	110	191			
STD OREAS45EA Expected		0.68	0.09	7.5	0.83		23	5.09	17.7	0.08		0.41	2.37	66	108			
STD OXC129 Expected																0.205		
STD SP72 Expected																18.16	83	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2			
BLK	Blank																	<0.01
BLK	Blank															<0.005	<20	
BLK	Blank															<0.005	<20	
Prep Wash																		
ROCK-WHI	Prep Blank	0.16	0.20	2.7	0.4	<0.05	3.6	7.50	10.5	<0.02	<1	0.2	3.9	<10	<2	<0.005	<20	