



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: **Geological & Geochemical Work on the Black Bear East Project, Cariboo Mining Division, British Columbia**

TOTAL COST: **\$30,700.00**

AUTHOR(S): **Rein Turna**

SIGNATURE(S): **“SIGNED”**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **MX-10-155 & MX-10-228**

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): **5617168 (March 15, 2016 to September 1, 2016)**

YEAR OF WORK: **2016**

PROPERTY NAME: **Black Bear East Property**

CLAIM NAME(S) (on which work was done)

Black Bear East Property (tenure # 1038879)

COMMODITIES SOUGHT: **Copper, Lead, Zinc, Silver & Gold**

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: **N/K**

MINING DIVISION: **Cariboo**

LATITUDE **52.6°**

LONGITUDE **121.3°**

UTM Zone **10** EASTING **611940** NORTHING **5829565**

OWNER(S): **Barker Minerals Ltd.**

MAILING ADDRESS: **8384 Toombs Drive, Prince George BC, V2K 5A3**

OPERATOR(S) [who paid for the work]: **Barker Minerals Ltd.**

MAILING ADDRESS: **8384 Toombs Drive, Prince George BC, V2K 5A3**

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude **do not use abbreviations or codes**)

Barkerville Terrane, Silver & Gold

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

9669, 9677, 10252, 10264, 11620, 13154, 15420, 15804, 17696, 19354, 21930, 22599, 22642, 24662, 25752, 26003, 26504, 26805, 27125, 27655, 28248, 28978, 29740, 30764.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	N/A		
Photo interpretation	N/A		
GEOPHYSICAL (line-kilometres)			
Ground	N/A		
Magnetic	N/A		
Electromagnetic	N/A		
Induced Polarization	N/A		
Radiometric	N/A		
Seismic	N/A		
Other	N/A		
Airborne	N/A		
GEOCHEMICAL (number of samples analysed for ...)			
Soil	N/A		
Silt	N/A		
Rock	240	1038879	\$9,315.30
Other	N/A		
DRILLING (total metres, number of holes, size, storage location)			
Core	N/A		
Non-core	N/A		
RELATED TECHNICAL			
Sampling / Assaying	240	1038879	\$21,384.70
Petrographic	N/A		
Mineralographic	N/A		
Metallurgic	N/A		
PROSPECTING (scale/area)	N/A		
PREPATORY / PHYSICAL			
Line/grid (km)	N/A		
Topo/Photogrammetric (scale, area)	N/A		
Legal Surveys (scale, area)	N/A		
Road, local access (km)/trail	N/A		
Trench (number/metres)	N/A		
Underground development (metres)	N/A		
Other	N/A		
		TOTAL COST	\$30,700.00

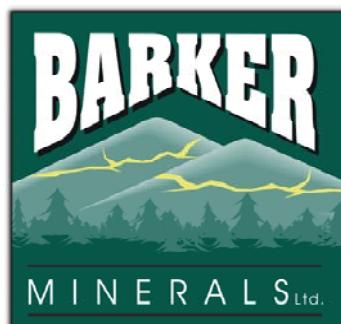
**GEOLOGICAL - GEOCHEMICAL
ASSESSMENT REPORT**

on the
Black Bear East Property
Cariboo Mining Division, British Columbia

The geographic coordinates of the Black Bear East property are:
52.6° North Latitude and 121.3° West Longitude or
611940 E and 5829565 N UTM coordinates (NAD 83).

The relevant map is:
N.T.S. Map No. 93A/11.

Work was concentrated in the area of tenure no. 1038879.



for

Barker Minerals Ltd.
8384 Toombs Drive
Prince George, B.C.
V2K 5A3

Prepared by:
Rein Turna

February 6, 2017

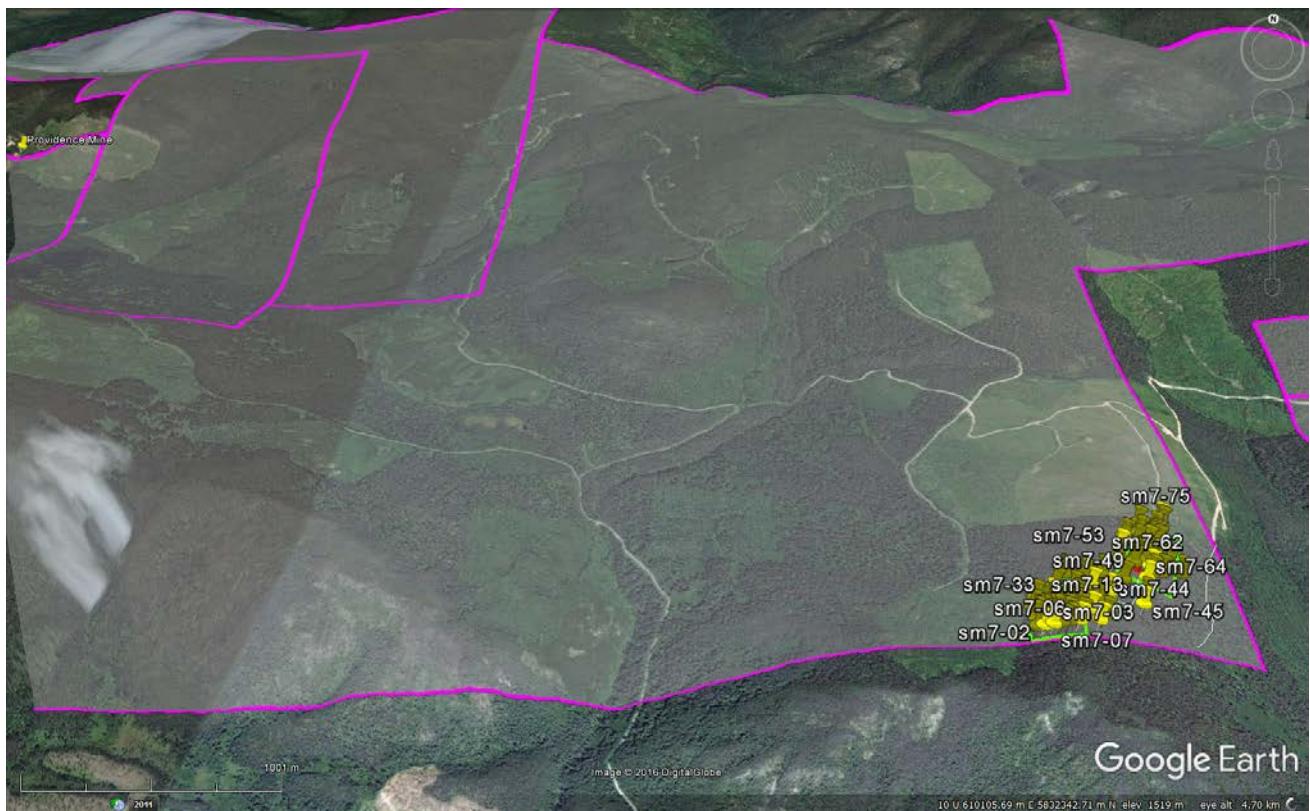


Figure No. 1 Black Bear East property. View is toward the north. The former Providence Mine is at upper left. Barker Mineral's claims are indicated. Below right is the area in Black Bear East where rock sampling was done in 2016. Access is from the south via the Black Bear Road or via the Spanish Creek Road from the east.

1.0 SUMMARY

Work performed on Barker Minerals Ltd.'s Black Bear East property consisted of rock sampling. 240 geochemical analyses were made of rocks collected in this program. This report describes the work done. Detailed maps and geochemical data are presented in Appendix H.

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2.0 INTRODUCTION

This report describes assessment work performed during the latter part of 2016 on Barker Minerals Ltd.'s Black Bear East property. The work was concentrated in the area of **tenure no. 1038879**. Rock and soil samples were analyzed by X-ray fluorescence (XRF) for multiple elements. The purpose was to add geochemical information to the existing database, and to identify potential mineralized lithologic horizons in an on-going mineral exploration program.

Definitions of technical terms used in this report are provided in Appendix A, Glossary of Technical Terms and Abbreviations. Chemical abbreviations are used for the elements discussed. The elements and abbreviations are:

Ag	Silver	Cd	Cadmium	K	Potassium
As	Arsenic	Co	Cobalt	Pb	Lead
Au	Gold	Cr	Chromium	Sb	Antimony
Ba	Barium	Cu	Copper	Sn	Tin
Bi	Bismuth	Fe	Iron	Zn	Zinc

3.0 PROPERTY DESCRIPTION and LOCATION

The Black Bear East property consists of contiguous claims listed in Appendix B – Barker Minerals Ltd. Mineral Claims Details. The property's location in British Columbia is indicated in Figure No. 2 – Black Bear East Property Location in British Columbia, and the mineral claims are outlined in Figure No. 3 – Barker Minerals Ltd. Mineral Claims. The mineral claims comprising the property are located generally in the area between Quesnel and Cariboo Lakes of the Cariboo Mining Division in British Columbia and are 100% owned by Barker Minerals Ltd. of Prince George, B.C. The property is approximately 15 km northeast of the settlement of Likely and 75 km northeast the City of Williams Lake. The City of Prince George is 175 km to the north.

The geographic coordinates of the Black Bear East property are:
52.6° North Latitude and 121.3° West Longitude or
611940 E and 5829565 N UTM coordinates (NAD 83).

The relevant map is:
N.T.S. Map No. 93A/11.

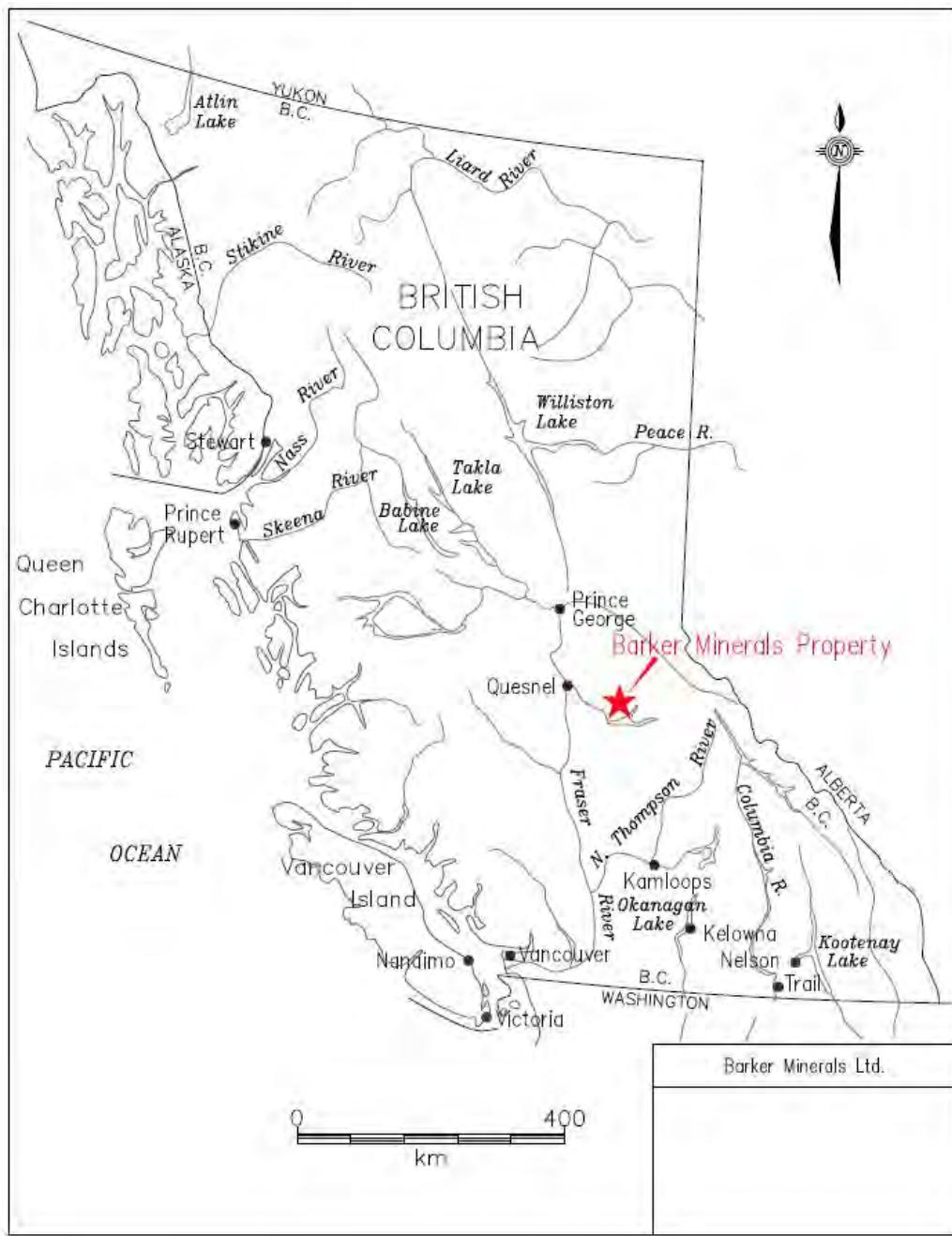
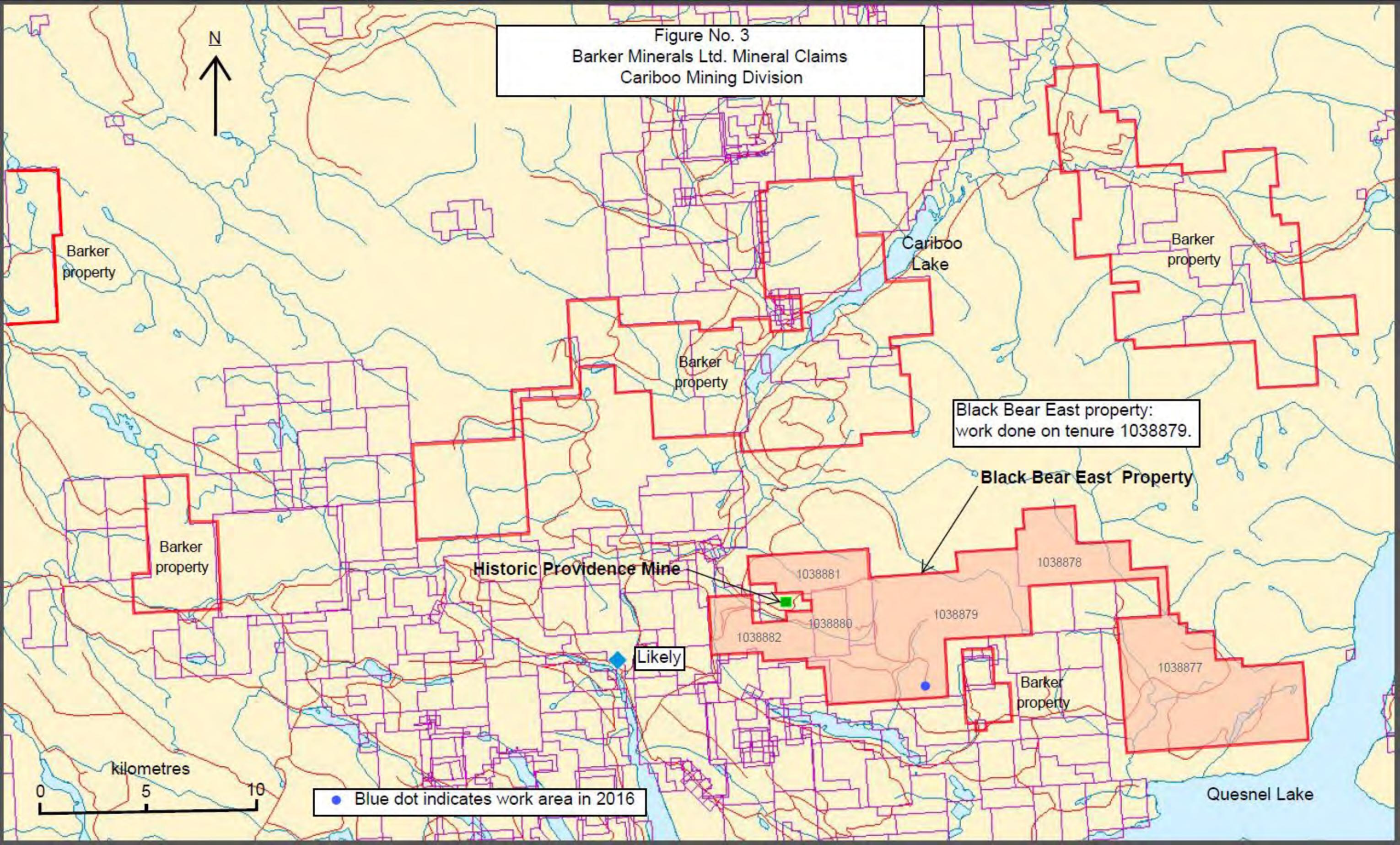


Figure No. 2 Barker Minerals Ltd. Black Bear East property location in British Columbia.

4.0 MINERAL CLAIMS

Details about the mineral claims are provided in Appendix B – Barker Minerals Ltd. Mineral Claims Details. Fig. No. 3 on the next page illustrates the configuration of the mineral claims relevant to this report.

Figure No. 3
Barker Minerals Ltd. Mineral Claims
Cariboo Mining Division



5.0 PHYSIOGRAPHY and ACCESSIBILITY

The following description in *italics*, is after McKinley, 2004:

The property is situated in the central part of the Quesnel Highland between the eastern edge of the Interior Plateau and the western foothills of the Columbia Mountains. This area contains rounded mountains that are transitional between the rolling plateaus to the west and the rugged Cariboo Mountains to the east. Pleistocene and Recent ice sheets flowed away from the high mountains to the east over these plateaus and down to the southwest (Cariboo River), west (Little River) and northeast (Quesnel Lake), carving U-shaped valleys. The elevation ranges from 700-1650 m.

Precipitation in the region is heavy, as rain in the summer and snow in the winter. Drainage is to the west via the Cariboo, Little and Quesnel Rivers to the Fraser River. Quesnel Lake, the main scenic and topographic feature in the region, is a deep, long, forked, glacier-carved lake with an outlet at 725 m elevation. Vegetation is old-growth spruce, fir, pine, hemlock and cedar forest in all but the alpine regions of the higher mountains (mainly above 1400 m elevation).

Access to the Black Bear East property is via gravel logging roads bearing northeast from Likely. Figure No. 4 shows access roads from Likely to Barker's mineral properties.

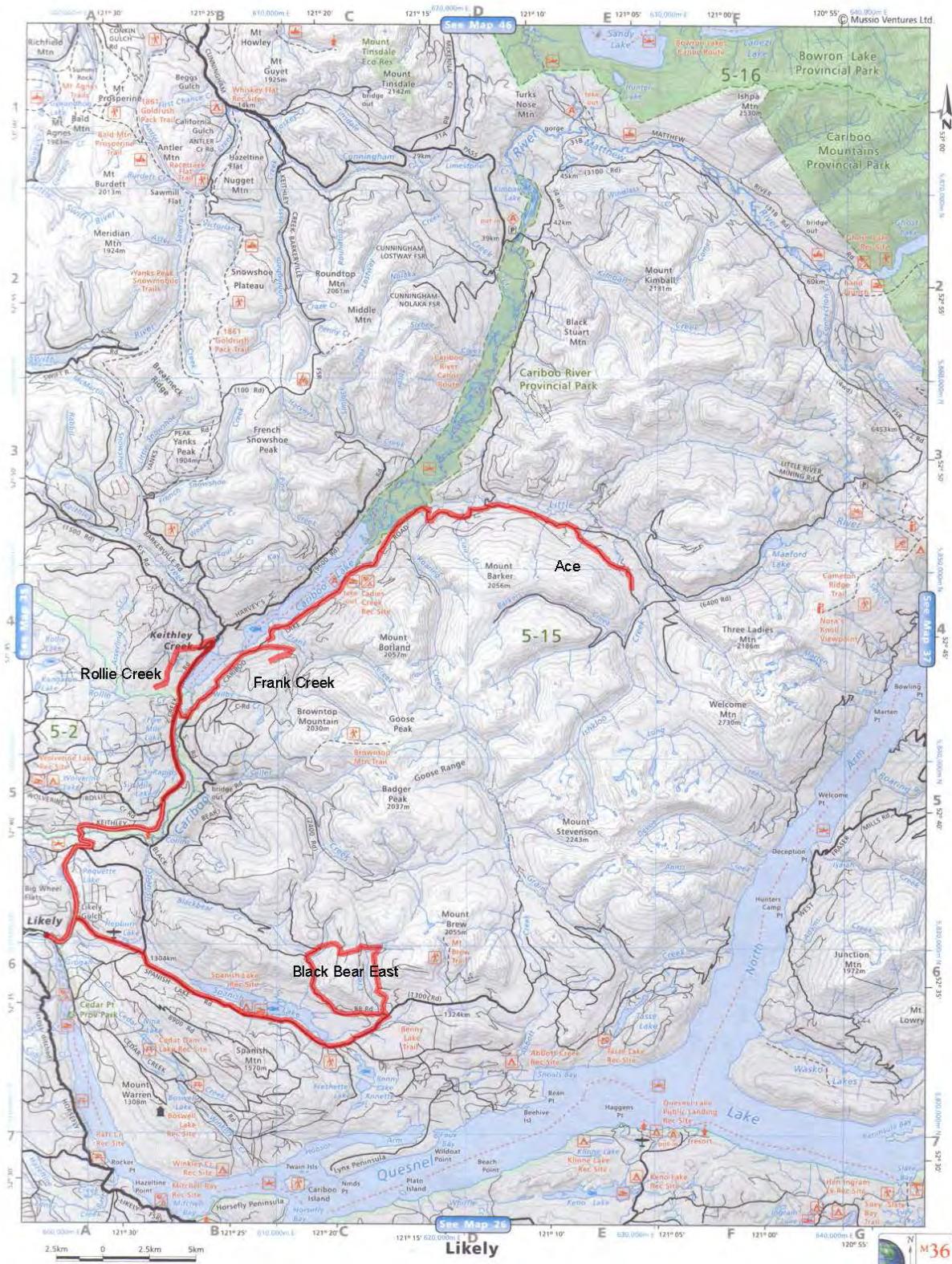


Figure No. 4 Access roads from Likely to several of Barker Minerals' properties.

6.0 HISTORY

6.1 History of Work Done on the Black Bear Property

The Black Bear property has an extensive work history. A detailed description is provided in assessment reports by Turna, R., and Doyle, L.E.

Some of the information below is from the Energy, Mines & Petroleum Resources (EMPR) Annual Reports for 1902, 1926, 1947, 1948, 1949 and Exploration in BC for 1976, 1977, 1980.

Placer mining for gold was conducted on Black Bear Creek in the early 1900's and earlier.

6.1.1 Work Done in 1926-1951

The Annual Report for 1926 for the Black Bear 1-4 claims states that 'many quartz showings', some of 'impressive size' were being handpicked of galena for the silver content. A quartz vein 'at least 50 feet wide' was identified at a falls in Black Bear Creek; from it a picked grab sample assayed 0.02 oz/T Au, 43 oz/T Ag, 40% Pb. Another wide vein was exposed in an open cut at 3,300 foot elevation on the north side of Black Bear Creek about 2 miles up from the mouth. 10 to 15 tons of ore were taken from here in 1926; a picked grab sample assayed 0.06 oz/T Au, 144 oz/T Ag, 76% Pb. Two adits were begun in 1926; by 1947 they totaled 190 feet of crosscuts and drifts exploring 3 vein structures; the property name was Providence by this time. In 1948 5 tons of ore sent to the Trail smelter yielded 319 oz. Ag, 3,294 lb. Pb, 12 lb. Zn. Exploration in 1976 to 1980 by successive owners included 200 soil samples, 5 diamond drill holes (355m) mainly targeting 3 quartz veins, and geological mapping.

6.1.2 Work Done in 1951-1968

R.B. Stokes (1972) states that in 1951 7 tons of handpicked ore from the main vein yielded 1 oz. Au, 683 oz. Ag, 6,401 lb. Pb and 15 lb. Zn. In 1967-68 Plutus Mines Ltd. drove 825 feet of tunnels to explore the 3 main Ag-Pb-bearing quartz veins. Stokes states that 11 underground diamond drill holes (2,217 feet) were done in 1968 but no record of this was found in the Minister of Mines Annual Reports or Assessment Reports.

Historical work programs done on areas presently covered by Barker Minerals' Black Bear property in 2010-2013 are briefly described below.

6.1.3 Work done 2010

The relevant report is Assessment Report 32209 by Doyle, L.E.

Twelve trenches (2,000 m) were excavated on the Black Bear Property. Quartz veins within alteration zones were discovered which had pockets of argentiferous (Ag) galena mineralization. A grab sample from near the former Providence Mine had 116 oz/ton Ag and 59% Pb. A 1.0 m chip sample at the Hunt vein had 34 oz/T Ag and 37.1% Pb.

6.1.4 Work Done in 2012

The relevant report is Assessment Report 33309 by Doyle, L.E.

Three drill holes (744 metres) were completed in 2012. Fifteen trenches were excavated. Work was concentrated near the former Providence Mine. The targets were extensions of Ag-Pb-Au bearing quartz veins known from surface exposures. Though no high grade mineralization was discovered, volcanic rock and hydrothermal alteration evident on core and trenches indicated continued exploration was warranted.

6.1.5 Work Done in 2013

The relevant report is Assessment Report 34331 by Turna, R., et al.

Thirty-eight soil and rock samples were collected and geological mapping was done in the area of Black Bear East. The final drill hole of the 2012 drill program at Black Bear was completed.

6.1.6 Work Done in 2015-2016

The relevant assessment reports by Turna, R. are , Assessment Report 36640, dated March 15, 2016 and Assessment Report 35945, dated May 1, 2016.

Re. Assessment Report 36640 (Main Group):

129 rocks were analyzed along traverses off roads in Areas A, B and C. Sample no. 4351 had 15.23 ppm Au in quartz in Area A. This sample was a new rock exposure on a newly constructed road spur. It was also anomalous in Zn (163 ppm), Cu (233 ppm) and Bi (29 ppm). Otherwise, the result were 1,368 ppm in Zn, 8,651 ppm in Cu and 6,892 in Pb. Mo (up to 143 ppm), As (up to 758 ppm), Bi (up to 32 ppm) were locally anomalous. Follow up rock and soil sampling were recommended.

Re. Assessment Report 35945 (Black Bear East):

192 rocks were analyzed along traverses off roads in Areas C, E and F. Highest results were: Zn (up to 1,341 ppm), Cu (up to 529 ppm), Pb (up to 927 ppm), As (up to 264 ppm), Bi (up to 38 ppm). Zn anomalies occurred more extensively.

7.0 GEOLOGY

7.1 Regional Geology

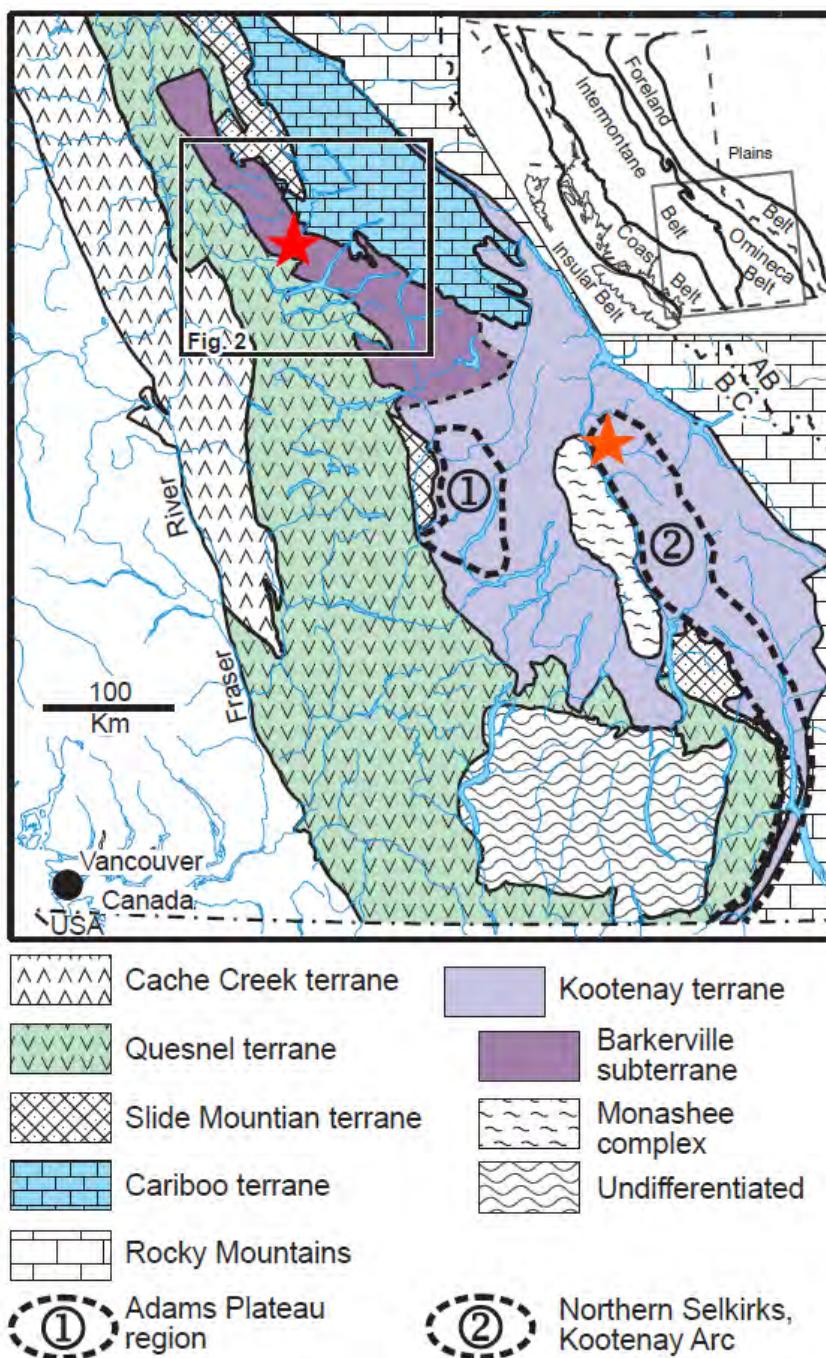


Figure No. 5 Terrane Map of Southern British Columbia. Barker Minerals' properties are indicated by the red star over the Barkerville subterrane. The brown star to the SE is the Barkerville Gold Mine Ltd.' Goldstream volcanogenic massive sulphide deposit. Map is from Ferri, F. & Schiarizza, P., 2006.

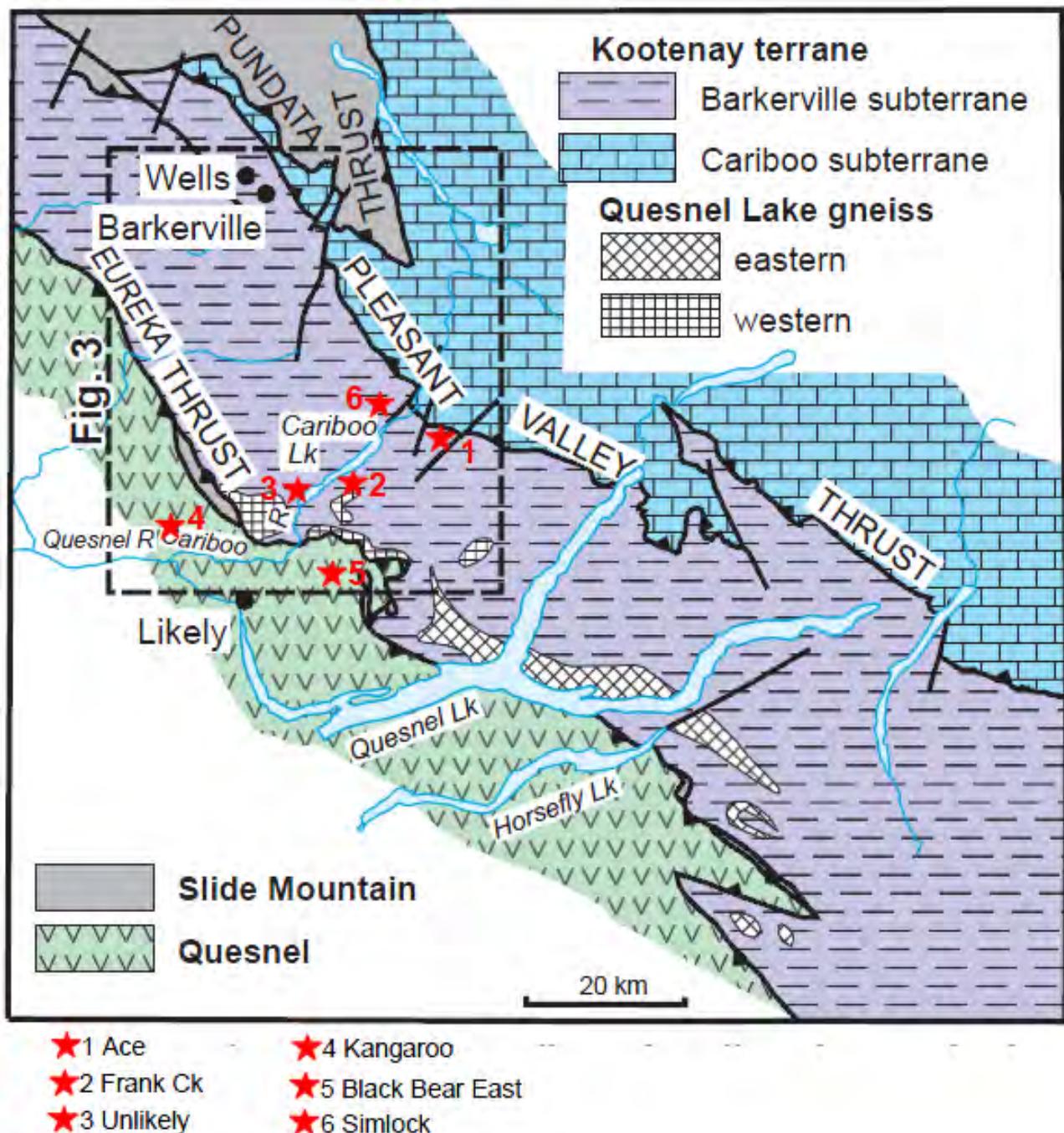


Figure No. 6 Terrane Map of Cariboo Lake – Wells Area. Several Barker Minerals' properties are indicated by red stars. Map is from Ferri, F. & Schiarizza, P., 2006.

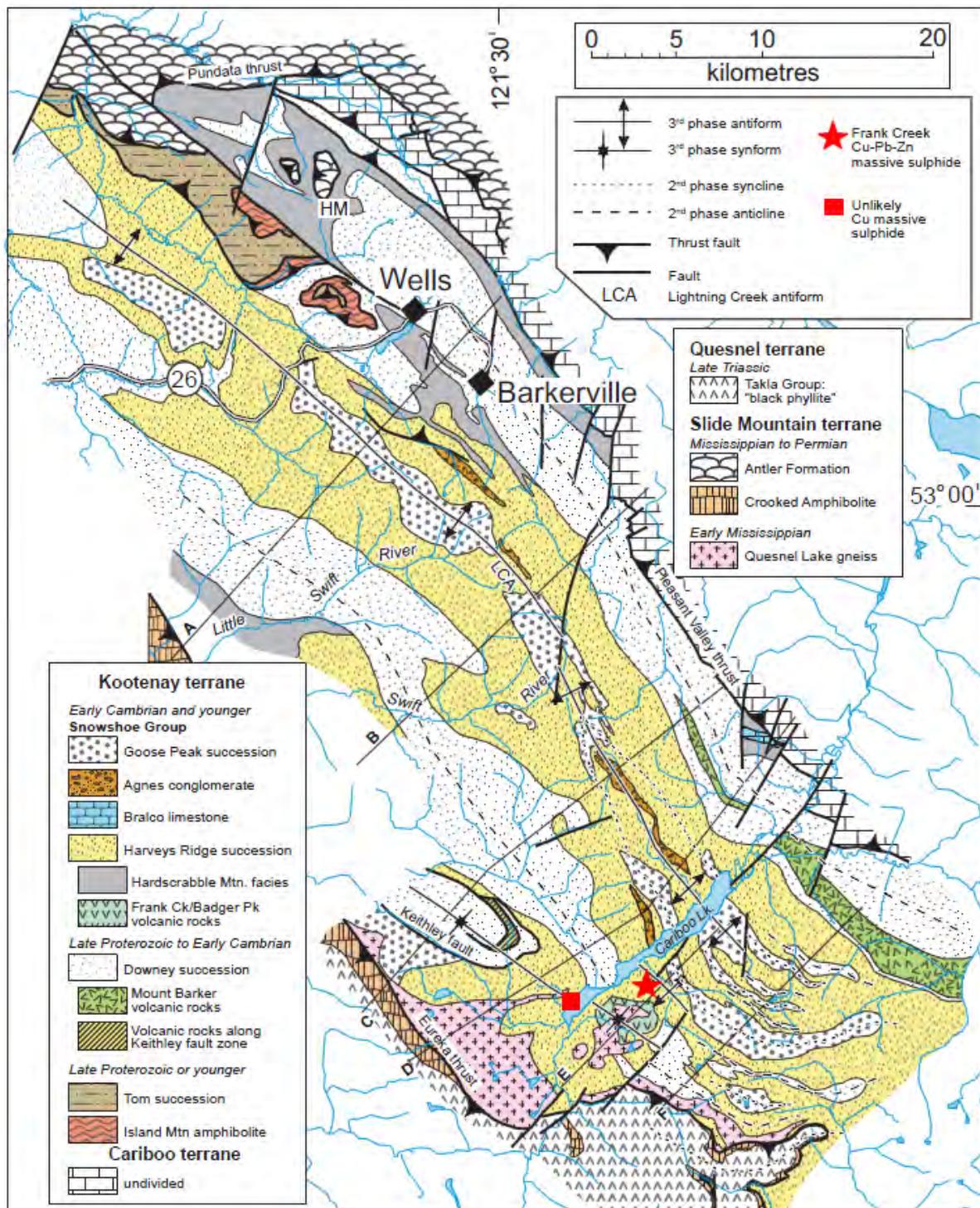


Figure No. 7 Geology of Wells-Cariboo Lake area. Highlighted on the BCGS map are Barker Minerals' Frank Creek and Unlikely massive sulphide prospects. The Harveys Ridge succession consists of siltstone, quartzite and the Frank Creek volcanics. Map is from Ferri, F. & Schiarizza, P., 2006.

The geological descriptions below derive mainly from Struik (1988), Panteleyev et al. (1996) and Payne and Perry (2001).

During the mid-Jurassic the North American continental plate collided with a group of island arcs to the west. Regional deformation and metamorphism are related to these events.

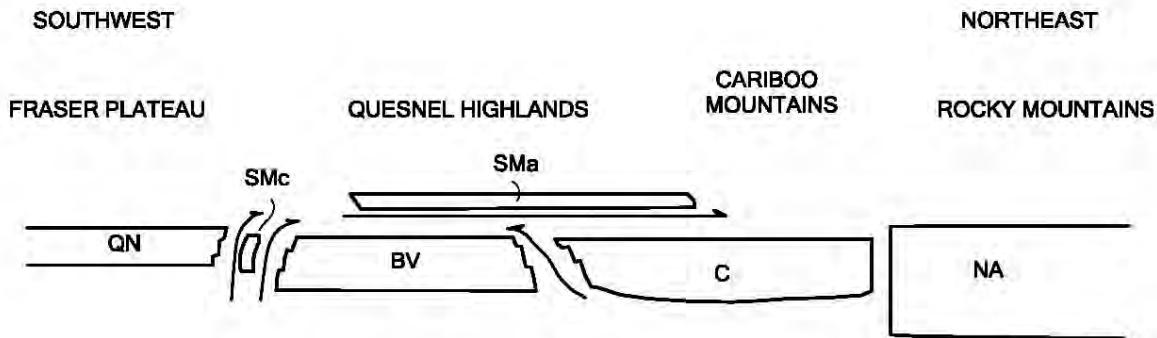


Figure No. 8 Schematic regional structural section from southwest to northeast across the four Terranes in Barker Minerals' claims area, showing the relative structural position of the Terranes. The Terrane symbols are BV-Barkerville, C-Cariboo, Sma-Slide Mountain (Antler Formation), SMC-Slide Mountain (Crooked amphibolite), QN-Quesnel and NA-North American. (after Struik, 1988).

Quesnel Terrane

The Late Triassic to Early Jurassic Quesnel Terrane...was accreted to the North American continent, in part by subduction and in part by obduction. The Eureka Thrust fault marks the boundary between the Quesnel and Barkerville terranes. The terrane is partly submarine and partly subaerial, consisting of volcanic and volcanioclastic rocks and co-magmatic intrusions, with minor carbonate lenses and related sedimentary rocks.

The principal assemblage in the Quesnel Terrane is the Triassic-Jurassic Nicola Group island arc – marginal basin sequence. The underlying rocks are the Crooked Amphibolite, part of the Slide Mountain assemblage, a mylonitized mafic and ultramafic unit of oceanic marginal basin volcanic and sedimentary rocks. Rocks of Quesnel Terrane and Crooked Amphibolite are structurally coupled and tectonically emplaced by the Eureka Thrust onto the Barkerville Terrane, to the east.

Two lithostratigraphic subdivisions of the Quesnel Terrane consists of: a basal Middle to Late Triassic metasedimentary unit of dominantly black phyllitic rocks, approximately 7 km thick, and an overlying Late Triassic to Early Jurassic volcanic arc assemblage, approximately 9 km thick. The overlying volcanic rocks outline a northwesterly trending belt of subaqueous and subaerial volcanic rocks, deposited along a series of volcanic-intrusive centres that define the Quesnel island arc of predominantly alkalic basalts.

Within...the northern extension of the Quesnel Trough, the term...Takla Group has been applied to rocks identical to the Quesnel belt rocks...Equivalent rocks to the south...are generally referred to as Nicola Group...Baily (1978) pointed out the similarity of the Quesnel volcanic units with both the Nicola Group rocks to the south and the Takla Group rocks to the north...The term Takla leads to ambiguity because in northern British Columbia it has been used for rocks in both Quesnel and Stikine terranes...The usage for the Triassic-Jurassic volcanic arc and related rocks in Quesnellia currently preferred is Nicola Group. The term Takla Group possibly should be discarded... (Panteleyev et al., (1996).

The Quesnel Trough is a well-mineralized region typical of other Late Triassic to Early Jurassic volcano-plutonic island arcs in the Cordillera. It hosts a wide variety of mineral deposits. The principal recent exploration and economic development targets in the central Quesnel belt are alkalic intrusion-related porphyry copper-gold deposits and gold-bearing propylitic alteration zones formed in volcanic rocks peripheral to some of the intrusions. Other important targets are auriferous quartz veins in the black phyllite metasedimentary succession. The veins in some black phyllite members have potential to be mined as large tonnage, low-grade deposits. Tertiary rocks are mineralized with copper and gold. Antimony-arsenic and mercury mineralization in some apparently low temperature quartz-calcite veins indicated the potential for epithermal deposits. Placer mining for gold, said to occur together with platinum, has been of major historical and economic importance.

Slide Mountain Terrane

Rocks of the Devonian to Late Triassic Slide Mountain Terrane were partly obducted, partly subducted during collision of an oceanic plate with the continent. Small slices of mainly mafic volcanic rocks and ultramafic rocks of the Slide Mountain Terrane occur in and parallel to the Eureka thrust. Minor lithologies include chert, meta-siltstone and argillite.

The Crooked Amphibolite, considered to likely be a part of the Slide Mountain Terrane, includes three major constituent rock types: greenstone, metagabbro and meta-ultramafite. North of Quesnel Lake, the map units consist of mafic metavolcanics, amphibolite, chlorite schist, serpentinite, ultramafic rocks and pillow lavas. Chemical analyses indicate subalkaline tholeiitic compositions of basalts formed on the ocean floor. If the Crooked Amphibolite is a sheared and metamorphosed equivalent of the Antler Formation and is part of the Slide Mountain Terrane, it is separated from the underlying Barkerville Terrane by the Eureka Thrust, a wide zone of mylonitization. The Crooked amphibolite and the overlying rocks of Quesnel Terrane are structurally coupled and emplaced tectonically onto Barkerville Terrane.

Barkerville Terrane

The Barkerville Terrane is made up of the Snowshoe Group and Quesnel Lake gneiss. The Snowshoe Group rocks are Upper Proterozoic to Upper Devonian metasediments, considered correlative in age with the Eagle Bay Formation in the Kootenay Terrane to the south. The Snowshoe Group rocks are dominated by varieties of grit, quartzite, pelite,

limestone and volcanioclastic rocks. The stratigraphic sequence is not well understood. The region was deformed by intense, complex, in part isoclinal folding and overturning. Locally, strong shear deformation produced mylonitic textures. The Quesnel Lake Gneiss is a Devonian to Mississippian intrusive unit varying in composition from diorite to granite to syenite. It is generally coarse grained, leucocratic, often with megacrysts of potassium feldspar. The main body of gneiss is 30 km long by 3 km wide and is elongated parallel to the eastern border of the Intermontane belt. Its contacts are in part concordant with, and in part perpendicular to, metamorphic layering.

The contact between the Barkerville Terrane and Cariboo Terrane to the east is the Pleasant Valley Thrust. The Barkerville and Cariboo Terranes were juxtaposed prior to emplacement of the Slide Mountain Terrane which was thrust over both of them. The northeastern third of the Barkerville Terrane is the main zone of economic interest in the Cariboo district. Struik described it as “gold-enriched”, because it contains the historic Wells and Barkerville gold mines and the Cariboo Hudson deposit, approximately 40 km and 20 km northwest of the project area, respectively.

Cariboo Terrane

The northeastern part of Barker Minerals’ ‘Peripheral’ claim group is underlain by Precambrian to Permo-Triassic marine peri-cratonic sedimentary strata of the Cariboo terrane. The Cariboo Terrane consists mainly of limestone and dolomite with lesser siliceous, clastic, sedimentary rocks and argillite. Some geologists believe that the Cariboo Terrane is a shallow, near-shore facies and the Barkerville is a deeper, offshore facies of the same erosion-deposition system. No rifting is suspected between the Cariboo Terrane and the North American continent, in contrast to that between the Barkerville Terrane and the North American continent. Lithologies within the Cariboo Terrane correlate well with parts of the Classier Platform and Selwyn Basin of Yukon and northern British Columbia.

The Cariboo and Barkerville Terranes are separated by the regional Pleasant Valley Thrust fault, which dips moderately to steeply northeast. Struik (1988) states the Cariboo block was thrust from the east over the Barkerville block along a strike length of over 100 km. The Cariboo Terrane was cut by the Jurassic-Cretaceous Little River stock, a medium-grained granodiorite grading to quartz monzonite. Some of the carbonate layers in the lowest part of the Cariboo terrane (or upper part of the Barkerville Terrane) are enriched in zinc and lead. Since the 1970's, preliminary exploration on stratiform Zn-Pb targets has been conducted in this area.

Glaciation and glacial deposits

The last glacial stage that affected the Quesnel Highland, the Fraser glaciation, began 30,000 years ago. Much of this ice had melted by 10,000 years ago, but small remnants are preserved high in the alpine areas of the Cariboo Mountains. At lower elevations, glaciers of this age scoured the debris left by preceding ice advances, almost completely destroying them, leaving a chaotic assemblage of unsorted till, moraine and drift, with lenses of gravel and sand that had been roughly sorted by melt water and rivers, leaving behind beds of silt and clay that were stratified by settlement in ice-dammed lakes. In the Cariboo area, the

debris covers bedrock in valleys below 1,700 m, leaving typical glacial features such as U-shaped valleys, ice-sculpted drumlins, moraine terraces and glacier and river benches. On the Barker Minerals properties, glacial deposits range from one to a few tens of metres thick. Some glacial till deposits are overlain by well-bedded glaciolacustrine clay and silt deposits up to a few tens of metres thick.

In much of the Cariboo district, a layer of distinctive, hard, compact, semi-rigid blue clay sits either on or slightly above bedrock and acts as “false” bedrock. It was formed from glacial drift left behind by the last ice advance prior to the Fraser glaciation and was compacted by the weight of the Fraser stage ice. In the placer-gold areas of the Cariboo, large amounts of gold were recovered from gravel resting on this clay. In places the clay layer was penetrated by the placer miners to reach richer “pay streaks” on true bedrock below.

7.2 Local Geology at Black Bear East Area

Barker Minerals is exploring the Black Bear East property for Au-quartz veins and polymetallic veins. The possibility of stratigraphically controlled disseminated gold mineralization (similar to the Spanish Mountain Gold Ltd. project 5.0 km to the southwest) is also considered. Though outcrop is sparse, the area of the property is underlain by dark sedimentary rocks and chloritic mafic volcanics. The economic target at Black Bear East is high grade Ag ± Au in quartz-galena veins hosted in sedimentary rocks.

8.0 EXPLORATION PROGRAM, 2016

8.1 Sampling Method and Approach

Rock samples were analyzed for multiple elements using the Niton XL3t handheld X-ray fluorescence analyzer from Thermo Scientific Inc. Further information on this instrument is at the Niton website <http://www.niton.com/en/niton-analyzers-products/xl3/xl3t>. An overview of sample analysis using energy dispersive X-ray fluorescence (EDXRF), adapted from the Niton website, is in Appendix C.

Most rock analyses were done at Barker Minerals’ field office in Likely. Coordinates were collected at all sample locations. The coordinates are provided in Table No. 1. The rocks were analyzed in a manner to determine both their “high grade” and “low grade” values at each site, in order to minimize a “nugget” effect and to determine background values. Quartz veins were also analyzed where they occurred. The XRF analysis method does not replace laboratory assay. It detects the presence or absence of multiple elements in prospecting and, up to a certain point, the intensity of mineralization and correlation among elements in a specimen. The XRF is very useful in analysis for base economic and pathfinder metals though Au needs to be in relatively high grade in order to be detected by the XRF. Altogether, 240 geochemical analyses were made.

8.2 Economic Targets and Work Done

Rock sampling was done over sub-outcrops and float. The economic target is gold-bearing quartz veins. Zn and Cu were considered the best pathfinder elements as these were frequently anomalous together over the entire samples area. Pb results were best between Sample Nos. 1894 and 1917 where Zn and Cu were also prominently anomalous. This area corresponds with the southern portion of the sampling area where parts of a sulphide-bearing quartz vein were observed in outcrop. Mo, As and Bi were relatively spottily anomalous though not extensively enough to act as pathfinders unless more samples are collected.

Zn and Cu results ranged up to 13,004 ppm for Zn and 17,285 ppm for Cu. Other pathfinder elements (Pb, Mo, As, Ag) were locally also highly anomalous, with values over 1,000 ppm. The highest results were from samples which included polymetallic quartz veins.

Sample No. 1920 had **11.96 ppm Au**. Sample No. 1971 had **10.24 ppm Au**. Sample No. 2065 had **10.15 ppm Au**. These three samples occurred in quartz veins in dark shale sub-outcrops over a distance of 550 m. No other elements had anomalous concentrations in these samples. Sample Nos. 1906 and 1907, of quartz in shale, had high values in Ag (3,650 and 2,351 ppm respectively). These two samples were also exceptionally high in Pb (205,393 and 167,902 ppm respectively) and high Zn (up to 4,997 ppm), Mo (up to 5,168 ppm), As (7,616 and 5,759 ppm respectively) and Bi (6,283 and 4,048 ppm respectively). The Au and Ag anomalous samples were collected over a 600 m x 300 m area with no obvious spatial zonation.

9.0 CONCLUSIONS

Gold (up to 11.96 ppm Au) and silver (up to 3,650 ppm Ag) occurred associated with quartz veins in dark shales. The gold-bearing veins did not appear to include any pathfinder metallic elements. The silver-bearing veins were also highly anomalous in Pb, Zn, Mo, As and Bi. The apparent occurrence of gold with no pathfinder elements and silver occurring with many pathfinders suggests these precious metals are associated with different hydrothermal systems of different ages. It is possible that separate, Au and Ag, hydrothermal systems overlap spatially in the sampled area. More intensive sampling and geological mapping are required to sort out the metals' occurrence, zonation and extent.

10.0 RECOMMENDATIONS

More extensive and systematic soil and rock sampling should be done over Black Bear East in the areas of quartz occurrences in the sedimentary rocks.

APPENDIX A

Glossary of Technical Terms and Abbreviations

Glossary of Technical Terms and Abbreviations

Anomalous	Chemical and mineralogical changes and higher than typical background values in elements in a rock resulting from reaction with hydrothermal fluids or increase in pressure or temperature.
Anomaly	The geographical area corresponding to anomalous geochemical or geophysical values.
Argentiferous	Containing silver.
Background	The typical concentration of an element or geophysical response in an area, generally referring to values below some threshold level, above which values are designated as anomalous.
BBE	Black Bear East property.
BCGS	British Columbia Geological Survey.
B.C. MEMPR	British Columbia Ministry of energy Mines and Petroleum Resources.
cm	Centimetre.
Cratonic	Pertaining to a craton, an old part of the continental crust, generally making up the interior portion of a continent such as North America.
DCIP	An electrical method which uses the injection of current and the measurement of voltage and its rate of decay to determine the subsurface resistivity and chargeability.
DDH	Diamond drill hole.
eg.	<i>exemplī grātiā</i> (for the sake of example).
EM	Electromagnetic.
E-W	East-West.
Float	Loose rocks or boulders; the location of the bedrock source is not known.
GBC	Geoscience BC.
GSC	Geological Survey of Canada.

Grab sample	A sample of a single rock or selected rock chips collected from within a restricted area of interest.
g/t	Grams per tonne (metric tonne). 34.29 g/t (metric tonnes) = 1.00 oz/T (short tons).
Ha	Hectare - an area totalling 10,000 square metres, e.g., an area 100 metres by 100 metres.
HLEM	Horizontal loop electromagnetic.
IP	Induced polarization.
km	Kilometre.
lb.	Pound.
Leucocratic	Light-coloured.
m	Metre.
Max-Min	An HLEM technique to test for resistivity and conductivity of rocks.
MT	Magnetotelluric. A electrical method that uses natural variations in the Earth's magnetic field to induce electric current in the ground to determine the subsurface resistivity.
my	Million years.
NE-SW	Northeast-Southwest.
NNW-SSE	North northwest – South southeast.
NW	Northwest.
NW-SE	Northwest - Southeast.
N-S	North-South.
OF	Open File.
oz.	Ounce.
oz/T	ounces per ton (Imperial measurement).

	34.29 g/t (metric tonnes) = 1.00 oz/T (short tons).
oz/st	ounces per short ton (Imperial measurement, same as oz/T). 34.29 g/t (metric tonnes) = 1.00 oz/st (short tons).
ppb	Parts per billion.
ppm	Parts per million (1 ppm = 1,000 ppb = 1 g/t).
Protolith	The original rock before it was metamorphosed.
QUEST	Quesnellia Exploration Strategy, a BCGS geophysical survey.
Sedex	Sedimentary-exhalative mineral deposit type.
SE	Southeast.
TEM or TDEM	Time Domain EM.
Tensor-magnetotelluric	See MT.
Tholeiitic	A type of basalt. The most common volcanic rocks on Earth, produced by submarine volcanism at mid-ocean ridges and make up much of the ocean crust. Chemically, these basalts have been described as subalkaline, that is, they contain less (Na ₂ O plus K ₂ O) at similar SiO ₂ than alkali basalt.
TRIM	Terrain Resource Information Management, series of 1:20,000 scale maps.
VLF	Very low frequency.
VLF-EM	Very low frequency electromagnetic.
VMS	Volcanic-related massive sulphide.
XRF	X-ray florescence.

APPENDIX B

Barker Minerals Ltd. Mineral Claims Details

Mineral Claim
Tenure Nos.

1038877
1038878
1038879
1038880
1038881
1038882

Barker Minerals Ltd. is the owner (100%) of all the claims.

<u>Tenure No.</u>	<u>Status</u>	<u>Area (ha)</u>
1038877	Good to 2017/SEP/15	4517.58
1038878	Good to 2017/SEP/15	1687.54
1038879	Good to 2017/SEP/15	4337.34
1038880	Good to 2017/SEP/15	549.50
1038881	Good to 2017/SEP/15	1412.36
1038882	Good to 2017/SEP/15	<u>1177.51</u>
Total Area (ha) 13,681.83		

Table No. 1 Mineral Claims.

APPENDIX C

Analytical Methods

Overview of sample analysis using energy dispersive X-ray fluorescence using the Thermo Scientific Niton XL3t handheld XRF analyzer

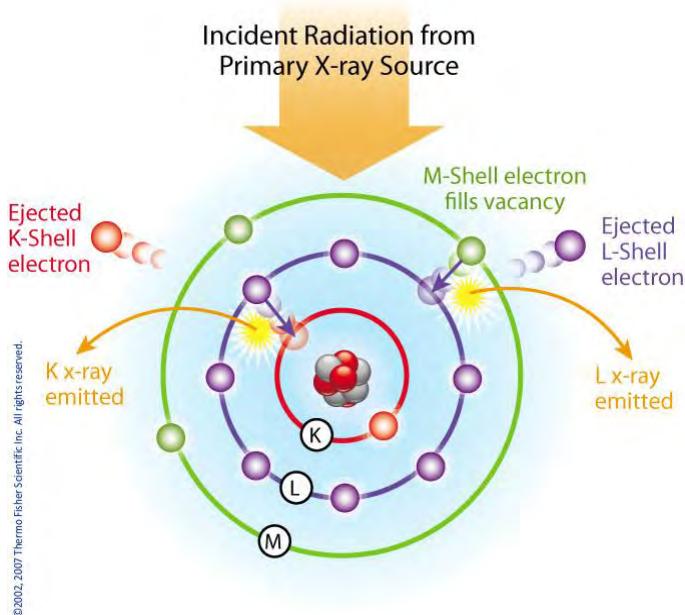
Thermo Scientific portable energy-dispersive x-ray fluorescence (EDXRF) analyzers, commonly known as XRF analyzers, can quickly and nondestructively determine the elemental composition of metal and precious metal samples of rocks, ore and soil.

Up to 40 elements may be analyzed simultaneously by measuring the characteristic fluorescence x-rays emitted by a sample. XRF analyzers can quantify elements ranging from magnesium (Mg - element 12) through uranium (U - element 92) and measure x-ray energies from 1.25 keV up to 85 keV in the case of Pb K-shell fluorescent x-rays excited with a ^{109}Cd isotope. These instruments also measure the elastic (Raleigh) and inelastic (Compton) scatter x-rays emitted by the sample during each measurement to determine, among other things, the approximate density and percentage of the light elements in the sample.

Elemental Analysis - A Unique Set of Fingerprints

How does XRF work? Each of the elements present in a sample produces a unique set of characteristic x-rays that is a "fingerprint" for that specific element. XRF analyzers determine the chemistry of a sample by measuring the spectrum of the characteristic x-ray emitted by the different elements in the sample when it is illuminated by x-rays. These x-rays are emitted either from a miniaturized x-ray tube, or from a small, sealed capsule of radioactive material.

1. A fluorescent x-ray is created when an x-ray of sufficient energy strikes an atom in the sample, dislodging an electron from one of the atom's inner orbital shells.
2. The atom regains stability, filling the vacancy left in the inner orbital shell with an electron from one of the atom's higher energy orbital shells.
3. The electron drops to the lower energy state by releasing a fluorescent x-ray, and the energy of this x-ray is equal to the specific difference in energy between two quantum states of the electron.



Atom emits characteristic X-rays when illuminated by x-rays from a primary source.

When a sample is measured using XRF, each element present in the sample emits its own unique fluorescent x-ray energy spectrum. By simultaneously measuring the fluorescent x-rays emitted by the different elements in the sample, the Thermo Scientific portable XRF analyzers can rapidly determine those elements present in the sample and their relative concentrations - in other words, the elemental chemistry of the sample.



Overview of the Thermo Scientific Niton XL3t handheld XRF analyzer.

APPENDIX D

REFERENCES

REFERENCES

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<http://minfile.gov.bc.ca/Summary.aspx?minfilno=093A%20%20003>

APPENDIX E

STATEMENT of AUTHOR'S QUALIFICATIONS

Statement of Author's Qualifications

I, Rein Turna, of the City of West Vancouver, British Columbia, hereby certify that:

1. I am Vice President of Exploration of Barker Minerals Ltd.
2. I am a graduate of the University of British Columbia with a B.Sc. in Geological Sciences granted in 1975.
3. I am a registered member of the Professional Engineers and Geoscientists of British Columbia.
4. I have worked as a geologist in British Columbia, Saskatchewan, Ontario, Yukon and Northwest Territories in Canada since 1975.
5. I carried out or supervised work described in this report.

R. Turna, P.Geo.

February 2, 2017

APPENDIX F

STATEMENT of EXPENDITURES

Barker Minerals Ltd.

Work was completed between March 15, 2016 and September 1, 2016

Work was done on claim # 1038879

Event # 5617168

Black Bear East Property - Geological - Office

Louis Doyle

Planning, managing & interpretation	1	\$ 600.00	\$ 600.00
Room & board	1	\$ 150.00	\$ 150.00

Rein Turna - Geologist

Report writing, maps and managing	5	\$ 600.00	\$ 3,000.00
Room & board	5	\$ 150.00	\$ 750.00

Colleen Doyle

Report compilation and filing	1	\$ 350.00	\$ 350.00
Room & board	1	\$ 150.00	\$ 150.00

\$ 5,000.00

Black Bear East Property - Geochemical - Field Days

	Date	Days	Rate	Subtotal
Louis Doyle - Rock sampling - SM7 - Vein A				
Rock collection - SM7 - Vein A	June 4, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein A	June 5, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein A	June 6, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		3	\$ 150.00	\$ 450.00
Vehicle & gas (day rate)		3	\$ 150.00	\$ 450.00

Louis Doyle - Rock sampling - SM7 - Vein B

Rock collection - SM7 - Vein B	June 7, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein B	June 8, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein B	June 9, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		3	\$ 150.00	\$ 450.00
Vehicle & gas (day rate)		3	\$ 150.00	\$ 450.00

Louis Doyle - Rock sampling - SM7 - Vein C & D

Rock collection - SM7 - Vein C & D	June 10, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein C & D	June 11, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		2	\$ 150.00	\$ 300.00
Vehicle & gas (day rate)		2	\$ 150.00	\$ 300.00

Barker Minerals Ltd.

Work was completed between March 15, 2016 and September 1, 2016

Work was done on claim # 1038879

Event # 5617168

Black Bear East Property - Geochemical - Field Days - (continued)

	Date	Days	Rate	Subtotal
Brian Hall - Rock sampling - SM7 - Vein A				
Rock collection - SM7 - Vein A	June 4, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein A	June 5, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein A	June 6, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		3	\$ 150.00	\$ 450.00
Brian Hall - Rock sampling - SM7 - Vein B				
Rock collection - SM7 - Vein B	June 7, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein B	June 8, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein B	June 9, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		3	\$ 150.00	\$ 450.00
Brian Hall - Rock sampling - SM7 - Vein C & D				
Rock collection - SM7 - Vein C & D	June 10, 2016	1	\$ 600.00	\$ 600.00
Rock collection - SM7 - Vein C & D	June 11, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		2	\$ 150.00	\$ 300.00
Louis Doyle - Sample prep & descriptions				
Rock sample preparation & description	June 12, 2106	1	\$ 600.00	\$ 600.00
Rock sample preparation & description	June 13, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		2	\$ 150.00	\$ 300.00
Brian Hall - XRF operator				
XRF Analysis	June 12, 2106	1	\$ 600.00	\$ 600.00
XRF Analysis	June 13, 2016	1	\$ 600.00	\$ 600.00
XRF Analysis	June 14, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		3	\$ 150.00	\$ 450.00
XRF rental				
		10	\$ 200.00	\$ 2,000.00
				\$ 18,950.00

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Barker Minerals Ltd.

Work was completed between March 15, 2016 and September 1, 2016

Work was done on claim # 1038879

Event # 5617168

Black Bear East Property - Travel to/from

Louis Doyle

Travel to/from	June 3, 2016	1	\$ 600.00	\$ 600.00
Travel to/from	June 15, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		2	\$ 150.00	\$ 300.00
Vehicle & gas (day rate)		2	\$ 150.00	\$ 300.00

Brian Hall

Travel to/from	June 3, 2016	1	\$ 600.00	\$ 600.00
Travel to/from	June 15, 2016	1	\$ 600.00	\$ 600.00
Room & Board (day rate)		2	\$ 150.00	\$ 300.00
Vehicle & gas (day rate)		2	\$ 150.00	\$ 300.00
Sub-total			\$ 3,600.00	

Black Bear East Property - Miscellaneous Expenditures

Exploration supplies & equipment

Safety equipment (MTC), exploration supplies & equipment, communication devices & quad

Exploration supplies & equipment			\$ 675.00
Quad Rental	8	\$ 100.00	\$ 800.00
MTC rental	10	\$ 150.00	\$ 1,500.00
Communication devices			
Hand held radios	7	\$ 7.00	\$ 49.00
Satelite phones	7	\$ 12.00	\$ 84.00
Spot emergency locators	7	\$ 6.00	\$ 42.00
Sub-total			\$ 3,150.00

Black Bear East Property Expenditure Summary

Geological - Office	Sub-total	\$ 5,000.00
Geochemical - Field Days	Sub-total	\$ 18,950.00
Travel to/from	Sub-total	\$ 3,600.00
Misc. Expenditures	Sub-total	\$ 3,150.00
Total		\$ 30,700.00

APPENDIX G

ROCK SAMPLE DESCRIPTIONS AND COORDINATES

Table No. 1
Sample Coordinates and Descriptions

<u>XRF No.</u>	<u>Field No.</u>	<u>Fig. No. / Area</u>	<u>Type</u>	<u>Easting</u>	<u>Northing</u>	<u>XRF Target and Description</u>	<u>Comment</u>	<u>Magnetic</u>
<u>XRF Target Features</u>								
						1 = sample of main mass	4 = sulphide band	
						2 = quartz vein	5 = rusty, altered	
						3 = sulphide bleb	6 = other	
Black Bear East Rock Sampling								
1870	sm7-1	Fig. 10 / Area 7km	Rock	613344	5828172	1 black shale qv oc/sub outcrop		N
1871	sm7-1a	Fig. 10 / Area 7km	Rock	613344	5828172	1 black shale qv oc/sub outcrop		N
1872	sm7-1b	Fig. 10 / Area 7km	Rock	613344	5828172	1 black shale qv oc/sub outcrop		N
1873	sm7-2	Fig. 10 / Area 7km	Rock	613368	5828173	1 black shale qv oc/sub outcrop		N
1874	sm7-2a	Fig. 10 / Area 7km	Rock	613368	5828173	1 black shale qv oc/sub outcrop		N
1875	sm7-2b	Fig. 10 / Area 7km	Rock	613368	5828173	1 black shale qv oc/sub outcrop		N
1876	sm7-3	Fig. 10 / Area 7km	Rock	613401	5828175	1 black shale qv oc/sub outcrop		N
1877	sm7-3a	Fig. 10 / Area 7km	Rock	613401	5828175	1 black shale qv oc/sub outcrop		N
1878	sm7-3b	Fig. 10 / Area 7km	Rock	613401	5828175	1 black shale qv oc/sub outcrop		N
1879	sm7-4	Fig. 10 / Area 7km	Rock	613432	5828182	1 black shale qv oc/sub outcrop		N
1880	sm7-4a	Fig. 10 / Area 7km	Rock	613432	5828182	1 black shale qv oc/sub outcrop		N
1881	sm7-4b	Fig. 10 / Area 7km	Rock	613432	5828182	1 black shale qv oc/sub outcrop		N
1882	sm7-5	Fig. 10 / Area 7km	Rock	613460	5828187	1 black shale qv oc/sub outcrop		N
1883	sm7-5a	Fig. 10 / Area 7km	Rock	613460	5828187	1 black shale qv oc/sub outcrop		N
1884	sm7-5b	Fig. 10 / Area 7km	Rock	613460	5828187	1 black shale qv oc/sub outcrop		N
1885	sm7-6	Fig. 10 / Area 7km	Rock	613496	5828188	1 black shale qv oc/sub outcrop		N
1886	sm7-6a	Fig. 10 / Area 7km	Rock	613496	5828188	1 black shale qv oc/sub outcrop		N
1887	sm7-6b	Fig. 10 / Area 7km	Rock	613496	5828188	1 black shale qv oc/sub outcrop		N
1888	sm7-7	Fig. 10 / Area 7km	Rock	613569	5828190	1 black shale qv oc/sub outcrop		N
1889	sm7-7a	Fig. 10 / Area 7km	Rock	613569	5828190	1 black shale qv oc/sub outcrop		N
1890	sm7-7b	Fig. 10 / Area 7km	Rock	613569	5828190	1 black shale qv oc/sub outcrop		N
1891	sm7-8	Fig. 10 / Area 7km	Rock	613597	5828221	1 black shale qv oc/sub outcrop		N
1892	sm7-8a	Fig. 10 / Area 7km	Rock	613597	5828221	1 black shale qv oc/sub outcrop		N
1893	sm7-8b	Fig. 10 / Area 7km	Rock	613597	5828221	1 black shale qv oc/sub outcrop		N
1894	sm7-9	Fig. 10 / Area 7km	Rock	613348	5828211	1 black shale qv oc/sub outcrop		N
1895	sm7-9a	Fig. 10 / Area 7km	Rock	613348	5828211	1 black shale qv oc/sub outcrop		N
1896	sm7-9b	Fig. 10 / Area 7km	Rock	613348	5828211	1 black shale qv oc/sub outcrop		N

Table No. 1
Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description	Comment	Magnetic
1897	sm7-10	Fig. 10 / Area 7km	Rock	613407	5828205	1 black shale qv oc/sub outcrop		N
1898	sm7-10a	Fig. 10 / Area 7km	Rock	613407	5828205	1 black shale qv oc/sub outcrop		N
1899	sm7-10b	Fig. 10 / Area 7km	Rock	613407	5828205	1 black shale qv oc/sub outcrop		N
1900	sm7-11	Fig. 10 / Area 7km	Rock	613457	5828216	1 black shale qv oc/sub outcrop		N
1901	sm7-11a	Fig. 10 / Area 7km	Rock	613457	5828216	1 black shale qv oc/sub outcrop		N
1902	sm7-11b	Fig. 10 / Area 7km	Rock	613457	5828216	1 black shale qv oc/sub outcrop		N
1903	sm7-12	Fig. 10 / Area 7km	Rock	613505	5828212	1 black shale qv oc/sub outcrop		N
1904	sm7-12a	Fig. 10 / Area 7km	Rock	613505	5828212	1 black shale qv oc/sub outcrop		N
1905	sm7-12b	Fig. 10 / Area 7km	Rock	613505	5828212	1 black shale qv oc/sub outcrop		N
1906	sm7-13	Fig. 11 / Details 1,2	Rock	613549	5828246	1 black shale qv oc/sub outcrop		N
1907	sm7-13aa	Fig. 11 / Details 1,2	Rock	613549	5828246	1 black shale qv oc/sub outcrop		N
1908	sm7-13b	Fig. 11 / Details 1,2	Rock	613549	5828246	1 black shale qv oc/sub outcrop		N
1909	sm7-14	Fig. 11 / Details 1,2	Rock	613548	5828272	1 black shale qv oc/sub outcrop		N
1910	sm7-14a	Fig. 11 / Details 1,2	Rock	613548	5828272	1 black shale qv oc/sub outcrop		N
1911	sm7-14b	Fig. 11 / Details 1,2	Rock	613548	5828272	1 black shale qv oc/sub outcrop		N
1912	sm7-15	Fig. 11 / Details 1,2	Rock	613513	5828256	1 black shale qv oc/sub outcrop		N
1913	sm7-15a	Fig. 11 / Details 1,2	Rock	613513	5828256	1 black shale qv oc/sub outcrop		N
1914	sm7-15b	Fig. 11 / Details 1,2	Rock	613513	5828256	1 black shale qv oc/sub outcrop		N
1915	sm7-16	Fig. 11 / Details 1,2	Rock	613504	5828242	1 black shale qv oc/sub outcrop		N
1916	sm7-16a	Fig. 11 / Details 1,2	Rock	613504	5828242	1 black shale qv oc/sub outcrop		N
1917	sm7-16b	Fig. 11 / Details 1,2	Rock	613504	5828242	1 black shale qv oc/sub outcrop		N
1918	sm7-17	Fig. 11 / Details 1,2	Rock	613468	5828240	1 black shale qv oc/sub outcrop		N
1919	sm7-17a	Fig. 11 / Details 1,2	Rock	613468	5828240	1 black shale qv oc/sub outcrop		N
1920	sm7-17b	Fig. 11 / Details 1,2	Rock	613468	5828240	1 black shale qv oc/sub outcrop		N
1921	sm7-18	Fig. 11 / Details 1,2	Rock	613355	5828239	1 black shale qv oc/sub outcrop		N
1922	sm7-18a	Fig. 11 / Details 1,2	Rock	613355	5828239	1 black shale qv oc/sub outcrop		N
1923	sm7-18b	Fig. 11 / Details 1,2	Rock	613355	5828239	1 black shale qv oc/sub outcrop		N
1924	sm7-19	Fig. 11 / Details 1,2	Rock	613378	5828240	1 black shale qv oc/sub outcrop		N
1925	sm7-19a	Fig. 11 / Details 1,2	Rock	613378	5828240	1 black shale qv oc/sub outcrop		N
1926	sm7-19b	Fig. 11 / Details 1,2	Rock	613378	5828240	1 black shale qv oc/sub outcrop		N
1927	sm7-20	Fig. 11 / Details 1,2	Rock	613393	5828241	1 black shale qv oc/sub outcrop		N
1928	sm7-20a	Fig. 11 / Details 1,2	Rock	613393	5828241	1 black shale qv oc/sub outcrop		N
1929	sm7-20b	Fig. 11 / Details 1,2	Rock	613393	5828241	1 black shale qv oc/sub outcrop		N
1930	sm7-21	Fig. 11 / Details 1,2	Rock	613410	5828242	1 black shale qv oc/sub outcrop		N

Table No. 1
Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description	Comment	Magnetic
1931	sm7-21a	Fig. 11 / Details 1,2	Rock	613410	5828242	1 black shale qv oc/sub outcrop		N
1932	sm7-21b	Fig. 11 / Details 1,2	Rock	613410	5828242	1 black shale qv oc/sub outcrop		N
1933	sm7-22	Fig. 11 / Details 1,2	Rock	613425	5828244	1 black shale qv oc/sub outcrop		N
1934	sm7-22a	Fig. 11 / Details 1,2	Rock	613425	5828244	1 black shale qv oc/sub outcrop		N
1935	sm7-22a	Fig. 11 / Details 1,2	Rock	613425	5828244	1 black shale qv oc/sub outcrop		N
1936	sm7-23	Fig. 11 / Details 1,2	Rock	613443	5828247	1 black shale qv oc/sub outcrop		N
1937	sm7-23a	Fig. 11 / Details 1,2	Rock	613443	5828247	1 black shale qv oc/sub outcrop		N
1938	sm7-23b	Fig. 11 / Details 1,2	Rock	613443	5828247	1 black shale qv oc/sub outcrop		N
1939	sm7-24	Fig. 11 / Details 1,2	Rock	613455	5828249	1 black shale qv oc/sub outcrop		N
1940	sm7-24a	Fig. 11 / Details 1,2	Rock	613455	5828249	1 black shale qv oc/sub outcrop		N
1941	sm7-24b	Fig. 11 / Details 1,2	Rock	613455	5828249	1 black shale qv oc/sub outcrop		N
1942	sm7-25	Fig. 11 / Details 1,2	Rock	613456	5828238	1 black shale qv oc/sub outcrop		N
1943	sm7-25a	Fig. 11 / Details 1,2	Rock	613456	5828238	1 black shale qv oc/sub outcrop		N
1944	sm7-25b	Fig. 11 / Details 1,2	Rock	613456	5828238	1 black shale qv oc/sub outcrop		N
1945	sm7-26	Fig. 11 / Details 1,2	Rock	613443	5828237	1 black shale qv oc/sub outcrop		N
1946	sm7-26a	Fig. 11 / Details 1,2	Rock	613443	5828237	1 black shale qv oc/sub outcrop		N
1947	sm7-26b	Fig. 11 / Details 1,2	Rock	613443	5828237	1 black shale qv oc/sub outcrop		N
1948	sm7-27	Fig. 11 / Details 1,2	Rock	613425	5828234	1 black shale qv oc/sub outcrop		N
1949	sm7-27a	Fig. 11 / Details 1,2	Rock	613425	5828234	1 black shale qv oc/sub outcrop		N
1950	sm7-27b	Fig. 11 / Details 1,2	Rock	613425	5828234	1 black shale qv oc/sub outcrop		N
1951	sm7-28	Fig. 11 / Details 1,2	Rock	613411	5828236	1 black shale qv oc/sub outcrop		N
1952	sm7-28a	Fig. 11 / Details 1,2	Rock	613411	5828236	1 black shale qv oc/sub outcrop		N
1953	sm7-28b	Fig. 11 / Details 1,2	Rock	613411	5828236	1 black shale qv oc/sub outcrop		N
1954	sm7-29	Fig. 11 / Details 1,2	Rock	613387	5828233	1 black shale qv oc/sub outcrop		N
1955	sm7-29a	Fig. 11 / Details 1,2	Rock	613387	5828233	1 black shale qv oc/sub outcrop		N
1956	sm7-29b	Fig. 11 / Details 1,2	Rock	613387	5828233	1 black shale qv oc/sub outcrop		N
1957	sm7-30	Fig. 11 / Details 1,2	Rock	613361	5828230	1 black shale qv oc/sub outcrop		N
1958	sm7-30a	Fig. 11 / Details 1,2	Rock	613361	5828230	1 black shale qv oc/sub outcrop		N
1959	sm7-30b	Fig. 11 / Details 1,2	Rock	613361	5828230	1 black shale qv oc/sub outcrop		N
1960	sm7-31	Fig. 10 / Area 7km	Rock	613347	5828272	1 black shale qv oc/sub outcrop		N
1961	sm7-31a	Fig. 10 / Area 7km	Rock	613347	5828272	1 black shale qv oc/sub outcrop		N
1962	sm7-31b	Fig. 10 / Area 7km	Rock	613347	5828272	1 black shale qv oc/sub outcrop		N
1963	sm7-32	Fig. 10 / Area 7km	Rock	613368	5828325	1 black shale qv oc/sub outcrop		N
1964	sm7-32a	Fig. 10 / Area 7km	Rock	613368	5828325	1 black shale qv oc/sub outcrop		N

Table No. 1
Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description	Comment	Magnetic
1965	sm7-32b	Fig. 10 / Area 7km	Rock	613368	5828325	1 black shale qv oc/sub outcrop		N
1966	sm7-33	Fig. 10 / Area 7km	Rock	613422	5828328	1 black shale qv oc/sub outcrop		N
1967	sm7-33a	Fig. 10 / Area 7km	Rock	613422	5828328	1 black shale qv oc/sub outcrop		N
1968	sm7-33b	Fig. 10 / Area 7km	Rock	613422	5828328	1 black shale qv oc/sub outcrop		N
1969	sm7-34	Fig. 10 / Area 7km	Rock	613514	5828316	1 black shale qv oc/sub outcrop		N
1970	sm7-34a	Fig. 10 / Area 7km	Rock	613514	5828316	1 black shale qv oc/sub outcrop		N
1971	sm7-34b	Fig. 10 / Area 7km	Rock	613514	5828316	1 black shale qv oc/sub outcrop		N
1972	sm7-35	Fig. 10 / Area 7km	Rock	613604	5828315	1,5 highly altered rusty flt sub outcrop		N
1973	sm7-35a	Fig. 10 / Area 7km	Rock	613604	5828315	1,5 highly altered rusty flt sub outcrop		N
1974	sm7-35b	Fig. 10 / Area 7km	Rock	613604	5828315	1,5 highly altered rusty flt sub outcrop		N
1975	sm7-36	Fig. 11 / Details 1,2	Rock	613502	5828289	1,5 highly altered rusty flt sub outcrop		N
1976	sm7-36a	Fig. 11 / Details 1,2	Rock	613502	5828289	1,5 highly altered rusty flt sub outcrop		N
1977	sm7-36b	Fig. 11 / Details 1,2	Rock	613502	5828289	1,5 highly altered rusty flt sub outcrop		N
1978	sm7-37	Fig. 11 / Details 1,2	Rock	613467	5828301	1,5 highly altered rusty flt sub outcrop		N
1979	sm7-37a	Fig. 11 / Details 1,2	Rock	613467	5828301	1,5 highly altered rusty flt sub outcrop		N
1980	sm7-37b	Fig. 11 / Details 1,2	Rock	613467	5828301	1,5 highly altered rusty flt sub outcrop		N
1981	sm7-38	Fig. 11 / Details 1,2	Rock	613437	5828299	1,5 highly altered rusty flt sub outcrop		N
1982	sm7-38a	Fig. 11 / Details 1,2	Rock	613437	5828299	1,5 highly altered rusty flt sub outcrop		N
1983	sm7-38b	Fig. 11 / Details 1,2	Rock	613437	5828299	1,5 highly altered rusty flt sub outcrop		N
1984	sm7-39	Fig. 11 / Details 1,2	Rock	613419	5828298	1,5 highly altered rusty flt sub outcrop		N
1985	sm7-39a	Fig. 11 / Details 1,2	Rock	613419	5828298	1,5 highly altered rusty flt sub outcrop		N
1986	sm7-39b	Fig. 11 / Details 1,2	Rock	613419	5828298	1,5 highly altered rusty flt sub outcrop		N
1987	sm7-40	Fig. 11 / Details 1,2	Rock	613403	5828300	1,5 highly altered rusty flt sub outcrop		N
1988	sm7-40a	Fig. 11 / Details 1,2	Rock	613403	5828300	1,5 highly altered rusty flt sub outcrop		N
1989	sm7-40b	Fig. 11 / Details 1,2	Rock	613403	5828300	1,5 highly altered rusty flt sub outcrop		N
1990	sm7-41	Fig. 10 / Area 7km	Rock	613503	5828459	1,5 highly altered rusty flt sub outcrop		N
1991	sm7-41a	Fig. 10 / Area 7km	Rock	613503	5828459	1,5 highly altered rusty flt sub outcrop		N
1992	sm7-41b	Fig. 10 / Area 7km	Rock	613503	5828459	1,5 highly altered rusty flt sub outcrop		N
1993	sm7-42	Fig. 10 / Area 7km	Rock	613455	5828391	1,5 highly altered rusty flt sub outcrop		N
1994	sm7-42a	Fig. 10 / Area 7km	Rock	613455	5828391	1,5 highly altered rusty flt sub outcrop		N
1995	sm7-42b	Fig. 10 / Area 7km	Rock	613455	5828391	1,5 highly altered rusty flt sub outcrop		N
1996	sm7-43	Fig. 10 / Area 7km	Rock	613515	5828364	1,5 highly altered rusty flt sub outcrop		N
1997	sm7-43a	Fig. 10 / Area 7km	Rock	613515	5828364	1,5 highly altered rusty flt sub outcrop		N
1998	sm7-43b	Fig. 10 / Area 7km	Rock	613515	5828364	1,5 highly altered rusty flt sub outcrop		N

Table No. 1
Sample Coordinates and Descriptions

<u>XRF No.</u>	<u>Field No.</u>	<u>Fig. No. / Area</u>	<u>Type</u>	<u>Easting</u>	<u>Northing</u>	<u>XRF Target and Description</u>	<u>Comment</u>	<u>Magnetic</u>
1999	sm7-44	Fig. 10 / Area 7km	Rock	613649	5828352	1,5	highly altered rusty flt sub outcrop	N
2000	sm7-44a	Fig. 10 / Area 7km	Rock	613649	5828352	1,5	highly altered rusty flt sub outcrop	N
2001	sm7-44b	Fig. 10 / Area 7km	Rock	613649	5828352	1,5	highly altered rusty flt sub outcrop	N
2002	sm7-45	Fig. 10 / Area 7km	Rock	613763	5828301	1,5	highly altered rusty flt sub outcrop	N
2003	sm7-45a	Fig. 10 / Area 7km	Rock	613763	5828301	1,5	highly altered rusty flt sub outcrop	N
2004	sm7-45b	Fig. 10 / Area 7km	Rock	613763	5828301	1,5	highly altered rusty flt sub outcrop	N
2005	sm7-46	Fig. 10 / Area 7km	Rock	613779	5828348	1,5	highly altered rusty flt sub outcrop	N
2006	sm7-46a	Fig. 10 / Area 7km	Rock	613779	5828348	1,5	highly altered rusty flt sub outcrop	N
2007	sm7-46b	Fig. 10 / Area 7km	Rock	613779	5828348	1,5	highly altered rusty flt sub outcrop	N
2008	sm7-47	Fig. 10 / Area 7km	Rock	613718	5828423	1,5	highly altered rusty flt sub outcrop	N
2009	sm7-47a	Fig. 10 / Area 7km	Rock	613718	5828423	1,5	highly altered rusty flt sub outcrop	N
2010	sm7-47b	Fig. 10 / Area 7km	Rock	613718	5828423	1,5	highly altered rusty flt sub outcrop	N
2011	sm7-48	Fig. 10 / Area 7km	Rock	613640	5828450	1,5	highly altered rusty flt sub outcrop	N
2012	sm7-48a	Fig. 10 / Area 7km	Rock	613640	5828450	1,5	highly altered rusty flt sub outcrop	N
2013	sm7-48b	Fig. 10 / Area 7km	Rock	613640	5828450	1,5	highly altered rusty flt sub outcrop	N
2014	sm7-49	Fig. 10 / Area 7km	Rock	613588	5828383	1,5	highly altered rusty flt sub outcrop	N
2015	sm7-49a	Fig. 10 / Area 7km	Rock	613588	5828383	1,5	highly altered rusty flt sub outcrop	N
2016	sm7-49b	Fig. 10 / Area 7km	Rock	613588	5828383	1,5	highly altered rusty flt sub outcrop	N
2017	sm7-50	Fig. 10 / Area 7km	Rock	613573	5828435	1,5	highly altered rusty flt sub outcrop	N
2018	sm7-50a	Fig. 10 / Area 7km	Rock	613573	5828435	1,5	highly altered rusty flt sub outcrop	N
2019	sm7-50b	Fig. 10 / Area 7km	Rock	613573	5828435	1,5	highly altered rusty flt sub outcrop	N
2020	sm7-51	Fig. 10 / Area 7km	Rock	613780	5828512	1	black shale with quartz veins, sub oc	N
2021	sm7-51a	Fig. 10 / Area 7km	Rock	613780	5828512	1	black shale with quartz veins, sub oc	N
2022	sm7-51b	Fig. 10 / Area 7km	Rock	613780	5828512	1	black shale with quartz veins, sub oc	N
2023	sm7-52	Fig. 10 / Area 7km	Rock	613729	5828539	1	black shale with quartz veins, sub oc	N
2024	sm7-52a	Fig. 10 / Area 7km	Rock	613729	5828539	1	black shale with quartz veins, sub oc	N
2025	sm7-52b	Fig. 10 / Area 7km	Rock	613729	5828539	1	black shale with quartz veins, sub oc	N
2026	sm7-53	Fig. 10 / Area 7km	Rock	613746	5828593	1	black shale with quartz veins, sub oc	N
2027	sm7-53a	Fig. 10 / Area 7km	Rock	613746	5828593	1	black shale with quartz veins, sub oc	N
2028	sm7-53b	Fig. 10 / Area 7km	Rock	613746	5828593	1	black shale with quartz veins, sub oc	N
2029	sm7-54	Fig. 10 / Area 7km	Rock	613776	5828646	1	black shale with quartz veins, sub oc	N
2030	sm7-54a	Fig. 10 / Area 7km	Rock	613776	5828646	1	black shale with quartz veins, sub oc	N
2031	sm7-54b	Fig. 10 / Area 7km	Rock	613776	5828646	1,2	black shale with quartz veins, sub oc	N
2032	sm7-55	Fig. 10 / Area 7km	Rock	613819	5828616	1,2	black shale with quartz veins, sub oc	N

Table No. 1
Sample Coordinates and Descriptions

<u>XRF No.</u>	<u>Field No.</u>	<u>Fig. No. / Area</u>	<u>Type</u>	<u>Easting</u>	<u>Northing</u>	<u>XRF Target and Description</u>	<u>Comment</u>	<u>Magnetic</u>
2033	sm7-55a	Fig. 10 / Area 7km	Rock	613819	5828616	1,2 black shale with quartz veins, sub oc		N
2034	sm7-55b	Fig. 10 / Area 7km	Rock	613819	5828616	1,2 black shale with quartz veins, sub oc		N
2035	sm7-56	Fig. 10 / Area 7km	Rock	613861	5828617	1,2 black shale with quartz veins, sub oc		N
2036	sm7-56a	Fig. 10 / Area 7km	Rock	613861	5828617	1,2 black shale with quartz veins, sub oc		N
2037	sm7-56b	Fig. 10 / Area 7km	Rock	613861	5828617	1,2 black shale with quartz veins, sub oc		N
2038	sm7-57	Fig. 11 / Details 1,2	Rock	613835	5828564	1,2 black shale with quartz veins, sub oc		N
2039	sm7-57a	Fig. 11 / Details 1,2	Rock	613835	5828564	1,2 black shale with quartz veins, sub oc		N
2040	sm7-57b	Fig. 11 / Details 1,2	Rock	613835	5828564	1,2 black shale with quartz veins, sub oc		N
2041	sm7-58	Fig. 10 / Area 7km	Rock	613879	5828548	1,2 black shale with quartz veins, sub oc		N
2042	sm7-58a	Fig. 10 / Area 7km	Rock	613879	5828548	1,2 black shale with quartz veins, sub oc		N
2043	sm7-58b	Fig. 10 / Area 7km	Rock	613879	5828548	1,2 black shale with quartz veins, sub oc		N
2044	sm7-59	Fig. 10 / Area 7km	Rock	613919	5828518	1,2 black shale with quartz veins, sub oc		N
2045	sm7-59a	Fig. 10 / Area 7km	Rock	613919	5828518	1,2 black shale with quartz veins, sub oc		N
2046	sm7-59b	Fig. 10 / Area 7km	Rock	613919	5828518	1,2 black shale with quartz veins, sub oc		N
2047	sm7-60	Fig. 10 / Area 7km	Rock	613958	5828485	1,2 black shale with quartz veins, sub oc		N
2048	sm7-60a	Fig. 10 / Area 7km	Rock	613958	5828485	1,2 black shale with quartz veins, sub oc		N
2049	sm7-60b	Fig. 10 / Area 7km	Rock	613958	5828485	1,2 black shale with quartz veins, sub oc		N
2050	sm7-61	Fig. 10 / Area 7km	Rock	613876	5828471	1,2 black shale with quartz veins, sub oc		N
2051	sm7-61a	Fig. 10 / Area 7km	Rock	613876	5828471	1,2 black shale with quartz veins, sub oc		N
2052	sm7-61b	Fig. 10 / Area 7km	Rock	613876	5828471	1,2 black shale with quartz veins, sub oc		N
2053	sm7-62	Fig. 10 / Area 7km	Rock	613840	5828494	1,2 black shale with quartz veins, sub oc		N
2054	sm7-62a	Fig. 10 / Area 7km	Rock	613840	5828494	1,2 black shale with quartz veins, sub oc		N
2055	sm7-62b	Fig. 10 / Area 7km	Rock	613840	5828494	1,2 black shale with quartz veins, sub oc		N
2056	sm7-63	Fig. 10 / Area 7km	Rock	613837	5828464	1,2 black shale with quartz veins, sub oc		N
2057	sm7-63a	Fig. 10 / Area 7km	Rock	613837	5828464	1,2 black shale with quartz veins, sub oc		N
2058	sm7-63b	Fig. 10 / Area 7km	Rock	613837	5828464	1,2 black shale with quartz veins, sub oc		N
2059	sm7-64	Fig. 10 / Area 7km	Rock	613813	5828437	1,2 black shale with quartz veins, sub oc		N
2060	sm7-64a	Fig. 10 / Area 7km	Rock	613813	5828437	1,2 black shale with quartz veins, sub oc		N
2061	sm7-64b	Fig. 10 / Area 7km	Rock	613813	5828437	1,2 black shale with quartz veins, sub oc		N
2062	sm7-65	Fig. 10 / Area 7km	Rock	613840	5828666	1,2 black shale with quartz veins, sub oc		N
2063	sm7-65a	Fig. 10 / Area 7km	Rock	613840	5828666	1,2 black shale with quartz veins, sub oc		N
2064	sm7-65b	Fig. 10 / Area 7km	Rock	613840	5828666	1,2 black shale with quartz veins, sub oc		N
2065	sm7-66	Fig. 10 / Area 7km	Rock	613845	5828717	1,2 black shale with quartz veins, sub oc		N
2066	sm7-66a	Fig. 10 / Area 7km	Rock	613845	5828717	1,2 black shale with quartz veins, sub oc		N

Table No. 1
Sample Coordinates and Descriptions

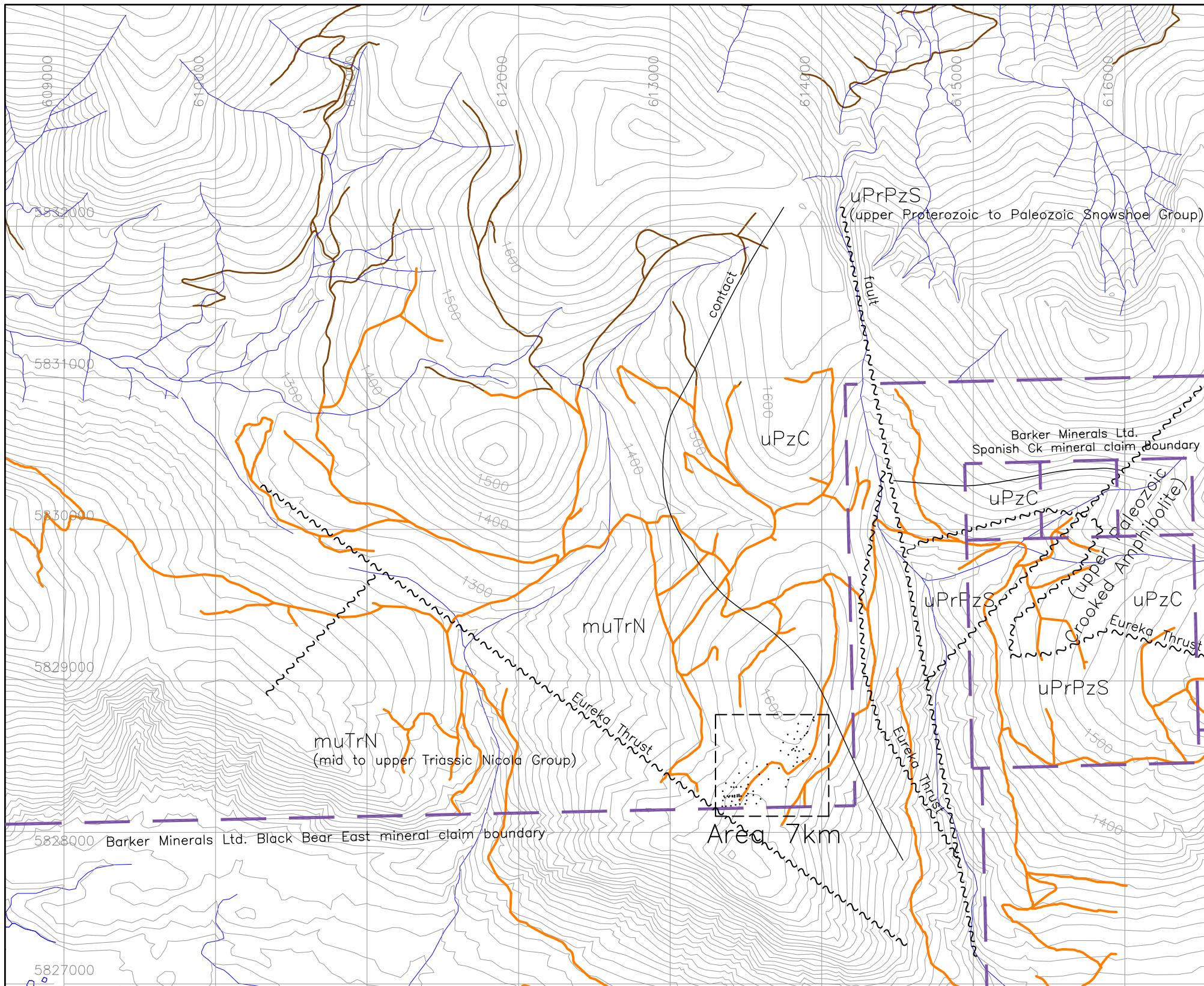
<u>XRF No.</u>	<u>Field No.</u>	<u>Fig. No. / Area</u>	<u>Type</u>	<u>Easting</u>	<u>Northing</u>	<u>XRF Target and Description</u>	<u>Comment</u>	<u>Magnetic</u>
2067	sm7-66b	Fig. 10 / Area 7km	Rock	613845	5828717	1,2 black shale with quartz veins, sub oc		N
2068	sm7-67	Fig. 10 / Area 7km	Rock	613907	5828700	1,2 black shale with quartz veins, sub oc		N
2069	sm7-67a	Fig. 10 / Area 7km	Rock	613907	5828700	1,2 black shale with quartz veins, sub oc		N
2070	sm7-67b	Fig. 10 / Area 7km	Rock	613907	5828700	1,2 black shale with quartz veins, sub oc		N
2071	sm7-68	Fig. 11 / Details 1,2	Rock	613804	5828544	1,2 black shale with quartz veins, sub oc		N
2072	sm7-68a	Fig. 11 / Details 1,2	Rock	613804	5828544	1,2 black shale with quartz veins, sub oc		N
2073	sm7-68b	Fig. 11 / Details 1,2	Rock	613804	5828544	1,2 black shale with quartz veins, sub oc		N
2074	sm7-69	Fig. 11 / Details 1,2	Rock	613826	5828539	1,2 black shale with quartz veins, sub oc		N
2075	sm7-69a	Fig. 11 / Details 1,2	Rock	613826	5828539	1,2 black shale with quartz veins, sub oc		N
2076	sm7-69b	Fig. 11 / Details 1,2	Rock	613826	5828539	1,2 black shale with quartz veins, sub oc		N
2077	sm7-70	Fig. 11 / Details 1,2	Rock	613851	5828536	1,2 black shale with quartz veins, sub oc		N
2078	sm7-70a	Fig. 11 / Details 1,2	Rock	613851	5828536	1,2 black shale with quartz veins, sub oc		N
2079	sm7-70b	Fig. 11 / Details 1,2	Rock	613851	5828536	1,2 black shale with quartz veins, sub oc		N
2080	sm7-71	Fig. 11 / Details 1,2	Rock	613813	5828552	1,2 black shale with quartz veins, sub oc		N
2081	sm7-71a	Fig. 11 / Details 1,2	Rock	613813	5828552	1,2 black shale with quartz veins, sub oc		N
2082	sm7-71b	Fig. 11 / Details 1,2	Rock	613813	5828552	1,2 black shale with quartz veins, sub oc		N
2083	sm7-72	Fig. 10 / Area 7km	Rock	613907	5828664	1,2 black shale with quartz veins, sub oc		N
2084	sm7-72a	Fig. 10 / Area 7km	Rock	613907	5828664	1,2 black shale with quartz veins, sub oc		N
2085	sm7-72b	Fig. 10 / Area 7km	Rock	613907	5828664	1,2 black shale with quartz veins, sub oc		N
2086	sm7-73	Fig. 10 / Area 7km	Rock	613900	5828654	1,2 black shale with quartz veins, sub oc		N
2087	sm7-73a	Fig. 10 / Area 7km	Rock	613900	5828654	1,2 black shale with quartz veins, sub oc		N
2088	sm7-73b	Fig. 10 / Area 7km	Rock	613900	5828654	1,2 black shale with quartz veins, sub oc		N
2089	sm7-74	Fig. 10 / Area 7km	Rock	613887	5828640	1,2 black shale with quartz veins, sub oc		N
2090	sm7-74a	Fig. 10 / Area 7km	Rock	613887	5828640	1,2 black shale with quartz veins, sub oc		N
2091	sm7-74b	Fig. 10 / Area 7km	Rock	613887	5828640	1,2 black shale with quartz veins, sub oc		N
2092	sm7-75	Fig. 10 / Area 7km	Rock	613947	5828760	1,2 black shale with quartz veins, sub oc		N
2093	sm7-75a	Fig. 10 / Area 7km	Rock	613947	5828760	1,2 black shale with quartz veins, sub oc		N
2094	sm7-75b	Fig. 10 / Area 7km	Rock	613947	5828760	1,2 black shale with quartz veins, sub oc		N
2095	sm7-76	Fig. 10 / Area 7km	Rock	613942	5828745	1,2 black shale with quartz veins, sub oc		N
2096	sm7-76a	Fig. 10 / Area 7km	Rock	613942	5828745	1,2 black shale with quartz veins, sub oc		N
2097	sm7-76b	Fig. 10 / Area 7km	Rock	613942	5828745	1,2 black shale with quartz veins, sub oc		N
2098	sm7-77	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2099	sm7-77a	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2100	sm7-77b	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N

Table No. 1
Sample Coordinates and Descriptions

<u>XRF No.</u>	<u>Field No.</u>	<u>Fig. No. / Area</u>	<u>Type</u>	<u>Easting</u>	<u>Northing</u>	<u>XRF Target and Description</u>	<u>Comment</u>	<u>Magnetic</u>
2101	sm7-78	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2102	sm7-78a	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2103	sm7-78b	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2104	sm7-79	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2105	sm7-79a	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2106	sm7-79b	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2107	sm7-80	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2108	sm7-80a	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N
2111	sm7-80b	Fig. 10 / Area 7km	Rock	613950	5828738	1,2 black shale with quartz veins	area of Vein SM7-D	N

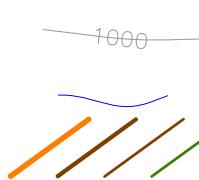
APPENDIX H

Black Bear East Property Maps and XRF Data Tables



For Area 7 km, see Figure No. 10

LEGEND



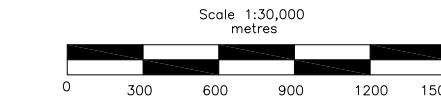
Topographic Contour & Elevation
Contour interval 20 metres

Creek

Road, quad trail, trail, reclaimed

• 2016 Sample Site

Note: Geology by B.C. Geological Survey, 2005.

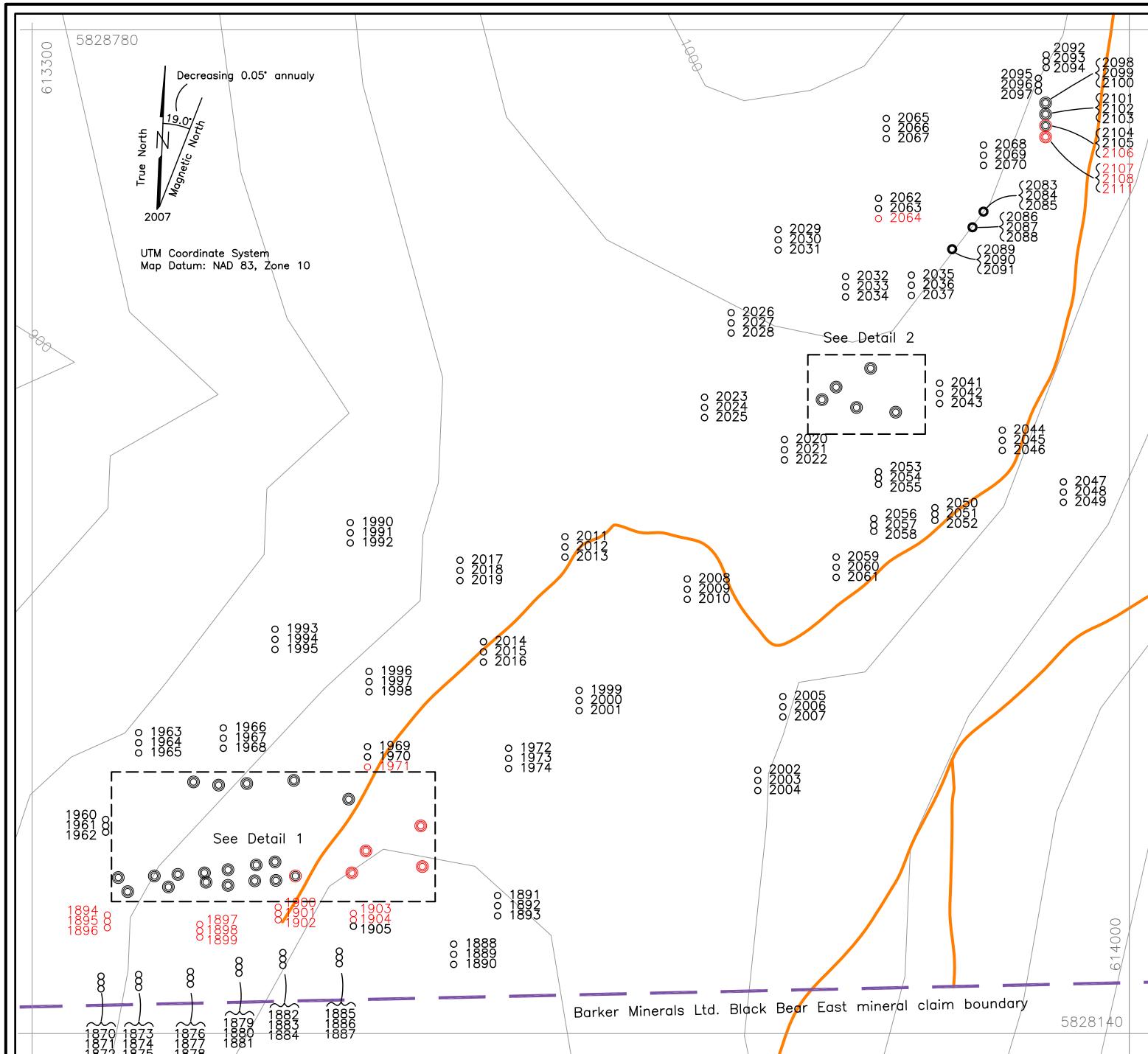


BARKER MINERALS LTD.

BLACK BEAR EAST PROPERTY

Keymap of Area 7km

Cariboo Mining Division, B.C.



Results over 200 ppm marked in red
Results below level of detection not shown

Samples with high Au and Ag are coloured red. Samples nos. 1894 to 1904 are also coloured red due to samples high in many elements.

71 For Details 1 and 2, see Figure No. 11.

See Table No. 2 for XRF results.

BARKER MINERALS LTD

Black Bear East Property

Area 7km

Rock Sample Numbers

and Geochemistry

Cariboo Mining Division, B.C.

ap: 93A/11 Feb. 6, 2017

Fig.No. 10

Black Bear East Rock Samples XRF Results (ppm)

Detail 1 sampling area

Detail 2 sampling area

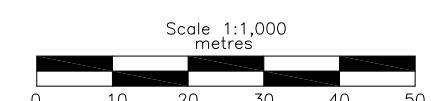
XRF No.	Mo	Pb	As	Au	Zn	Cu	Ag	Bi	XRF No.	Mo	Pb	As	Au	Zn	Cu
1906		205393	7616		194	3650	6283		2038					42	19
1907	5168	167902	5759		97	4997	2351	4048	2039					914	478
1908	31	5893	118		285	1465			2040					61	195
1909	9	34235	789		23	1632		651	2071	17				3439	157
1910	6	292	22		28	65			2072	6	34				
1911	50	8952	156		432	501			2073					42	
1912		81			41	215			2074					34	
1913	19	33571	318		27	327		326	2075					61	
1914		400			15	545			2076					39	
1915	16	10145	449		39			162	2077	8				225	101
1916	6	340	32		30	137			2078					259	28
1917	14	42313	1207		54		1456		2079					412	47
1918	37				55				2080	31	25			920	1195
1919	32				96				2081	5	20			58	51
1920	17	36		11.96	50	27			2082	34				793	406
1921		708													
1922	61	26					299	1019							
1923	48						300	604							
1924	44						136	633							
1925	39						135	564							
1926	30						151	547							
1927	42						30	846							
1928	26						28	588							
1929	32						108	338							
1930	34						44	289							
1931	26						227	460							
1932	28						123	333							
1933	24						70	307							
1934	47						110	416							
1935	27						80	294							
1936		641													
1937	28						133	676							
1938	31						48	515							
1939	30						62	439							
1940	16						166	664							
1941	29						108	550							
1942						62									
1943						9									
1944	4					27									
1945	10					26		340							
1946						12		109							
1947						5		45							
1948								87							
1949								72							
1950								134							
1951	4							121							
1952	18							117							
1953	14							229							
1954	12							122							
1955	24							135							
1956	8							198							
1957	12							333							
1958	15							244							
1959	9							231							
1975	117	26						244							
1976	42							228							
1977	60							208							
1978	35							196							
1979	66							233							
1980	62							149							
1981	18							211							
1982	17							99							
1983	30							78							
1984	53							117							
1985	382							122							
1986	59							229							
1987	67	31						135							
1988	94							208							
1989	71							198							

Results over 200 ppm marked in red.

Results below level of detection not shown

Samples with high Au and Ag are coloured red.
Samples nos. 1906 to 1917 are also coloured red due to samples high in many elements.

See Table No. 2 for XRF results.



LEGEND

o 1930 Rock sample location and number

BARKER MINERALS LTD.

Black Bear East Property

Area 7km, Details 1 & 2

Rock Sample Numbers

and Geochemistry

Cariboo Mining Division, B.C.

NTS Map: 93A/11

Date: Feb. 6, 2017

Fig.No. 11

Table No. 2
Black Bear East, XRF Sampling Results

XRF No.	Field No.	Fig. No./Area	Type	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au	Zn	W	Cu	Ni	Co	Fe	Mn	Sb	Sn	Cd	Ag	Nb	Y	Bi	Cr	V	Ti
1870	sm7-1	Fig. 10 / Area 7km	rock	ppm	11	27	18	7	11	18 < LOD	< LOD	34 < LOD	< LOD	167 < LOD	222	< LOD	< LOD	95218	5280	72	49 < LOD	< LOD	8	2 < LOD	< LOD	< LOD	< LOD	..				
1871	sm7-1a	Fig. 10 / Area 7km	rock	ppm	< LOD	18	6 < LOD			8 < LOD	< LOD	40 < LOD	< LOD	116 < LOD	51	124 < LOD	64131	1527 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..					
1872	sm7-1b	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	11 < LOD	< LOD	137 < LOD	217	285 < LOD	261526	361	48 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	30 < LOD	< LOD	..			
1873	sm7-2	Fig. 10 / Area 7km	rock	ppm	48	38	26 < LOD		33	12	13	19	129 < LOD	< LOD	321 < LOD	67 < LOD	49 < LOD	125066	< LOD	< LOD	< LOD	< LOD	< LOD	2 < LOD	< LOD	< LOD	< LOD	..				
1874	sm7-2a	Fig. 10 / Area 7km	rock	ppm	21	347	32	14		26 < LOD	95	25	255 < LOD	< LOD	768 < LOD	102	331 < LOD	195412	< LOD	143	124 < LOD	< LOD	12	9 < LOD	< LOD	< LOD	< LOD	..				
1875	sm7-2b	Fig. 10 / Area 7km	rock	ppm	4	116	37 < LOD		41	< LOD	19	6	22 < LOD	< LOD	211 < LOD	37 < LOD	41 < LOD	19943	180 < LOD	< LOD	129929	495 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	9	2 < LOD	< LOD	< LOD	..
1876	sm7-3	Fig. 10 / Area 7km	rock	ppm	11	16	13	7	2	6 < LOD	< LOD	64 < LOD	< LOD	153 < LOD	60 < LOD	49 < LOD	129929	495 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..			
1877	sm7-3a	Fig. 10 / Area 7km	rock	ppm	37	92	34	16	8	19	63	15	386 < LOD	< LOD	528 < LOD	154 < LOD	273677	< LOD	< LOD	< LOD	< LOD	< LOD	5	5 < LOD	< LOD	< LOD	< LOD	< LOD	..			
1878	sm7-3b	Fig. 10 / Area 7km	rock	ppm	< LOD	6	36 < LOD	< LOD	< LOD	< LOD	< LOD	106 < LOD	< LOD	31 < LOD	< LOD	65489	< LOD	< LOD	< LOD	< LOD	< LOD	2 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1879	sm7-4	Fig. 10 / Area 7km	rock	ppm	7	93	40 < LOD		12	< LOD	< LOD	22 < LOD	< LOD	167 < LOD	41 < LOD	41 < LOD	37853	350 < LOD	< LOD	129929	495 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	4 < LOD	< LOD	< LOD	< LOD	..	
1880	sm7-4a	Fig. 10 / Area 7km	rock	ppm	3	29	95 < LOD	< LOD	< LOD	< LOD	< LOD	33 < LOD	< LOD	51 < LOD	25 < LOD	21019	69 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1881	sm7-4b	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	48 < LOD	< LOD	< LOD	< LOD	< LOD	19 < LOD	< LOD	50 < LOD	< LOD	22741	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1882	sm7-5	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	3 < LOD	< LOD	< LOD	< LOD	< LOD	24 < LOD	< LOD	18 < LOD	3727	1309 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	5 < LOD	< LOD	< LOD	< LOD	< LOD	..					
1883	sm7-5a	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	3 < LOD	< LOD	< LOD	< LOD	< LOD	26 < LOD	< LOD	20 < LOD	4031	2628 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1884	sm7-5b	Fig. 10 / Area 7km	rock	ppm	< LOD	9	8 < LOD		11 < LOD	< LOD	< LOD	4 < LOD	< LOD	100 < LOD	56 < LOD	29561	1002 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1885	sm7-6	Fig. 10 / Area 7km	rock	ppm	< LOD	3	10 < LOD	< LOD	< LOD	< LOD	< LOD	27 < LOD	< LOD	38 < LOD	12627	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..					
1886	sm7-6a	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	3 < LOD	< LOD	< LOD	< LOD	< LOD	10 < LOD	< LOD	105 < LOD	41 < LOD	59691	23488 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1887	sm7-6b	Fig. 10 / Area 7km	rock	ppm	7	9	14 < LOD		6	31 < LOD	< LOD	13 < LOD	< LOD	247 < LOD	77 < LOD	72466	2491 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	7 < LOD	< LOD	< LOD	< LOD	< LOD	..				
1888	sm7-7	Fig. 10 / Area 7km	rock	ppm	11 < LOD		3 < LOD	< LOD	< LOD	< LOD	< LOD	20 < LOD	< LOD	37 < LOD	< LOD	117957	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..					
1889	sm7-7a	Fig. 10 / Area 7km	rock	ppm	11 < LOD		3 < LOD	< LOD	< LOD	< LOD	< LOD	14 < LOD	< LOD	79 < LOD	< LOD	59498	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..					
1890	sm7-7b	Fig. 10 / Area 7km	rock	ppm	148	12	4 < LOD		64	40	156 < LOD	< LOD	113 < LOD	285	156 < LOD	262546	< LOD	28 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1891	sm7-8	Fig. 10 / Area 7km	rock	ppm	5	6	133 < LOD	< LOD	< LOD	< LOD	< LOD	22 < LOD	< LOD	16 < LOD	14376	138 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	2 < LOD	< LOD	< LOD	< LOD	< LOD	..					
1892	sm7-8a	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	5 < LOD	< LOD	< LOD	< LOD	< LOD	15 < LOD	< LOD	12929	< LOD	12929 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..					
1893	sm7-8b	Fig. 10 / Area 7km	rock	ppm	77	97	200	7	4	5	81	10	31 < LOD	< LOD	59 < LOD	43 < LOD	32812	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	..				
1894	sm7-9	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	4813	387 < LOD	13004 < LOD	2096	< LOD	257887	3780 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	8 < LOD	< LOD	< LOD	< LOD	< LOD	..				
1895	sm7-9a	Fig. 10 / Area 7km	rock	ppm	26	8	4 < LOD		7	< LOD	7307 < LOD	248 < LOD	2086 < LOD	604	< LOD	131578	13239 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	6	8 < LOD	< LOD	< LOD	< LOD	..				
1896	sm7-9b	Fig. 10 / Area 7km	rock	ppm	< LOD	< LOD	30 < LOD	< LOD	< LOD	< LOD	5001	152	154 < LOD	< LOD	3613 < LOD	1752 < LOD	130487	5738 < LOD	< LOD	< LOD	< LOD	< LOD	< LOD	10 < LOD	< LOD	< LOD	< LOD	< LOD	..			
1897	sm7-10	Fig. 10 / Area 7km	rock	ppm	48	127	297 < LOD		11	18	1448	14	87 < LOD	< LOD	827 < LOD	84																

Table No. 2
Black Bear East, XRF Sampling Results

XRF No.	Field No.	Fig. No./Area	Type	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au	Zn	W	Cu	Ni	Co	Fe	Mn	Sb	Sn	Cd	Ag	Nb	Y	Bi	Cr	V	Ti
1919	sm7-17a	Fig. 11 / Details 1,2	rock	ppm	32	174	353	15 < LOD :		26 < LOD : < LOD < LOD < LOD < LOD < LOD		96 < LOD	< LOD : < LOD < LOD < LOD	36963	3658	64	66 < LOD < LOD		9	3 < LOD < LOD < LOD < LOD :												
1920	sm7-17b	Fig. 11 / Details 1,2	rock	ppm	17	31	167	7	3	6	36 < LOD : < LOD < LOD < LOD < LOD	11.96	50 < LOD	27 < LOD < LOD	13769	1176	57	42 < LOD < LOD		8 < LOD < LOD < LOD < LOD :												
1921	sm7-18	Fig. 11 / Details 1,2	rock	ppm	708	389	215 < LOD : < LOD	1609 < LOD : < LOD < LOD < LOD < LOD < LOD					< LOD : < LOD < LOD < LOD : 2 < LOD : < LOD < LOD < LOD < LOD		40 < LOD < LOD < LOD < LOD :																	
1922	sm7-18a	Fig. 11 / Details 1,2	rock	ppm	61	138	72	14		23 < LOD :	26 < LOD < LOD < LOD < LOD	299 < LOD	1019	316 < LOD	227875 < LOD :	185	171 < LOD < LOD	14	5 < LOD < LOD < LOD < LOD :													
1923	sm7-18b	Fig. 11 / Details 1,2	rock	ppm	48	116	112	10		4 < LOD : < LOD < LOD < LOD < LOD	300 < LOD	604	362 < LOD	189638 < LOD :	122	71 < LOD < LOD	12	4 < LOD < LOD < LOD < LOD :														
1924	sm7-19	Fig. 11 / Details 1,2	rock	ppm	44	112	76	13	16	36 < LOD :	26 < LOD < LOD < LOD	136 < LOD	633	174 < LOD	103275 < LOD :	73	90 < LOD < LOD	16	4 < LOD < LOD < LOD < LOD :													
1925	sm7-19a	Fig. 11 / Details 1,2	rock	ppm	39	100	100	15	13	36 < LOD :	16 < LOD < LOD < LOD	135 < LOD	564 < LOD < LOD	84285 < LOD :	50 < LOD < LOD < LOD	14	3 < LOD < LOD < LOD < LOD :															
1926	sm7-19b	Fig. 11 / Details 1,2	rock	ppm	30	98	67	12	12	17 < LOD :	26 < LOD < LOD < LOD	151 < LOD	547 < LOD < LOD	102283 < LOD : < LOD < LOD < LOD < LOD	8	3 < LOD < LOD < LOD < LOD :																
1927	sm7-20	Fig. 11 / Details 1,2	rock	ppm	42	162	190	15	10	31 < LOD : < LOD < LOD < LOD		30 < LOD	846 < LOD < LOD	38560 < LOD :	33 < LOD < LOD < LOD	17	6 < LOD < LOD < LOD < LOD :															
1928	sm7-20a	Fig. 11 / Details 1,2	rock	ppm	26	108	146 < LOD		10	16 < LOD : < LOD < LOD < LOD		28 < LOD	588 < LOD < LOD	22398 < LOD : < LOD < LOD < LOD < LOD	9	4 < LOD < LOD < LOD < LOD :																
1929	sm7-20b	Fig. 11 / Details 1,2	rock	ppm	32	133	126	8	10	8 < LOD :	8 < LOD < LOD < LOD	108 < LOD	338	93 < LOD	43984 < LOD : < LOD < LOD < LOD < LOD	9	3 < LOD < LOD < LOD < LOD :															
1930	sm7-21	Fig. 11 / Details 1,2	rock	ppm	34	139	116	9	19	11 < LOD :	16 < LOD < LOD < LOD	44 < LOD	289 < LOD < LOD	32714	173 < LOD < LOD < LOD < LOD	11	3 < LOD < LOD < LOD < LOD :															
1931	sm7-21a	Fig. 11 / Details 1,2	rock	ppm	26	123	77	8		19 < LOD : < LOD	9 < LOD < LOD < LOD	227 < LOD	460	226 < LOD	153266	785	23 < LOD < LOD < LOD	4	2 < LOD < LOD < LOD < LOD :													
1932	sm7-21b	Fig. 11 / Details 1,2	rock	ppm	28	114	66	9		19 < LOD : < LOD < LOD < LOD		123 < LOD	333	133 < LOD	114369 < LOD : < LOD < LOD < LOD < LOD	6	3 < LOD < LOD < LOD < LOD :															
1933	sm7-22	Fig. 11 / Details 1,2	rock	ppm	24	136	85	9	14	9 < LOD :	7 < LOD < LOD < LOD	70 < LOD	307 < LOD < LOD	52562	173 < LOD < LOD < LOD < LOD	10	3 < LOD < LOD < LOD < LOD :															
1934	sm7-22a	Fig. 11 / Details 1,2	rock	ppm	47	179	136	11	15	12 < LOD : < LOD < LOD < LOD < LOD		110 < LOD	416	91 < LOD	98498 < LOD : < LOD < LOD < LOD < LOD	14	5 < LOD < LOD < LOD < LOD :															
1935	sm7-22a	Fig. 11 / Details 1,2	rock	ppm	27	145	85 < LOD	15		9 < LOD :	11 < LOD < LOD < LOD	80 < LOD	294 < LOD < LOD	48105	217 < LOD < LOD < LOD < LOD	10	3 < LOD < LOD < LOD < LOD :															
1936	sm7-23	Fig. 11 / Details 1,2	rock	ppm	641	607 < LOD	454 < LOD	891 < LOD : < LOD < LOD < LOD < LOD < LOD		< LOD < LOD < LOD < LOD < LOD < LOD																						
1937	sm7-23a	Fig. 11 / Details 1,2	rock	ppm	28	93	63	16	14	37 < LOD : < LOD < LOD < LOD < LOD		133 < LOD	676 < LOD < LOD	96236 < LOD :	46 < LOD < LOD < LOD	10	2 < LOD < LOD < LOD < LOD :															
1938	sm7-23b	Fig. 11 / Details 1,2	rock	ppm	31	99	94	8	13	20 < LOD : < LOD < LOD < LOD < LOD		48 < LOD	515 < LOD < LOD	45846 < LOD :	53	37 < LOD < LOD	13	3 < LOD < LOD < LOD < LOD :														
1939	sm7-24	Fig. 11 / Details 1,2	rock	ppm	30	86	52	9	15	33 < LOD : < LOD < LOD < LOD < LOD		62 < LOD	439 < LOD < LOD	62222 < LOD :	67	39 < LOD < LOD	12	2 < LOD < LOD < LOD < LOD :														
1940	sm7-24a	Fig. 11 / Details 1,2	rock	ppm	16	109	58	10	13	15 < LOD : < LOD < LOD < LOD < LOD		166 < LOD	664	186 < LOD	117259 < LOD : < LOD < LOD < LOD < LOD	6	3 < LOD < LOD < LOD < LOD :															
1941	sm7-24b	Fig. 11 / Details 1,2	rock	ppm	29	115	125	9	14	12 < LOD :	7 < LOD < LOD < LOD	108 < LOD	550	133 < LOD	50000 < LOD : < LOD < LOD < LOD < LOD	9	3 < LOD < LOD < LOD < LOD :															
1942	sm7-25	Fig. 11 / Details 1,2	rock	ppm	< LOD	183	63 < LOD	34		18 < LOD : < LOD	62 < LOD < LOD	189 < LOD	53 < LOD < LOD	104569 < LOD : < LOD < LOD < LOD < LOD	16	3 < LOD < LOD < LOD < LOD :																
1943	sm7-25a	Fig. 11 / Details 1,2	rock	ppm	< LOD	167	78 < LOD	54		8 < LOD : < LOD	9 < LOD < LOD	108 < LOD	42 < LOD < LOD	28251	183 < LOD < LOD < LOD < LOD	14	3 < LOD < LOD < LOD < LOD :															
1944	sm7-25b	Fig. 11 / Details 1,2	rock	ppm	4	166	91 < LOD	32		17 < LOD : < LOD	27 < LOD < LOD	108 < LOD	34 < LOD < LOD	41256	248 < LOD < LOD < LOD < LOD	16	3 < LOD < LOD < LOD < LOD :															
1945	sm7-26	Fig. 11 / Details 1,2	rock	ppm	10	174	57	8	18	27 < LOD : < LOD	26 < LOD < LOD	340 < LOD	35 &																			

Table No. 2
Black Bear East, XRF Sampling Results

XRF No.	Field No.	Fig. No./Area	Type	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au	Zn	W	Cu	Ni	Co	Fe	Mn	Sb	Sn	Cd	Ag	Nb	Y	Bi	Cr	V	Ti
1968	sm7-33b	Fig. 10 / Area 7km	rock	ppm	364	120	12 < LOD	24 < LOD : < LOD :	64	15 < LOD < LOD	249 < LOD	160 < LOD < LOD	120342 < LOD : < LOD < LOD < LOD < LOD	11	2 < LOD < LOD < LOD < LOD :	.																
1969	sm7-34	Fig. 10 / Area 7km	rock	ppm	75	153	33 < LOD	41	8	16	6 < LOD < LOD < LOD	117 < LOD	19 < LOD < LOD	14228 < LOD : < LOD < LOD < LOD < LOD	9	2 < LOD < LOD < LOD < LOD :	.															
1970	sm7-34a	Fig. 10 / Area 7km	rock	ppm	62	48	17 < LOD	34 < LOD : < LOD :	6	< LOD < LOD < LOD	77 < LOD	< LOD : < LOD < LOD	6396	82 < LOD < LOD < LOD < LOD	4	2 < LOD < LOD < LOD < LOD :	.															
1971	sm7-34b	Fig. 10 / Area 7km	rock	ppm	18	364	25 < LOD	49	17 < LOD : < LOD < LOD < LOD	10.24	47 < LOD	29 < LOD < LOD	7359	138 < LOD < LOD < LOD < LOD	24	5 < LOD < LOD < LOD 23666 :	.															
1972	sm7-35	Fig. 10 / Area 7km	rock	ppm	88	390	40	7	102	11	27	10 < LOD < LOD < LOD	187 < LOD	27 < LOD < LOD	21570	127 < LOD < LOD < LOD < LOD	21	4 < LOD < LOD < LOD < LOD :	.													
1973	sm7-35a	Fig. 10 / Area 7km	rock	ppm	57	249	43	6	66	19 < LOD :	11 < LOD < LOD < LOD	183 < LOD	< LOD : 130 < LOD	30173	168 < LOD < LOD < LOD < LOD	15	4 < LOD < LOD < LOD 18772 :	.														
1974	sm7-35b	Fig. 10 / Area 7km	rock	ppm	23	215	27 < LOD	72	5	< LOD : < LOD < LOD < LOD	42 < LOD	26 < LOD < LOD	6294	130 < LOD < LOD < LOD < LOD	8	6 < LOD < LOD < LOD < LOD :	.															
1975	sm7-36	Fig. 11 / Details 1,2	rock	ppm	117	158	29 < LOD	57 < LOD :	26	10 < LOD < LOD < LOD	119 < LOD	36 < LOD < LOD	22168 < LOD : < LOD < LOD < LOD < LOD	16	3 < LOD < LOD < LOD < LOD :	.																
1976	sm7-36a	Fig. 11 / Details 1,2	rock	ppm	42	391	29	8	90	7 < LOD :	6 < LOD < LOD < LOD	100 < LOD	< LOD : < LOD < LOD	11877	158 < LOD < LOD < LOD < LOD	20	7 < LOD < LOD < LOD < LOD :	.														
1977	sm7-36b	Fig. 11 / Details 1,2	rock	ppm	60	162	20 < LOD	30	6	< LOD :	11 < LOD < LOD < LOD	140 < LOD	20 < LOD < LOD	16024 < LOD : < LOD < LOD < LOD < LOD	8	3 < LOD < LOD < LOD < LOD :	.															
1978	sm7-37	Fig. 11 / Details 1,2	rock	ppm	35	141	40 < LOD	25 < LOD : < LOD < LOD < LOD < LOD	152 < LOD	93 < LOD < LOD	47296 < LOD : < LOD < LOD < LOD < LOD	9	4 < LOD < LOD < LOD < LOD :	.																		
1979	sm7-37a	Fig. 11 / Details 1,2	rock	ppm	66	231	22 < LOD	63	14 < LOD :	< LOD < LOD < LOD < LOD	155 < LOD	< LOD : < LOD < LOD	19133 < LOD : < LOD < LOD < LOD < LOD	13	4 < LOD < LOD < LOD < LOD :	.																
1980	sm7-37b	Fig. 11 / Details 1,2	rock	ppm	62	124	18 < LOD	17 < LOD : < LOD	27	< LOD < LOD < LOD	458 < LOD	41 < LOD < LOD	82798 < LOD : < LOD < LOD < LOD < LOD	6	6 < LOD < LOD < LOD < LOD :	.																
1981	sm7-38	Fig. 11 / Details 1,2	rock	ppm	18	123	60 < LOD	47 < LOD : < LOD < LOD < LOD < LOD	79 < LOD	120 < LOD < LOD	31174 < LOD : < LOD < LOD < LOD < LOD	12	2 < LOD < LOD < LOD < LOD :	.																		
1982	sm7-38a	Fig. 11 / Details 1,2	rock	ppm	17	112	38 < LOD	56	8 < LOD :	12 < LOD < LOD < LOD	378 < LOD	79	166 < LOD	98343	476 < LOD < LOD < LOD < LOD	6	3 < LOD < LOD < LOD < LOD :	.														
1983	sm7-38b	Fig. 11 / Details 1,2	rock	ppm	30	143	30 < LOD	24 < LOD : < LOD < LOD < LOD < LOD	514 < LOD	134	216 < LOD	138424 < LOD : 57	71 < LOD < LOD	5	2 < LOD < LOD < LOD < LOD :	.																
1984	sm7-39	Fig. 11 / Details 1,2	rock	ppm	53	49	17 < LOD	35	5 < LOD :	< LOD < LOD < LOD < LOD	76 < LOD	18 < LOD < LOD	7593	82 < LOD < LOD < LOD < LOD < LOD	2	2 < LOD < LOD < LOD < LOD :	.															
1985	sm7-39a	Fig. 11 / Details 1,2	rock	ppm	382	143	16 < LOD	34	6 < LOD :	14 < LOD < LOD < LOD	223 < LOD	26	119 < LOD	52238 < LOD : < LOD < LOD < LOD < LOD	8	4 < LOD < LOD < LOD < LOD :	.															
1986	sm7-39b	Fig. 11 / Details 1,2	rock	ppm	59	50	11 < LOD	25 < LOD : < LOD	10	< LOD < LOD < LOD	53 < LOD	< LOD : < LOD < LOD	7094 < LOD : < LOD < LOD < LOD < LOD	3	2 < LOD < LOD < LOD < LOD :	.																
1987	sm7-40	Fig. 11 / Details 1,2	rock	ppm	67	128	8 < LOD	21	11	31	25 < LOD < LOD < LOD	247 < LOD	56 < LOD < LOD	47457	134 < LOD < LOD < LOD < LOD	8	< LOD < LOD < LOD < LOD < LOD :	.														
1988	sm7-40a	Fig. 11 / Details 1,2	rock	ppm	94	140	18 < LOD	45	13 < LOD :	103 < LOD < LOD < LOD	379 < LOD	59	107 < LOD	103852	211 < LOD < LOD < LOD < LOD	11	3 < LOD < LOD < LOD < LOD :	.														
1989	sm7-40b	Fig. 11 / Details 1,2	rock	ppm	71	148	31 < LOD	44 < LOD : < LOD	14	< LOD < LOD < LOD	142 < LOD	23	97 < LOD	35306 < LOD : < LOD < LOD < LOD < LOD	7	2 < LOD < LOD < LOD < LOD :	.															
1990	sm7-41	Fig. 10 / Area 7km	rock	ppm	580	507	161	301	93	323	356 < LOD < LOD < LOD < LOD < LOD	< LOD : < LOD < LOD < LOD < LOD	6 < LOD : < LOD < LOD < LOD < LOD	117	21 < LOD < LOD < LOD < LOD :	.																
1991	sm7-41a	Fig. 10 / Area 7km	rock	ppm	13	10	10 < LOD	2	36 < LOD :	< LOD	17 < LOD < LOD	53 < LOD	< LOD : < LOD < LOD	27890 < LOD : < LOD < LOD < LOD < LOD	12	< LOD < LOD < LOD < LOD < LOD :	.															
1992	sm7-41b	Fig. 10 / Area 7km	rock	ppm	9	9	40 < LOD < LOD	12 < LOD :	15	125 < LOD < LOD	126 < LOD	169	270 < LOD	156041	761	128	105 < LOD < LOD	4	< LOD < LOD < LOD < LOD < LOD :	.												
1993	sm7-42	Fig. 10 / Area 7km	rock	ppm	9	46	22 < LOD	24	10 < LOD :	7	40 < LOD < LOD	171 < LOD	238 < LOD	158 < LOD	111935	639	109	105 < LOD < LOD	8	< LOD < LOD < LOD < LOD < LOD :	.											
1994	sm7-42a	Fig. 10 / Area 7km	rock	ppm	6	13	4 < LOD	3 < LOD :	< LOD	58 < LOD < LOD	151 < LOD	287 < LOD	73 < LOD	144090 < LOD : < LOD	2	< LOD :	.															
1995	sm7-42b	Fig. 10 / Area 7km	rock	ppm	14	65	32 < LOD	11 < LOD :	< LOD	37 < LOD < LOD	195 < LOD	258 < LOD < LOD	106470 < LOD : < LOD < LOD < LOD < LOD < LOD	2	< LOD < LOD < LOD < LOD < LOD < LOD :	.																
1996	sm7-43	Fig. 10 / Area 7km	rock	ppm	4	9	4 < LOD < LOD	< LOD :	< LOD	17 < LOD < LOD	102 < LOD	1024 < LOD	78 < LOD	152120 < LOD : < LOD	2	< LOD :	.															
1997	sm7-43a	Fig. 10 / Area 7km	rock	ppm	< LOD	3	< LOD < LOD < LOD	< LOD :	8	127 < LOD < LOD	66 < LOD	64	118 < LOD	72035	534 < LOD	2	< LOD :	.														
1998	sm7-43b	Fig. 10 / Area 7km	rock	ppm	< LOD	3	< LOD < LOD < LOD	< LOD :	22	< LOD < LOD	18 < LOD	16 < LOD < LOD	7055	85 < LOD	2	< LOD :	.															
1999	sm7-44	Fig. 10 / Area 7km	rock	ppm	< LOD	11	< LOD < LOD	< LOD :	7	< LOD < LOD < LOD	119 < LOD	985 < LOD	141 < LOD	133937	821 < LOD	26	< LOD :	.														
2000	sm7-44a	Fig. 10 / Area 7km	rock	ppm	< LOD	6	< LOD < LOD < LOD</td																									

Table No. 2
Black Bear East, XRF Sampling Results

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Black Bear East, XRF Sampling Results

XRF No.	Field No.	Fig. No./Area	Type	Units	Mo	Zr	Sr	U	Rb	Th	Pb	Se	As	Hg	Au	Zn	W	Cu	Ni	Co	Fe	Mn	Sb	Sn	Cd	Ag	Nb	Y	Bi	Cr	V	Ti	
2066	sm7-66a	Fig. 10 / Area 7km	rock	ppm	107	27	6 < LOD			5 < LOD : < LOD : < LOD < LOD < LOD < LOD	1046 < LOD	1066	323 < LOD	299998	4749 < LOD < LOD < LOD < LOD < LOD	9 < LOD < LOD < LOD < LOD : .																	
2067	sm7-66b	Fig. 10 / Area 7km	rock	ppm	103	19	3 < LOD			5 < LOD : 84	32 < LOD < LOD < LOD	1229 < LOD	938	495 < LOD	345851	1784 < LOD < LOD < LOD < LOD < LOD	LOD < LOD < LOD < LOD : .																
2068	sm7-67	Fig. 10 / Area 7km	rock	ppm	36	7	5 < LOD			2 < LOD : < LOD : < LOD < LOD < LOD	453 < LOD	586	281 < LOD	201588	7422 < LOD < LOD < LOD < LOD < LOD	LOD < LOD < LOD < LOD < LOD : .																	
2069	sm7-67a	Fig. 10 / Area 7km	rock	ppm	< LOD < LOD		9 < LOD			3 193 < LOD : < LOD < LOD < LOD < LOD	316 < LOD	63	193 < LOD	52476	7231 < LOD < LOD < LOD < LOD < LOD	4 < LOD < LOD < LOD < LOD : .																	
2070	sm7-67b	Fig. 10 / Area 7km	rock	ppm	< LOD	260	151	15		56 19 < LOD : < LOD < LOD < LOD < LOD	1006 < LOD	83	141 < LOD	116154	4378 < LOD < LOD < LOD < LOD	16	11 < LOD < LOD < LOD < LOD	17605	.														
2071	sm7-68	Fig. 11 / Details 1,2	rock	ppm	17	27	9 < LOD			5 < LOD : < LOD : < LOD < LOD < LOD	914 < LOD	195	461 < LOD	259005	15526	75	43 < LOD < LOD < LOD	3 < LOD < LOD < LOD < LOD : .															
2072	sm7-68a	Fig. 11 / Details 1,2	rock	ppm	6	45	26 < LOD			10 < LOD : 34 < LOD < LOD < LOD	3439 < LOD	157	303 < LOD	259427	15596	69 < LOD < LOD < LOD < LOD	11 < LOD < LOD < LOD < LOD : .																
2073	sm7-68b	Fig. 11 / Details 1,2	rock	ppm	< LOD < LOD < LOD < LOD	< LOD : < LOD : < LOD < LOD				42 < LOD < LOD : < LOD < LOD	3407	827 < LOD : .																					
2074	sm7-69	Fig. 11 / Details 1,2	rock	ppm	< LOD	12	13 < LOD			12 < LOD : < LOD < LOD < LOD	8 < LOD	34 < LOD	2681	165 < LOD : .																			
2075	sm7-69a	Fig. 11 / Details 1,2	rock	ppm	< LOD	14	16 < LOD			14 < LOD : < LOD < LOD < LOD < LOD	61 < LOD	4682 < LOD	4682 < LOD < LOD < LOD < LOD < LOD	3 < LOD < LOD < LOD < LOD < LOD : .																			
2076	sm7-69b	Fig. 11 / Details 1,2	rock	ppm	< LOD	7	8 < LOD			7 < LOD : < LOD < LOD < LOD < LOD	39 < LOD	3258 < LOD	3258 < LOD : .																				
2077	sm7-70	Fig. 11 / Details 1,2	rock	ppm	8	5	3 < LOD			3 < LOD < LOD : < LOD < LOD < LOD	225 < LOD	101 < LOD	30792	2560 < LOD : .																			
2078	sm7-70a	Fig. 11 / Details 1,2	rock	ppm	< LOD < LOD	25	16 < LOD			16 < LOD : < LOD < LOD < LOD < LOD	259 < LOD	28	78 < LOD	151601	7260 < LOD : .																		
2079	sm7-70b	Fig. 11 / Details 1,2	rock	ppm	< LOD < LOD	10	6 < LOD			6 < LOD : 25 < LOD < LOD	412 < LOD	47	471 < LOD	389791	19877 < LOD : .																		
2080	sm7-71	Fig. 11 / Details 1,2	rock	ppm	31	21	4 < LOD			4 < LOD : 14 < LOD < LOD	920 < LOD	1195	265 < LOD	253723	4076 < LOD < LOD < LOD < LOD	5 < LOD : .																	
2081	sm7-71a	Fig. 11 / Details 1,2	rock	ppm	< LOD < LOD	5	2 < LOD			2 < LOD : 20 < LOD < LOD < LOD	58 < LOD	51 < LOD	106353	651 < LOD	51 < LOD	21 < LOD < LOD < LOD < LOD : .																	
2082	sm7-71b	Fig. 11 / Details 1,2	rock	ppm	34	17	2 < LOD			2 < LOD : 5 < LOD < LOD	793 < LOD	406	195 < LOD	149089	1876 < LOD < LOD < LOD < LOD < LOD	4 < LOD < LOD < LOD < LOD < LOD : .																	
2083	sm7-72	Fig. 10 / Area 7km	rock	ppm	< LOD < LOD	17	2 < LOD			2 < LOD : < LOD < LOD < LOD	133 < LOD	45 < LOD	23297	317 < LOD	317 < LOD : .																		
2084	sm7-72a	Fig. 10 / Area 7km	rock	ppm	30	40	6 < LOD			12 < LOD : < LOD	110	19 < LOD	878 < LOD	697	375 < LOD	276001	5053 < LOD < LOD < LOD < LOD < LOD	3 < LOD < LOD < LOD < LOD < LOD : .															
2085	sm7-72b	Fig. 10 / Area 7km	rock	ppm	23	448	322	16		41 < LOD : 26 < LOD < LOD < LOD	1314 < LOD	301	286 < LOD	163961	6224 < LOD < LOD < LOD < LOD	12	16 < LOD < LOD < LOD < LOD : .																
2086	sm7-73	Fig. 10 / Area 7km	rock	ppm	< LOD < LOD	2	5 < LOD			2 < LOD : < LOD < LOD < LOD	124 < LOD	25	154 < LOD	158013	5793 < LOD : .																		
2087	sm7-73a	Fig. 10 / Area 7km	rock	ppm	15	10	5 < LOD			7 < LOD : 61 < LOD	653 < LOD	330	295 < LOD	298497	5965 < LOD < LOD < LOD < LOD < LOD	3 < LOD < LOD < LOD < LOD < LOD : .																	
2088	sm7-73b	Fig. 10 / Area 7km	rock	ppm	13	12	7 < LOD			14 < LOD : 21 < LOD < LOD	424 < LOD	204	242 < LOD	261285	10251 < LOD < LOD < LOD < LOD < LOD	3 < LOD < LOD < LOD < LOD < LOD : .																	
2089	sm7-74	Fig. 10 / Area 7km	rock	ppm	13	7	18 < LOD			18 < LOD : 73 < LOD	948 < LOD	471 < LOD	299976	33598 < LOD < LOD < LOD < LOD < LOD	5 < LOD < LOD < LOD < LOD < LOD : .																		
2090	sm7-74a	Fig. 10 / Area 7km	rock	ppm	< LOD	73	79 < LOD			27 < LOD : < LOD < LOD < LOD	124 < LOD	28 < LOD	71179	4457 < LOD < LOD < LOD < LOD	5 < LOD < LOD < LOD < LOD < LOD : .																		
2091	sm7-74b	Fig. 10 / Area 7km	rock	ppm	< LOD	49	43 < LOD			23 < LOD : < LOD < LOD < LOD	288 < LOD	113	127 < LOD	30179	1246 < LOD < LOD < LOD < LOD < LOD	2 < LOD < LOD < LOD < LOD < LOD : .																	
2092	sm7-75	Fig. 10 / Area 7km	rock	ppm	< LOD	38	59 < LOD			26 < LOD : < LOD < LOD < LOD	64 < LOD	64 < LOD	16104	1413 < LOD < LOD < LOD < LOD	5 < LOD < LOD < LOD < LOD < LOD : .																		