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: **$22,084.00**

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): **5595434 (October 15, 2015 to March 11, 2016)**

YEAR OF WORK: **2015 & 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	147	1038879	$14,991.33
Other	N/A		
DRILLING (total metres, number of holes, size, storage location)			
Core	N/A		
Non-core	N/A		
RELATED TECHNICAL			
Sampling / Assaying	147	1038879	$ 7,092.67
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	$22,084.00

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.

for

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

Prepared by:
Rein Turna

July 20, 2016

Figure No. 1 Black Bear East property. View is toward the north. The former Providence Mine is at upper left. Indicated above centre is the Black Bear East Area LA where rock sampling was done in 2015 - 2016. Access is from the south via the Black Bear Road or the Spanish Creek Road toward the east.

1.0 SUMMARY

Work performed on Barker Minerals Ltd.'s Black Bear East property consisted of rock sampling. 147 geochemical analyses were made of rocks collected in this program. This report describes the follow up work done. Detailed maps and geochemical data are presented in Appendix H.

TABLE OF CONTENTS

LIST of FIGURES

LIST of TABLES

LIST of APPENDIXES

2.0 INTRODUCTION

This report describes assessment work performed in 2015 - 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.

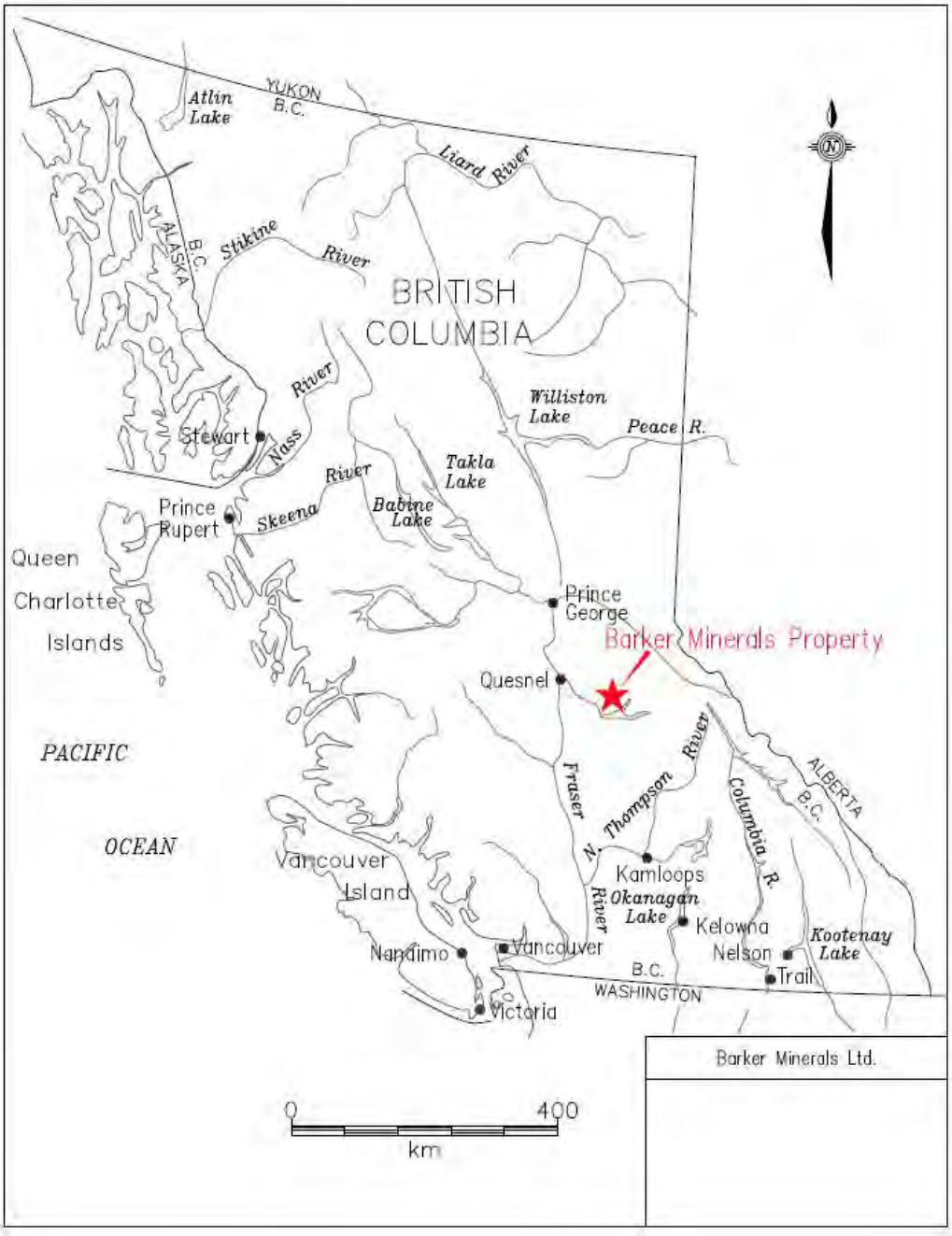


Figure No. 2 Barker Minerals Ltd. Black Bear East property location in British Columbia.

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.

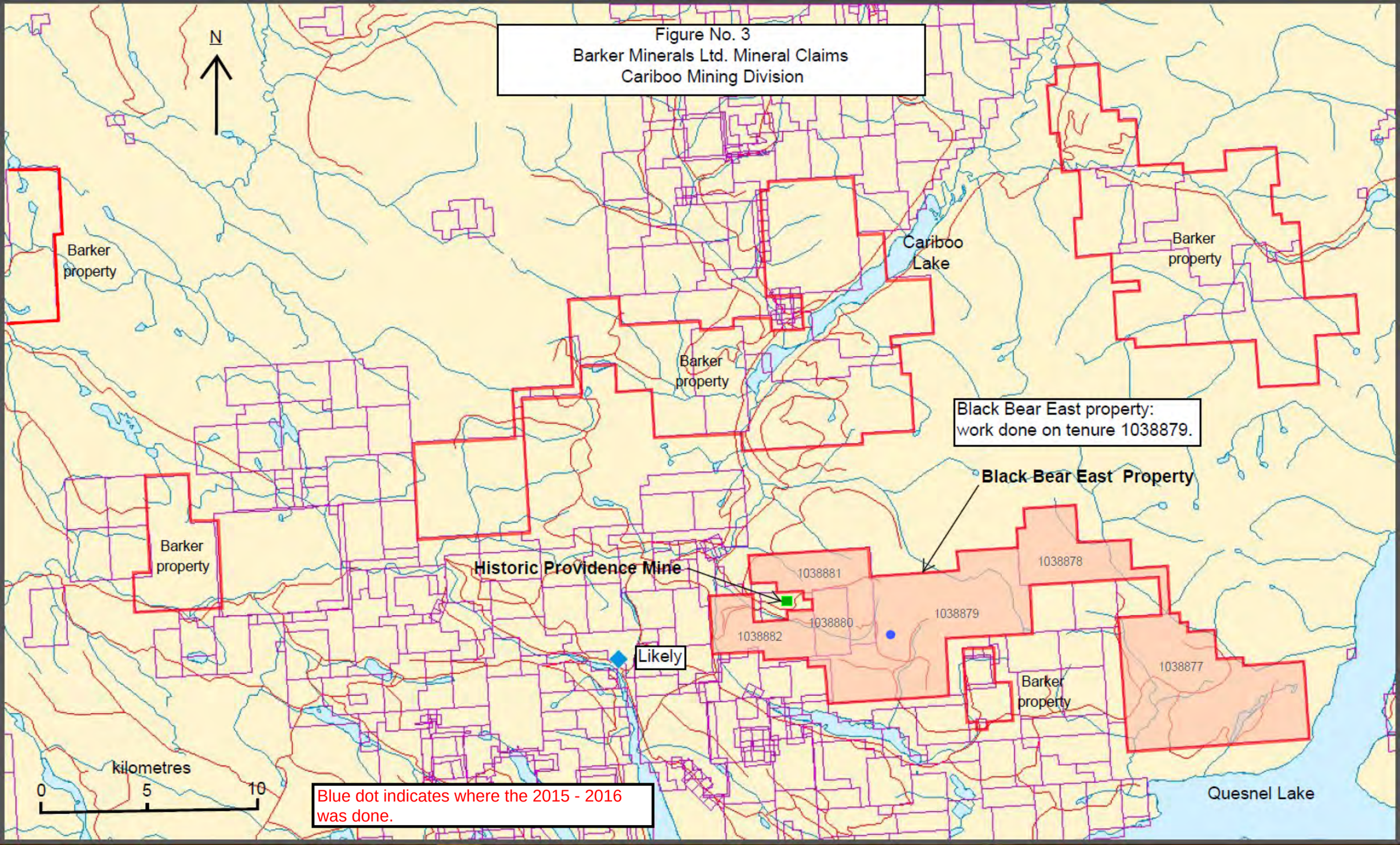


Figure No. 3
Barker Minerals Ltd. Mineral Claims
Cariboo Mining Division
N
Barker property
Barker property
Barker property
Barker property
Barker property
Cariboo Lake
Black Bear East property: work done on tenure 1038879.
Black Bear East Property
Historic Providence Mine
Likely
1038881
1038878
1038880
1038879
1038882
1038877
kilometres
0
5
10
Blue dot indicates where the 2015 - 2016 was done.
Quesnel Lake

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.

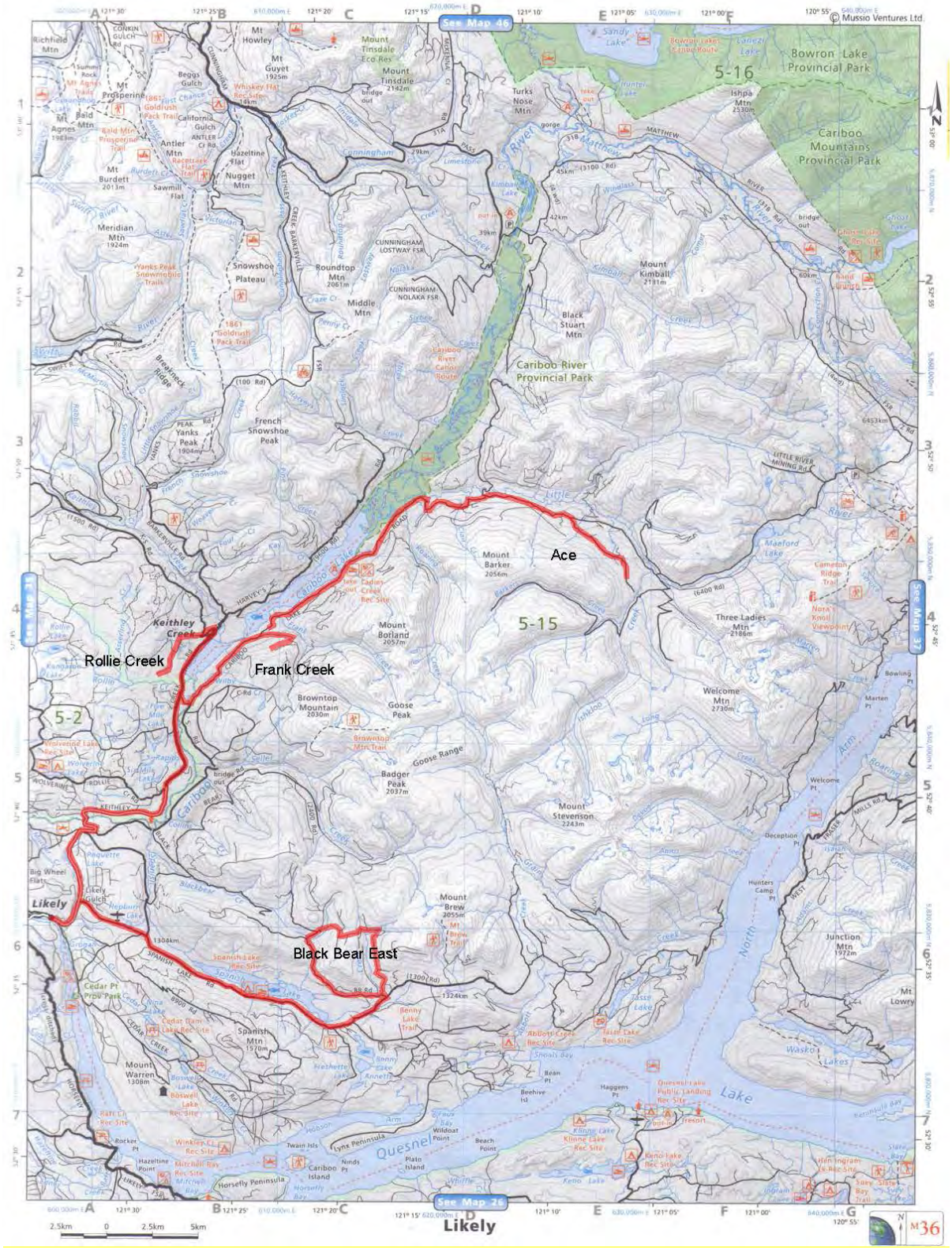


Figure No. 4 Access roads from Likely to several of Barker Minerals' properties.

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 to38 ppm). Zn anomalies occurred more extensively.

7.0 GEOLOGY

7.1 Regional Geology

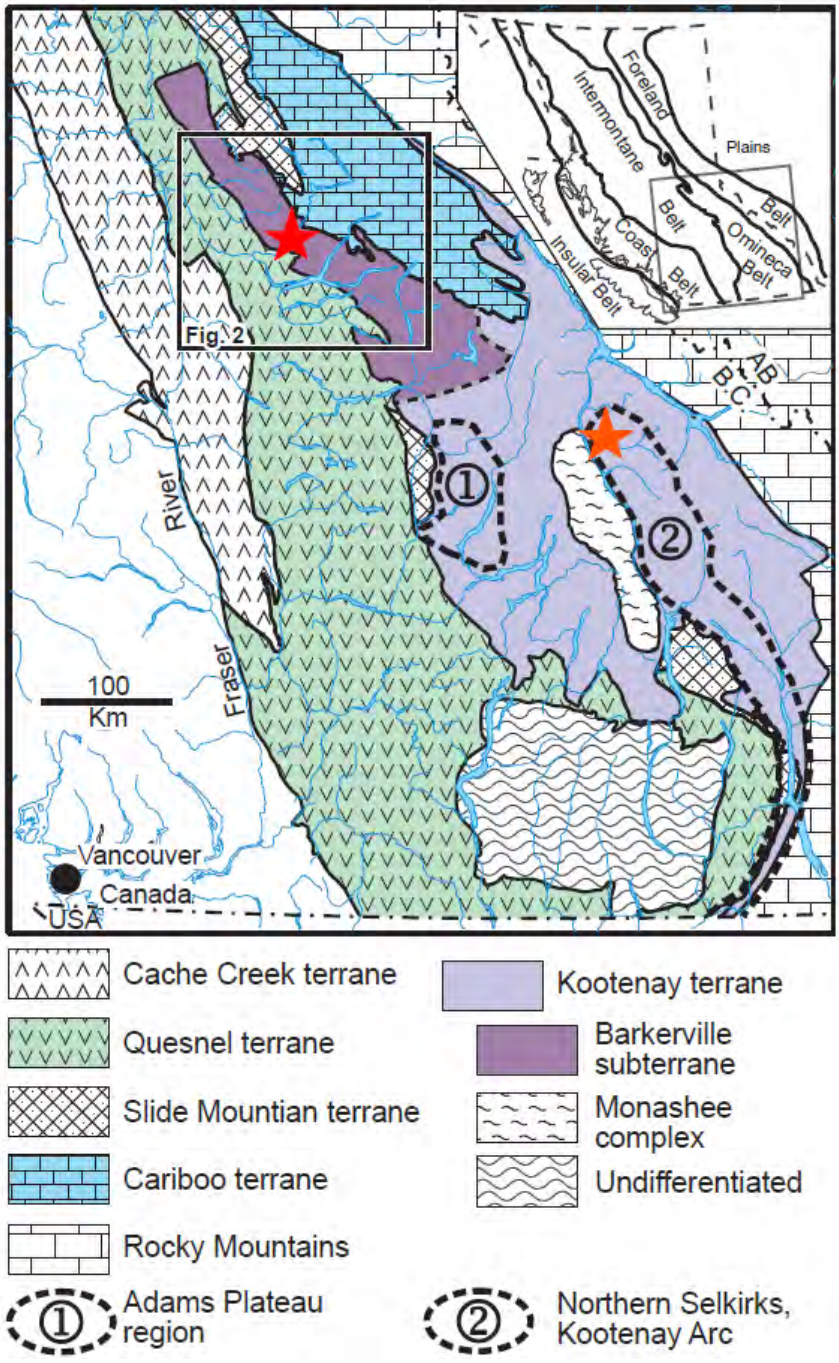


Figure No. 5 Terrane Map of Southern British Columbia. Barker Minerals' properties are indicated by the red star over the Barkerville subterrane. The brown star to the SE is the Barkerville Gold Mine Ltd.' Goldstream volcanogenic massive sulphide deposit. Map is from Ferri, F. & Schiarizza, P., 2006.

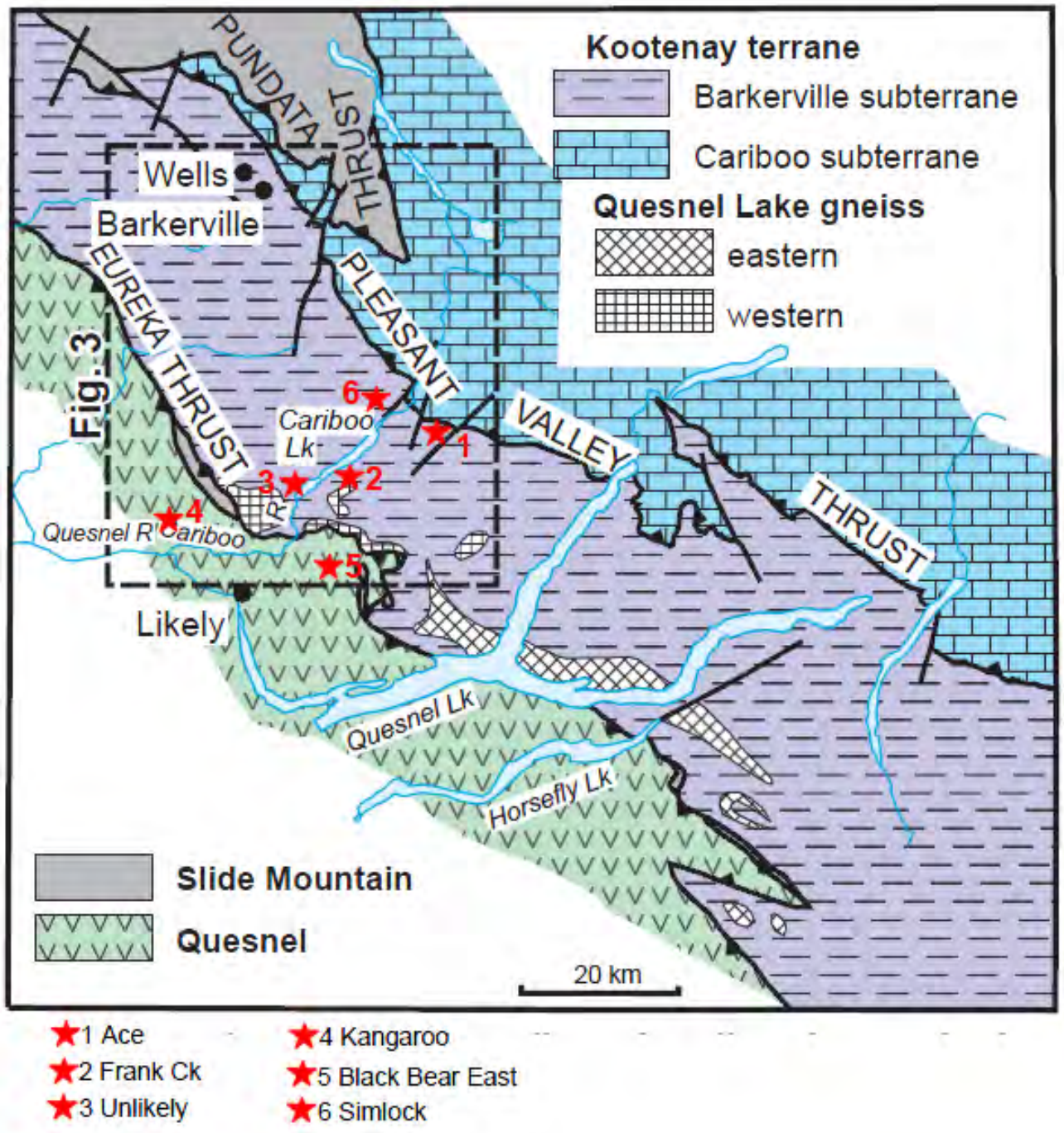


Figure No. 6 Terrane Map of Cariboo Lake – Wells Area. Several Barker Minerals' properties are indicated by red stars. Map is from Ferri, F. & Schiarizza, P., 2006.

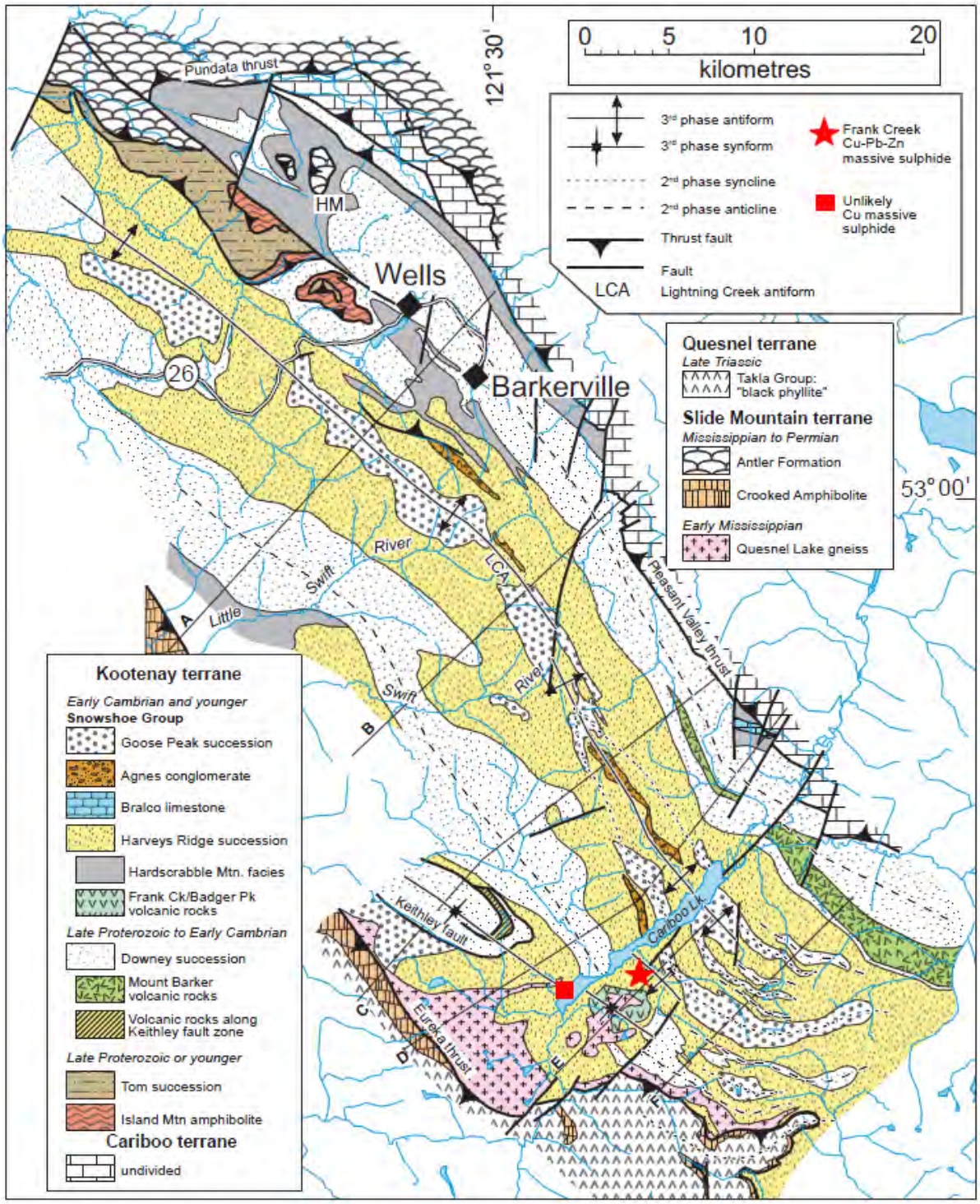


Figure No. 7 Geology of Wells-Cariboo Lake area. Highlighted on the BCGS map are Barker Minerals' Frank Creek and Unlikely massive sulphide prospects. The Harveys Ridge succession consists of siltstone, quartzite and the Frank Creek volcanics. Map is from Ferri, F. & Schiarizza, P., 2006.

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.

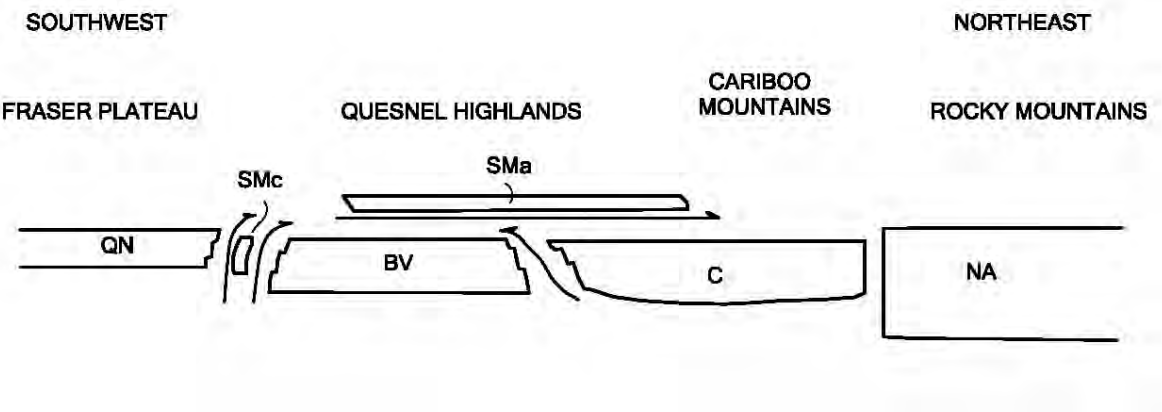


Figure No. 8 Schematic regional structural section from southwest to northeast across the four Terranes in Barker Minerals' claims area, showing the relative structural position of the Terranes. The Terrane symbols are BV-Barkerville, C-Cariboo, Sma-Slide Mountain (Antler Formation), SMc-Slide Mountain (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 volcaniclastic 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 volcaniclastic 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, 2015 - 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, 147 geochemical analyses were made.

8.2 Economic Targets and Work Done

Rock sampling was done over 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 in certain areas. Mo and As were spottily anomalous.

In Area LA, Zn and Cu results ranged up to 743 ppm for Zn and 264 ppm for Cu. The occurrence of these anomalous values was scattered, with no particular location deemed to be important. Several samples were anomalous in Mo (up to 544 ppm) and As (up to 312 ppm). Rock sample No. 4780 had **10.23 ppm Au**. No other elements had anomalous concentrations in this sample.

9.0 CONCLUSIONS

Gold (**10.23 ppm Au**) and anomalous values in useful pathfinder elements (esp. Zn and Cu) occurred in the relatively small survey area.

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 and chloritic mafic volcanics.

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.	*exemplī grātiā* (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_2O plus K_2O) 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. - Claim details

Title Number	Claim Name	Owner	Title Type	Title Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
1038877		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	4517.581
1038878		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	1687.5442
1038879		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	4337.337
1038880		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	549.495
1038881		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	1412.3587
1038882		140410 (100%)	Mineral	Claim	093A	2015/sep/27	2016/sep/07	GOOD	1177.509

APPENDIX C

Analytical Methods

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

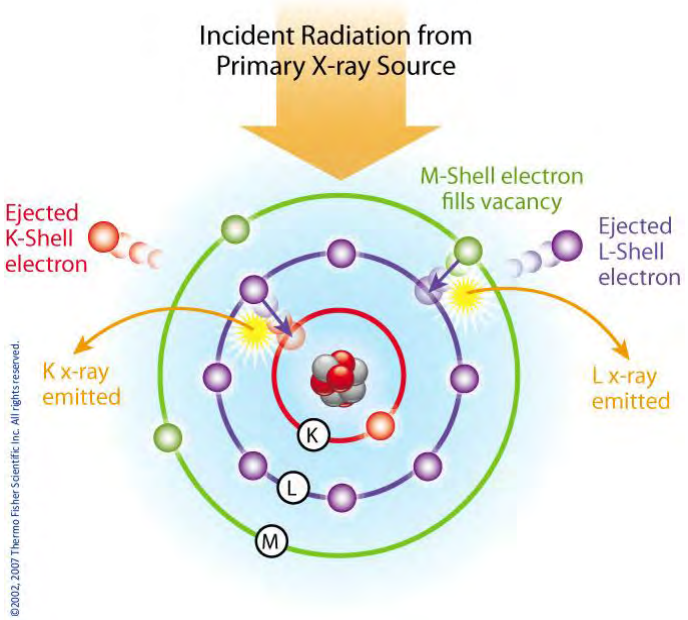
Thermo Scientific portable energy-dispersive x-ray fluorescence (EDXRF) analyzers, commonly known as XRF analyzers, can quickly and nondestructively determine the elemental composition of metal and precious metal samples of rocks, ore and soil.

Up to 40 elements may be analyzed simultaneously by measuring the characterisitic 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

The references listed here are relevant to Barker Minerals 'Ltd. 80 km x 30 km contiguous mineral claim.

All Assessment Reports listed below are available for free download at the Ministry of Energy, Mines and Petroleum Resources' website for the Assessment Report Indexing System (ARIS). http://www.em.gov.bc.ca/Mining/Geolsurv/Aris/default.htm

Bowman, A., Report on the Geology of the Mining District of Cariboo, British Columbia, in Geological and Natural History Survey of Canada Reports and Maps of Investigations and Surveys, 1887-1888; Selwyn, A R C; Geological Survey of Canada, Annual Report vol. 3, pt. 1, 1889; pages 1C-49C 5 sheets, including a Map of the Cariboo Mining District, GSC Map 278, (1889).

Brown, A.S., Geology of the Cariboo River Area, British Columbia, BC Department of Mines and Petroleum Resources, Bulletin No. 47, 1963.

Buckley, R., Geochemical Report, Like Claims, China Mountain Project, B.C., 1976 Work Program, October 6, 1976 (Assessment Report 6048).

Cooper, G.N., Geological and Geochemical Evaluation of the Trump Group Mineral Claims, December 1984. (Assessment Report 13285).

Doyle, L.E., Trenching, Prospecting, and Physical Work Assessment Report on the Cariboo, Tasse, Black Bear, and Peripheral Properties, April 29, 2011. (Assessment Report 32209).

Doyle, L.E., Diamond Drilling, Geological Mapping, Trenching, Prospecting, and Physical Work Assessment Report on the Frank Creek, Black Bear, and Simlock Properties, January 27, 2012. (Assessment Report 32696).

Doyle, L.E., Diamond Drilling and Physical Work Assessment Report from the Providence Target on the Black Bear Silver/Gold Property, October 4, 2012. (Assessment Report 33309).

Ferri, F., Hőy, T., and Friedman, R.M., Description, U-Pb Age and Tectonic Setting of the Quesnel Lake Gneiss, East-Central British Columbia, in Geological Fieldwork 1998, B.C. Ministry of Energy and Mines, Paper 1999-1.

Ferri, F., and O'Brien, B.H., Preliminary Geology of the Cariboo Lake Area, Central British Columbia (093A/11, 12, 13 and 14), in Geological Fieldwork 2001, B.C. Ministry of Energy and Mines, Paper 2002-1.

Ferri, F., and O'Brien, B.H., Geology of the Cariboo Lake Area, Central British Columbia (093A/11, 12, 13 and 14), B.C. Ministry of Energy and Mines, Open File 2003-1.

Ferri, F., and O'Brien, B.H., Geology and Massive Sulphide Potential of the Barkerville Terrane, Cariboo Lake Area, British Columbia, BC Geological Survey Branch, Cordillerran Roundup Poster No. 8, Information Circular 2002-3. http://www.empr.gov.bc.ca/DL/GSBPubs/InfoCirc/IC2002-3/08-Ferri_Barkerville.pdf

Ferri, F. & Schiarizza, P., Re-interpretation of the Snowshoe Group stratigraphy across a south-west verging nappe structure and its implications for regional correlations within the Kootenay terrane in Geological Association of Canada GAC Special Paper 45, 2006.

Geological Survey of Canada, Likely Survey, 2009. An airborne geophysical survey in 2008-2009 covering a 30 km x 150 km area oriented NW-SE between the latitudes of Quesnel and Williams Lake. A series of 1:50,000 scale magnetic and gamma-ray spectrometric maps, published as GSC Open Files 6157 to 6166.

Geological Survey of Canada, Cariboo Lake Survey, 2009. A detailed airborne geophysical survey over the central portion of the Likely survey. The flight lines were 200 m apart and oriented NE-SW as before. A series of 1:20,000 scale magnetic and electromagnetic maps published as GSC Open Files 6232 to 6252.

Jones, T.A., BB Group - Report on Geology & Geochemistry, July 1981. (Assessment Report 10251).

Jones, T.A., BT Group – Report on Geology & Geochemistry, March 1982. (Assessment Report 10252).

Logan, J.M. and Moynihan, D.P., Geology and Mineral Occurrences in the Quesnel River Map Area, central British Columbia (NTS 093B/16), in Geological Fieldwork 2008, B.C. Ministry of Energy and Mines, Paper 2009-1.

Logan, J.M. et. al., Bedrock Geology of the QUEST Map Area, central British Columbia, BCGS Map 2010-1, GBC Report 2010-5, GSC Open File 6476.

Mark, D.G., Geophysical Report on a Seismic Refraction Survey, on Placer Lease 1120, Spanish Creek Area, August 22, 1980. (Assessment Report 8318).

Matherly, M., B.B. Claim, Blackbear Mountain, Prospecting Report 1988, September 17, 1988. (Assessment Report 17751).

Matherly M., Paterson S., Assessment Report for Geology and Soil Geochemistry of the Spanish Creek Properties, November 15, 1989. (Assessment Report 19415).

Panteleyev, A., Bailey, D.G., Bloodgood, M.A. and Hancock K.D., Geology and Mineral Deposits of the Quesnel River – Horsefly Map Area, Central Quesnel Trough, British Columbia, NTS Mapsheets 93A/5, 6, 7, 11, 12, 13; 93B/9, 16; 93G/1; 93H4, (1996), BC Geological Survey Branch Bulletin 97.

Payne, J.G., Preliminary Lithological Report on the Frank Creek VMS Prospect – and the Linecutting and Grid Preparation on the Black Bear, Sellers, Upper Grain, and Tasse Prospects, August 1999. (Assessment Report 26003).

QUEST Survey: regarding numerous reports and maps see www.geosciencebc.com/s/Quest.asp.

Schiarizza, P., Bedrock Geology and Lode Gold Occurrences, Cariboo Lake to Wells, British Columbia (Parts of NTS 93A/13, 14; 93H/3,4), BC Ministry of Energy, Mines, and Petroleum Resources, Open File 2004-12.

Schiarizza, P. and Ferri, F., Barkerville Terrane, Cariboo Lake to Wells: A New Look at Stratigraphy, Structure and Regional Correlations of the Snowshoe Group, in Geological Fieldwork 2002, B.C. MEMPR, Paper 2003-1.

Struik, L.C., Bedrock Geology of Spanish Lake (93A11) and Parts of Adjoining Map Areas, British Columbia, GSC Open File 920, 1983.

Struik, L.C., Bedrock Geology of Quesnel Lake (93A10) and Part of Mitchell Lake (93A15) Map Areas, Central British Columbia, GSC Open file 962, 1983.

Struik, L.C., Structural Geology of the Cariboo Gold Mining District, East Central British Columbia, GSC Memoir 421, 1988.

Thompson, D.A., Report on the Otto Project, Likely Area, January 20, 1990. (Assessment Report 20062).

Turna, R., Drilling and Geological Assessment Report on the Frank Creek, Black Bear, Gerimi and Peripheral Properties, February 10, 2009a. Assessment Report 30764).

Turna, R., Technical Report on the Black Bear Property, Cariboo Lake Area, Cariboo Mining Division, British Columbia, October 5, 2009c. Report filed with System for Electronic Document Analysis and Retrieval (SEDAR) under authority of Canadian Securities Administrators (CSA).

Turna, R., Geochemical Assessment Report on the Frank Creek and Black Bear East Properties, tenure nos. 514364, 514272, December 13, 2014. (Assessment Report 35012).

Turna, R. Geological, Geochemical, Prospecting and Physical Work Assessment Report on the Frank Creek, Black Bear East and Peripheral Properties. February 18, 2015, Amended September 7, 2015. (Assessment Report 35157).

Turna, R., Logan, J., Doyle, L.E., Diamond Drilling, Geological Mapping, Trenching, Prospecting and Physical Work Assessment Report on the Black Bear and Frank Creek Properties, December 9, 2013. (Assessment Report: 34331).

Turna, R., Geochemical Assessment Report on the Main Group, Comprised of the Two Mile Creek, Ace, Black Bear East and peripheral properties, Assessment Report dated March 15, 2016.

Turna, R., Geochemical Assessment Report on the Black Bear East Property, Assessment Report dated May 1, 2016.

Turner, J.A., Geological and Geochemical Report on the Phantom 1 Claim, September 21, 1983. (Assessment Report 11458).

Tutt, D.W., Geology and Geochemistry of the Ace Cu-Au-Ag-Zn-(Pb) Property, Barkerville Subterrane East-Central BC, B.Sc. Thesis, University of Victoria, June 2000.

Woodsworth, B., Report on the Geology and Proposal for Development of [the Big 2 and Big 3 Claims], Blackbear Creek Area, October 1983. (Assessment Report 12566).

Additional References:

Barker Minerals Ltd. website http://www.barkerminerals.com/s/Background.asp

BC Ministry of Energy Mines and Petroleum Resources, Mineral Deposit Models:

Deposit Type I01 - Au-quartz veins

BC Ministry of Energy Mines and Petroleum Resources, Minfile Mineral Inventory:

Minfile No. 093A 043 (Spanish Mountain)
http://minfile.gov.bc.ca/report.aspx?f=PDF&r=Minfile_Detail.rpt&minfilno=093A++043

Minfile No. 093A 003 (Providence, Black Bear)
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.
July 20, 2016

APPENDIX F

STATEMENT of EXPENDITURES

Barker Minerals Ltd.

Work was completed between October 15, 2015 and March 11, 2016

Work was done on claim # 1038879

Event # 5595434

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	6	$ 600.00	$ 3,600.00
Room & board	6	$ 150.00	$ 900.00
Colleen Doyle			
Report compilation and filing	1	$ 350.00	$ 350.00
Room & board	1	$ 150.00	$ 150.00
			$ 5,750.00

Black Bear East Property - Geochemical - Field Days

	Date	Days	Rate	Subtotal
Louis Doyle				
Rock sample collections 1-br 41	November 25, 2015	1	$ 600.00	$ 600.00
Rock sample collections 1-br 41	November 26, 2015	1	$ 600.00	$ 600.00
Rock sample collections 1-br 41	November 27, 2015	1	$ 600.00	$ 600.00
Rock sample collections 1-br 41	November 28, 2015	1	$ 600.00	$ 600.00
Rock sample collections bra1-bra8	November 29, 2015	1	$ 600.00	$ 600.00
Rock sample collections bra1-bra8	November 30, 2015	1	$ 600.00	$ 600.00
Room & Board (day rate)		6	$ 150.00	$ 900.00
Vehicle & gas (day rate)		6	$ 150.00	$ 900.00
Brian Hall				
Rock sample collections 1-br 41	November 25, 2015	1	$ 500.00	$ 500.00
Rock sample collections 1-br 41	November 26, 2015	1	$ 500.00	$ 500.00
Rock sample collections 1-br 41	November 27, 2015	1	$ 500.00	$ 500.00
Rock sample collections 1-br 41	November 28, 2015	1	$ 500.00	$ 500.00
Rock sample collections bra1-bra8	November 29, 2015	1	$ 500.00	$ 500.00
Rock sample collections bra1-bra8	November 30, 2015	1	$ 500.00	$ 500.00
Room & Board (day rate)		6	$ 150.00	$ 900.00

Intentionally left blank

Barker Minerals Ltd.

Event # 5595434

Work was completed between October 15, 2015 and March 11, 2016

Work was done on claim # 1038879

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

	Date	Days	Rate	Subtotal
Louis Doyle				
Rock sample preparation & description	January 13, 2016	1	$ 600.00	$ 600.00
Rock sample preparation & description	January 14, 2016	1	$ 600.00	$ 600.00
Room & Board (day rate)		2	$ 150.00	$ 300.00
Brian Hall - XRF operator				
XRF Analysis	January 13, 2016	1	$ 500.00	$ 500.00
XRF Analysis	January 14, 2016	1	$ 500.00	$ 500.00
Room & Board (day rate)		2	$ 150.00	$ 300.00
XRF rental		8	$ 200.00	$ 1,600.00
				$ 13,700.00

Black Bear East Property - All miscellaneous expenditures

Exploration supplies & equipment

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

Exploration supplies & equipment				$ 490.00
MTC rental		8	$ 250.00	$ 2,000.00
Communication devices	**Hand held radios**	6	$ 7.00	$ 42.00
	Satelite phones	6	$ 12.00	$ 72.00
	Spot emergency locators	6	$ 5.00	$ 30.00
		Sub-total		**$ 2,634.00**

Black Bear East Property Expenditure Summary

Geological - Office	**Sub-total**	**$ 5,750.00**
Geochemical - Field Days	**Sub-total**	**$ 13,700.00**
Misc. Expenditures	**Sub-total**	**$ 2,634.00**
	Total	**$ 22,084.00**

APPENDIX G

ROCK SAMPLE DESCRIPTIONS AND COORDINATES

Table No. 1
Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description		Comment	Magnetic
						XRF Target Features			
						1 = sample of main mass	4 = sulphide band		
						2 = quartz vein	5 = rusty, altered		
						3 = sulphide bleb	6 = other		
		Black Bear East 2016 Rock Sampling							
4680	br1	Area LA / Fig. 9	Rock	612261	5829901	1	Float, host rock, argillite	Main rock mass	N
4681	br1a	Area LA / Fig. 9	Rock	612261	5829901	1	Float, host rock, argillite	Main rock mass	N
4686	br1b	Area LA / Fig. 9	Rock	612261	5829901	1	Float, host rock, argillite	Main rock mass	N
4787	br2	Area LA / Fig. 9	Rock	612332	5830040	1	Float, host rock, argillite	Main rock mass	N
4782	br2a	Area LA / Fig. 9	Rock	612332	5830040	1	Float, host rock, argillite	Main rock mass	N
4783	br2b	Area LA / Fig. 9	Rock	612332	5830040	1	Float, host rock, argillite	Main rock mass	N
4784	br3	Area LA / Fig. 9	Rock	612322	5830158	1	Float, host rock, argillite	Main rock mass	N
4785	br3a	Area LA / Fig. 9	Rock	612322	5830158	1	Float, host rock, argillite	Main rock mass	N
4788	br3b	Area LA / Fig. 9	Rock	612322	5830158	1	Float, host rock, argillite	Main rock mass	N
4789	br4	Area LA / Fig. 9	Rock	612379	5830344	1	Float, host rock, argillite	Main rock mass	N
4790	br4a	Area LA / Fig. 9	Rock	612379	5830344	1	Float, host rock, argillite	Main rock mass	N
4791	br4b	Area LA / Fig. 9	Rock	612379	5830344	1	Float, host rock, argillite	Main rock mass	N
4792	br5	Area LA / Fig. 9	Rock	612381	5830474	1	Float, host rock, argillite	Main rock mass	N
4793	br5a	Area LA / Fig. 9	Rock	612381	5830474	1	Float, host rock, argillite	Main rock mass	N
4794	br5b	Area LA / Fig. 9	Rock	612381	5830474	1	Float, host rock, argillite	Main rock mass	N
4795	br6	Area LA / Fig. 9	Rock	612385	5830643	1	Float, host rock, argillite	Main rock mass	N
4796	br6a	Area LA / Fig. 9	Rock	612385	5830643	1	Float, host rock, argillite	Main rock mass	N
4797	br6b	Area LA / Fig. 9	Rock	612385	5830643	1	Float, host rock, argillite	Main rock mass	N
4798	br7	Area LA / Fig. 9	Rock	612294	5830706	1	Float, host rock, argillite	Main rock mass	N
4799	br7a	Area LA / Fig. 9	Rock	612294	5830706	1	Float, host rock, argillite	Main rock mass	N
4800	br7b	Area LA / Fig. 9	Rock	612294	5830706	1	Float, host rock, argillite	Main rock mass	N
4801	br8	Area LA / Fig. 9	Rock	612247	5830820	1	Float, host rock, argillite	Main rock mass	N
4802	br8a	Area LA / Fig. 9	Rock	612247	5830820	1	Float, host rock, argillite	Main rock mass	N
4803	br8b	Area LA / Fig. 9	Rock	612247	5830820	1	Float, host rock, argillite	Main rock mass	N
4804	br9	Area LA / Fig. 9	Rock	612181	5830879	1	Float, host rock, argillite	Main rock mass	N
4805	br9a	Area LA / Fig. 9	Rock	612181	5830879	1	Float, host rock, argillite	Main rock mass	N
4806	br9b	Area LA / Fig. 9	Rock	612181	5830879	1	Float, host rock, argillite	Main rock mass	N
4807	br10	Area LA / Fig. 9	Rock	612100	5830927	1	Float, host rock, argillite	Main rock mass	N
4808	br10a	Area LA / Fig. 9	Rock	612100	5830927	1	Float, host rock, argillite	Main rock mass	N
4809	br10b	Area LA / Fig. 9	Rock	612100	5830927	1	Float, host rock, argillite	Main rock mass	N
4810	br11	Area LA / Fig. 9	Rock	612014	5831026	1	Float, host rock, argillite	Main rock mass	N
4811	br11a	Area LA / Fig. 9	Rock	612014	5831026	1	Float, host rock, argillite	Main rock mass	N
4812	br11b	Area LA / Fig. 9	Rock	612014	5831026	1	Float, host rock, argillite	Main rock mass	N
4813	br12	Area LA / Fig. 9	Rock	612071	5831147	1	Float, host rock, argillite	Main rock mass	N
4814	br12a	Area LA / Fig. 9	Rock	612071	5831147	1	Float, host rock, argillite	Main rock mass	N
4815	br12b	Area LA / Fig. 9	Rock	612071	5831147	1	Float, host rock, argillite	Main rock mass	N
4816	br13	Area LA / Fig. 10	Rock	612043	5831227	1	Float, host rock, argillite	Main rock mass	N
4817	br13a	Area LA / Fig. 10	Rock	612043	5831227	1	Float, host rock, argillite	Main rock mass	N
4818	br13b	Area LA / Fig. 10	Rock	612043	5831227	1	Float, host rock, argillite	Main rock mass	N

Table No. 1

Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description		Comment	Magnetic
4819	br14	Area LA / Fig. 10	Rock	611936	5831274	1	Float, host rock, argillite	Main rock mass	N
4820	br14a	Area LA / Fig. 10	Rock	611936	5831274	1	Float, host rock, argillite	Main rock mass	N
4821	br14b	Area LA / Fig. 10	Rock	611936	5831274	1	Float, host rock, argillite	Main rock mass	N
4822	br15	Area LA / Fig. 10	Rock	611875	5831344	1	Float, host rock, argillite	Main rock mass	N
4823	br15a	Area LA / Fig. 10	Rock	611875	5831344	1	Float, host rock, argillite	Main rock mass	N
4824	br15b	Area LA / Fig. 10	Rock	611875	5831344	1	Float, host rock, argillite	Main rock mass	N
4825	br16	Area LA / Fig. 10	Rock	611836	5831419	1	Float, host rock, argillite	Main rock mass	N
4826	br16a	Area LA / Fig. 10	Rock	611836	5831419	1	Float, host rock, argillite	Main rock mass	N
4827	br16b	Area LA / Fig. 10	Rock	611836	5831419	1	Float, host rock, argillite	Main rock mass	N
4828	br17	Area LA / Fig. 10	Rock	611808	5831471	1	Float, host rock, argillite	Main rock mass	N
4829	br17a	Area LA / Fig. 10	Rock	611808	5831471	1	Float, host rock, argillite	Main rock mass	N
4830	br17b	Area LA / Fig. 10	Rock	611808	5831471	1	Float, host rock, argillite	Main rock mass	N
4831	br18	Area LA / Fig. 10	Rock	611775	5831536	1	Float, host rock, argillite	Main rock mass	N
4832	br18a	Area LA / Fig. 10	Rock	611775	5831536	1	Float, host rock, argillite	Main rock mass	N
4833	br18b	Area LA / Fig. 10	Rock	611775	5831536	1	Float, host rock, argillite	Main rock mass	N
4834	br19	Area LA / Fig. 10	Rock	611740	5831591	1	Float, host rock, argillite	Main rock mass	N
4835	br19a	Area LA / Fig. 10	Rock	611740	5831591	1	Float, host rock, argillite	Main rock mass	N
4836	br19b	Area LA / Fig. 10	Rock	611740	5831591	1	Float, host rock, argillite	Main rock mass	N
4837	br20	Area LA / Fig. 10	Rock	611725	5831668	1	Float, host rock, argillite	Main rock mass	N
4838	br19a	Area LA / Fig. 10	Rock	611725	5831668	1	Float, host rock, argillite	Main rock mass	N
4839	br20b	Area LA / Fig. 10	Rock	611725	5831668	1	Float, host rock, argillite	Main rock mass	N
4840	br21	Area LA / Fig. 10	Rock	611712	5831750	1	Float, host rock, argillite	Main rock mass	N
4841	br21a	Area LA / Fig. 10	Rock	611712	5831750	1	Float, host rock, argillite	Main rock mass	N
4842	br21b	Area LA / Fig. 10	Rock	611712	5831750	1	Float, host rock, argillite	Main rock mass	N
4843	br22	Area LA / Fig. 10	Rock	611858	5831808	1	Float, host rock, argillite	Main rock mass	N
4844	br22a	Area LA / Fig. 10	Rock	611858	5831808	1	Float, host rock, argillite	Main rock mass	N
4845	br22b	Area LA / Fig. 10	Rock	611858	5831808	1	Float, host rock, argillite	Main rock mass	N
4846	br23	Area LA / Fig. 10	Rock	611756	5831843	1	Float, host rock, argillite	Main rock mass	N
4847	br23a	Area LA / Fig. 10	Rock	611756	5831843	1	Float, host rock, argillite	Main rock mass	N
4848	br23b	Area LA / Fig. 10	Rock	611756	5831843	1	Float, host rock, argillite	Main rock mass	N
4849	br24	Area LA / Fig. 10	Rock	611797	5831916	1	Float, host rock, argillite	Main rock mass	N
4850	br24a	Area LA / Fig. 10	Rock	611797	5831916	1	Float, host rock, argillite	Main rock mass	N
4851	br24b	Area LA / Fig. 10	Rock	611797	5831916	1	Float, host rock, argillite	Main rock mass	N
4852	br25	Area LA / Fig. 10	Rock	611747	5831908	1	Float, host rock, argillite	Main rock mass	N
4853	br25a	Area LA / Fig. 10	Rock	611747	5831908	1	Float, host rock, argillite	Main rock mass	N
4854	br25b	Area LA / Fig. 10	Rock	611747	5831908	1	Float, host rock, argillite	Main rock mass	N
4855	br26	Area LA / Fig. 10	Rock	611671	5831853	1	Float, host rock, argillite	Main rock mass	N
4856	br26a	Area LA / Fig. 10	Rock	611671	5831853	1	Float, host rock, argillite	Main rock mass	N
4857	br26b	Area LA / Fig. 10	Rock	611671	5831853	1	Float, host rock, argillite	Main rock mass	N
4858	br27	Area LA / Fig. 10	Rock	611764	5831985	1	Float, host rock, argillite	Main rock mass	N
4859	br27a	Area LA / Fig. 10	Rock	611764	5831985	1	Float, host rock, argillite	Main rock mass	N
4860	br27b	Area LA / Fig. 10	Rock	611764	5831985	1	Float, host rock, argillite	Main rock mass	N
4861	br28	Area LA / Fig. 10	Rock	611790	5832022	1	Float, host rock, argillite	Main rock mass	N
4862	br28a	Area LA / Fig. 10	Rock	611790	5832022	1	Float, host rock, argillite	Main rock mass	N
4863	br28b	Area LA / Fig. 10	Rock	611790	5832022	1	Float, host rock, argillite	Main rock mass	N
4864	br29	Area LA / Fig. 10	Rock	611866	5832176	1	Float, host rock, argillite	Main rock mass	N

Table No. 1

Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description		Comment	Magnetic
4865	br29a	Area LA / Fig. 10	Rock	611866	5832176	1	Float, host rock, argillite	Main rock mass	N
4866	br29b	Area LA / Fig. 10	Rock	611866	5832176	1	Float, host rock, argillite	Main rock mass	N
4867	br30	Area LA / Fig. 10	Rock	611961	5832317	1	Float, host rock, argillite	Main rock mass	N
4868	br30a	Area LA / Fig. 10	Rock	611961	5832317	1	Float, host rock, argillite	Main rock mass	N
4869	br30b	Area LA / Fig. 10	Rock	611961	5832317	1	Float, host rock, argillite	Main rock mass	N
4870	br31	Area LA / Fig. 10	Rock	611982	5832365	1	Float, host rock, argillite	Main rock mass	N
4871	br31a	Area LA / Fig. 10	Rock	611982	5832365	1	Float, host rock, argillite	Main rock mass	N
4872	br31b	Area LA / Fig. 10	Rock	611982	5832365	1	Float, host rock, argillite	Main rock mass	N
4873	br32	Area LA / Fig. 10	Rock	611667	5831940	1	Float, host rock, argillite	Main rock mass	N
4874	br32a	Area LA / Fig. 10	Rock	611667	5831940	1	Float, host rock, argillite	Main rock mass	N
4875	br32b	Area LA / Fig. 10	Rock	611667	5831940	1	Float, host rock, argillite	Main rock mass	N
4876	br33	Area LA / Fig. 10	Rock	611650	5832013	1	Float, host rock, argillite	Main rock mass	N
4877	br33a	Area LA / Fig. 10	Rock	611650	5832013	1	Float, host rock, argillite	Main rock mass	N
4878	br33b	Area LA / Fig. 10	Rock	611650	5832013	1	Float, host rock, argillite	Main rock mass	N
4879	br34	Area LA / Fig. 10	Rock	611643	5832086	1	Float, host rock, argillite	Main rock mass	N
4880	br34a	Area LA / Fig. 10	Rock	611643	5832086	1	Float, host rock, argillite	Main rock mass	N
4881	br34b	Area LA / Fig. 10	Rock	611643	5832086	1	Float, host rock, argillite	Main rock mass	N
4882	br35	Area LA / Fig. 10	Rock	611646	5832186	1	Float, host rock, argillite	Main rock mass	N
4883	br35a	Area LA / Fig. 10	Rock	611646	5832186	1	Float, host rock, argillite	Main rock mass	N
4884	br35b	Area LA / Fig. 10	Rock	611646	5832186	1	Float, host rock, argillite	Main rock mass	N
4885	br36	Area LA / Fig. 10	Rock	611672	5832296	1	Float, host rock, argillite	Main rock mass	N
4886	br36a	Area LA / Fig. 10	Rock	611672	5832296	1	Float, host rock, argillite	Main rock mass	N
4887	br36b	Area LA / Fig. 10	Rock	611672	5832296	1	Float, host rock, argillite	Main rock mass	N
4888	br37	Area LA / Fig. 10	Rock	611596	5831920	1	Float, host rock, argillite	Main rock mass	N
4889	br37a	Area LA / Fig. 10	Rock	611596	5831920	1	Float, host rock, argillite	Main rock mass	N
4890	br37b	Area LA / Fig. 10	Rock	611596	5831920	1	Float, host rock, argillite	Main rock mass	N
4891	br38	Area LA / Fig. 10	Rock	611521	5831937	1	Float, host rock, argillite	Main rock mass	N
4892	br38a	Area LA / Fig. 10	Rock	611521	5831937	1	Float, host rock, argillite	Main rock mass	N
4893	br38b	Area LA / Fig. 10	Rock	611521	5831937	1	Float, host rock, argillite	Main rock mass	N
4894	br39	Area LA / Fig. 10	Rock	611578	5832005	1	Float, host rock, argillite	Main rock mass	N
4895	br39a	Area LA / Fig. 10	Rock	611578	5832005	1	Float, host rock, argillite	Main rock mass	N
4896	br39b	Area LA / Fig. 10	Rock	611578	5832005	1	Float, host rock, argillite	Main rock mass	N
4897	br40	Area LA / Fig. 10	Rock	611537	5832022	1	Float, host rock, argillite	Main rock mass	N
4898	br40a	Area LA / Fig. 10	Rock	611537	5832022	1	Float, host rock, argillite	Main rock mass	N
4899	br40b	Area LA / Fig. 10	Rock	611537	5832022	1	Float, host rock, argillite	Main rock mass	N
4900	br41	Area LA / Fig. 10	Rock	611565	5832117	1	Float, host rock, argillite	Main rock mass	N
4901	br41a	Area LA / Fig. 10	Rock	611565	5832117	1	Float, host rock, argillite	Main rock mass	N
4902	br41b	Area LA / Fig. 10	Rock	611565	5832117	1	Float, host rock, argillite	Main rock mass	N
4656	bra1	Area LA / Fig. 9	Rock	612376	5830885	1	Float, host rock, argillite	Main rock mass	N
4657	bra1a	Area LA / Fig. 9	Rock	612376	5830885	1	Float, host rock, argillite	Main rock mass	N
4658	bra1b	Area LA / Fig. 9	Rock	612376	5830885	1	Float, host rock, argillite	Main rock mass	N
4659	bra2	Area LA / Fig. 9	Rock	612405	5830980	1	Float, host rock, argillite	Main rock mass	N
4660	bra2a	Area LA / Fig. 9	Rock	612405	5830980	1	Float, host rock, argillite	Main rock mass	N
4661	bra2b	Area LA / Fig. 9	Rock	612405	5830980	1	Float, host rock, argillite	Main rock mass	N
4662	bra3	Area LA / Fig. 9	Rock	612424	5831069	1	Float, host rock, argillite	Main rock mass	N
4663	bra3a	Area LA / Fig. 9	Rock	612424	5831069	1	Float, host rock, argillite	Main rock mass	N

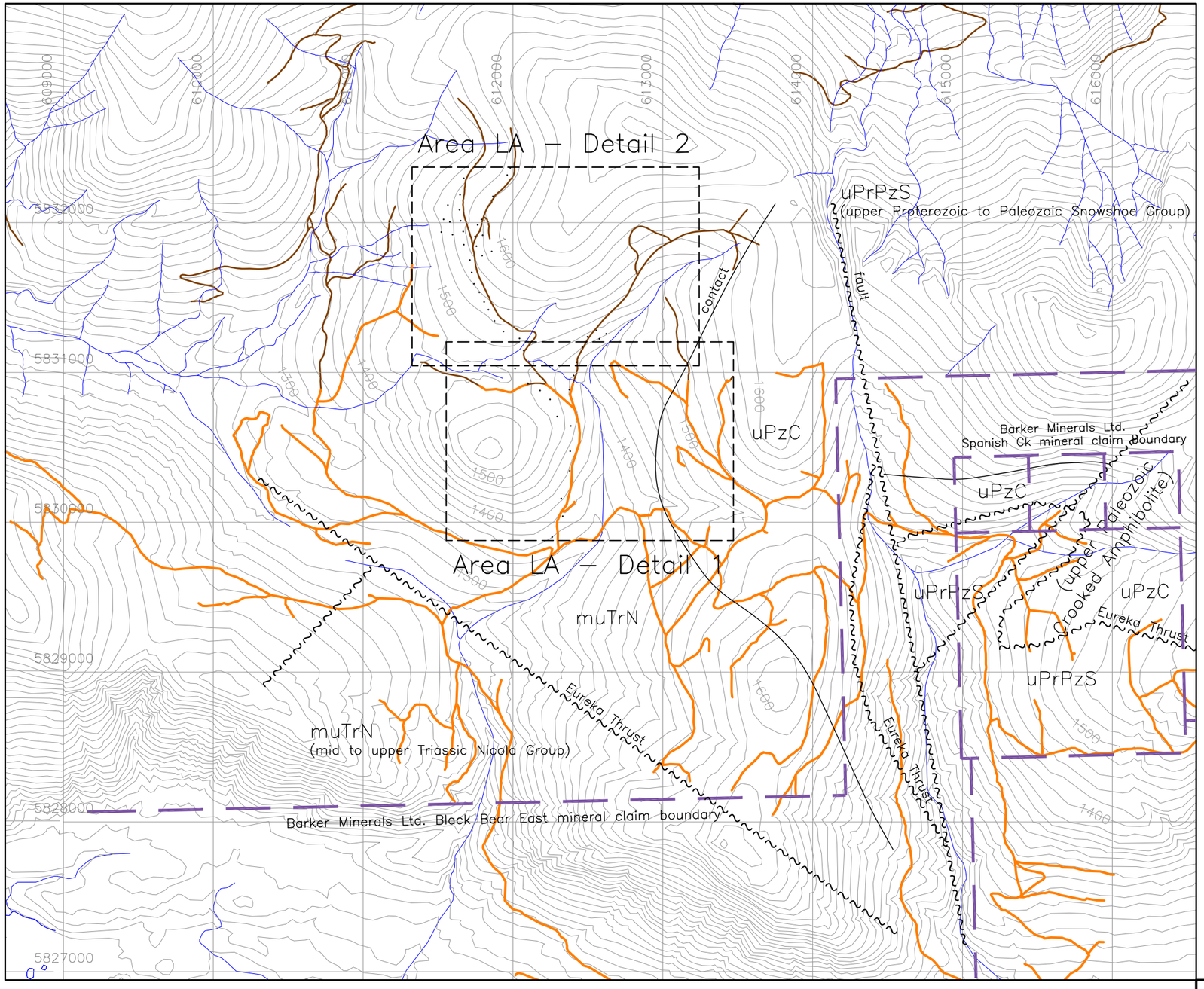
Table No. 1

Sample Coordinates and Descriptions

XRF No.	Field No.	Fig. No. / Area	Type	Easting	Northing	XRF Target and Description		Comment	Magnetic
4664	bra3b	Area LA / Fig. 9	Rock	612424	5831069	1	Float, host rock, argillite	Main rock mass	N
4665	bra4	Area LA / Fig. 9	Rock	612463	5831169	1	Float, host rock, argillite	Main rock mass	N
4666	bra4a	Area LA / Fig. 9	Rock	612463	5831169	1	Float, host rock, argillite	Main rock mass	N
4667	bra4b	Area LA / Fig. 10	Rock	612463	5831169	1	Float, host rock, argillite	Main rock mass	N
4768	bra5	Area LA / Fig. 10	Rock	612498	5831238	1	Float, host rock, argillite	Main rock mass	N
4769	bra5a	Area LA / Fig. 10	Rock	612498	5831238	1	Float, host rock, argillite	Main rock mass	N
4770	bra5b	Area LA / Fig. 10	Rock	612498	5831238	1	Float, host rock, argillite	Main rock mass	N
4771	bra6	Area LA / Fig. 10	Rock	612576	5831225	1	Float, host rock, argillite	Main rock mass	N
4772	bra6a	Area LA / Fig. 10	Rock	612576	5831225	1	Float, host rock, argillite	Main rock mass	N
4773	bra6b	Area LA / Fig. 10	Rock	612576	5831225	1	Float, host rock, argillite	Main rock mass	N
4774	bra7	Area LA / Fig. 10	Rock	612623	5831258	1	Float, host rock, argillite	Main rock mass	N
4775	bra7a	Area LA / Fig. 10	Rock	612623	5831258	1	Float, host rock, argillite	Main rock mass	N
4776	bra7b	Area LA / Fig. 10	Rock	612623	5831258	1	Float, host rock, argillite	Main rock mass	N
4777	bra8	Area LA / Fig. 10	Rock	612557	5831280	1	Float, host rock, argillite	Main rock mass	N
4778	bra8a	Area LA / Fig. 10	Rock	612557	5831280	1	Float, host rock, argillite	Main rock mass	N
4779	bra8b	Area LA / Fig. 10	Rock	612557	5831280	1	Float, host rock, argillite	Main rock mass	N

APPENDIX H

Black Bear East Property
Maps and XRF Data Tables



Decreasing 0.05° annualy

19.0°

True North

Magnetic North

2007

UTM Coordinate System
Map Datum: NAD 83, Zone 10

For Detail 1, see Figure No. 9
For Detail 2, see Figure No. 10

LEGEND

1000 Topographic Contour & Elevation
Contour interval 20 metres

Creek

Road, quad trail, trail, reclaimed

· 2016 Sample Site

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

Scale 1:30,000
metres

0 300 600 900 1200 1500

BARKER MINERALS LTD.

BLACK BEAR EAST PROPERTY

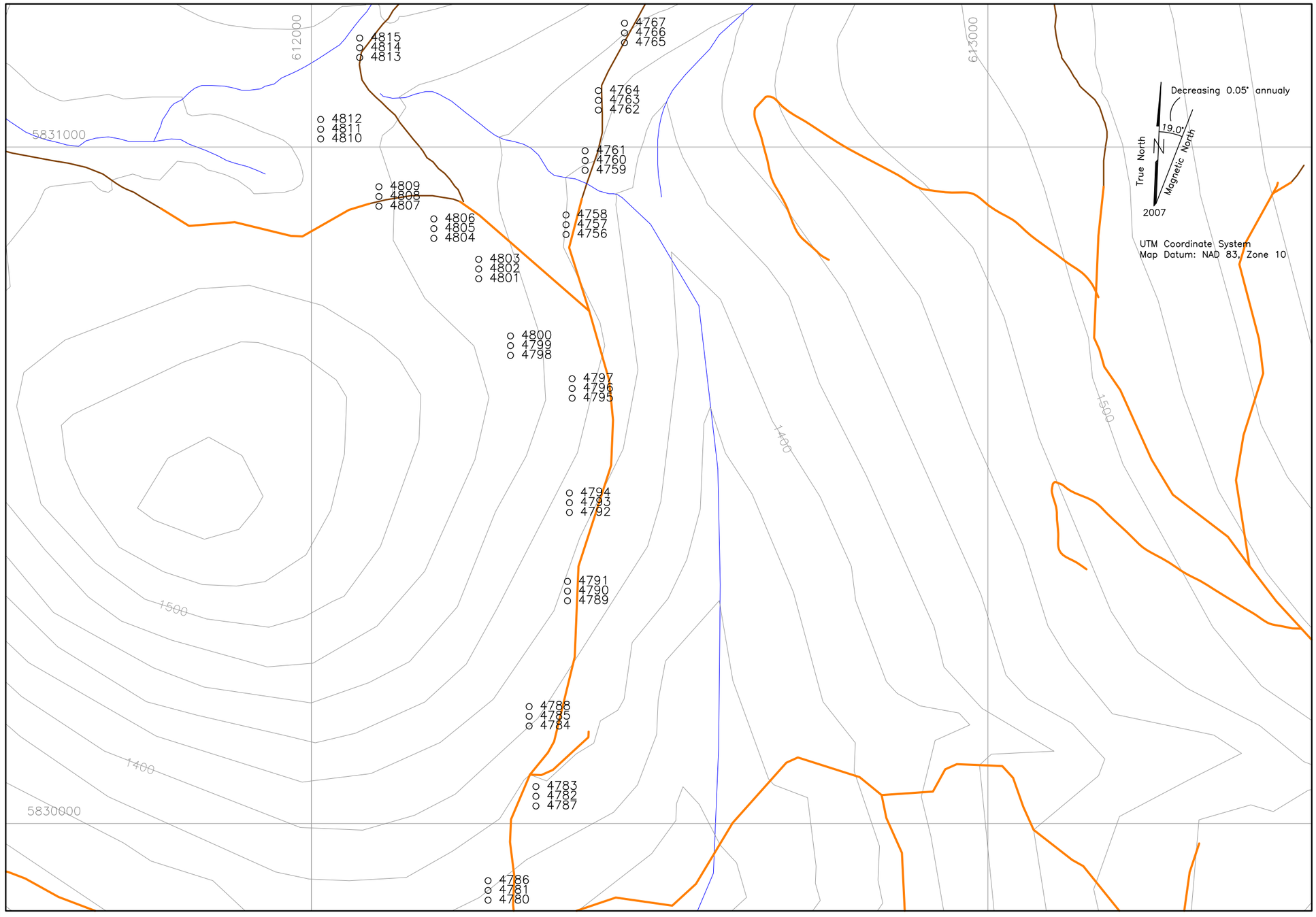
Keymap of Area LA

.

.

Cariboo Mining Division, B.C.

NTS Map: 93A/11	Date: Jul. 20, 2016
	Fig.No. 8



Black Bear East Rock Samples XRF Results (ppm)

XRF No.	Zn	Cu
4756	462	204
4757	360	70
4758	742	206
4759	146	142
4760	232	63
4761	169	264
4762	162	51
4763	110	34
4764	102	
4765	155	101
4766	110	35
4767	334	60
4780	96	27
4781	65	40
4786	78	
4787	48	42
4782	62	51
4783	272	118
4784	37	47
4785	60	40
4788	44	
4789	86	27
4790	74	33
4791	37	
4792	85	42
4793	21	
4794	92	35
4795	18	
4796	16	
4797	73	27
4798	324	141
4799	142	
4800	444	115
4801	201	59
4802	259	104
4803	92	127
4804	49	58
4805	119	
4806	68	
4807	265	172
4808	42	47
4809	136	65
4810	30	
4811	39	
4812	18	
4813	37	
4814	112	
4815	55	

Results over 100 ppm marked in red.

Results below level of detection not shown

LEGEND

1000 Topographic Contour & Elevation Contour interval 20 metres

Creek, pond

Road, quad trail, trail, reclaimed

○ 4790 Rock sample location and number

See Table No. 2 for XRF results.

Scale 1:6,000
metres
0 60 120 180 240 300

BARKER MINERALS LTD.

Black Bear East Property

Area LA – Detail 1
Soils Sample Numbers and
Zn, Cu Geochemistry

Cariboo Mining Division, B.C.

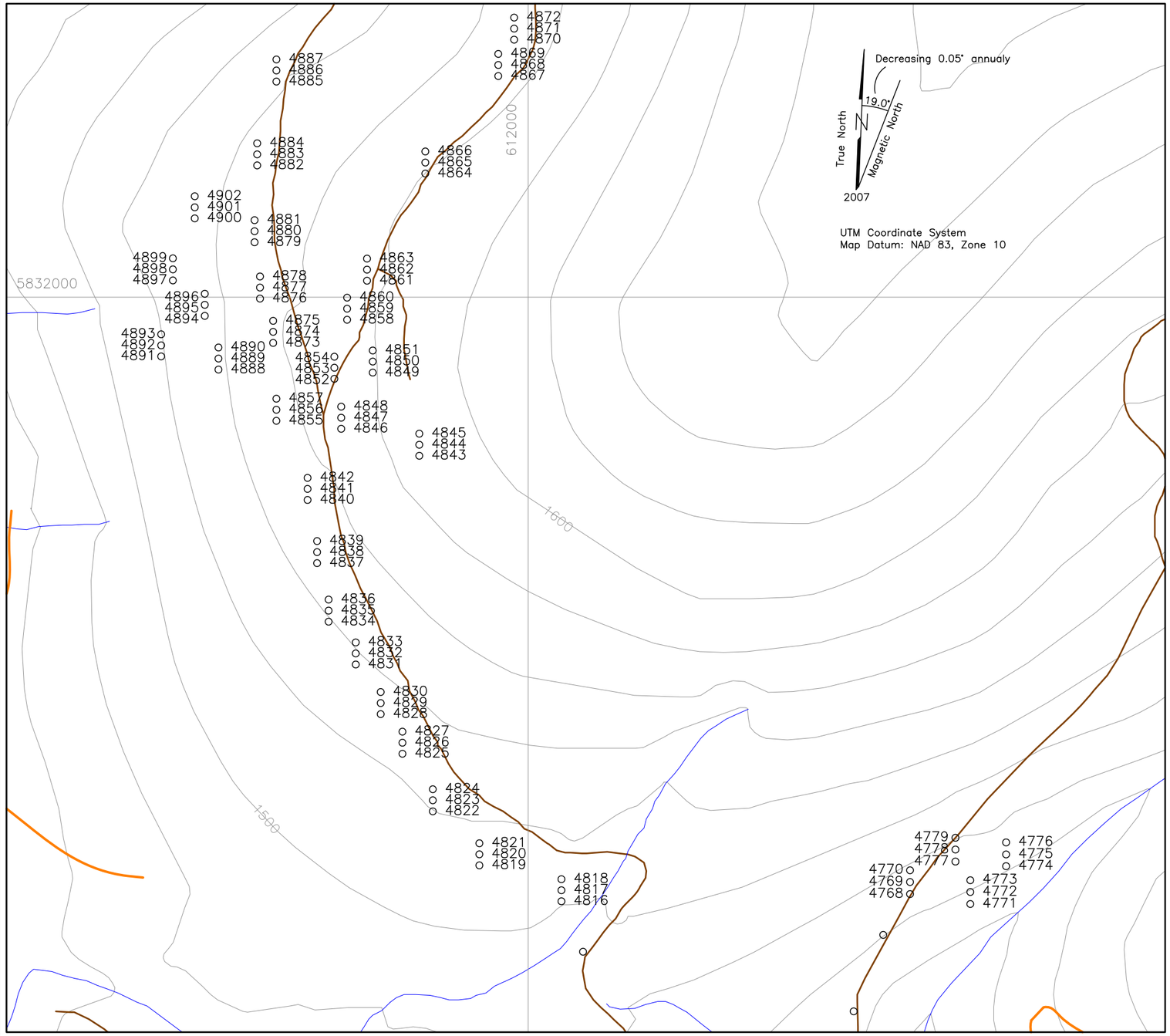
NTS Map: 93A/11	Date: Jul 20, 2016
	Fig.No. 9

Table No. 2

Black Bear East, Area LA, Detail 1 - 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
4756	bra-01	Fig. 9 / Detail 1	rock	ppm	29	300	68	11	62	23	< LOD	< LOD	< LOD	< LOD	< LOD	462	< LOD	204	114	< LOD	131763	< LOD	159	145	< LOD	< LOD	21	6	< LOD	< LOD	< LOD	< LOD
4757	bra-01	Fig. 9 / Detail 1	rock	ppm	34	81	19	< LOD	12	17	< LOD	< LOD	7	< LOD	< LOD	360	< LOD	70	< LOD	< LOD	52276	< LOD	57	< LOD	< LOD	< LOD	10	3	< LOD	< LOD	< LOD	< LOD
4758	bra-01b	Fig. 9 / Detail 1	rock	ppm	47	72	34	10	30	16	< LOD	< LOD	12	< LOD	< LOD	742	< LOD	206	151	< LOD	86527	< LOD	106	74	< LOD	< LOD	8	3	< LOD	< LOD	< LOD	< LOD
4759	bra-02	Fig. 9 / Detail 1	rock	ppm	54	44	8	7	6	22	< LOD	< LOD	9	< LOD	< LOD	146	< LOD	142	< LOD	< LOD	79362	< LOD	75	39	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4760	bra-02a	Fig. 9 / Detail 1	rock	ppm	42	84	35	9	29	8	< LOD	< LOD	< LOD	< LOD	< LOD	232	< LOD	63	< LOD	< LOD	44955	299	57	40	< LOD	< LOD	10	2	< LOD	< LOD	< LOD	< LOD
4761	bra-02b	Fig. 9 / Detail 1	rock	ppm	42	76	40	15	29	25	< LOD	< LOD	< LOD	< LOD	< LOD	169	< LOD	264	108	< LOD	232916	< LOD	210	189	< LOD	< LOD	5	3	< LOD	< LOD	< LOD	< LOD
4762	bra-03	Fig. 9 / Detail 1	rock	ppm	46	64	55	< LOD	49	7	< LOD	< LOD	11	< LOD	< LOD	162	< LOD	51	< LOD	< LOD	46884	147	57	46	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4763	bra-03a	Fig. 9 / Detail 1	rock	ppm	46	109	55	8	51	17	< LOD	< LOD	42	< LOD	< LOD	110	< LOD	34	< LOD	< LOD	69433	< LOD	67	34	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4764	bra-03b	Fig. 9 / Detail 1	rock	ppm	50	92	27	11	25	31	< LOD	< LOD	30	< LOD	< LOD	102	< LOD	< LOD	< LOD	< LOD	33120	< LOD	33	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4765	bra-04	Fig. 9 / Detail 1	rock	ppm	112	79	63	< LOD	59	17	< LOD	< LOD	102	< LOD	< LOD	155	< LOD	101	< LOD	< LOD	94373	< LOD	48	< LOD	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4766	bra-04a	Fig. 9 / Detail 1	rock	ppm	74	210	59	7	55	18	< LOD	< LOD	27	< LOD	< LOD	110	< LOD	35	< LOD	< LOD	77355	< LOD	113	71	< LOD	< LOD	21	4	< LOD	< LOD	< LOD	< LOD
4767	bra-04b	Fig. 9 / Detail 1	rock	ppm	84	127	45	11	38	15	< LOD	< LOD	56	< LOD	< LOD	334	< LOD	60	< LOD	< LOD	74349	< LOD	74	43	< LOD	< LOD	12	< LOD	< LOD	< LOD	< LOD	< LOD
4780	br-01	Fig. 9 / Detail 1	rock	ppm	< LOD	125	124	< LOD	63	18	< LOD	< LOD	< LOD	< LOD	**10.23**	96	< LOD	27	102	< LOD	78761	244	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4781	br-01A	Fig. 9 / Detail 1	rock	ppm	< LOD	134	107	< LOD	52	17	< LOD	< LOD	< LOD	< LOD	< LOD	65	< LOD	40	71	< LOD	141525	< LOD	< LOD	< LOD	< LOD	< LOD	13	3	< LOD	< LOD	< LOD	< LOD
4786	br-1b	Fig. 9 / Detail 1	rock	ppm	4	155	156	< LOD	76	13	< LOD	< LOD	< LOD	< LOD	< LOD	78	< LOD	< LOD	< LOD	< LOD	20360	154	< LOD	< LOD	< LOD	< LOD	15	2	< LOD	< LOD	< LOD	< LOD
4787	br-2	Fig. 9 / Detail 1	rock	ppm	9	49	86	< LOD	70	15	< LOD	< LOD	< LOD	< LOD	< LOD	48	< LOD	42	< LOD	< LOD	42968	134	< LOD	< LOD	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4782	br-02a	Fig. 9 / Detail 1	rock	ppm	10	74	91	< LOD	59	14	< LOD	< LOD	< LOD	< LOD	< LOD	62	< LOD	51	< LOD	< LOD	73232	< LOD	< LOD	< LOD	< LOD	< LOD	6	2	< LOD	< LOD	< LOD	< LOD
4783	br-02b	Fig. 9 / Detail 1	rock	ppm	11	111	73	15	55	13	< LOD	< LOD	< LOD	< LOD	< LOD	272	< LOD	118	379	493	8304	4215	< LOD	< LOD	< LOD	< LOD	3	16	< LOD	< LOD	< LOD	< LOD
4784	br-03	Fig. 9 / Detail 1	rock	ppm	< LOD	76	106	< LOD	66	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	37	< LOD	47	101	< LOD	155152	< LOD	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4785	br-03a	Fig. 9 / Detail 1	rock	ppm	7	96	128	8	82	20	< LOD	< LOD	< LOD	< LOD	< LOD	60	< LOD	40	< LOD	< LOD	70919	< LOD	< LOD	< LOD	< LOD	< LOD	8	< LOD	< LOD	< LOD	< LOD	< LOD
4788	br-3b	Fig. 9 / Detail 1	rock	ppm	5	124	109	< LOD	71	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	44	< LOD	< LOD	< LOD	< LOD	23607	< LOD	< LOD	< LOD	< LOD	< LOD	11	< LOD	< LOD	95	35	760
4789	br-4	Fig. 9 / Detail 1	rock	ppm	6	104	81	< LOD	51	13	< LOD	< LOD	< LOD	< LOD	< LOD	86	< LOD	27	< LOD	< LOD	85214	< LOD	< LOD	< LOD	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4790	br-4a	Fig. 9 / Detail 1	rock	ppm	< LOD	147	134	< LOD	79	15	< LOD	< LOD	< LOD	< LOD	< LOD	74	< LOD	33	< LOD	< LOD	69735	< LOD	< LOD	< LOD	< LOD	< LOD	14	2	< LOD	< LOD	< LOD	< LOD
4791	br-4b	Fig. 9 / Detail 1	rock	ppm	5	95	70	< LOD	47	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	37	< LOD	< LOD	70	< LOD	159632	< LOD	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4792	br-5	Fig. 9 / Detail 1	rock	ppm	544	126	19	< LOD	28	< LOD	< LOD	29	140	< LOD	< LOD	85	< LOD	42	< LOD	< LOD	75214	< LOD	< LOD	< LOD	< LOD	< LOD	9	4	< LOD	< LOD	< LOD	< LOD
4793	br-5a	Fig. 9 / Detail 1	rock	ppm	12	100	20	< LOD	38	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	21	< LOD	< LOD	< LOD	< LOD	2787	< LOD	< LOD	< LOD	< LOD	< LOD	5	3	< LOD	< LOD	< LOD	< LOD
4794	br-5b	Fig. 9 / Detail 1	rock	ppm	94	37	6	< LOD	11	< LOD	35	34	312	< LOD	< LOD	92	< LOD	35	95	< LOD	154948	< LOD	54	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4795	br-6	Fig. 9 / Detail 1	rock	ppm	< LOD	59	6	< LOD	15	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	18	< LOD	< LOD	< LOD	< LOD	2194	< LOD	< LOD	< LOD	< LOD	< LOD	4	2	< LOD	< LOD	< LOD	< LOD
4796	br-6a	Fig. 9 / Detail 1	rock	ppm	41	90	13	< LOD	29	< LOD	< LOD	< LOD	7	< LOD	< LOD	16	< LOD	< LOD	< LOD	< LOD	3954	< LOD	< LOD	< LOD	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4797	br-6b	Fig. 9 / Detail 1	rock	ppm	164	95	17	< LOD	26	< LOD	37	45	287	< LOD	< LOD	73	< LOD	27	69	< LOD	132352	< LOD	22	< LOD	< LOD	< LOD	< LOD	2	< LOD	< LOD	< LOD	< LOD
4798	br-7	Fig. 9 / Detail 1	rock	ppm	6	222	120	< LOD	72	35	< LOD	< LOD	< LOD	< LOD	< LOD	324	< LOD	141	237	< LOD	34706	< LOD	< LOD	< LOD	< LOD	< LOD	21	5	< LOD	< LOD	< LOD	< LOD
4799	br-7a	Fig. 9 / Detail 1	rock	ppm	7	388	107	< LOD	62	13	< LOD	< LOD	20	< LOD	< LOD	142	< LOD	< LOD	< LOD	< LOD	51019	< LOD	< LOD	< LOD	< LOD	< LOD	25	5	< LOD	< LOD	< LOD	< LOD
4800	br-7b	Fig. 9 / Detail 1	rock	ppm	38	114	51	10	25	14	< LOD	< LOD	< LOD	< LOD	< LOD	444	< LOD	115	< LOD	< LOD	33777	4830	< LOD	< LOD	< LOD	< LOD	6	3	< LOD	< LOD	< LOD	< LOD
4801	br-8	Fig. 9 / Detail 1	rock	ppm	< LOD	229	110	26	58	41	< LOD	< LOD	< LOD	< LOD	< LOD	201	< LOD	59	93	< LOD	48734	3040	< LOD	< LOD	< LOD	< LOD	20	4	< LOD	< LOD	< LOD	< LOD
4802	br-8a	Fig. 9 / Detail 1	rock	ppm	4	134	43	< LOD	42	19	< LOD	< LOD	< LOD	< LOD	< LOD	259	< LOD	104	< LOD	< LOD	51958	1269	< LOD	< LOD	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4803	br-8b	Fig. 9 / Detail 1	rock	ppm	8	109	51	11	44	24	< LOD	< LOD	< LOD	< LOD	< LOD	92	< LOD	127	< LOD	< LOD	83556	< LOD	< LOD	< LOD	< LOD	< LOD	7	3	< LOD	< LOD	< LOD	< LOD
4804	br-9	Fig. 9 / Detail 1	rock	ppm	4	79	83	< LOD	46	17	< LOD	< LOD	< LOD	< LOD	< LOD	49	< LOD	58	< LOD	< LOD	110583	< LOD	< LOD	< LOD	< LOD	< LOD	7	2	< LOD	< LOD	< LOD	< LOD
4805	br-9a	Fig. 9 / Detail 1	rock	ppm	< LOD	207	182	< LOD	64	14	< LOD	< LOD	< LOD	< LOD	< LOD	119	< LOD	< LOD	< LOD	< LOD	109029	< LOD	< LOD	< LOD	< LOD	< LOD	20	2	< LOD	< LOD	< LOD	< LOD
4806	br-9b	Fig. 9 / Detail 1	rock	ppm	< LOD	126	100	< LOD	64	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	68	< LOD	< LOD	< LOD	< LOD	85944	< LOD	< LOD	< LOD	< LOD	< LOD	8	< LOD	< LOD	< LOD	< LOD	< LOD
4807	br-10	Fig. 9 / Detail 1	rock	ppm	10	152	27	49	20	19	< LOD	< LOD	< LOD	< LOD	< LOD	265	< LOD	172	< LOD	< LOD	191286	< LOD	56	< LOD	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4808	br-10a	Fig. 9 / Detail 1	rock	ppm	5	12	38	< LOD	19	13	< LOD	< LOD	< LOD	< LOD	< LOD	42	< LOD	47	< LOD	< LOD	13367	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4809	br-10b	Fig. 9 / Detail 1	rock	ppm	6	228	75	< LOD	48	19	< LOD	< LOD	< LOD	< LOD	< LOD	136	< LOD	65	< LOD	< LOD	52205	< LOD	< LOD	< LOD	< LOD	< LOD	19	2	< LOD	< LOD	< LOD	< LOD
4810	br-11	Fig. 9 / Detail 1	rock	ppm	39	98	14	< LOD	13	22	< LOD	< LOD	10	< LOD	< LOD	30	< LOD	< LOD	< LOD	< LOD	6231	< LOD	41	< LOD	< LOD	< LOD	14	6	< LOD	< LOD	< LOD	< LOD
4811	br-11a	Fig. 9 / Detail 1	rock	ppm	199	121	14	< LOD	29	19	< LOD	< LOD	86	< LOD	< LOD	39	< LOD	< LOD	< LOD	< LOD	68109	< LOD	33	< LOD	< LOD	< LOD	16	3	< LOD	< LOD	< LOD	< LOD
4812	br-11b	Fig. 9 / Detail 1	rock	ppm	10	84	16	< LOD	31	18	< LOD	< LOD	< LOD	< LOD	< LOD	18	< LOD	< LOD	< LOD	< LOD	3433	< LOD	53	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4813	br-12	Fig. 9 / Detail 1	rock	ppm	12	112	159	< LOD	113	24	< LOD	< LOD	< LOD	< LOD	< LOD	37	< LOD	< LOD	< LOD	< LOD	52401	< LOD	30	< LOD	< LOD	< LOD	15	< LOD	< LOD	< LOD	< LOD	< LOD
4814	br-12a	Fig. 9 / Detail 1	rock	ppm	8	180	121	11	59	27	< LOD	< LOD	< LOD	< LOD	< LOD	112	< LOD	< LOD	< LOD	< LOD	48135	< LOD	53	48	< LOD	< LOD	21	3	< LOD	< LOD	< LOD	< LOD
4815	br-12b	Fig. 9 / Detail 1	rock	ppm	10	117	139	< LOD	91	36	< LOD	< LOD	< LOD	< LOD	< LOD	55	< LOD	< LOD	< LOD	< LOD	114502	< LOD	76	51	< LOD	< LOD	16	< LOD	< LOD	< LOD	< LOD	< LOD

In all cases <LOD means below level of detection



Black Bear East Soil Samples XRF Results (ppm)

XRF No.	Zn	Cu
4768	576	215
4769	334	40
4770	247	54
4771	425	415
4772	121	
4773	130	39
4774	177	67
4775	361	37
4776	134	125
4777	147	
4778	336	64
4779	161	
4816	469	172
4817	132	
4818	265	144
4819	80	35
4820	74	75
4821	69	48
4822	58	19
4823	18	
4824	41	20
4825	55	75
4826	57	51
4827	75	50
4828	288	160
4829	155	111
4830	287	162
4831	13	
4832	30	
4833	22	51
4834	218	72
4835	160	84
4836	135	46
4837	86	154
4838	414	315
4839	496	214
4840	155	
4841	144	
4842	278	36
4843	50	
4844	129	
4845	89	51
4846	62	64
4847	77	76
4848	81	89
4849	68	68
4850	72	95
4851	81	98
4852	66	70
4853	68	106
4854	70	96
4855	73	113
4856	79	94
4857	64	129
4858	67	60
4859	70	78
4860	62	142
4861	102	67
4862	299	50
4863	86	21
4864	136	
4865	129	
4866	519	
4867	491	46
4868	211	
4869	84	
4870	101	128
4871	154	138
4872	38	21
4873	160	44
4874	65	101
4875	215	235
4876	85	
4877	80	35
4878	136	
4879	59	
4880	40	34
4881	79	71
4882	616	214
4883	108	
4884	216	174
4885	438	228
4886	157	61
4887	495	234
4888	114	110
4889	569	622
4890	350	168
4891	134	128
4892	110	49
4893	518	119
4894	335	194
4895	219	214
4896	189	136
4897	95	60
4898	137	113
4899	126	29
4900	158	127
4901	167	195
4902	604	256

Results over 100 ppm marked in red.

Results below level of detection not shown

LEGEND

1000 Topographic Contour & Elevation Contour interval 20 metres

Creek, pond

Road, quad trail, trail, reclaimed

○ 4770 Rock sample location and number

See Table No. 3 for XRF results.

Scale 1:6,000
metres
0 60 120 180 240 300

BARKER MINERALS LTD.

Black Bear East Property

Area LA – Detail 2
Soils Sample Numbers and
Zn, Cu Geochemistry

Cariboo Mining Division, B.C.

NTS Map: 93A/11	Date: Jul 20, 2016
	Fig.No. 10

Table No. 3

Black Bear East, Area LA, Detail 2 - 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
4768	bra-05	Fig. 10 / Detail 2	rock	ppm	8	58	11	< LOD	39	20	< LOD	< LOD	34	< LOD	< LOD	576	< LOD	215	170	< LOD	95173	17929	57	42	< LOD	< LOD	9	2	< LOD	< LOD	< LOD	< LOD
4769	bra-05a	Fig. 10 / Detail 2	rock	ppm	9	62	10	< LOD	40	18	< LOD	< LOD	13	< LOD	< LOD	334	< LOD	40	< LOD	< LOD	67560	4796	45	50	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4770	bra-05b	Fig. 10 / Detail 2	rock	ppm	8	52	12	< LOD	45	21	< LOD	< LOD	36	< LOD	< LOD	247	< LOD	54	112	< LOD	82388	< LOD	75	57	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4771	bra-06	Fig. 10 / Detail 2	rock	ppm	7	59	32	< LOD	24	30	< LOD	< LOD	16	< LOD	< LOD	425	< LOD	415	344	< LOD	142864	10765	80	53	< LOD	< LOD	7	2	< LOD	< LOD	< LOD	< LOD
4772	bra-06a	Fig. 10 / Detail 2	rock	ppm	< LOD	136	50	< LOD	13	21	< LOD	< LOD	< LOD	< LOD	< LOD	121	< LOD	< LOD	< LOD	< LOD	67745	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4773	bra-06b	Fig. 10 / Detail 2	rock	ppm	< LOD	124	42	< LOD	14	23	< LOD	< LOD	< LOD	< LOD	< LOD	130	< LOD	39	102	< LOD	56218	2854	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4774	bra-07	Fig. 10 / Detail 2	rock	ppm	< LOD	73	10	< LOD	44	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	177	< LOD	67	< LOD	< LOD	33200	3275	< LOD	< LOD	< LOD	< LOD	8	2	< LOD	< LOD	< LOD	< LOD
4775	bra-07a	Fig. 10 / Detail 2	rock	ppm	5	47	8	< LOD	32	< LOD	< LOD	< LOD	18	< LOD	< LOD	361	< LOD	37	133	< LOD	106375	2631	< LOD	< LOD	< LOD	< LOD	< LOD	2	< LOD	< LOD	< LOD	< LOD
4776	bra-07b	Fig. 10 / Detail 2	rock	ppm	< LOD	65	11	< LOD	39	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	134	< LOD	125	< LOD	< LOD	38781	< LOD	< LOD	< LOD	< LOD	< LOD	5	< LOD	< LOD	< LOD	< LOD	< LOD
4777	bra-08	Fig. 10 / Detail 2	rock	ppm	< LOD	71	9	< LOD	43	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	147	< LOD	< LOD	< LOD	< LOD	35210	< LOD	< LOD	< LOD	< LOD	< LOD	6	< LOD	< LOD	< LOD	< LOD	< LOD
4778	bra-08a	Fig. 10 / Detail 2	rock	ppm	< LOD	59	10	< LOD	31	< LOD	< LOD	< LOD	20	< LOD	< LOD	336	< LOD	64	95	< LOD	79147	3508	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4779	bra-08b	Fig. 10 / Detail 2	rock	ppm	< LOD	51	8	< LOD	30	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	161	< LOD	< LOD	< LOD	< LOD	43038	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4816	br-13	Fig. 10 / Detail 2	rock	ppm	17	89	54	37	29	33	< LOD	< LOD	31	< LOD	< LOD	469	< LOD	172	142	< LOD	213794	2489	141	131	< LOD	< LOD	7	5	< LOD	< LOD	< LOD	< LOD
4817	br-13a	Fig. 10 / Detail 2	rock	ppm	17	179	65	13	38	20	< LOD	< LOD	32	< LOD	< LOD	132	< LOD	< LOD	< LOD	< LOD	65705	< LOD	58	38	< LOD	< LOD	17	2	< LOD	< LOD	< LOD	< LOD
4818	br-13b	Fig. 10 / Detail 2	rock	ppm	14	64	19	< LOD	6	28	24	< LOD	< LOD	< LOD	< LOD	265	< LOD	144	81	< LOD	54357	17693	35	< LOD	< LOD	< LOD	7	8	< LOD	< LOD	< LOD	< LOD
4819	br-14	Fig. 10 / Detail 2	rock	ppm	13	140	129	< LOD	87	32	< LOD	< LOD	< LOD	< LOD	< LOD	80	< LOD	35	< LOD	< LOD	74610	< LOD	66	33	< LOD	< LOD	14	2	< LOD	< LOD	< LOD	< LOD
4820	br-14a	Fig. 10 / Detail 2	rock	ppm	< LOD	140	108	< LOD	66	16	< LOD	< LOD	< LOD	< LOD	< LOD	74	< LOD	75	< LOD	< LOD	74619	225	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4821	br-14b	Fig. 10 / Detail 2	rock	ppm	< LOD	121	85	7	55	20	82	16	14	< LOD	< LOD	69	< LOD	48	< LOD	< LOD	96843	443	< LOD	< LOD	< LOD	< LOD	7	2	< LOD	< LOD	< LOD	< LOD
4822	br-15	Fig. 10 / Detail 2	rock	ppm	< LOD	70	12	< LOD	28	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	58	< LOD	19	< LOD	< LOD	9151	6468	< LOD	< LOD	< LOD	< LOD	5	2	< LOD	< LOD	< LOD	< LOD
4823	br-15a	Fig. 10 / Detail 2	rock	ppm	85	86	12	< LOD	26	7	< LOD	< LOD	10	< LOD	< LOD	18	< LOD	< LOD	< LOD	< LOD	7240	< LOD	< LOD	< LOD	< LOD	< LOD	7	3	< LOD	< LOD	< LOD	< LOD
4824	br-15b	Fig. 10 / Detail 2	rock	ppm	126	80	15	< LOD	27	< LOD	< LOD	< LOD	15	< LOD	< LOD	41	< LOD	20	< LOD	< LOD	28264	783	< LOD	< LOD	< LOD	< LOD	4	2	< LOD	< LOD	< LOD	< LOD
4825	br-16	Fig. 10 / Detail 2	rock	ppm	< LOD	99	112	< LOD	73	19	< LOD	< LOD	< LOD	< LOD	< LOD	55	< LOD	75	121	< LOD	154280	< LOD	< LOD	< LOD	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4826	br-16a	Fig. 10 / Detail 2	rock	ppm	4	81	120	< LOD	81	13	< LOD	< LOD	< LOD	< LOD	< LOD	57	< LOD	51	< LOD	< LOD	80661	< LOD	< LOD	< LOD	< LOD	< LOD	5	2	< LOD	< LOD	< LOD	< LOD
4827	br-16b	Fig. 10 / Detail 2	rock	ppm	4	77	100	< LOD	70	13	< LOD	< LOD	< LOD	< LOD	< LOD	75	< LOD	50	< LOD	< LOD	32150	< LOD	< LOD	< LOD	< LOD	< LOD	6	2	< LOD	< LOD	< LOD	< LOD
4828	br-17	Fig. 10 / Detail 2	rock	ppm	< LOD	53	59	39	35	25	< LOD	< LOD	9	< LOD	< LOD	288	< LOD	160	124	< LOD	163693	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	6	< LOD	236	< LOD	< LOD
4829	br-17a	Fig. 10 / Detail 2	rock	ppm	< LOD	171	26	9	20	15	< LOD	< LOD	8	< LOD	< LOD	155	< LOD	111	< LOD	< LOD	46080	5772	< LOD	< LOD	< LOD	< LOD	9	5	< LOD	< LOD	< LOD	< LOD
4830	br-17b	Fig. 10 / Detail 2	rock	ppm	8	76	39	9	22	< LOD	< LOD	< LOD	13	< LOD	< LOD	287	< LOD	162	< LOD	< LOD	122430	< LOD	< LOD	< LOD	< LOD	< LOD	5	3	< LOD	< LOD	< LOD	< LOD
4831	br-18	Fig. 10 / Detail 2	rock	ppm	4	58	11	< LOD	28	< LOD	< LOD	< LOD	6	< LOD	< LOD	13	< LOD	< LOD	< LOD	< LOD	1776	< LOD	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4832	br-18a	Fig. 10 / Detail 2	rock	ppm	189	77	11	< LOD	18	5	< LOD	9	34	< LOD	< LOD	30	< LOD	< LOD	< LOD	< LOD	25447	< LOD	< LOD	< LOD	< LOD	< LOD	4	2	< LOD	< LOD	< LOD	< LOD
4833	br-18b	Fig. 10 / Detail 2	rock	ppm	51	49	7	< LOD	10	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	22	< LOD	51	< LOD	< LOD	5644	< LOD	< LOD	< LOD	< LOD	< LOD	6	< LOD	< LOD	< LOD	< LOD	< LOD
4834	br-19	Fig. 10 / Detail 2	rock	ppm	< LOD	306	99	9	69	31	< LOD	< LOD	< LOD	< LOD	< LOD	218	< LOD	72	< LOD	< LOD	72514	1147	< LOD	< LOD	< LOD	< LOD	24	5	< LOD	< LOD	< LOD	< LOD
4835	br-19a	Fig. 10 / Detail 2	rock	ppm	< LOD	197	93	12	62	12	< LOD	< LOD	< LOD	< LOD	< LOD	160	< LOD	84	< LOD	< LOD	90211	< LOD	< LOD	< LOD	< LOD	< LOD	13	6	< LOD	< LOD	< LOD	< LOD
4836	br-19b	Fig. 10 / Detail 2	rock	ppm	15	364	91	11	74	16	< LOD	< LOD	11	< LOD	< LOD	135	< LOD	46	< LOD	< LOD	43660	< LOD	< LOD	< LOD	< LOD	< LOD	34	9	< LOD	< LOD	< LOD	< LOD
4837	br-20	Fig. 10 / Detail 2	rock	ppm	9	108	74	< LOD	21	13	< LOD	< LOD	< LOD	< LOD	< LOD	86	< LOD	154	< LOD	< LOD	31270	< LOD	< LOD	< LOD	< LOD	< LOD	12	< LOD	< LOD	< LOD	< LOD	< LOD
4838	br-20a	Fig. 10 / Detail 2	rock	ppm	24	63	14	15	7	< LOD	< LOD	< LOD	8	< LOD	< LOD	414	< LOD	315	129	< LOD	113399	< LOD	< LOD	< LOD	< LOD	< LOD	3	2	< LOD	< LOD	< LOD	< LOD
4839	br-20b	Fig. 10 / Detail 2	rock	ppm	13	47	52	11	32	14	< LOD	< LOD	29	< LOD	< LOD	496	< LOD	214	188	< LOD	190060	2578	44	34	< LOD	< LOD	< LOD	3	< LOD	< LOD	< LOD	< LOD
4840	br-21	Fig. 10 / Detail 2	rock	ppm	4	137	38	< LOD	80	18	< LOD	< LOD	< LOD	< LOD	< LOD	155	< LOD	< LOD	< LOD	< LOD	63273	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4841	br-21a	Fig. 10 / Detail 2	rock	ppm	< LOD	198	36	< LOD	73	21	< LOD	< LOD	< LOD	< LOD	< LOD	144	< LOD	< LOD	< LOD	< LOD	30182	< LOD	< LOD	< LOD	< LOD	< LOD	12	2	< LOD	< LOD	< LOD	< LOD
4842	br-21b	Fig. 10 / Detail 2	rock	ppm	< LOD	176	43	11	76	16	120	< LOD	< LOD	< LOD	< LOD	278	< LOD	36	< LOD	< LOD	57223	4648	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4843	br-22	Fig. 10 / Detail 2	rock	ppm	< LOD	167	74	< LOD	45	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	50	< LOD	< LOD	< LOD	< LOD	42224	< LOD	< LOD	< LOD	< LOD	< LOD	5	5	< LOD	< LOD	< LOD	< LOD
4844	br-22a	Fig. 10 / Detail 2	rock	ppm	< LOD	43	36	< LOD	40	17	< LOD	< LOD	26	< LOD	< LOD	129	< LOD	< LOD	< LOD	< LOD	130476	2564	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4845	br-22b	Fig. 10 / Detail 2	rock	ppm	< LOD	220	53	< LOD	61	< LOD	< LOD	< LOD	18	< LOD	< LOD	89	< LOD	51	< LOD	< LOD	80184	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4846	br-23	Fig. 10 / Detail 2	rock	ppm	< LOD	170	54	< LOD	26	19	< LOD	< LOD	< LOD	< LOD	< LOD	62	< LOD	64	< LOD	< LOD	53607	< LOD	< LOD	< LOD	< LOD	< LOD	15	3	< LOD	< LOD	< LOD	< LOD
4847	br-23a	Fig. 10 / Detail 2	rock	ppm	< LOD	169	51	< LOD	27	26	< LOD	< LOD	< LOD	< LOD	< LOD	77	< LOD	76	< LOD	< LOD	58329	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4848	br-23b	Fig. 10 / Detail 2	rock	ppm	< LOD	146	43	< LOD	26	20	< LOD	< LOD	< LOD	< LOD	< LOD	81	< LOD	89	< LOD	< LOD	60622	< LOD	< LOD	< LOD	< LOD	< LOD	14	2	< LOD	< LOD	< LOD	< LOD
4849	br-24	Fig. 10 / Detail 2	rock	ppm	< LOD	109	49	< LOD	27	23	< LOD	< LOD	< LOD	< LOD	< LOD	68	< LOD	68	99	< LOD	46459	888	< LOD	< LOD	< LOD	< LOD	10	2	< LOD	< LOD	< LOD	< LOD
4850	br-24a	Fig. 10 / Detail 2	rock	ppm	< LOD	147	49	12	35	14	< LOD	< LOD	< LOD	< LOD	< LOD	72	< LOD	95	< LOD	< LOD	51491	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	< LOD	< LOD	< LOD
4851	br-24b	Fig. 10 / Detail 2	rock	ppm	< LOD	99	37	< LOD	25	26	< LOD	< LOD	< LOD	< LOD	< LOD	81	< LOD	98	< LOD	< LOD	46188	< LOD	< LOD	< LOD	< LOD	< LOD	11	< LOD	< LOD	< LOD	< LOD	< LOD

Table No. 3

Black Bear East, Area LA, Detail 2 - 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
4852	br-25	Fig. 10 / Detail 2	rock	ppm	< LOD	119	48	7	36	15	< LOD	< LOD	< LOD	< LOD	< LOD	66	< LOD	70	< LOD	< LOD	49751	< LOD	< LOD	< LOD	< LOD	< LOD	12	2	< LOD	< LOD	< LOD	< LOD
4853	br-25a	Fig. 10 / Detail 2	rock	ppm	< LOD	118	51	< LOD	31	21	< LOD	< LOD	< LOD	< LOD	< LOD	68	< LOD	106	104	< LOD	59760	< LOD	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4854	br-25b	Fig. 10 / Detail 2	rock	ppm	< LOD	129	45	< LOD	26	27	< LOD	< LOD	5	< LOD	< LOD	70	< LOD	96	132	< LOD	56469	< LOD	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4855	br-26	Fig. 10 / Detail 2	rock	ppm	< LOD	156	50	< LOD	31	25	< LOD	< LOD	< LOD	< LOD	< LOD	73	< LOD	113	< LOD	< LOD	56231	< LOD	< LOD	< LOD	< LOD	< LOD	13	2	< LOD	319	193	3888
4856	br-26a	Fig. 10 / Detail 2	rock	ppm	< LOD	139	44	< LOD	28	25	< LOD	< LOD	< LOD	< LOD	< LOD	79	< LOD	94	< LOD	< LOD	66729	< LOD	< LOD	< LOD	< LOD	< LOD	12	2	< LOD	< LOD	< LOD	< LOD
4857	br-26b	Fig. 10 / Detail 2	rock	ppm	< LOD	170	49	8	33	19	< LOD	< LOD	< LOD	< LOD	< LOD	64	< LOD	129	< LOD	< LOD	53354	< LOD	< LOD	< LOD	< LOD	< LOD	16	3	< LOD	< LOD	< LOD	< LOD
4858	br-27	Fig. 10 / Detail 2	rock	ppm	< LOD	133	47	< LOD	23	17	< LOD	< LOD	< LOD	< LOD	< LOD	67	< LOD	60	< LOD	< LOD	49304	< LOD	< LOD	< LOD	< LOD	< LOD	12	2	< LOD	< LOD	< LOD	< LOD
4859	br-27a	Fig. 10 / Detail 2	rock	ppm	< LOD	101	33	< LOD	24	11	< LOD	< LOD	< LOD	< LOD	< LOD	70	< LOD	78	< LOD	< LOD	56250	< LOD	< LOD	< LOD	< LOD	< LOD	7	< LOD	< LOD	< LOD	< LOD	< LOD
4860	br-27b	Fig. 10 / Detail 2	rock	ppm	< LOD	136	46	< LOD	34	23	73	< LOD	13	< LOD	< LOD	62	< LOD	142	< LOD	< LOD	55743	< LOD	< LOD	< LOD	< LOD	< LOD	11	2	< LOD	< LOD	< LOD	< LOD
4861	br-28	Fig. 10 / Detail 2	rock	ppm	5	16	34	< LOD	23	< LOD	117	< LOD	20	< LOD	< LOD	102	< LOD	67	< LOD	< LOD	39292	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4862	br-28a	Fig. 10 / Detail 2	rock	ppm	27	18	15	< LOD	7	< LOD	304	< LOD	16	< LOD	< LOD	299	< LOD	50	155	< LOD	93832	19537	< LOD	< LOD	< LOD	< LOD	< LOD	6	< LOD	< LOD	< LOD	< LOD
4863	br-28b	Fig. 10 / Detail 2	rock	ppm	5	< LOD	3	< LOD	< LOD	< LOD	87	< LOD	< LOD	< LOD	< LOD	86	< LOD	21	< LOD	< LOD	14234	2991	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4864	br-29	Fig. 10 / Detail 2	rock	ppm	5	19	6	< LOD	6	< LOD	80	< LOD	< LOD	< LOD	< LOD	136	< LOD	< LOD	< LOD	< LOD	11189	2235	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4865	br-29a	Fig. 10 / Detail 2	rock	ppm	4	3	3	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	129	< LOD	< LOD	< LOD	< LOD	18591	8296	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4866	br-29b	Fig. 10 / Detail 2	rock	ppm	13	51	25	< LOD	21	< LOD	26	< LOD	< LOD	< LOD	< LOD	519	< LOD	< LOD	< LOD	< LOD	56805	8685	< LOD	< LOD	< LOD	< LOD	< LOD	2	< LOD	< LOD	< LOD	< LOD
4867	br-30	Fig. 10 / Detail 2	rock	ppm	12	119	58	< LOD	64	< LOD	20	< LOD	< LOD	< LOD	< LOD	491	< LOD	46	< LOD	< LOD	49226	3093	< LOD	< LOD	< LOD	< LOD	4	3	< LOD	< LOD	< LOD	< LOD
4868	br-30a	Fig. 10 / Detail 2	rock	ppm	4	15	17	< LOD	21	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	211	< LOD	< LOD	< LOD	< LOD	16538	3127	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4869	br-30b	Fig. 10 / Detail 2	rock	ppm	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	200	< LOD	12	< LOD	< LOD	84	< LOD	< LOD	< LOD	< LOD	30286	1138	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4870	br-31	Fig. 10 / Detail 2	rock	ppm	< LOD	< LOD	11	< LOD	34	< LOD	42	< LOD	13	< LOD	< LOD	101	< LOD	128	< LOD	< LOD	100152	7345	< LOD	< LOD	< LOD	< LOD	4	< LOD	< LOD	< LOD	< LOD	< LOD
4871	br-31a	Fig. 10 / Detail 2	rock	ppm	< LOD	14	27	< LOD	30	< LOD	382	< LOD	< LOD	< LOD	< LOD	154	< LOD	138	188	< LOD	160755	9757	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4872	br-31b	Fig. 10 / Detail 2	rock	ppm	< LOD	< LOD	4	< LOD	19	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	38	< LOD	21	< LOD	< LOD	11588	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4873	br-32	Fig. 10 / Detail 2	rock	ppm	< LOD	3	18	< LOD	62	< LOD	17	< LOD	24	< LOD	< LOD	160	< LOD	44	101	< LOD	145210	2766	< LOD	< LOD	< LOD	< LOD	6	< LOD	< LOD	< LOD	< LOD	< LOD
4874	br-32a	Fig. 10 / Detail 2	rock	ppm	< LOD	< LOD	9	< LOD	19	< LOD	< LOD	< LOD	11	11	< LOD	65	< LOD	101	163	< LOD	112529	6812	< LOD	< LOD	< LOD	< LOD	< LOD	2	< LOD	< LOD	< LOD	< LOD
4875	br-32b	Fig. 10 / Detail 2	rock	ppm	< LOD	29	33	< LOD	27	< LOD	66	< LOD	39	< LOD	< LOD	215	< LOD	235	180	< LOD	172862	11434	< LOD	< LOD	< LOD	< LOD	< LOD	3	< LOD	< LOD	< LOD	< LOD
4876	br-33	Fig. 10 / Detail 2	rock	ppm	< LOD	542	51	< LOD	98	32	< LOD	< LOD	17	< LOD	< LOD	85	< LOD	< LOD	< LOD	< LOD	73042	< LOD	< LOD	< LOD	< LOD	< LOD	15	3	< LOD	< LOD	< LOD	< LOD
4877	br-33a	Fig. 10 / Detail 2	rock	ppm	< LOD	63	31	< LOD	11	< LOD	< LOD	< LOD	10	< LOD	< LOD	80	< LOD	35	< LOD	< LOD	70847	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4878	br-33b	Fig. 10 / Detail 2	rock	ppm	< LOD	166	31	< LOD	62	< LOD	< LOD	< LOD	25	< LOD	< LOD	136	< LOD	< LOD	108	< LOD	145188	6772	< LOD	< LOD	< LOD	< LOD	12	2	< LOD	< LOD	< LOD	< LOD
4879	br-34	Fig. 10 / Detail 2	rock	ppm	12	57	60	11	39	32	< LOD	< LOD	< LOD	< LOD	< LOD	59	< LOD	< LOD	< LOD	< LOD	69085	< LOD	45	< LOD	< LOD	< LOD	10	5	< LOD	< LOD	< LOD	< LOD
4880	br-34a	Fig. 10 / Detail 2	rock	ppm	15	50	64	< LOD	45	24	< LOD	< LOD	< LOD	< LOD	< LOD	40	< LOD	34	< LOD	< LOD	63352	< LOD	35	< LOD	< LOD	< LOD	10	4	< LOD	< LOD	< LOD	< LOD
4881	br-34b	Fig. 10 / Detail 2	rock	ppm	7	149	101	< LOD	45	23	< LOD	< LOD	< LOD	< LOD	< LOD	79	< LOD	71	< LOD	< LOD	147468	< LOD	< LOD	< LOD	< LOD	< LOD	11	< LOD	< LOD	< LOD	< LOD	< LOD
4882	br-35	Fig. 10 / Detail 2	rock	ppm	59	159	67	12	34	17	< LOD	< LOD	< LOD	< LOD	< LOD	616	< LOD	214	724	277	48683	11581	< LOD	< LOD	< LOD	< LOD	14	6	< LOD	< LOD	< LOD	< LOD
4883	br-35a	Fig. 10 / Detail 2	rock	ppm	17	196	108	< LOD	61	19	< LOD	< LOD	51	< LOD	< LOD	108	< LOD	< LOD	< LOD	< LOD	39391	< LOD	< LOD	< LOD	< LOD	< LOD	13	< LOD	< LOD	< LOD	< LOD	< LOD
4884	br-35b	Fig. 10 / Detail 2	rock	ppm	8	304	86	17	64	39	< LOD	< LOD	< LOD	< LOD	< LOD	216	< LOD	174	115	< LOD	32680	< LOD	< LOD	< LOD	< LOD	< LOD	30	7	< LOD	< LOD	< LOD	< LOD
4885	br-36	Fig. 10 / Detail 2	rock	ppm	10	157	41	< LOD	40	< LOD	< LOD	< LOD	8	< LOD	< LOD	438	< LOD	228	91	< LOD	114309	< LOD	< LOD	< LOD	< LOD	< LOD	10	4	< LOD	< LOD	< LOD	< LOD
4886	br-36a	Fig. 10 / Detail 2	rock	ppm	< LOD	167	36	< LOD	39	13	< LOD	< LOD	< LOD	< LOD	< LOD	157	< LOD	61	< LOD	< LOD	63094	< LOD	< LOD	< LOD	< LOD	< LOD	8	14	< LOD	< LOD	< LOD	< LOD
4887	br-36b	Fig. 10 / Detail 2	rock	ppm	< LOD	158	49	< LOD	37	12	28	< LOD	< LOD	< LOD	< LOD	495	< LOD	234	203	< LOD	29562	12361	< LOD	< LOD	< LOD	< LOD	9	4	< LOD	< LOD	< LOD	< LOD
4888	br-37	Fig. 10 / Detail 2	rock	ppm	< LOD	114	24	< LOD	25	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	114	< LOD	110	< LOD	< LOD	21843	< LOD	< LOD	< LOD	< LOD	< LOD	7	4	< LOD	< LOD	< LOD	< LOD
4889	br-37a	Fig. 10 / Detail 2	rock	ppm	4	64	11	9	13	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	569	< LOD	622	671	< LOD	22885	24958	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD
4890	br-37b	Fig. 10 / Detail 2	rock	ppm	6	167	43	< LOD	41	9	< LOD	9	< LOD	< LOD	< LOD	350	< LOD	168	199	< LOD	78100	3677	< LOD	< LOD	< LOD	< LOD	9	4	< LOD	< LOD	< LOD	< LOD
4891	br-38	Fig. 10 / Detail 2	rock	ppm	< LOD	131	17	< LOD	32	14	< LOD	< LOD	< LOD	< LOD	< LOD	134	< LOD	128	< LOD	< LOD	70972	< LOD	< LOD	< LOD	< LOD	< LOD	5	2	< LOD	< LOD	< LOD	< LOD
4892	br-38a	Fig. 10 / Detail 2	rock	ppm	< LOD	104	17	< LOD	30	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	110	< LOD	49	< LOD	< LOD	31215	269	< LOD	< LOD	< LOD	< LOD	6	2	< LOD	< LOD	< LOD	< LOD
4893	br-38b	Fig. 10 / Detail 2	rock	ppm	7	101	19	< LOD	32	< LOD	20	19	< LOD	< LOD	< LOD	518	< LOD	119	77	< LOD	117303	2655	< LOD	< LOD	< LOD	< LOD	6	3	< LOD	< LOD	< LOD	< LOD
4894	br-39	Fig. 10 / Detail 2	rock	ppm	4	66	81	11	24	8	33	< LOD	< LOD	< LOD	< LOD	335	< LOD	194	182	< LOD	26516	6166	< LOD	< LOD	< LOD	< LOD	< LOD	12	< LOD	< LOD	< LOD	< LOD
4895	br-39a	Fig. 10 / Detail 2	rock	ppm	< LOD	129	19	< LOD	20	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	219	< LOD	214	< LOD	< LOD	47751	< LOD	< LOD	< LOD	< LOD	< LOD	9	2	< LOD	< LOD	< LOD	< LOD
4896	br-39b	Fig. 10 / Detail 2	rock	ppm	< LOD	238	34	< LOD	40	25	< LOD	< LOD	< LOD	< LOD	< LOD	189	< LOD	136	< LOD	< LOD	39273	2499	< LOD	< LOD	< LOD	< LOD	11	4	< LOD	< LOD	< LOD	< LOD
4897	br-40	Fig. 10 / Detail 2	rock	ppm	< LOD	187	29	< LOD	49	12	< LOD	12	< LOD	< LOD	< LOD	95	< LOD	60	< LOD	< LOD	61299	865	< LOD	< LOD	< LOD	< LOD	9	2	< LOD	< LOD	< LOD	< LOD
4898	br-40a	Fig. 10 / Detail 2	rock	ppm	< LOD	97	13	< LOD	21	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	137	< LOD	113	< LOD	< LOD	56937	< LOD	< LOD	< LOD	< LOD	< LOD	5	2	< LOD	< LOD	< LOD	< LOD
4899	br-40b	Fig. 10 / Detail 2	rock	ppm	< LOD	187	31	< LOD	62	17	28	< LOD	< LOD	< LOD	< LOD	126	< LOD	29	< LOD	< LOD	35919	< LOD	< LOD	< LOD	< LOD	< LOD	14	7	< LOD	< LOD	< LOD	< LOD

Table No. 3

Black Bear East, Area LA, Detail 2 - 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
4900	br-41	Fig. 10 / Detail 2	rock	ppm	< LOD	199	32	< LOD	35	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	158	< LOD	127	< LOD	< LOD	72793	< LOD	< LOD	< LOD	< LOD	< LOD	10	3	< LOD	< LOD	< LOD	< LOD
4901	br-41a	Fig. 10 / Detail 2	rock	ppm	< LOD	230	32	< LOD	42	15	< LOD	< LOD	< LOD	< LOD	< LOD	167	< LOD	195	98	< LOD	101711	< LOD	< LOD	< LOD	< LOD	< LOD	11	4	< LOD	< LOD	< LOD	< LOD
4902	br-41b	Fig. 10 / Detail 2	rock	ppm	18	116	33	< LOD	30	14	< LOD	< LOD	< LOD	< LOD	< LOD	604	< LOD	256	269	< LOD	129358	7516	< LOD	< LOD	< LOD	< LOD	7	3	< LOD	< LOD	< LOD	< LOD

In all cases <LOD means below level of detection