



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Diamond Drilling, Geological Mapping, Trenching, Prospecting and Physical Work Assessment Report on the Frank Creek, Black Bear, Simlock and Peripheral Properties, Cariboo Mining Division, British Columbia**

**TOTAL COST: \$651,635.03**

**AUTHOR(S): LOUIS E. DOYLE**

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**MAY 15, 2010 to DECEMBER 15, 2011**

**YEAR OF WORK: 2010 - 2011**

**PROPERTY NAME: Frank Creek, Black Bear, Simlock and Peripheral**

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

**504419, 514364, 592299 (SL 2), 592300 (SL 1), 592302 (SL3), 604584 (SL 5), 608523 (Three Creek)**

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

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

**MINING DIVISION: Cariboo**

**BCGS: 093A/11 & 093A/14**

**LATITUDE 52.75° North**

**LONGITUDE 121.36° West (at centre of work)**

**UTM Zone EASTING 610655 NORTHING 5845640**

**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, Massive Sulphides, Gold & Silver**

**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.**

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**Diamond Drilling, Geological Mapping, Trenching,  
Prospecting and Physical Work**

**ASSESSMENT REPORT  
on the**

**Frank Creek, Black Bear and Simlock Properties**

Cariboo Mining Division, British Columbia



for

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

**BC Geological Survey  
Assessment Report  
32696**

Prepared by:

Louis Doyle

January 27, 2012



**Plate No. 1.** 'Blue-quartz-eye schist'. Core on left is from 2004's DDH hole FC04-13 approximately 400 m north of the 2007-2008 trenching area (F9 Area). Rock on right is float from the Discovery Trench area. Both are less altered and foliated versions of the quartz muscovite schist associated with massive sulphide lenses in the F9 Area. The rock is characterized by pale milky blue quartz 'eyes' thought to be rounded phenocrysts in a rhyolitic volcanoclastic; some 'eyes' are subhedral with straight sides. A blue quartz 'eye' is seen in the core just above the line of the light glare. Brown areas on the core appear to be Fe carbonate. White spots in the rock on right have straight sides and appear to be feldspar phenocrysts, relatively rare in the schists.



**Plate No. 2.** Fine grained massive chalcopyrite and pyrite layer in quartz muscovite schist from the Discovery Trench. Coarser vein chalcopyrite in the lower part of the specimen appears to be later. The massive sulphide layer is gently warped along with the rock's foliation

## **1.0 SUMMARY**

Work performed in 2011 on Barker Minerals Ltd.'s main contiguous group of mineral properties was concentrated in the Frank Creek, Black Bear and Simlock project areas.

### **1.1 Frank Creek**

During 2011 eight diamond drill holes (422.02 m) were completed on the property. New trenching occurred as well as a significant amount of reclamation from previous trenching and test hole programs.

Significant mineralization, up to 20% stringers, disseminated and semi-massive to massive sulphides, was intercepted in 7 of the 8 drill holes within the first 20 metres in the volcanoclastic rock. The mineralized intercepts range from .5 metres to 8.7 metres which are within broader altered zones which are consistent with a VMS deposit formation process. Mineralization consists of pyrite, with variable amounts of chalcopyrite, sphalerite and galena.

There is sericite and chlorite alteration in both the volcanoclastic and argillite with localized blue quartz eye and fracture controlled fuschite (chrome mica) along selvages. The argillite is dark grey-black, slightly graphitic in places, moderately to heavily fractured and locally crumbly with 2-3% disseminated pyrite cubes ± chalcopyrite.

Mineralized zones have been sampled and sent to the lab for analysis. 165 initial samples were analyzed and once the results were received a further 30 in-fill samples were also analyzed. Although the in-fill sample results were received after the date of the report they are included in this report for completeness. (see Appendix C)

### **1.2 Black Bear Silver/Gold Project**

Geological mapping was conducted at the Hunt and Providence target areas.

Five shallow diamond drill holes (approximately 80 metres of a planned 1,000 metre program) were completed to test the surface mineralization exposed in trenching during 2010. Historic programs included tunneling and drifting to locate the mineralization below surface, however historical records do not show the exact location of the subsurface workings. All 2011 drill holes were terminated at shallow depths before reaching the target depth due to unstable rock type and loss of drilling water. It is interpreted that the drilling problems arose due to the drilling taking place in or near one of these past underground workings. Future programs will include blasting of the outcrop mineralization and to create new drill pads located further from the outcrop exposure in order to intercept the zones down dip and along strike.

DDH BB - 02 was collared in a quartz vein and had a 4.0 metre quartz vein intercept from surface which was associated with galena mineralization, in the footwall, and within the vein itself.

DDH BB - 05 was located stratigraphically below the Providence mineralization and from surface intercepted approximately 5 metres of intrusive host rock.

8 drill core samples have been prepared and sent to the lab for analysis. (see Appendix G for assay results)



The program was suspended in December due to the high volume of snow received which was creating an inconvenience of having to keep 12 kilometres of road cleared from snow. The drilling is planned to resume as soon as winter conditions subside in 2012.

### **1.3 Simlock Gold Project**

In 2011 Barker Minerals followed up the quad access re-established in 2009 by upgrading the road in order to provide vehicle access to the property while also conducting cursory rock sampling where surface outcrop permitted. The Company was awaiting permit approval at the time of work and thus all work was completed with hand brushing tools such as chain saws, axes and brush saws. 2.3 km of new quad access was established. Eight rock samples were collected during cursory rock sampling of outcrop where surface exposure permitted.

## **2.0 INTRODUCTION**

This report describes assessment work performed on Barker Minerals Ltd. mineral properties in 2011.

Diamond drilling and preparation was done between May 15 and December 15, 2011 on the Frank Creek and Black Bear Properties. Existing road were upgraded and several older trenches and test pits were reclaimed.

Geological mapping was done at the Black Bear and Simlock properties.

In this report chemical abbreviations are used for the elements discussed. The elements and abbreviations are:

Ag	Silver
As	Arsenic
Au	Gold
Ba	Barium
Co	Cobalt
Cu	Copper
Fe	Iron
Mn	Manganese
Pb	Lead
Sb	Antimony
Zn	Zinc

## **3.0 PROPERTY DESCRIPTION and LOCATION**

The Main Property's location in British Columbia is indicated in Figure No. 1 – Main Property Location in British Columbia, and the mineral claims are outlined in Figure No. 2 – 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 10 km north of the settlement of Likely and 90 km northeast the City of Williams Lake. The City of Prince George is 155 km to the north.

The geographic coordinates of the Frank Creek Property are:

52.75° North Latitude and 121.36° West Longitude or  
610655 E and 5845640 N UTM coordinates (NAD 83).

The relevant maps are:

N.T.S. Map No. 93A/11 and 93A/14.

#### 4.0 MINERAL CLAIMS

Details about the mineral claims are provided in Appendix A – Barker Minerals Ltd. Mineral Claim Details.

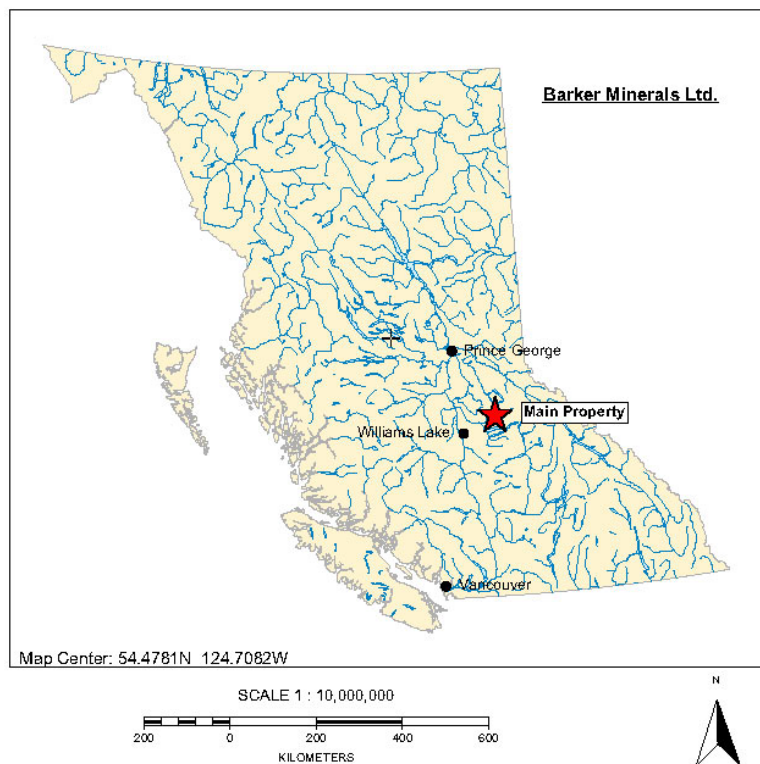
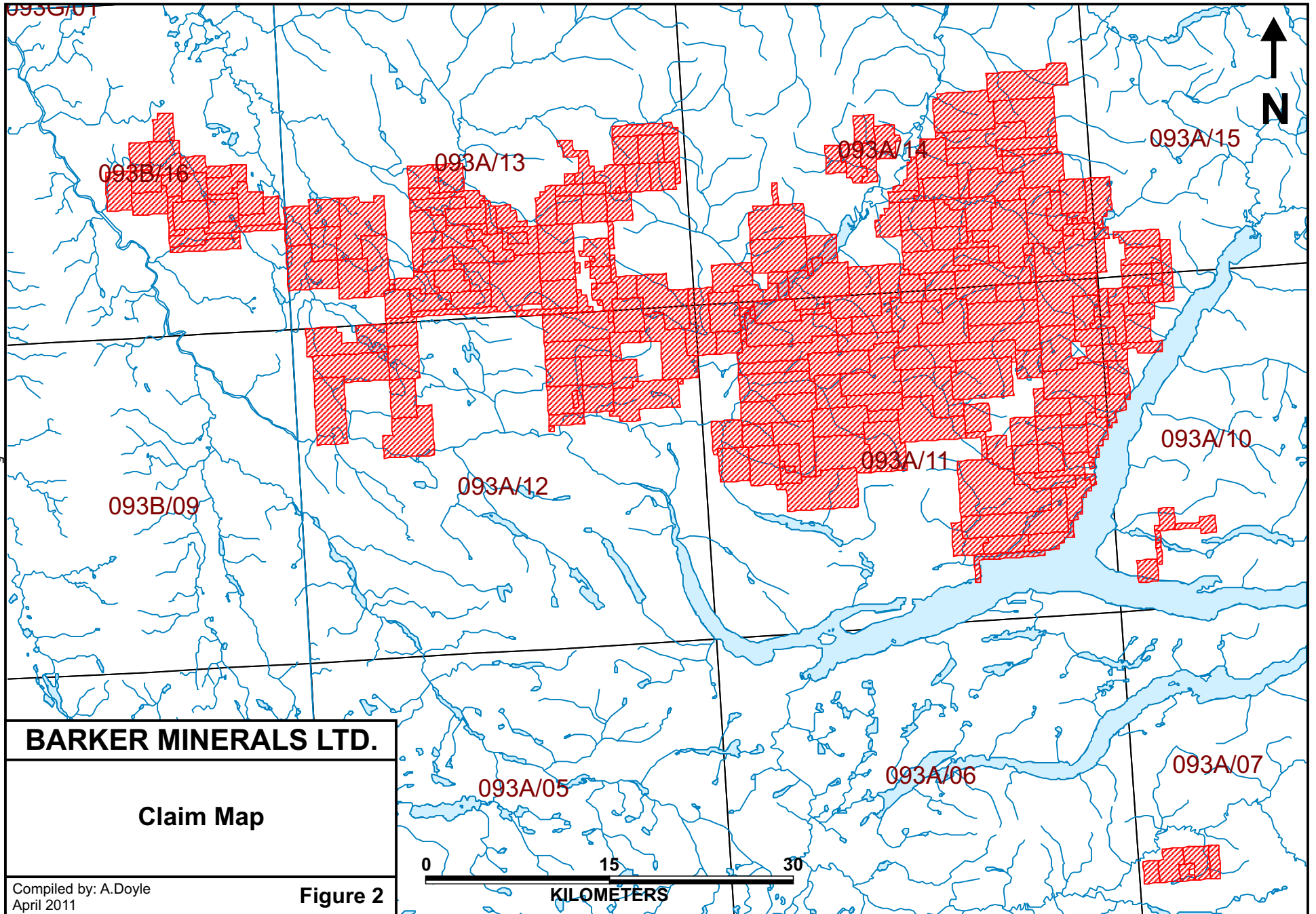


Figure No. 1 - Main Property Location in British Columbia.

#### 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*



**BARKER MINERALS LTD.**

**Claim Map**

Compiled by: A.Doyle  
April 2011

**Figure 2**

0 15 30  
**KILOMETERS**

*(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). Weldwood has been actively logging fir, spruce and pine in the area.*

Access to the Frank Creek is via gravel logging roads bearing northeast from Likely. The way is: Keithley Creek road for 19 km, take right branch onto Barkerville road and cross over Cariboo River. Continue north on Barkerville (8400) road for 6 km. Take right branch (sign indicates D Road) to Frank Creek work area.

## **6.0 HISTORY**

### **6.1 Frank Creek Project**

Old placer workings on the lower portion of Frank Creek suggest placer mining was conducted perhaps since the turn of the 20<sup>th</sup> century and possibly earlier.

#### **6.1.1 Work done in 1980**

The relevant reports are Assessment Reports 9669 and 9677 by M.G. Larsen. Work was done in 1980 by May G. Larsen on the Darcy claims and Alan claims, each consisting of 2 claim units. The Darcy claims straddled the Cariboo Lake Road, on the southeast side of Cariboo Lake approximately 2.5 km northeast of the south end of the lake. The Alan claims straddled Wilby (Pearson) Creek, 5.0 km east of the south end on Cariboo Lake. Prospecting and conventional panning for gold was done. A field chemical test kit and a fluorescent lamp were used to detect various elements and minerals. Nothing of interest was found.

#### **6.1.2 Work done in 1981**

The relevant report is Assessment Report 10252 by T.A. Jones. Work was done in 1981 for Canadian Nickel Mining Limited on the BT claims, consisting of 103 claim units covering Browntop Mountain and the head waters of Frank Creek, north of Seller Creek and Badger Peak. Geological mapping was done and rock and stream sediment samples were collected. Samples of quartz veins had geochemical results of up to 250 ppb Au. The quartz veins occurred in a drainage area of a stream where a silt sample had 330 ppb Au. Quartz veins up to 1 metre thick were stated to be abundant near the common corner of the BT 5, 6, 7, 8 claims, this on a hill approximately 2.0 km southwest of Goose Peak. Follow up work was recommended.

#### **6.1.3 Work done in 1981**

The relevant report is Assessment Report 10264 by J.S. Christie et al. Work was done in 1981 for E & B Explorations Inc. on the Boomerang Property consisting of 104 claim units in the head waters of Seller Creek and covering Badger Peak on the south side of Canadian Nickel's BT claims. Reconnaissance stream sediment and soil sampling was done to follow up government geochem data indicating a 750 ppm As anomaly in a stream. The stream and soil samples returned values up to 345 ppm As and up to 1,500 ppm Pb. Gold values obtained were low. Areas of very rusty soil and outcrop occurred in

the anomalous drainage and quartz vein float containing galena, tetrahedrite and sphalerite were found. Follow up work was recommended.

#### **6.1.4 Work done in 1983**

The relevant report is Assessment Report 11620 by Beaton, R.H.

Work was done in 1983 for Silver Standard Mines Limited on the Thunder Property consisting of 36 claim units roughly along the southeast side of Cariboo Lake, extending from Frank Creek southwest toward Wilby Creek. Initial prospecting in early 1983 discovered pyrite-chalcopyrite mineralization on the 'D' logging road on the west side of Frank Creek. Subsequent follow up included 419 soil samples collected over a grid consisting of 22.4 km cut line over a 1.2 km x 2.0 km area. Soils anomalous in copper, zinc or silver were followed up by limited mechanical trenching at 3 locations along roads. Minor sulphide mineralization was found and was deemed to be probably related to lenses of intrusive rock and to a lesser degree quartz veining. No follow up work was recommended.

#### **6.1.5 Work done in 1983**

The relevant report is Assessment Report 13154 by Mar, J.

Work was done in 1983 for Esso Minerals Canada on the NB claims consisting of 40 claim units covering Wilby Creek drainage and southward toward Sellar Creek. Work consisted of geological mapping over the claims area and stream sediment and soil sampling concentrated close to the banks of Wilby Creek. Stream sampling included heavy mineral concentrates and conventional stream sediments. 13 rock, 8 heavy mineral and 124 soil samples were collected. Rocks mapped were considered to be metamorphosed volcanic and sedimentary rocks belonging to the Harveys [Ridge] Succession and granitic gneiss, possibly a sill, belonging to the Quesnel Lake Gneiss. Rusty carbonate-sericite altered rock appeared to occur widespread on the north side of Wilby Creek. Minor pyrite, chalcopyrite, galena and sphalerite occurred with quartz and altered rock.

Several rock samples were anomalous in Au and in pathfinder elements; the highest Au value was 445 ppb. The Assessment Report text states that stream sediments indicated an enhanced background for As and Sb but modest Au values. Heavy mineral concentrate Sample No. H331 had 3,600 ppb Au however and a conventional stream sample at the same location on Wilby Creek had 130 ppb Au. The Assessment Report text states that the soils gave 'best responses' or anomalies in As, Co, Cu and Pb. No Co, Cu or Pb results in soils are provided in the report however. Though a suite of anomalous metals were acknowledged the soil results were considered sporadic with no well-defined trends. No follow up work was recommended.

#### **6.1.6 Work done in 1984 to 1986**

*Work on [Frank Creek] was done from 1984 to 1986 by the Rasmussen Brothers, who re-entered and re-explored the old Apostle placer drift on the west bank of the creek and dug a 48 foot (14.6 metre) shaft higher on the creek. When large massive sulphide boulders were found at the base of placer gravels on the east side of the creek, a hard rock claim, the Home Run (9 units) was staked, but little or no exploration was done and the claim lapsed in 1987. (Guinet, 1988).*

#### **6.1.7 Work done in 1986**

The relevant reports are Assessment Reports 15420 and 15804 by Schmidt, U.

Work was done in 1986 for Casmiro Resource Corp. on the C1, Conch1 and C3 claim groups totalling 56 claim units. The C1 and Conch1 claims were located approximately 2.0 km south of the south end of Cariboo Lake, on the west side of Esso's NB claims. The C3

claim was located on the east side of Esso's claims and in the headwaters area of Wilby Creek and south tributary of Frank Creek.

The purpose of the work was to locate areas of precious metals mineralization. Approximately 179 soil and 8 silt samples were collected and analysed. Geological mapping was also done in the C3 claim area. Metamorphosed sedimentary and intrusive rocks were observed. The report states no significant gold values occur on the C3 soil grid and that geochemical anomalies in other elements on the Conch 1 and C3 grids indicated off-property sources. An anomaly on C1 grid was considered to reflect lithological boundaries. It was recommended that the soil grids be extended.

**6.1.8 Work done in 1987**

The relevant report is Assessment Report 17696 by Guinet, G. Work was done in 1987 for Golden Eye Minerals Ltd. on the MASS claim consisting of 9 claim units covering the lower portion of Goose (Frank) Creek just above the Cariboo Lake Road, on the southeast side of Cariboo Lake.

The occurrence of numerous boulders of massive sulphides, up to just over 1.0 m in size, in the lower portion of Goose (Frank) Creek prompted prospecting and stream sampling to be done on the MASS claim area. 20 stream sediment samples were collected along a 1,300 m length of Goose (Frank) Creek. The source of the massive sulphide boulders was not found and the stream sampling had no interesting results. Further work was recommended to be done on the north side of the property, to include geochemical and geophysical (EM) surveys.

**6.1.9 Work done in 1988-1989**

The relevant report is Assessment Report 19345 by Martin, L.S. Work was done in 1988-1989 for Formosa Resources Corp. and Golden Eye Minerals Ltd. on the MASS Property totalling 100 claims covering the main parts of the drainages of Frank Creek and Wilby Creek.

Work consisted of geological mapping, soil sampling, VLF-EM and magnetic geophysical surveys and mechanical trenching. Approximately 1,400 soils and 166 rock samples were collected on a cut grid over approximately 2.0 km x 2.5 km in area. A suite of 30 elements was analysed. This work was concentrated on the west side of the lower part of Frank Creek.

Geological mapping outlined volcanic and sedimentary rock units of the Harveys Ridge Division and intrusive rocks of the Quesnel Lake Gneiss.

Three representative massive sulphide boulders from Frank Creek had assay results of:

<b>Sample No.</b>	<b>Cu %</b>	<b>Pb %</b>	<b>Zn %</b>	<b>Ag oz/T</b>	<b>Au oz/T</b>	<b>Ba %</b>
Q5351	0.45	3.91	3.48	3.50	0.001	0.75
Q5352	0.07	3.81	5.44	4.24	0.001	3.08
Q5353	1.38	2.13	2.24	1.96	0.005	0.32

Soil sampling results indicated a coincident Cu, Pb, Zn soil anomaly occurring in the vicinity of D logging road where Barker Minerals would in 1999 uncover massive sulphide mineralization in bedrock in their 'Discovery' trench (later named Frank Creek showing). Barium was conspicuously not anomalous in this area. This anomalous area had weak coincident VLF-EM anomalies. A significant magnetic anomaly occurring approximately 500 m to the west could not be explained.

The southern part of the MASS Property grid had anomalies in Cu, Pb, Zn and Ba in an area of weak local magnetic anomalies and a fairly consistent VLF-EM anomaly oriented NW-SE. These geophysical anomalies were thought to related to geological contacts between volcanic and sedimentary rocks and the Quesnel Lake Gneiss intrusive.

The trenching work did little more than indicate the presence of a thick blanket of till and that some of the soil anomalies may be transported. Further work was recommended to include soil sampling, trenching and eventually a drilling program.

#### **6.1.10 Work done in 1991**

The relevant report is Assessment Report 21930 by McClintock, J.A.

Work was done in 1991 for Formosa Resources Corp. and Annex Exploration Corp. on the MASS and ANNEX Options totalling 245 claim units. These claims covered almost all of the southeast side of Cariboo Lake and extended from Wilby Creek in the south to Little River in the north.

Work consisted of prospecting, geological mapping, stream silt and soil sampling and 388 line km of helicopter-borne EM, magnetometer and radiometric surveying. 56 stream silt, 21 soil and 5 rock samples were collected. The objective was to find the bedrock source of numerous massive sulphide boulders known to occur near the mouth of Frank Creek.

The helicopter-borne EM survey found 7 areas of conductors; all of the conductors were deemed possibly caused by sulphides. Most of the conductors occurred in rocks mapped as Harveys Ridge Group. Black argillaceous schists were noted; these varied from non-graphitic to graphitic.

Magnetic anomalies were interpreted as possibly associated with intermediate and mafic volcanic rocks. All conductive anomalies occurred on the southwest side of Frank Creek except for the minor Area H located northeast of Frank Creek. Most of the conductive responses occurred as parallel multiple horizons. Conductors at Anomaly E were considered a priority for follow-up.

Further southwest, toward Wilby Creek, a much larger conductive complex was evident. Graphitic schist known to occur in some parts of the survey area was assumed a probable cause of most of the conductor anomalies there. Notwithstanding the considered occurrence of graphitic schists, the geophysical interpreter determined seven areas of conductors worthy of follow up for base and precious metals mineralization.

The radiometric survey determined elevated potassium counts got were possibly associated with sediments having thin overburden cover at higher elevations on the property. The radiometric results did not appear to be mapping any specific lithology.

Further work was recommended to include prospecting, soil sampling and detailed mapping and a Max-Min EM geophysical survey. 610 m of diamond drilling was also recommended.



#### **6.1.11 Work done in 1992**

The relevant report is Assessment Report 22599 by Donaldson, W.S.

Work was done in 1992 for Formosa Resources Corp. and Annex Exploration Corp. on the MASS Property totalling 176 claim units covering the area between Frank Creek and Wilby Creek to the southwest.

Work consisted of prospecting, geological mapping, VLF-EM and HLEM ground electromagnetic surveys, rock, soil and stream silt sampling and mechanical trenching. The electromagnetic and soil sampling surveys were done over 7 small widely separated grids established over locations where the previous year's helicopter-borne EM survey defined conductors not explained by rock outcroppings. 308 soil samples were collected over these grids. The geophysical and geochemical surveys were successful in detecting conductors and numerous Pb and Zn soil anomalies in a 30-element suite analyzed. Six trenches were mapped and sampled over locations of HLEM and soil anomalies. Bedrock in the trenches consisted of metamorphosed sedimentary rocks, frequently graphitic.

It was deemed all the geophysical anomalies from the various EM surveys done in 1991 and 1992 were due to conductive graphitic argillite and schist. High Pb and Zn values in rocks, soils and streams were deemed due to high background values in the metasedimentary rocks and quartz veins and faults and shears resulting in remobilization of minerals. It was concluded the geological environment remained compatible with the massive sulphide mineralization observed in boulders in Frank Creek. It was considered the source for these boulders was not found because it may be located up ice (and off the property) or is too small to be detectable by the work done [over the 7 scattered grids]. Further work was not recommended.

#### **6.1.12 Work done in 1992**

The relevant report is Assessment Report 22642 by Donaldson, W.S.

Work was done in 1992 for Rio Algom Exploration Inc. on the CCH Property consisting of 38 claim units between the lower portions of Wilby Creek and Seller Creek. Rio Algom was also the operator of the work done for Formosa Resources and Annex Exploration on the MASS Property, adjacent to the northeast.

Work consisted of geological mapping and collection of 4 stream silt, 120 soil and 9 rock samples. A suite of 30 elements was analysed. The objective was to find the bedrock source of the numerous massive sulphide boulders known to occur near the mouth of Frank Creek on the MASS Property.

Some rock samples were anomalous in Au in quartz veins. Some soils were anomalous in Pb, Zn or Au, considered due to high background values in metasedimentary rocks. As on the MASS Property, the conclusion was that the source of the massive sulphide boulders in Frank Creek probably came from up ice, off the property, or was too small to be detectable by the work done. Further work was not recommended. [In this author's opinion the work was too limited to find the massive sulphide source.]

#### **6.1.13 Work done in 1996**

The relevant report is Assessment Report 24662 by Yorston, R.

Work was done for in 1996 by R. Yorston on the MASS claims, a 20-unit property staked by himself over the lower portion of Frank Creek, a part of the area of Formosa Resources' and Annex Exploration's lapsed MASS Property.



Work consisted of 60.9 m of percussion drilling in 2 holes. These holes were done on the branch D logging road at a hairpin turn just below where Barker Minerals Ltd. would later discover massive sulphides in boulders and bedrock in their Discovery trench in 1999. Both Yorston's percussion drill holes returned highly anomalous Cu, Pb and Zn results (1,766 ppm, 746 ppm, 2,969 ppm respectively). Follow up work was recommended but not done, the MASS claims lapsed in 1999 and Barker Minerals Ltd. staked the Frank claim over this area the same year.

#### **6.1.14 Work done in 1998**

The relevant report is Assessment Report 25752 by Doyle, L.E.

Work was done in 1998 for Barker Minerals Ltd. on the Frank Creek Property (Jess 1-3 claims) in the middle part of Wilby Creek.

Work consisted of prospecting. Stream sediment and rock samples were collected and analysed for a suite of 32 elements. Several rock samples were highly anomalous, with Pb up to 9.06% and Ag up to 6.65 oz/T.

From 1998 onward all work on the Frank Creek Property was done for Barker Minerals Ltd. under the overall supervision and strategic guidance by Louis E. Doyle, President.

#### **6.1.15 Work done in 1999**

The relevant report is Assessment Report 26003 by Payne, J.G.

Work was done in 1999 for Barker Minerals Ltd. on the Frank Creek Property, at the time consisting of Jess 1-4 and Frank claims totalling 92 claim units covering the lower half of Frank Creek and extending west to include the Wilby Creek area. The Frank Creek Property was a portion of a 80 km x 30 km claim block including 2,590 claim units staked in 1996 by Barker Minerals. This large group of claims is henceforth termed the 'Peripheral' claim block.

The 1999 prospecting by L.E. Doyle on the Frank Creek Property discovered massive sulphide boulders containing pyrite, galena, sphalerite and chalcopyrite on the D logging road, approximately 2.5 km up from the main 8400 (Cariboo Lake) Road. Grab samples from the boulders returned high values in base metals and pathfinder elements. Sample No. 99-F1 for example had 0.62% Cu, 11.1% Pb, 3.13% Zn, 14.0 oz/T Ag. The (Discovery) trench subsequently excavated at this location exposed a stratiform, massive sulphide layer at least 1.2m thick over a strike length of 10 m (Wild, 2002a).

Mapping discovered pillow structures in mafic volcanic rocks on the Frank Creek Property indicating a seafloor environment. Mapping and lithochemical results by this time were indicating a bimodal (mafic-felsic) volcanic system favourable for hosting volcanogenic massive sulphide deposits. The orientation of the pillow structures indicated that, at least in the local area of Frank Creek, strata were overturned and younging of strata was toward the northeast, with mafic volcanics including pillow lavas stratigraphically overlain by felsic tuffs having a probable genetic relationship with the newly discovered massive sulphide zone.

Prospecting at Wilby Creek (Big Gulp showing) on the south side of the Frank Creek Property had encouraging results but no specific follow up was recommended. Soil and geophysical surveys were recommended at Sellar Creek and other areas of the 'Peripheral' claim block.

Extensive follow up work recommended a detailed EM/magnetometer survey, grid soil sampling, a petrographic study, trenching and drilling to be done on the Frank Creek Property.

#### **6.1.16 Work done in 2000**

The relevant report is Assessment Report 26504 by Payne, J.G.

Work was done in 2000 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR and other areas of the 'Peripheral' and 'Quesnel Platinum' claim blocks totalling 3,842 claim units.

A Max-Min HLEM and magnetometer geophysical survey was done at Frank Creek and SCR. The resulting magnetic patterns outlined bedrock geological boundaries. The HLEM survey defined 11 conductors on the Frank Creek Grid and 3 conductors on the Sellers Grid at SCR. The geophysical report (Walcott, 2001) describes the 'Sellers Grid' as having been done on the 'Sellers Creek Property'. This is actually at the SCR prospect (Minfile No. 093A 203) and not to be confused with the Sellers Creek showing (Minfile No. 093A 131), approximately 7 km to the southeast.

The conductors at Frank Creek were thought attributable to sulphide mineralization and/or graphitic horizons. Most of the conductors were shallow and dipped steeply. Conductor A at Frank Creek was considered possibly related to Cu-rich sulphide stringers in outcrops located east and stratigraphically above the Frank Creek Discovery massive sulphide showing. The presence of stacked massive sulphide bodies was suggested and Conductor A an excellent target for follow up. The conductors at SCR were associated with magnetic anomalies. The most prominent conductor was associated with higher magnetics and having good correlation with Pb, Zn and Cu in soils taken in a 1986 survey. Others conductors were associated with the Big Gulp showing at Wilby Creek or altered volcanic rocks or soil anomalies. (Payne, 2001, pp. 17-18).

A reconnaissance VLF-EM traverse was done along a road at Big Gulp. The data indicated a significant conductor ('Big Gulp' C-Road) but no interpretation was provided (see Payne, 2001).

Petrographic analysis was done on several rocks from the Frank Creek and other areas of the 'Peripheral' claim block.

Follow up work was recommended for the Frank Creek Property and at the Ace, SCR, Quesnel Platinum and other prospects within the 'Peripheral' claim block. The recommendation for Frank Creek included further geological mapping and Max-Min geophysics along with a gravity survey and trenching and drilling.

#### **6.1.17 Work done in 2001**

The relevant report is Assessment Report 26805 by Walcott, P.E.

Work was done in 2001 for Barker Minerals Ltd. on the Frank Creek, Ace and SCR Properties and other locations on the 'Peripheral' claim block.

Work done on Frank Creek Property consisted of Max-Min HLEM, magnetometer, dipole-pole induced polarization and gravity geophysical surveys and mechanical trenching. This work was concentrated at small areas near the F1 target (Discovery Trench-Frank Creek Showing) and up to 2.0 km away toward the west and southwest. HLEM and magnetometer work was also done at SCR and Big Gulp and gravity work was done at Big Gulp.

The HLEM survey extended previously known conductors on Frank Creek Property but the massive sulphide showing at the Discovery Trench was unresponsive to either the electromagnetic or induced polarization techniques. However anomalous chargeability values were observed just east of the showing. Gravity profiling over the showing area and previously located EM conductors failed to show any excess mass associated with them. The 1:20,000 scale TRIM maps used for terrain corrections in the gravity survey were deemed unsatisfactorily coarse for the purpose and the geophysical contractor recommended a new effort to be made with more accurate control for terrain corrections.

At SCR the prominent conductor and magnetic anomaly of the previous year was further defined. The geophysical report (Walcott, 2002a) describes the Sellers Grid at 'Sellers Creek' as having been extended eastward. This is at the SCR prospect (Minfile No. 093A 203) and not to be confused with the Sellers Creek showing (Minfile No. 093A 131), approximately 7 km to the southeast.

A gravity anomaly at Big Gulp was somewhat coincident with a topographic high. Three moderate conductors were evident at Big Gulp. Additional geophysical work was recommended to detail the anomalies at Frank Creek, Big Gulp and SCR.

The trenching program, totalling 707 metres excavated in 9 trenches and 31 test pits in the areas of the Frank Creek Showing (Discovery Trench) and within several hundred metres to the northwest and northeast. Trenching near the beginning of the D Road did not reach bedrock. The source of massive and semi-massive mineralized boulders there remained unexplained. The Discovery Trench was also deepened. The several massive sulphide layers in the Trench were truncated by faults. The same metasedimentary and volcanoclastic rocks and mineralized horizon that host the massive sulphide mineralization of the Frank Creek Showing in the Discovery Trench were uncovered in Trench TR-BW-10, approximately 375 m northwest of the Discovery Trench, and in trench TR-BW-04, up to 50 m southeast of the Discovery Trench. The potentially mineralized NW-SE trend was considered to now be over 425 metres along and open in both strike directions and to depth (Wild, 2002a and Perry, 2002). Frank Creek's massive sulphide occurrence was considered to resemble the Besshi-type Goldstream Mine Cu-Zn massive sulphide deposit, 230 km to the southeast. Other trenches and test holes generally targeted geophysical conductors. Trench TR-BW-03, 50 m south of the Frank Creek Showing, uncovered pyritic rocks but did not locate the target mineralized horizon. Other trenches hit graphitic faults or did not encounter obviously conductive rock.

Further work was recommended to include soil sampling mechanical trenching and 7,500 feet (2,286 m) of diamond drilling.

#### **6.1.18 Work done in 2002**

The relevant report is Assessment Report 27125 Doyle, L.E.

Work was done in 2002 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR Properties and other locations on the 'Peripheral' claim block totalling 4,092 claim units.

Work done on Frank Creek Property included 813 m of diamond drilling in 6 holes and 289 m of mechanical trenching in 5 trenches in and adjacent to the F1 Target area. Electromagnetic (Max-Min and VLF-EM), gravity, and induced polarization (IP) surveys were also done at Frank Creek.

Targets of this work were the northwest extension of the Frank Creek Showing toward the previous year's Trench TR-BW-10 and magnetic highs, conductors and chargeability anomalies from previous geophysical surveys. Drill holes FC02-05, 06 and 01 intersected disseminated, semi-massive and relatively narrow massive pyrite-rich mineralization along the mineralized trend between the Frank Creek Showing and Trench TR-BW-10. Besides pyrite, chalcopyrite, sphalerite and galena occurred in relatively minor amounts. The mineralized horizon was determined to be hosted by siliceous, sericitic, weakly chloritic phyllites and quartz-eye grits.

The geophysical surveys on the Frank Creek Property were done in the F1 Target area (Frank Creek Showing) and the F7 Target area (on the lower portion of D Road). Elevation control in the gravity survey was to 6 centimetre accuracy using a Sokkia total station and prism reflector. This was an improvement over the elevation control used in the 2001 gravity survey. As in a previous survey the Frank Creek Showing showed little response to IP or VLF-EM suggesting this showing does not have significant strike length or size. A new gravity traverse was not done over the Frank Creek Showing at the F1 Target. The conductor at F7 Target area was extended 100 m but the ensuing gravity traverse failed to detect an associated excess mass. The limited IP survey at Frank Creek confirmed the location of 2 previously located conductors but no further work was done on these.

Recommended follow up work included stratigraphic and lithogeochemical studies to define the paleotectonic setting of the mineralization, the most favourable host lithologies and the distribution of hydrothermal alteration to provide an exploration model for the area. Other recommended work included HLEM, VLF-EM and gravity geophysical surveys to trace continuations of known anomalies. Further drilling, trenching and soil sampling toward the northwest and southeast to follow the mineralized strike was also recommended.

#### **6.1.19 Work done in 2003-2004**

The relevant reports are Assessment Reports 27655 and 28248 by Doyle, L.E. Work was done in 2003-2004 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR Properties and other locations on the 'Peripheral' claim block totalling 4,401 claim units.

A study (Barrett & MacLean, 2003) was done of the lithological and lithogeochemical features of approximately 503 rock and drill core samples from Frank Creek, Ace and the 'Peripheral' Properties, approximately 175 of these were from Frank Creek. Analyses were of rock-forming oxides and trace elements. The study included a petrographic examination of selected rock types. A review of possible analogs to Frank Creek and Ace was provided; these included places in Canada, Japan, Namibia and ocean ridges. The objective was to provide an interpretation of the host stratigraphy of the Frank Creek and Ace Properties and discussion of possible sea floor settings for the sulphide mineralization.

Conclusions by Barrett & MacLean relevant to Frank Creek were:

- The Frank Creek host rocks in the [Discovery] trench and nearby drill holes represent a sequence of distal continental shelf clastic sediments, with no evidence for felsic volcanic input.
- The lithological sequences at Frank Creek (and Ace) show features of both Besshi-type and Sullivan-type deposits. The Frank Creek setting suggested a continental marine shelf undergoing rifting.

- Evidence of graded bedding in the 2002 drill holes and outcrops of basaltic pillow lavas approximately 1.5 km southwest of the Discovery Trench indicated younging of strata toward the northeast and that the mafic extrusives would be the stratigraphic footwall of the sulphide beds in the Discovery Trench.
- The interpreted occurrence of mafic magmatism on a faulted continental shelf bodes well for the development of hydrothermal systems and the formation of massive sulphide beds, as does the generally reduced nature of bottom waters as indicated by the presence of graphitic argillites.
- Such a setting would be favourable for the development of hydrothermal systems, and the formation of sediment hosted massive sulphide deposits in sub-basins containing reduced bottom waters (now black shales and Mn-rich sediments).
- Much more drilling is required to explore the large tracts of favourable geology in the Cariboo Lake area that could host massive sulphide deposits (specific locations at Frank Creek and Ace Properties were recommended).

A Titan-24 geophysical survey included DC resistivity, induced polarization and deep-penetrating tensor-magnetotelluric surveys over 15.8 line km in a 1.5 x 2.4 km area on Frank Creek Property. The purpose was to identify drill targets characterized by high chargeability or low resistivity. 90 separate anomalies of varying significance were identified; 18 were considered major low resistivity features. Barker Minerals' F1, F3, F7 and F8 Target areas 'all hosted pronounced chargeability high and resistivity low anomalies consistent with massive sulphides or graphite' (Donohue et al., 2004, pp. i,ii).

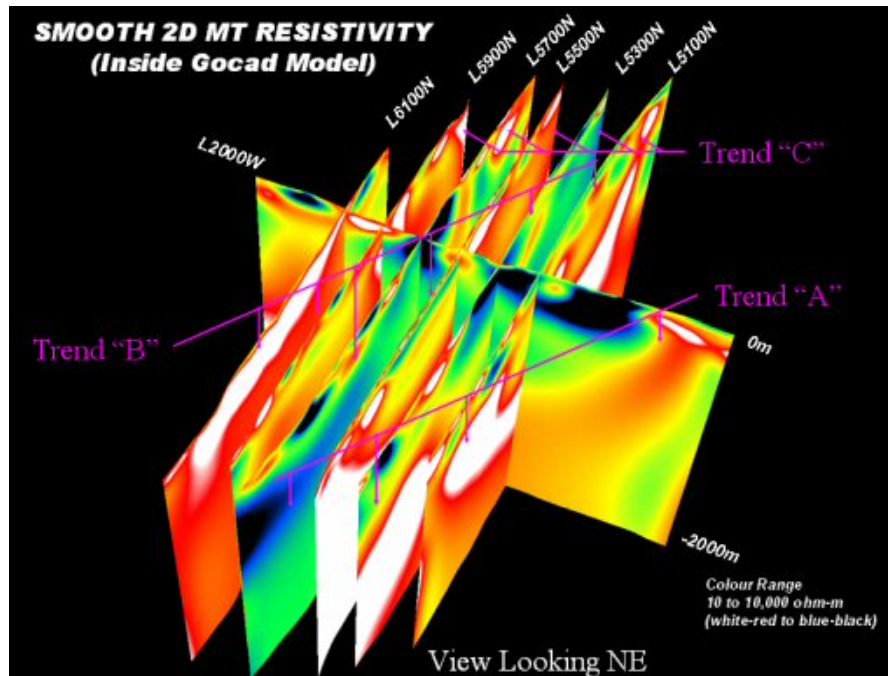
The 90 anomalies of the Titan-24 survey were grouped into 3 major geophysical Trends A, B and C (Barker Minerals, Company News, Aug 26, 2004):

Trend A – a large broad conductive and variably polarizable zone, present on the western portions of survey lines 5100, 5300 and 5500. Locally, strong Cu, Pb and Zn soil anomalies from previous surveys correlated with the geophysical Trend on lines 5300 and 5500. Trend A remained open to the west and south.

Trend B – a flat lying conductive and polarizable zone extending from line 5100 in the south to line 6100 in the north, the trend becoming thicker and stronger toward the north and remaining open to the north. The high chargeability anomaly reached surface in narrow sections near the F1 Target area (Frank Creek Showing). Locally, strong Cu, Pb and Zn soil anomalies correlated with the geophysical Trend on line 5700.

Trend C – a steeply dipping conductive and polarizable zone on the eastern ends of lines 5100 to line 5900. Locally, Trend C is coincident with strong soil anomalies and a broad magnetic trend.

[Three geophysical Trends A, B & C were identified in 2004 and are shown in Figure No. 3.]



**Figure No. 3** - Frank Creek Property Geophysical Trends A, B, C resulting from the 2004, Quantec Geoscience Ltd. Titan 24 Distributed Array Survey. This Figure is from Barker Minerals Ltd. website, Company News, Aug. 24, 2004. See Doyle, 2005, Assessment Report 28248, Appendix II for the relevant Quantec Geoscience Ltd. report.

The Titan-24 geophysical survey is discussed in detail in Turna (2008, pg. 36).

In 2003 109 m of trenching in 2 trenches was completed at SCR. The targets were coincident geochemical soil and geophysical anomalies. Boulders with Cu, Pb and Zn mineralization were found in fairly deep till.

Trenching in 2004 focused on the Trend B anomaly of the Titan-24 geophysical survey. In the F7 Target area mineralized sub-outcrop contained stringer and semi massive mineralization containing pyrite, sphalerite and chalcopyrite. Usually the trenching was not able to reach bedrock due to thick glacial overburden.

Diamond drilling in 2004 included 7 holes (1,880 metres total). The holes were all located in the F7 Target area, low on the D Road, between approximately 400 m and 900 m west northwest of the Frank Creek Showing. The holes targeted geological features and geophysical anomalies. Zones up to 70 m wide of alteration (mainly sericite and chlorite) were reported and disseminated, stringer, semi-massive and narrow massive sulphides were described in the core logs for 6 of the 7 holes. One hole ended short at 41.8 m. Hole FC04-07 between 122.9 m and 307.9 m (185 m) had 4 (30 cm to 90 cm) zones of sulphides with aggregate Cu/Pb/Zn geochemical results of at least 10,000 ppm. Hole FC04-13 between 257.6 m and 433.0 m (175.4 m) had 12 (10 cm to 60 cm) zones of sulphides with aggregate Cu/Pb/Zn geochemical results of at least 10,000 ppm. These results were sub-economic but indicated an extensive mineralizing hydrothermal system.

Recommendations for further work included:

- continue trenching geophysical and geochemical targets using a larger backhoe.

- the Titan-24 geophysical anomalies to be tested by systematic drilling, and geophysical surveying, particularly EM, to be made down the boreholes.
- soil sampling over strike extensions of known mineralized trends and over specific target areas.
- a 3D geoscientific model to be built from the extensive existing data set in order to refine interpretations.

#### **6.1.20 Work done in 2005-2006**

The relevant report is Assessment Report 28978 by Doyle, L.E.

Work was done in 2005-2006 for Barker Minerals Ltd. on the Frank Creek Property.

Work done on Frank Creek Property included 1,566 m of diamond drilling in 4 holes in 2005, and 2,037 m in 5 holes in 2006. The 9 holes mainly targeted geophysical anomalies from the 2004 Titan-24 geophysical survey. Zones of sericite, chlorite, silica and iron carbonate alteration were encountered. Base metal sulphide mineralization occurred in stringers and narrow semi-massive and massive zones. The results were sub-economic but indicated the presence of an extensive mineralizing hydrothermal system consistent with a massive sulphide environment. Two further drill holes were completed in December 2006. These holes are described below together with work done in 2007.

Recommendations for further work included:

- continued systematic testing of geophysical targets defined by the Titan-24 survey of 2004. The work to consist of soil sampling, trenching and drilling.
- a reconnaissance exploration program to examine the largely unexplored part of Barker Minerals' properties between the Frank Creek and Ace massive sulphide prospects, and other areas of the large 'Peripheral' claim block.

#### **6.1.21 Work done in 2006-2007**

The relevant report is Assessment Report 29740 by Turna, R. and Doyle, L.E.

Work was done in 2006-2007 for Barker Minerals Ltd. on the Frank Creek, Kangaroo and MAG Properties and other locations on the 'Peripheral' claim block. By this time the 'Peripheral' contiguous block of claims was 115,217 hectares in size under the Mineral Titles Online staking system and extended approximately 80 km x 30 km east-west and north-south.

On Frank Creek Property two drill holes (705.0 m) were done in December 2006 to test EM geophysical targets from the 2004 Titan-24 geophysical survey. Narrow zones of Zn and Pb-rich mineralization were encountered in zones of sericite, chlorite, silica or carbonate alteration.

889 soil samples were collected over the survey grid cut in 2004 for the Titan-24 geophysical survey. Seven anomalous multi-element patterns or Trends were recognized.

Trend 1, a NW-SE trending soil anomaly near the Frank Creek Showing included anomalous Cu, Pb, Zn and pathfinder elements. Trench FC07-3 and test pits were dug over this anomaly. This trench contained a stockwork of pyritic stringers containing chalcopyrite,

sphalerite and galena. Trend 3, a NW-SE trending soil anomaly 750 m southwest from the trench dug over Trend 1, also included anomalous Cu, Pb, Zn and pathfinder elements. Trenches FC07-1,2,4,5 and test holes were dug over this anomaly. These trenches (F-9 Target area) all contained small lenses and pods of massive sulphide mineralization. Sulphides in these trenches contained mainly pyrite and galena with less chalcopyrite than the Trench FC07-3 over Trend 1. Trench FC07-5 contained a 2m x 5m pod of semi massive sulphide.

A petrographic study of representative rocks from the 2007 trenches indicated the mineral host rocks were rhyolitic volcanoclastics.

#### **6.1.22 Work done in 2008**

The relevant report is Assessment Report 30764 by Turna, R.

A diamond drilling program was done on the Frank Creek property to test the 2007 survey's Trend 3 Cu-Pb-Zn soil anomaly where significant Cu, Pb and Zn mineralization was discovered in trenches excavated that year, to test certain HLEM conductors from the 2000 geophysical survey and to improve understanding of the geology at certain locations. Most of the drilling at the Trend 3 anomaly was done in a grid pattern. 2,375 metres were drilled in 13 holes.

The results of DDH Holes FC08-25 to 28 were inconclusive. Holes FC08-25 and 26 did not reach the geophysical conductor targets due to squeezing in the holes caused by broken rock. Conductive zones targeted by Holes FC08-27 and 28 encountered graphitic argillite and sulphide bands. Hole FC08-29 affirmed the down-dip continuity of sulphide mineralization previously encountered in 2004 and 2005 in holes FC04-13 and FC05-17. A 4.65 metre intercept of semi-massive to massive sulphide with 50% - 90% total metal content occurred in Hole FC08-34 at a depth of 16.55m - 21.20m. Holes FC08-30 to 37 drilled in a grid pattern at F9 Target Area, affirmed the stockwork or footwall-type nature of the Cu-Pb-Zn sulphide mineralization in the area, notwithstanding occurrences of several syngenetic-appearing sulphide bands. A good example of overturned graded bedding in Hole FC08-29 added to similar proof of overturned strata from DDH holes from past years (see historic assessment reports regarding drilling at Frank Creek) and overturned pillows in lava (see Ferri, 2000, pg. 47 and Ferri, OF 2003-1, Map). The overturned geology implies, particularly at the F9 Target Area, the geology exposed at the surface is the footwall zone to possible massive sulphides, intact, at a deeper level. A semi-horizontal lie to shallow westward dip to geologic strata was indicated in the drilling sections in the assessment report, which accorded with Ferri (OF 2003-1, Section B-B') for the Frank Creek area.

#### **6.1.23 Work done in 2009**

Work performed in 2009 on Barker Minerals Ltd.'s main contiguous group of mineral properties was concentrated in the Frank Creek area where two diamond drill holes (900 m) were done and rock samples were collected from a recently excavated trench.

DDH FC09-38 targeted a strong HLEM conductor. The hole intersected a quartz vein stockwork in a very intense silica-sericite alteration zone which was sulphide-poor. An unmineralized gouge (fault) zone in locally graphitic sedimentary rocks may explain the conductor here. A gold-anomalous zone occurred between 39 to 60 m, associated with Pb and Zn in graphitic argillites. Though it was necessary to test the HLEM conductor, it is considered this drill hole was poor in sulphides due to it not being on geological strike with the stratabound massive sulphides in the nearby Discovery Trench.



DDH FC09-39 targeted a strong Titan-24 low resistivity (conductor) anomaly. The upper 90 m of this hole intersected locally graphitic sedimentary rocks which had generally elevated values in a number of elements, including gold. This can be partly explained by high background geochemical values to be expected in this type of rock or by mineralization remobilized from an older deposit, though the anomalous gold may be related to relatively late veins. Hole 39 had a mineralized zone between approximately 280 m and 410 m associated with a stockwork of sulphide veins in silicified and sericitized 'quartz eye' volcanoclastics. This mineralized zone appears to correlate with massive sulphide lenses discovered in trenching in the F9 area in 2007 and drilling in 2008.

## **6.2 Black Bear Project**

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

Placer mining for gold was conducted on Black Bear Creek in the early 1900's and earlier. 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 and 1980.

### **6.2.1 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.

### **6.2.2 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.

### **6.2.3 Work Done in 1972**

The relevant report is Assessment Report 3944 by R.B. Stokes.

Work was done on the B.G. claims by D.G. Leighton on the quartz and galena showings on the north side of Black Bear Creek as had been worked since 1926. In the 1972 program 410 soil samples were collected over 3 grids. Strongly anomalous values (up to 7,500 ppm Pb and 66 ppm Ag) occurred over an extension of the main zone where the most prominent vein was traceable for 600 feet. Further soil sampling and geological mapping were recommended, to be followed up by hand and mechanical trenching.

#### **6.2.4 Work Done in 1976**

The relevant reports are Assessment Report 6048 by R. Buckley and Exploration in BC, 1977, pg. E179-180.

Work was done on the old showings in the adit area on the Like claims by DeKalb Mining Corp. Some trenching was done and samples collected from these. Five diamond drill holes (355 m) were done. The holes did not encounter significant veins. Further diamond drilling was recommended to test the known veins.

#### **6.2.5 Work Done in 1980**

The relevant report is Assessment Report 8291 by J.G. Payne.

Trenching by hand and backhoe and geological mapping were done on the Like claims by Anglo Canadian Mining Corp. in the area of the old showings and adits.

It was concluded that chip samples taken across the mineralized veins would not be representative due to the erratic occurrence of high grade pockets of argentiferous galena. Thus average values of veins are not a significant factor, whereas the presence of veins with some galena are significant. It was determined that the mineralized quartz veins are controlled along northwest trending zones and that exploration should be along these zones from the known showings.

#### **6.2.6 Work Done in 1981**

The relevant report is Assessment Reports 8318 by D.G. Mark.

A seismic refraction survey was done for Mr. G. Smith on a placer lease at the mouth of Spanish Creek at Cariboo River. The purpose was to discover buried river channels which could contain concentrations of placer gold. Several possible channels in bedrock were outlined.

#### **6.2.7 Work Done in 1981**

The relevant report is Assessment Report 9916 by J.W. MacLeod.

Prospecting was done for Mr. W. Greyson on the NOV 1,2,3 claims in the vicinity of 2 old adits and a dam associated with placer operations, on the west side of Spanish Creek opposite the mouth of Black Bear Creek. The exploration was for a porphyry gold type deposit. A number of quartz veins were sampled; 9 rock samples were collected. A recommendation was made for a soil sampling survey to be done.

#### **6.2.8 Work Done in 1981**

The relevant report is Assessment Report 10251 by T.A. Jones.

Canadian Nickel Company Ltd. did prospecting and reconnaissance stream sampling on the BB claim group along Spanish and Black Bear Creeks. The exploration was for gold. Ten rock, 23 stream and 7 heavy mineral stream samples were collected. Two small streams draining the north side of Black Bear Creek in the vicinity of the Providence adit had 100 ppb and 200 ppb Au. These were recommended for follow-up.

Stronger Au anomalies on Spanish and Black Bear Creeks were got from areas of historic placer workings and no recommendation was made regarding these.

### **6.2.9 Work Done in 1982**

The relevant report is Assessment Report 10812 by J.L. Deleen.

A single diamond drill hole (71 m) was done by W. Grayson on the NOV 1,2,3 claims on the west bank of Spanish Creek near where it is joined by its tributary, Black Bear Creek. The purpose was to test the value of several quartz veins above a nearby old adit. The core contained small quartz veins, up to 20 cm. Core samples were anomalous in precious and base metals but were not considered economic. It was suggested further soil sampling would be useful but no specific work was recommended.

### **6.2.10 Work Done in 1983**

The relevant report is Assessment Report 11773 by J.L. Deleen.

Apex Energy Corp. did soil sampling on the NOV 1, 2 & 3 claims. The exploration interest was due to small quartz veins in outcrops and a long history of small placer Au workings on Spanish and Black Bear Creeks. The soil sampling was concentrated on the west bank of Spanish Creek opposite from the confluence of Black Bear Creek from the east. 1,610 soils were collected. Six areas, variably anomalous in Au, Ag, Cu or As were identified. A percussion drilling program was recommended on 4 of these.

### **6.2.11 Work Done in 1983**

The relevant report is Assessment Report 12566 by B. Woodsworth.

Prospecting traverses were done over the Big 2 and 3 claims by Clearbrook Mining Ltd. To assess the general geology and the prospects for quartz vein-related Au mineralization. These claims covered the upper part of Black Bear Creek east of the Providence area. Four rock samples were collected. A program of prospecting, mapping and soil sampling was recommended, to be possibly followed up by 600 m of percussion drilling in 10 holes.

### **6.2.12 Work Done in 1984**

The relevant report is Assessment Report 13285 by G.N. Cooper.

Homestake Mineral Development Company did geochemical sampling and geological mapping on the Trump claim group. Work was concentrated on the west flank of China Mountain between Black Bear Creek and Collins Creek, northwest of the Providence area. 163 soil, 12 stream silt and 41 rock samples were collected. The purpose was to determine the prospects for galena and silver-bearing quartz veins. Four quartz veins, some described as large, containing galena were discovered.

The highest geochem results from selected grab samples were 24,953 ppm Pb and 458.4 ppm Ag. The highest results in the soils were 521 ppm Pb and 4.5 ppm Ag; these were adjacent to galena-bearing quartz veins. The highest Au in soil was 115 ppb but this could not be reproduced in a later sample from the site. Further work to determine the economic significance of the galena-bearing quartz veins was suggested but a work program was not specified.

### **6.2.13 Work Done in 1984**

The relevant report is Assessment Report 13306 by E.R. Rockel.

Apex Energy Corp. did geophysical work at scattered locations on the NOV claim group. The work was concentrated on the west bank of Spanish Creek. 2.75 line km of IP were done, as well as 5.25 km of VLF-EM and 3.75 km of magnetics. IP, EM and magnetic anomalies were mainly attributed to various possible causes such as graphite, lithologic variations, depth of overburden and sulphide mineralization.

The limited survey did not allow specific interpretations but drilling was suggested to test locations of coincident geophysical and previous geochemical anomalies. Mechanical trenching was recommended at several locations. Additional geophysical work was suggested to follow up any encouraging sub-surface exploration.

#### **6.2.14 Work Done in 1984-1985**

The relevant report is Assessment Report 13986 by G.A. Medford.

Ranald Resources Ltd. did soil sampling and a ground magnetic survey over approximately 24 line km on the LT1 claim on the north side of China Mountain approximately 3 km northeast of the Providence adit on Black Bear Creek. Approximately 650 soil samples were collected. A strong magnetic anomaly trending 600 m north-northeasterly and open to the south, coincided with a gossanous area. Three other magnetic anomalies coincided with Pb, Zn and Ag soil anomalies. A three-phase work program was recommended. It included staking additional ground to the south, mapping, geophysics, rock and soil sampling, trenching and drilling.

#### **6.2.15 Work Done in 1987**

The relevant report is Assessment Report 17103 by S.A.S. Croft.

Malcom Resources Ltd. did geochemical and geophysical work on the east part NOV claim group. Work was concentrated on the east side of Spanish Creek and north and east sides of Black Bear Creek, and at 'Spanish Canyon' in Spanish Creek, just west of the mouth of Black Bear Creek.

The VLF-EM survey did not detect any conductors that coincided with anomalous geochemistry. Several weak conductor anomalies were thought to probably be related to lithologic variations. The soil sampling survey included 574 soil samples collected. Thirteen soil lines were done between Black Bear Creek to the west and the low road to the east used in 2008 to access the Providence adit area.

Four anomalies were identified including Au pathfinder elements, Ag, Pb and Zn which supported a southeast extension of an auriferous quartz vein structure from exposures in Spanish Canyon. Grab rock samples of quartz veins from trenches at Spanish Canyon had up to 0.818 oz/T Au, 4.43 oz/T Ag and 2.8% Pb; these values were translated from ICP analysis results. Economic gold values in quartz veins were strongly associated with argentiferous galena and pyrite in calc-silicate selvages.

The geological setting of the NOV claim group was considered to be similar to the Frasergold deposit 65 km to the southeast. It was suggested that exploration should be continued but no specific recommendations were made.

#### **6.2.16 Work Done in 1988**

The relevant report is Assessment Report 17751 by M. Matherly.

Prospecting was done by Mr. Matherly on the B.B. Claim in the area of the headwaters of Black Bear Creek. 47 grab rock samples were collected. A sample of quartz with galena had 2,240 ppm Pb, 152.8 ppm Ag and 50 ppb Au.

#### **6.2.17 Work Done in 1989**

The relevant report is Assessment Report 20062 by D.A. Thompson.

Work on the Otto claims by Priority Ventures Ltd. included diamond drilling of 6 holes (294 m). The property covered most of the area between Black Bear Creek and Collins Creek to the north. The drilling tested a quartz vein at least 7.6 m wide in a surface exposure. Grab samples from the vein had up to 66.5% Pb, 73.79 oz/T Ag and 0.023 oz/T Au. Soil samples taken the previous year over the vein had values up to 4,000 ppm Pb and 14.4 ppm Ag in an area described as a major Ag-Pb anomaly. The vein had a strike of 157° and could be followed for 254 m. The drill holes intersected quartz-carbonate veins in up to 12 feet widths and had frequent and extensive intersections of quartz-carbonate flooding in up to 40-foot widths. Zones with galena returned significant Ag and Pb values but no significant Au or Zn. Trenching, VLFEM and prospecting were recommended to outline the extensions of quartz veins and to determine drill hole targets.

#### **6.2.18 Work Done in 1996**

The relevant report is Assessment Report 24989 by C.A.R. Lammle.

The assessment report describes work done on the Barker Minerals' 'Peripheral' group of claims. The Black Bear property comprised a portion of the 'Peripheral' group. In 1996 the 'Peripheral' group of claims covered an approximately 30 km x 40 km area on the east side of Cariboo Lake.

The 'Peripheral' group, and later expansions of it would by 2009 also include Barker Minerals' Frank Creek massive sulphide discovery and other prospects named Ace, Simlock, Kangaroo, Cariboo, Black Stuart, Big Gulp, SCR, Sellers Creek, Unlikely, Peacock (Rollie Creek), Tasse, Upper Grain, Maud, MAG and Gerimi. Only the work done at Black Bear is discussed here.

Cursory mapping was done near the Providence adit and upper parts of Black Bear Creek. A VLF-EM and magnetic survey was done along an approximately 9.0 km long traverse along a road in the upper part of Black Bear Creek and eastward. Profiles of the data showed anomalies but no detailed interpretation was attempted. It was recommended that anomalous areas be re-visited and checked.

#### **6.2.19 Work Done in 1997**

The relevant report is Assessment Report 25437 by J.G. Payne.

The assessment report describes work done on the Barker Minerals' 'Peripheral' group of claims. The Black Bear property comprised a portion of the 'Peripheral' group. Only the work done at Black Bear is discussed here.

Several stream sediment samples were collected in the vicinity of the Providence adit and the upper parts of Black Bear Creek. These were weakly or moderately anomalous in Au, Ag, Zn, Mo, As and Se. Sample No. R#62 had 236 ppb Au in a small stream below the Providence adit. The stream anomalies were described as a base and precious metal exploration target but no specific recommendation was made regarding these.

### **6.2.20 Work Done in 1998**

The relevant report is Assessment Report 25904 by J.G. Payne.

The assessment report describes work done on the Barker Minerals' 'Peripheral' group of claims. The Black Bear property comprised a portion of the 'Peripheral' group. Only the work done at Black Bear is discussed here.

Reconnaissance rock sampling was done in the areas of the Providence adit and Trump showings to the NW. Grab samples of galena in quartz veins had some high values:

Sample No.	Pb %	Ag oz/Ton	Au oz/Ton	Bi %	Location
11-07-98-59	52.84	142.56	0.081	1.24	Providence adit
18-07-98-66	53.72	56.68	0.015	0.55	Trump showing
19-07-98-69	37.6	36.50	0.023	0.35	Trump showing

Several stream sediment samples were collected in the vicinity of the Providence adit. These were weakly anomalous in Au, Ag, and base metals. Detailed mapping and follow-up geochemical sampling and geophysical surveys were recommended.

### **6.2.21 Work Done in 1999**

The relevant report is Assessment Report 26003 by J.G. Payne.

Approximately 10.0 line km of cut grid was established on the Black Bear property approximately 4.0 km SE of the Providence adit, on which prospecting and geological mapping were recommended to be done.

### **6.2.22 Work Done in 2000**

The relevant report is Assessment Report 26504 by J.G. Payne.

A VLF-EM geophysical survey was done over the Black Bear Grid, cut the previous year. Profiles of the data did not suggest any obvious anomalies; no interpretation or recommendations were made.

### **6.2.23 Work Done in 2010**

On the Black Bear Property 2000 metres of trenching was completed in 12 trenches of which 700 metres was reclaimed.

Most trenches successfully exposed variable amounts of fresh high grade silver galena mineralization which was sampled along strike of the Providence and Hunt veins, at various locations on the newly discovered veins and at highly altered zones adjacent to the veins. Grab samples reported up to 116 ounces per ton silver and 59% lead at the Providence target and a chip sample from the Hunt vein reported 34 oz/t silver and 37.1% lead over a 1 metre width.

The trenching was also successful in identifying important intrusive rocks with elevated concentrations of silver, bismuth and lead spatially located near the highest grade mineralization identified to date. This indicates that the mineralization may increase in grade

as it gets closer to the intrusion. The high oz/t silver to the % lead ratio in the intrusive itself also supports this interpretation. It is apparent that on the Black Bear property the ratio of precious metals to the % of lead will be a very useful tool in determining the proximity of mineralization to its intrusive source.

The presence of elevated precious and base metals in the highly altered host rocks with the discovery of important similarly mineralized intrusive rocks indicates the property has potential for hosting lower grade bulk tonnage precious metal deposits and high grade bonanza style veins which are being assessed for their bulk sample potential.

### **6.3 Simlock Project**

In 2003 D.F. Symonds wrote a NI 43-101 compliant report on the Simlock Creek Property (Symonds, 2003), where he wrote: [an] anomalous gold trend [on Simlock Creek] is about 1.5 kilometres in length and is open to the southeast. There is room to potentially increase the length of the trend up to an additional kilometre towards the western boundary of the Simlock Property. The anomalous gold trend is supported by the presence of gold, silver and lead mineralization in place at six locations along the trend.

Harvey Creek, on which Simlock Creek is a tributary, had rich gold placers which were worked between the 19<sup>th</sup> century and 1940.

Heavy stream sediment sampling in 1986 determined Harvey and Simlock Creeks and several tributaries were highly anomalous in gold, with values ranging from 440 ppb to 8,000 ppb Au. Harvey Creek and its tributaries below the confluence with Simlock Creek were also highly anomalous in gold, with values ranging from 580 ppb to +10,000 ppb Au. Follow-up work between 1988 and 2003 concentrated in specific grid areas. Figure No. 4 shows the anomalous streams and their Au values from the heavy mineral sampling and the 1988-2003 exploration grid areas.

The above 1.5 km anomalous gold trend represents the distance between two gold-bearing outcrops. For the first outcrop Symonds (2003) states:

*[in 1998] a 4.1 metre wide silicified zone averaging 1.18 oz/ton gold, 1.67 oz/ton silver and 0.81% lead in phyllites was sampled as follows;*

- *Sample # 98126: continuous 160 cm chip channel of quartz material.  
Au – 0.165 oz/ton, Ag – 1.8 ppm, Pb – 861 ppm*
- *Sample # 98126B: continuous 160 cm chip channel of quartz material.  
Au – 2.286 oz/ton, Ag – 125.2 ppm, Pb – 7,335 ppm*
- *Sample # 98126C: continuous 90 cm chip channel of quartz material.  
Au – 1.015 oz/ton, Ag – 65.9 ppm, Pb – 22,395 ppm*

At the second outcrop, in 2003, a 50 cm chip sample from a sulphide zone at a 'borrow pit had 8,757.9 ppb Au; it was later re-analyzed by assay as 10.06 g/t Au.

Recent government airborne geophysical surveys have defined anomalous EM and magnetic NW-SE trends; some appear co-incident with the above-mentioned 1.5 km anomalous gold trend.

The highly encouraging results from historical stream, soil and rock sampling surveys and favourable geology delimited by recent government airborne geophysical surveys require a return to Simlock and Harvey Creeks. It is considered that the 1988 – 2003 follow-up work was too limited in area and the work done was insufficiently intensive, with large un-sampled gaps between the sampling grids.

### **6.3.1 2011 Simlock Work Performed**

In 2011 Barker Minerals followed up the quad access re-established in 2009 by upgrading the road in order to provide vehicle access to the property while also conducting cursory rock sampling where surface outcrop permitted. The Company was awaiting permit approval at the time of work and thus all work was completed with hand brushing tools such as chain saws, axes and brush saws. 2.3 km of new quad access was established. Twenty three rock samples were collected during cursory rock sampling and geological mapping of outcrop where surface exposure permitted.

## **6.4 SIMLOCK GEOPHYSICAL COMPILATION**

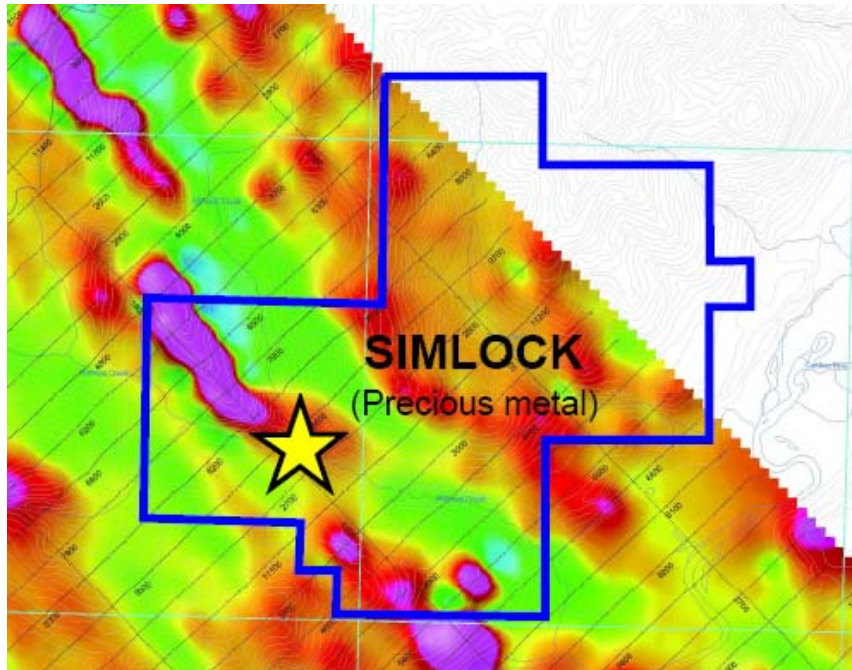
### ***Likely Survey***

The Geological Survey of Canada conducted an airborne geophysical survey (Likely survey) in 2008-2009 covering a 30 km x 150 km area oriented NW-SE between the latitudes of Quesnel and Williams Lake. A portion of this survey covered the area of the Simlock property. The work resulted in a series of 1:50,000 scale magnetic and gamma-ray spectrometric maps, published as GSC Open Files 6157 to 6166.

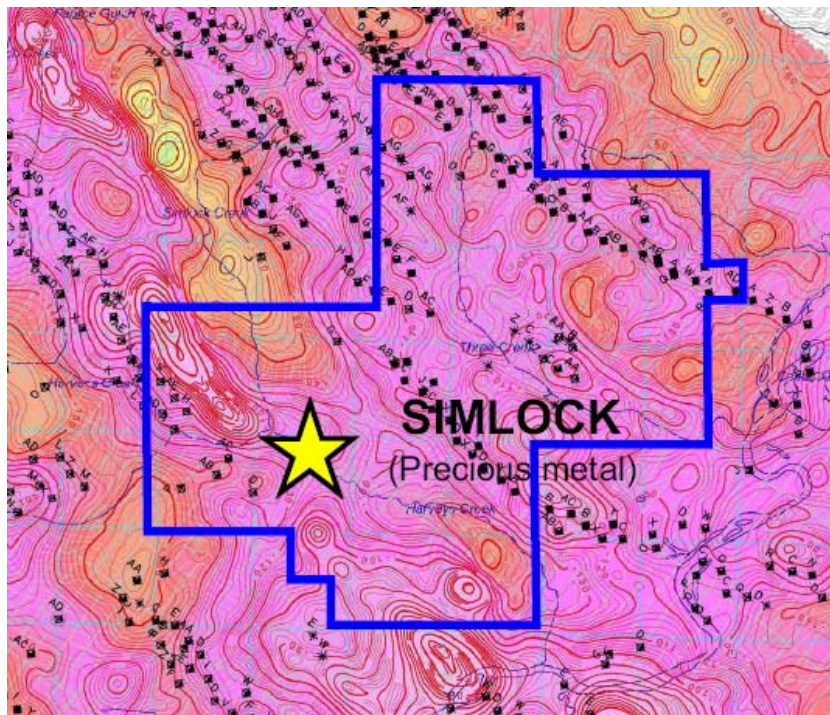
The Geological Survey of Canada conducted a more detailed airborne geophysical survey over the central portion of the Likely survey. This area covered a 30 km x 50 km area mainly over the eastern half of Barker Minerals' claims. The flight lines were 200 m apart and oriented NE-SW as before. This work resulted in a series of 1:50,000 scale magnetic and conductivity maps, published as GSC Open Files 6232 to 6252.

Barker's compilation of the extensive airborne surveys resulted included placing Barker's Simlock property claims onto a background showing the first magnetic derivative from portions of the GSC maps from Open File 6157 (see Figure No. 4, below) and the combined magnetic and EM data on GSC maps from Open File 6246 (see Figure No. 5, below).





**Figure No. 4** - Simlock Project superimposed on a portion of GSC Open File Map 6157 showing magnetic anomalies' first derivative. Flight lines are oriented NE-SW and are 400 m apart.



**Figure No. 5** - Simlock Project superimposed on a portion of GSC Open File Map 6246 showing EM spot anomalies on contoured magnetics. Flight lines are oriented NE-SW and are 200 m apart.

## 7.0 GEOLOGY

### 7.1 Regional Geology

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.

#### 7.1.1 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 volcanoclastic 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 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.

### **7.1.2 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 likely 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.

### **7.1.3 Barkerville Terrane**

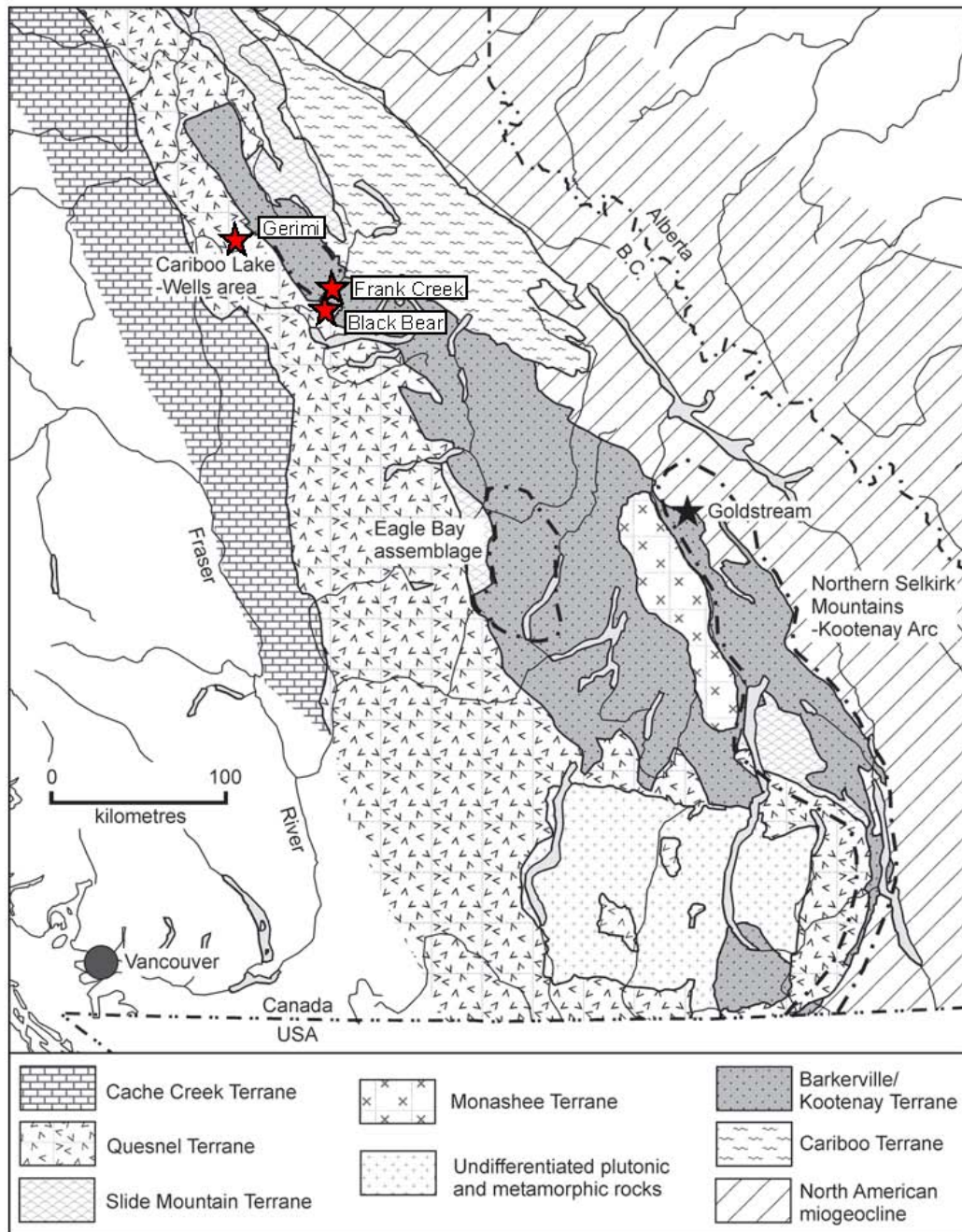
The Barkerville Terrane is made up of the Snowshoe Group and Quesnel Lake gneiss. The Snowshoe rocks are Upper Proterozoic to Upper Devonian metasediments, considered correlative in age with Eagle Bay rocks of the Kootenay Terrane to the south. The Snowshoe rocks are dominated by varieties of grit, quartzite, pelite, limestone and volcanoclastic 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 mines and the Cariboo Hudson deposit, approximately 40 km and 20 km northwest of the project area, respectively.

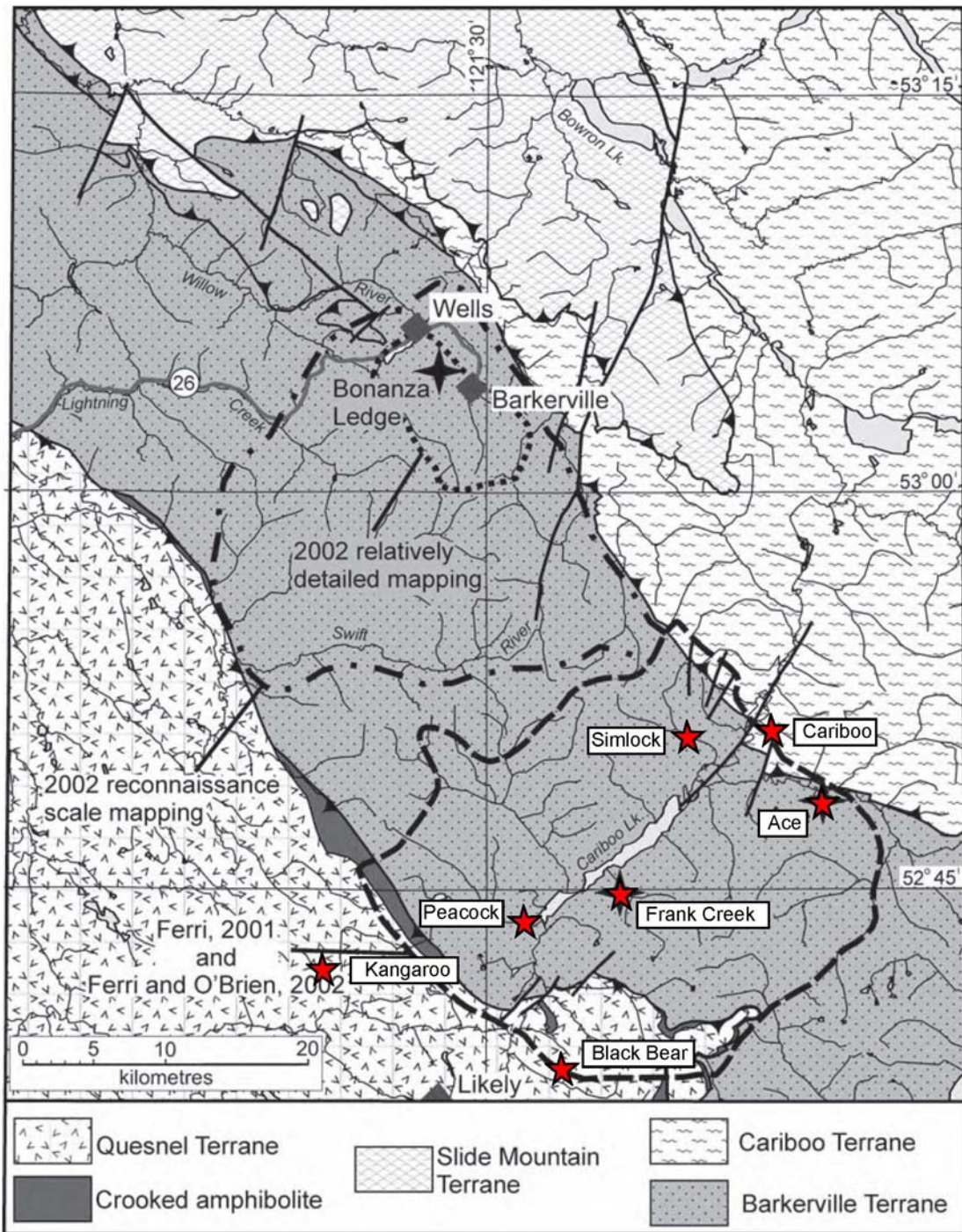
### **7.1.4 Cariboo Terrane**

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 Cassiar Platform and Selwyn Basin of Yukon and northern British Columbia.

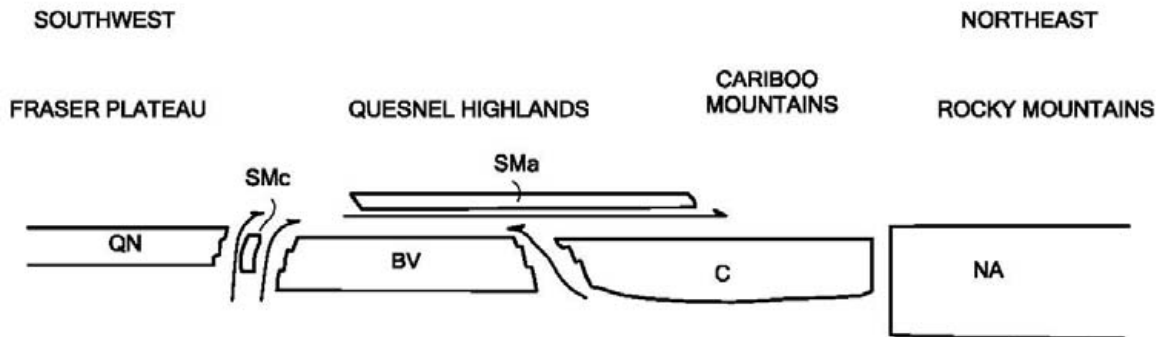




**Figure No. 6** - Terrane Map of Southern British Columbia. Barker Minerals' properties are indicated by red stars.



**Figure No. 7** - Terrane Map of Cariboo Lake – Wells Area. Areas mapped by the BCGS in 2000 - 2002 are shown. Barker Minerals' properties are indicated by red stars.



**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).

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.

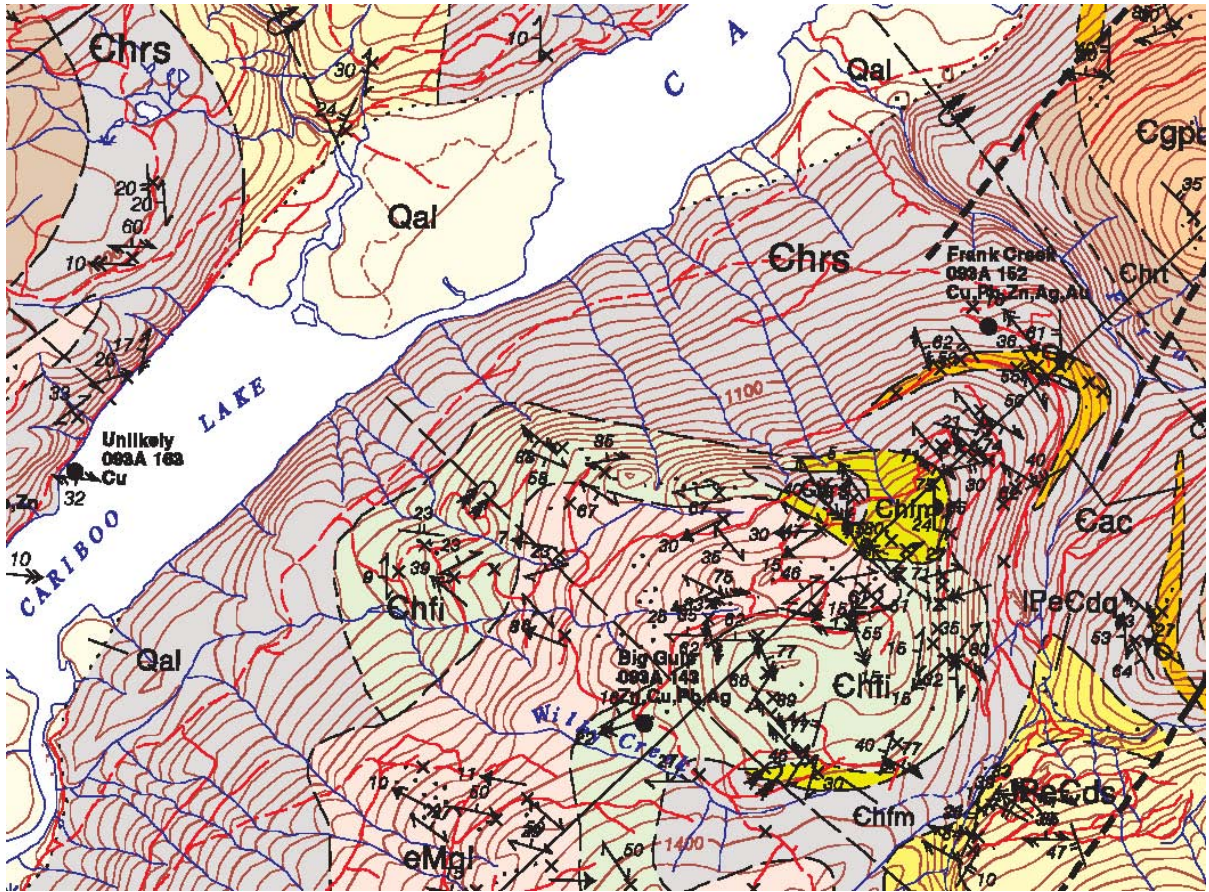
### **7.1.5 Glaciation and glacial deposits**

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



**Figure No. 9** - Geology of Frank Creek area, after Ferri & O'Brien, 2003. Chrs = Harveys Ridge phyllite and sedimentary rocks, Cac = Agnes sedimentary rocks, Chfm and Chfi = Frank Creek metavolcanics, eMql = Quesnel Lake granite and granodiorite. The Minfile showings Frank Creek, Big Gulp and Unlikely are all owned by Barker Minerals Ltd. The black spot indicating the Frank Creek Minfile is at the location of the Discovery Trench. Cariboo Lake is approximately 1 km across in a NW-SE direction. Overturned anticlines and synclines are indicated. Overturned lava pillows with tops toward the east are indicated in unit Chfm.





## **8.0 EXPLORATION PROGRAMS FOR 2011**

### **8.1 *Economic Targets***

The economic target at Frank Creek is volcanogenic massive sulphides. Black Bear and Simlock properties are being explored for a variety of precious metal deposit types including high grade vein related silver and gold deposits.

### **8.2 *Sampling Method and Approach***

The Drill core was split with a table mounted diamond saw in the cutting trailer at camp. Half the core was returned to the core box while the other half was placed in a plastic bag, tied and stored prior to shipment to the analytical lab. Core recovery factors during drilling which could materially affect the accuracy of the results are described as core recovery percentages in the drill logs. Core recoveries were generally good, frequently close to 100%, though locally poor due to gouge or broken rock. Core and rocks were shipped in plastic rice bags to the analytical lab. Samples were stored in the garage or cabin at the camp prior to shipment. After sampling the core boxes were neatly stacked in piles adjacent to the core cutting trailer.

### **8.3 *Laboratory Methods***

#### **8.3.1 *Sample Preparation and Analysis***

All samples were sent to Agat Laboratories Ltd. of Burnaby B.C. for base and precious metal analysis.

All lab results are in Appendix D - Analytical Data (Pending)

#### **8.3.2 *Verification of Accuracy***

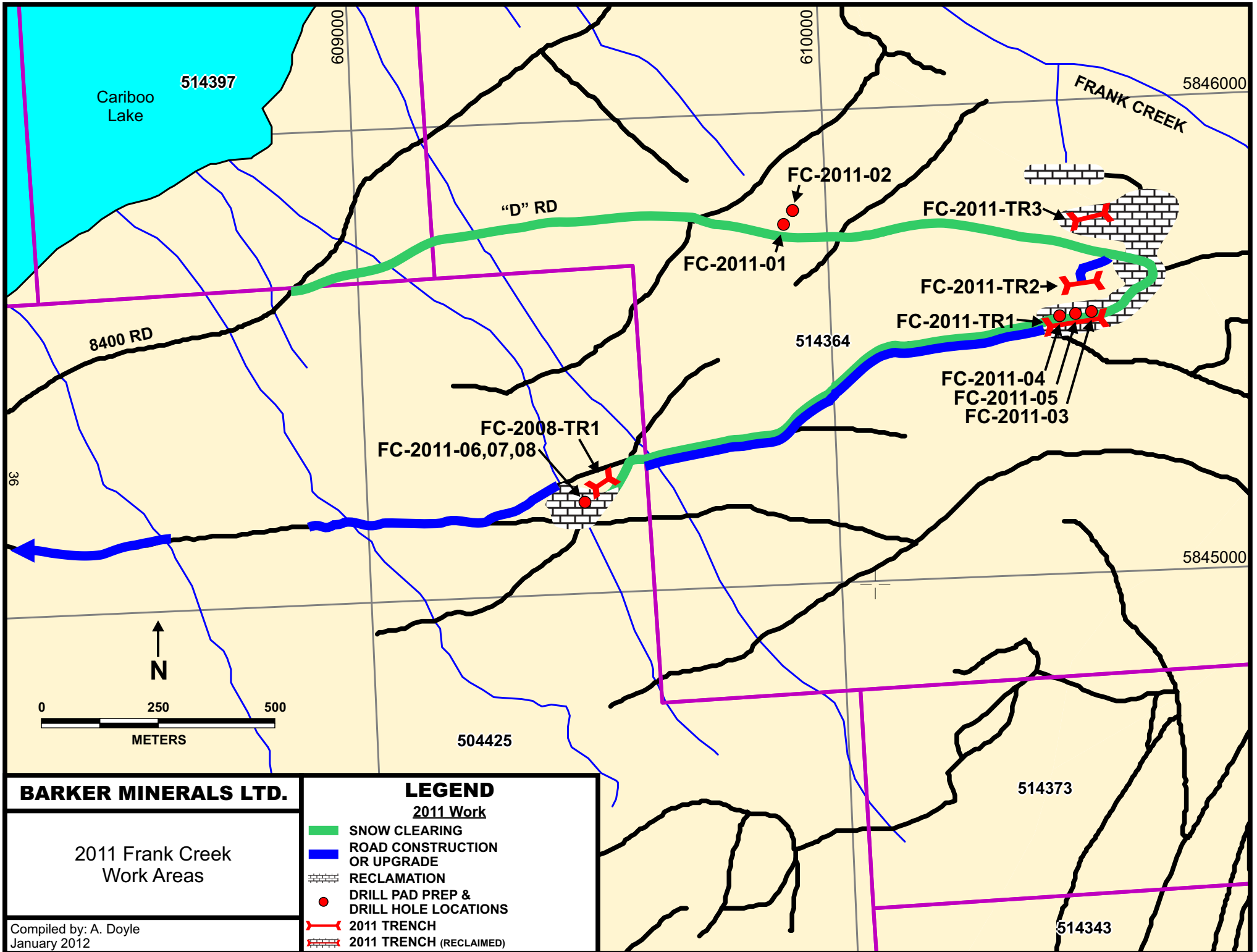
Check samples from WCM Minerals of Burnaby, BC with certified known metals content were sent by Barker Minerals at intervals to the lab for analysis. The Labs, as well, performed their own accuracy checks with certified samples, blanks and duplicate analyses of Barker's samples.

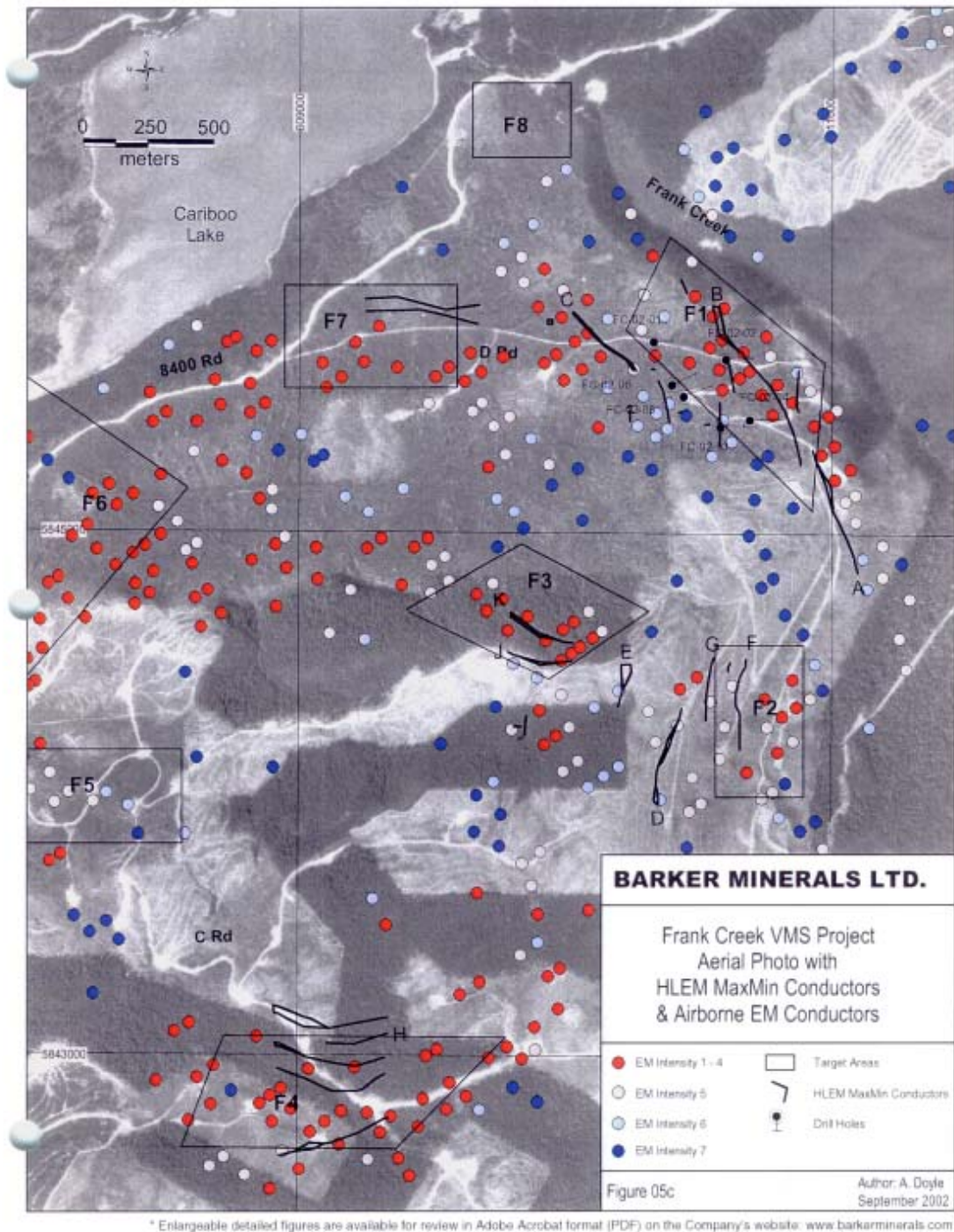
## **8.4 FRANK CREEK PROPERTY (See Figure 11 - 2011 Work Performed)**

### **8.4.1 *2011 Diamond Drilling***

The eight 2011 drill holes totaling 422.02 metres were a follow up to high potential targets where previous exploration has exposed a broad zone of VMS style footwall alteration associated with base and precious metal mineralization.

Significant mineralization, up to 20% stringers, disseminated and semi-massive to massive sulphides, was intercepted in 7 of the 8 drill holes within the first 20 metres in the volcanoclastic rock. The mineralized intercepts range from .5 metres to 8.7 metres which are within broader altered zones which are consistent with a VMS deposit formation process. Mineralization consists of pyrite, with variable amounts of chalcopyrite, sphalerite and galena.

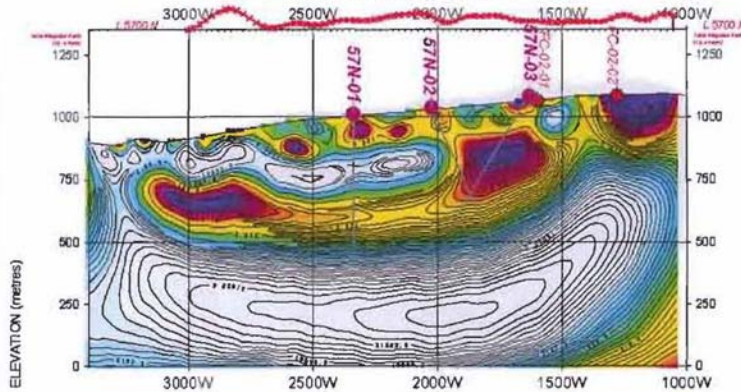




**Figure No. 12** - Frank Creek Property Geophysical Conductors  
(This illustration is originally from Assessment Report 27125, Appendix 5, Figure 05c).

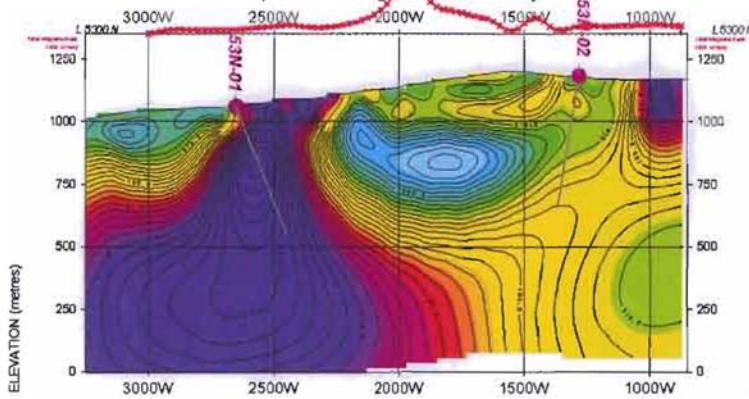


**LINE 5700N - UNCONSTRAINED UBC SMOOTH 2D DC RESISTIVITY  
(with Total Magnetic Field Profile)**



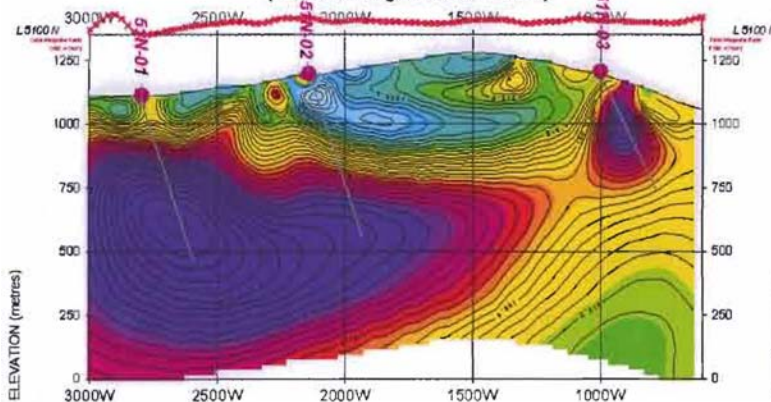
**Figure No. 13** Drill Target. Line 5700N resistivity anomaly targeted by DDH FC09-38. The drill hole collar is at 1250W. DDH's proposed by the geophysical contractor (Quantec Geoscience, 2004) are indicated by light lines.

**LINE 5300N - UNCONSTRAINED UBC SMOOTH 2D DC RESISTIVITY  
(with Total Magnetic Field Profile)**



**Figure No. 14** Drill Target. Line 5300N resistivity anomaly targeted by DDH FC09-39. The drill hole collar is at 2650W. DDH's proposed by the geophysical contractor (Quantec Geoscience, 2004) are indicated by light lines.

**LINE 5100N - UNCONSTRAINED UBC SMOOTH 2D DC RESISTIVITY  
(with Total Magnetic Field Profile)**



**Figure No. 15** Drill Target. Line 5100N resistivity anomaly target for planned DDH at 2800W. DDH's proposed by the geophysical contractor (Quantec Geoscience, 2004) are indicated by light lines.

**Table 1 - 2011 Drill Holes and Mineralized Intercepts**

Hole #	Easting	Northing	Azimuth	Dip	Depth (m)	Intersect with up to 20% semi massive to massive sulphide (m)
FC-11-01	0609781	5845788	052	-60	44.5	nil
FC-11-02	0609784	5845814	048	-70	23.5	15.95 - 16.32
FC-11-03	0610492	5845537	090	-70	40.23	3.6 - 4.1
FC-11-04	0610471	5845538	090	-65	44.84	27 - 27.6
FC-11-05	0610488	5845539	098	-60	87.5	6.5 – 7 and 29.9-30.6
FC-11-06	0609729	5845226	060	-70	47.85	1.59 – 6.85 and 34.8 – 37.5
FC-11-07	0609729	5845226	-	-90	66.1	2.2 – 6.71 and 46.4 – 47.0
FC-11-08	0609724	5845227	326	-80	87.5	1.42 – 10.1

**DDH FC11-01, FC11-02**

The purpose of these 2 holes was to test a geophysical anomaly near surface mineralization exposed in earlier programs. FC11-01 was intended to twin the upper 50 metres of DDH FC09 which intersected .5 metres of economic grade of massive sulphides. FC1101 failed to repeat the previous .5 metre intercept. This area is geologically disturbed and will be followed up in the future with a fence of shallow holes at various orientations in order to better understand the local geology to assist in planning future drill plans.

FC11-02 had a narrow .5 metre intercept of alteration and with iron sulphides and minor chalcopyrite.

**DDH FC11-03, FC11-04, FC11-05**

The purpose of these holes was to test newly exposed surface mineralization by trenching on strike of the original massive sulphide discovery area. The drilling successfully intercepted variable amounts of sulphides in all 3 holes and will be followed up in a future drill programs to define the lateral and strike extent, and grade of the mineralized trend.

**DDH FC11-06, FC11-07, FC11-08**

These 3 drill holes were part of a recommended follow up program to determine the extent of significant mineralization identified in previous exploration and drill programs. The holes targeted the surface expression of part of the zone. All 3 holes intersected multiple zones which correlates well with the Titan-24 survey.

**8.4.2 2011 Drilling Summary**

The eight drill holes totaling 422.02 metres were a follow up to high potential targets where previous exploration has exposed a broad zone of VMS style footwall alteration associated with base and precious metal mineralization.

Significant mineralization, up to 20% stringers, disseminated and semi-massive to massive sulphides, was intercepted in 7 of the 8 drill holes within the first 20 metres in the volcanoclastic rock. The mineralized intercepts range from .5 metres to 8.7 metres which are within broader altered zones which are consistent with a VMS deposit formation process. Mineralization consists of pyrite, with variable amounts of chalcopyrite, sphalerite and galena.

There is sericite and chlorite alteration in both the volcanoclastic and argillite with localized blue quartz eyes and fracture controlled fuschite (chrome mica) along selvages. The argillite is dark grey-black, slightly graphitic in places, moderately to heavily fractured and locally crumbly with 2-3% disseminated pyrite cubes ± chalcopyrite.

#### **8.4.3 Trenching, Reclamation, Road Upgrading**

Trench FC08-TR1 on line 53N and 22W was increased to approximately 200 m in length. The glacial till in the immediate area is around 30 feet deep (10 m) and is very compact making it difficult to clean out to bedrock safely with a 320 Cat excavator. As such, a larger 350 Cat excavator was used in 2011 which was able to reach bedrock and clear out the overburden in this highly mineralized trench in preparation for follow-up mapping and drilling. Assay results can be viewed below in Table 3 from mineralization sampled in the main trench which was previously reported.

Trench FC11-TR1 was 100 metres in length and was located near line 58N and 25E. Significant copper and zinc massive sulphide mineralization was exposed in multiple lenses. The showing was part of the 2011 drill program and is described elsewhere in the drilling section of the report.

Trench FC11-TR02 was located below line 58N and excavated over a length of 50 metres. 3 rock samples were collected and sent for analysis.

Trench FC11-TR03 was a 35 metre trench below line 57N and 27E. This trench was not able to reach bedrock with the 320 Cat backhoe so the larger 350 Cat backhoe was tried and failed to get to bedrock as well. This target was reclaimed in 2011 and will have to be tested by drilling in a future program.

Reclamation activities consisted of access roads with old trenches and a series of deep test holes from previous exploration programs were located mostly around the eastern ends of line 57N and line 59N.

The 2011 trenches all exposed massive sulphide (sphalerite and pyrite) lenses but these were not mapped due to sloughing of the trenches because of deeper overburden. The rock samples were representative grabs. Cleaning of the trenches and detailed sampling and mapping will be done early in the next field season once the larger 350 Cat excavator is used to clear the overburden to ensure safe work conditions. Five test pits and two trenches, from the 2007-2009 work programs, totalling approximately 400 m were filled.

The roads being created or upgraded to future planned drill holes on Line 51N and 53N are partly new and partly old logging trails and roads. The old logging roads were cleared and modified by a Cat 320 excavator and smoothed over by a JD 850 dozer in order to have access for the drill and water truck operations.

Snow clearing and road maintenance was necessary in preparation of trenching and drilling. This (Winter Road) was over approximately 4.0 km from FC09-TR1 down to the main road. Two areas of existing road were upgraded to shorten the route to the main line 53N target area.

**Table 2 - FC08-TR1 Trench Sample Results (Re-established in 2011 with larger excavator)**

Sample #	Copper ppm	Copper %	Lead ppm	Lead %	Zinc ppm	Zinc %	Silver ppm	Gold ppb	Cu/Pb/Zn %	Patterns of Mineralization by Abundance
TR08501								147		
TR08502	2070	0.21	2820	0.28	14900	1.49	29		1.98	Zn/Pb/Cu/Ag
TR08503	5870	0.59	2470	0.25	12200	1.22	36	317	2.06	Zn/Cu/Pb/Ag/Au
TR08504	15200	1.52	830	0.08	5530	0.55	38	199	2.15	Cu/Zn/Pb/Ag/Au
TR08505	2860	0.29	527	0.05	12700	1.27			1.61	Zn/Cu/Pb
TR08506	1310	0.13	771	0.08	14400	1.44			1.65	Zn/Cu/Pb
TR08507	3420	0.34			13300	1.33			1.67	Zn/Cu
TR08508	2910	0.29	1770	0.18	21600	2.16	17	179	2.63	Zn/Cu/Pb/Ag/Au
TR08509	1450	0.14	856	0.09						Cu
TR08510			565	0.06			16	155		Au/Zn
TR08511	1540	0.15	681	0.07	14300	1.43		317	1.65	Zn/Cu/PbAu
TR08512			825	0.08	2190	0.23		508		Au/Zn
TR08513	3100	0.31	927	0.09						Cu
TR08515	3980	0.39			1860	0.19	22	265		Cu/Au/Zn
TR08516			3350	0.33						Pb
TR08517			2190	0.22	4080	0.41	11			Zn/Pb
TR08518					2100	0.21				Zn
TR08519					2160	0.22				Zn
TR08520			2760	0.28	7050	0.71	11	206		Zn/Pb/Au
TR08521	12900	1.29	1170	0.12			20		1.41	Cu/Ag/Pb
TR08522			3140	0.31			14	191		Pb/Au
TR08523	7760	0.78	2290	0.23	1520	0.15	26		1.16	Cu/Pb/Zn/Ag
TR08524			4950	0.49	10700	1.69	22		2.18	Zn/Pb/Ag
TR08526	4390	0.44	1910	0.19	1220	0.12	28			Cu/Pb/Zn/Ag
TR08527					4780	0.48				Zn
TR08528			2700	0.27	1420	0.14				
TR08529	1250	0.12	727	0.07	3630	0.36				Zn/Cu/Pb
TR08530	2140	0.21	5160	0.52	18700	1.87	27	228	2.6	Zn/Pb/Cu/Ag/Au
TR08531	1720	0.17	596	0.06	4100	0.41	10	285		Au/Zn//Cu/Pb/Ag
TR08532	16400	1.64	1340	0.13	6850	0.68	38	227	2.45	Cu/Zn/Pb/Ag/Au
TR08533	1280	0.13			1260	0.13				Cu/Zn
TR08534	3680	0.37	975	0.09	31500	3.15	16		3.63	Zn/Cu/Pb/Ag
TR08535					1600	0.16				Zn
TR08536	2950	0.29	1670	0.17	3520	0.35	13	219		Au/Zn/Cu/PbAg
TR08537	2260	0.23	15900	1.59	9200	0.92	54		2.74	Pb/Zn/Cu/Ag
TR08538	11900	1.19	9421	0.94	4650	0.46	79	187	2.59	Cu/Pb/Zn/Ag/Au

## 8.5 BLACK BEAR PROPERTY (See Figure 17 - 2011 Work Performed)

### 8.5.1 Diamond Drilling

**Table 3 - Black Bear Drill Holes**

Hole #	Dip	Azimuth	E.O.H.	GPS (east)	GPS (north)
BB-2011-01	-60	60	62 ft	606907.46 m E	5832833.73 m N
BB-2011-02	-70	60	62 ft	606907.46 m E	5832833.73 m N
BB-2011-03	-90	0	12 ft	606907.46 m E	5832833.73 m N
BB-2011-04	-80	240	57 ft	606932.23 m E	5832854.92 m N
BB-2011-05	-90	0	47 ft	606093.89 m E	5832699.89 m N

Preliminary work was done in preparation of a 1,000 metre drill program to test the high grade Providence target. Drilling access roads and drill pads were constructed which was suspended in mid-December due to winter conditions and which is to re-start in early spring. An initial 80 metres of drilling was completed with very poor recovery. The difficulty in drilling was determined to be caused by the drilling occurring over the hangingwall portion of the main vein which has had previous underground workings occur nearby.

All 5 drillholes were prematurely stopped due to a sudden loss of water down in the holes. While setting up on a new drill pad the entire drill platform dropped three feet overnight, this also supports the interpretation underground workings are the probable cause of the unstable ground conditions and the difficulty in drilling.

BB11-02 was collared in the vein itself and intercepted a 4.0 metre section of well mineralized galena and pyrite associated with the quartz vein itself, and footwall calcite.

Although recovery was very poor in the 2011 drill holes it was better in BB-11-02 (50%).

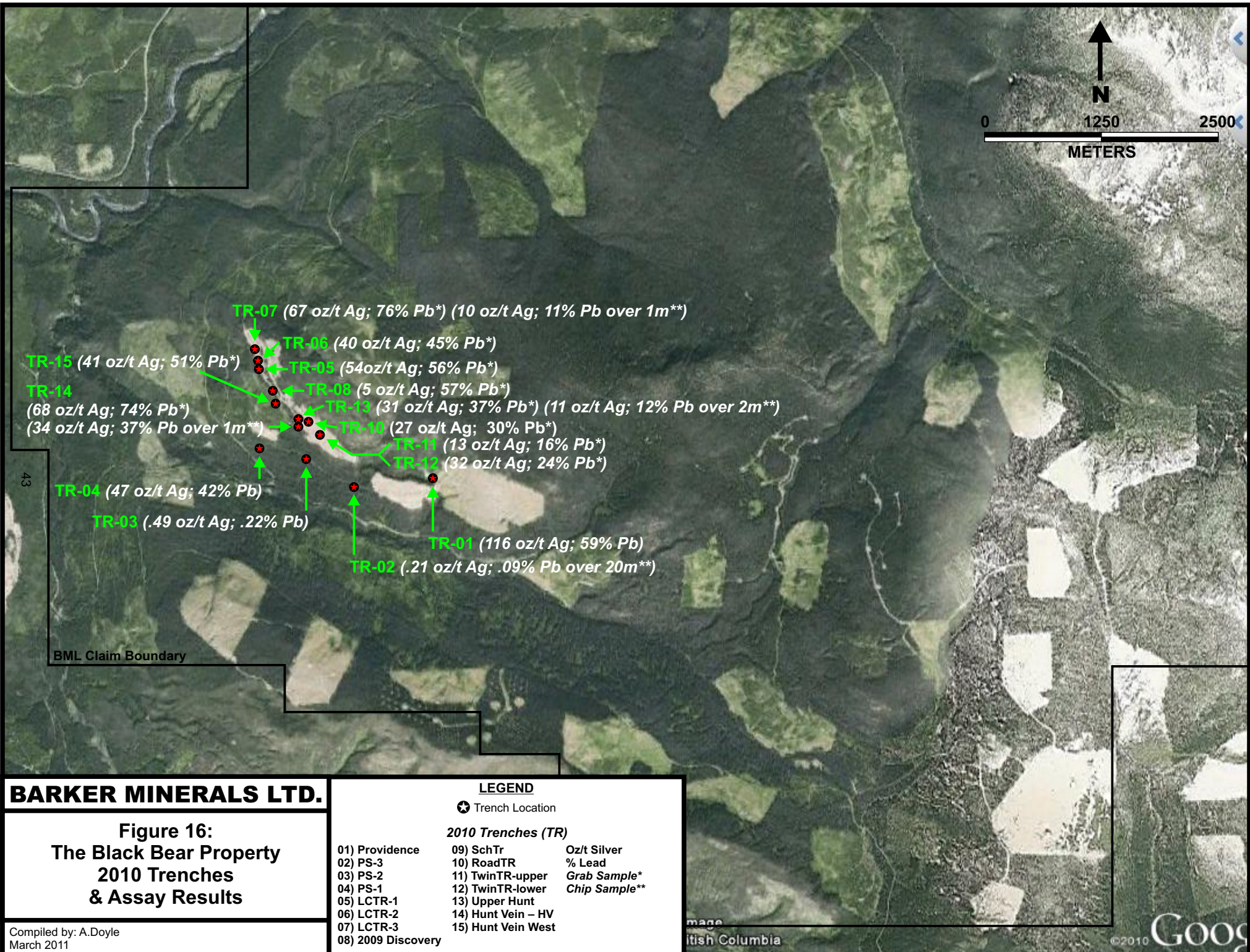
BB-11-02 - Between 1.98-5.0m is white quartz + quartz carbonate vein heavily fractured with reddish brown oxidation along fractures, vugs of partly/totally leached sulphide mineralization (galena + pyrite + chalcopryrite + fuschite ± argentite?).

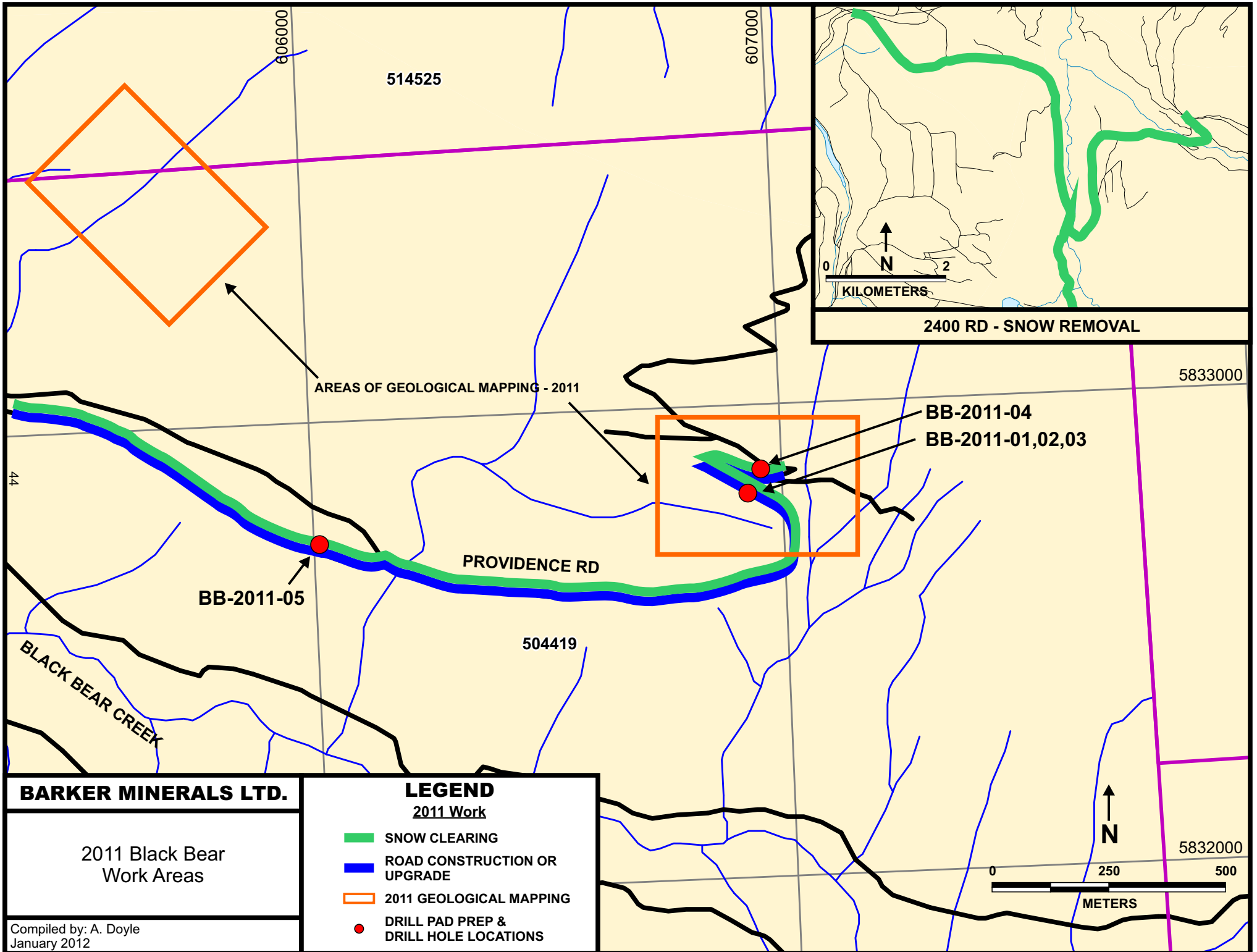
Between 5.0-18.9m (EOH) is dark grey-black Graphitic Argillite, heavily fractured, and locally talcy, bedding varies between 15-30deg to the CA (Core Axis), minor traces of reddish brown oxidation along fractures, local <0.1m wide white quartz vein with <<1% galena + pyrite ± chalcopryrite, weak chlorite and sericite alteration, locally weakly magnetic with <1% pyrrhotite.

### **8.5.2 2011 Geology Mapping Summary**

The area mapped in 2011 was in the area where in 2010 approximately 2,000 metres of trenching and stripping of overburden was completed which was successful in exposing numerous mineralized quartz veins in 10 of 12 targets tested. The veins range from centimetres up to 8 metres of exposure and are comprised of persistent pockets of galena and pyrite mineralization along both the footwall and hanging wall, with lesser amounts in the vein material itself.









Quartz vein mineralization extends laterally in some instances over a 150 metre strike length such as at the Providence and Hunt targets specifically. Both of these broad surface target areas also have multiple parallel veins associated with them which significantly enhances their bulk sample potential.

Dark grey argillite and laminated felsic rock are the host rock of the quartz and quartz iron carbonate veins on the Black Bear property. The vein mineralization branches out from the felsic centers into the argillite before pinching out. As observed in most of the trenches, the mineralized veins have a general NW/SE strike and a N/NE dip and extend over a 2km trend from TR-07 (LCTR3) in the NW to TR-01 (Providence Adit) in the SE.

Due to varying degree of oxidation and leaching of the argillite, the color varies from light grey to dark grey with rusty red iron oxidation stains. Tectonism and excavation work have intensely distorted the dip of most of the argillite leaving them with series of crenulations. Weakly laminated felsic components are more intensely oxidized, leached, gossanous and more mineralized with partly leached disseminated pyrite and galena compared with the argillite.

Quartz and quartz-iron carbonate (siderite) veins range in size from centimeters up to 8m of exposure with persistent pockets of partly leached galena, pyrite and trace argentite mineralization along the NW/SE strike. Multiple parallel veins with consistent lateral mineralization of up to 150m are common to both providence and Hunt targets. The quartz and quartz-iron carbonate veins are locally intensely oxidized and leached leaving them with rusty red stains and vugs of partly leached sulphide (pyrite + galena).

Fuschite (chrome mica) is a common mineral along vein selvages in association with galena mineralization as well as in vein host rocks as possible late alteration overprint. It has already been established that fuschite, Bi and Te are associated with gold and silver deposits in other areas of the world. Their presence in high concentration on the Black Bear project increases the potential to discover associated precious metal deposits.

The presence of elevated precious and base metals in the highly altered host rocks with the discovery of important similarly mineralized intrusive rocks indicates the property has potential for hosting lower grade bulk tonnage precious metal deposits and high grade bonanza style veins which are being assessed for their bulk sample potential.

### **8.5.3 Tellurium interference in analysis for Gold**

It has been established that a high tellurium concentration during cupellation results in gold losses. During the fusion process, tellurium is oxidized to TeO and reports to the slag phase via the following reaction (Bugbee, 1940). It is therefore evident that high concentration of Te on the Black Bear property may have been responsible for low/insignificant concentration of gold reported during historical exploration activities.

### **8.5.4 Economic Potential for Tellurium on the Black Bear Project (Unpublished Internal Report)**

Tellurium (Te) is a relatively rare element, number 52 on the periodic table, with low average crustal abundance of 0.01ppm which makes its rarity similar to a handful of other elements including gold with 1.3ppm crustal abundance (Wedepohl, 1995).

World-wide Te production comes mainly as a byproduct of copper refining/processing and according to the US Geological Survey, 200 metric tonnes of tellurium were mined in 2009

worldwide and the world can sustain 1,600 metric tonnes/year maximum. U.S. reserves of tellurium, about 3,000 metric tons, are estimated to be about 14 percent of the world's total reserves. Despite the fact that global copper production has increased over the past five years, the production of tellurium is believed to have remained essentially unchanged. That's because increased copper output has come from ores with low-tellurium content and from ores processed through leaching, which precludes the recovery of tellurium.

Geochemical analysis result for Te on the Black Bear property (Table 4) shows significant concentration of up to 700ppm Te in some of the trenches that are over 2 kilometers apart (Hunt and Providence targets) which is indicative of a potential economic deposit.

Based on the current steadily increase in demand for Te for the manufacture of solar cells, automotive thermoelectric generators and steelmaking without corresponding increase byproduct Te production from copper processing, the only way out will be to continue to identify and develop Te prospects like Black Bear property.

The price of tellurium jumped from \$10 per pound at the beginning of 2004, to \$110 per pound at the beginning of 2006, a 1,000 percent increase owing to the growing supply shortfall. Te is priced at \$430/kg between May - June 2011 and is \$345/kg in October 2011. Therefore, it cannot be overemphasized that there is every possibility over the next decade that Te will witness skyrocket values like gold, platinum, palladium and Rare Earth Elements (REE).

## **8.6 Simlock Project (See Figure 18 & 19 - 2011 Work Performed)**

### **8.6.1 Geological Mapping and Rock Sampling**

During 2011 geological mapping was conducted with most of the exposures being observed in road cuts along Harveys and Simlock Creek drainages because of poor outcrop exposure (< 5%) on the Simlock property. The dominant rock types encountered are phyllites, phyllitic quartzites and phyllitic grits with pale to medium green to grey-green and a very distinct silvery sheen on cleavage surfaces.

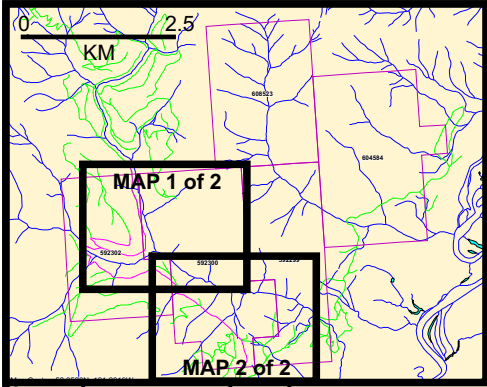
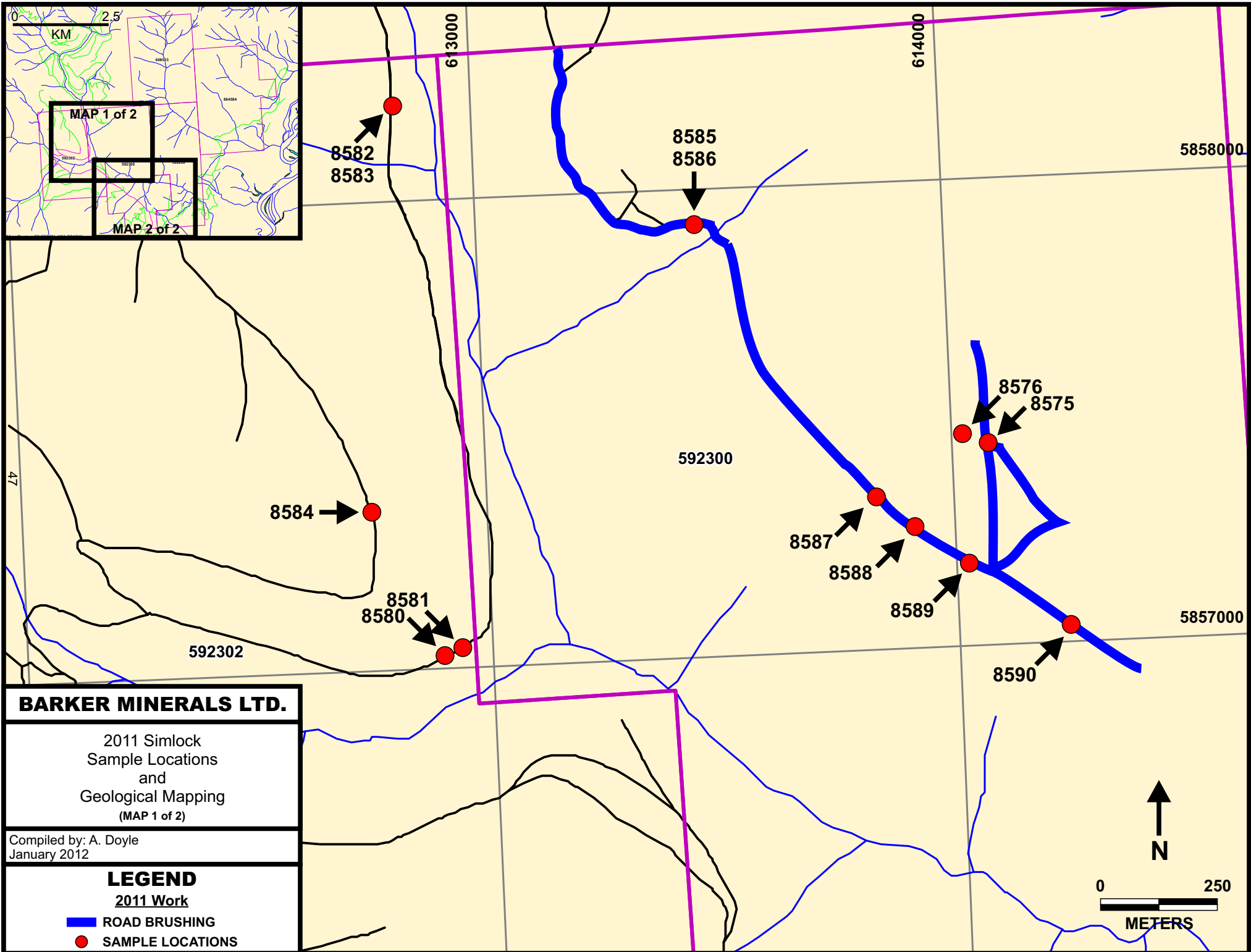
There is also a localized occurrence of brown or dark grey partly weathered limestone. The observed quartz veins have rusty red stains and vuggy structures of totally-partially leached pyrite. The associated mineralogy includes intensely oxidized pyrite, galena and fuschite and malachite staining. There is a general north-northwesterly strike and dip of approximately 340/60NW between the various rock units.

Twenty three rock samples were collected and sent for analysis, results can be viewed in Appendix D.

## **9.0 CONCLUSIONS**

### **9.1 Frank Creek Project**

The widespread occurrence of footwall-type alteration and mineralization on surface and in drill core affirms the overturned nature of the local stratigraphy, evidenced by results from previous exploration programs. The massive sulphide lenses discovered in the Discovery Trench in 2001, the F9 Target trenches in 2007, FC08-TR1 and the 2011 trenches are all considered to exist in a favorable stratigraphic horizon occurring within or somewhat below sedimentary rocks that are locally graphitic, and atop and partly within a felsic volcanoclastic pile.



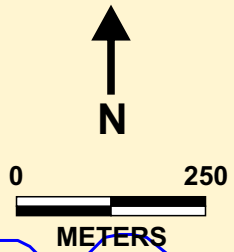
**BARKER MINERALS LTD.**

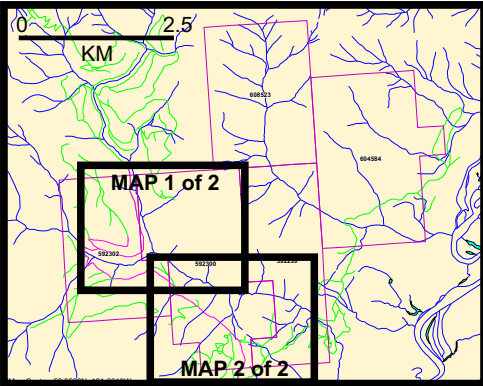
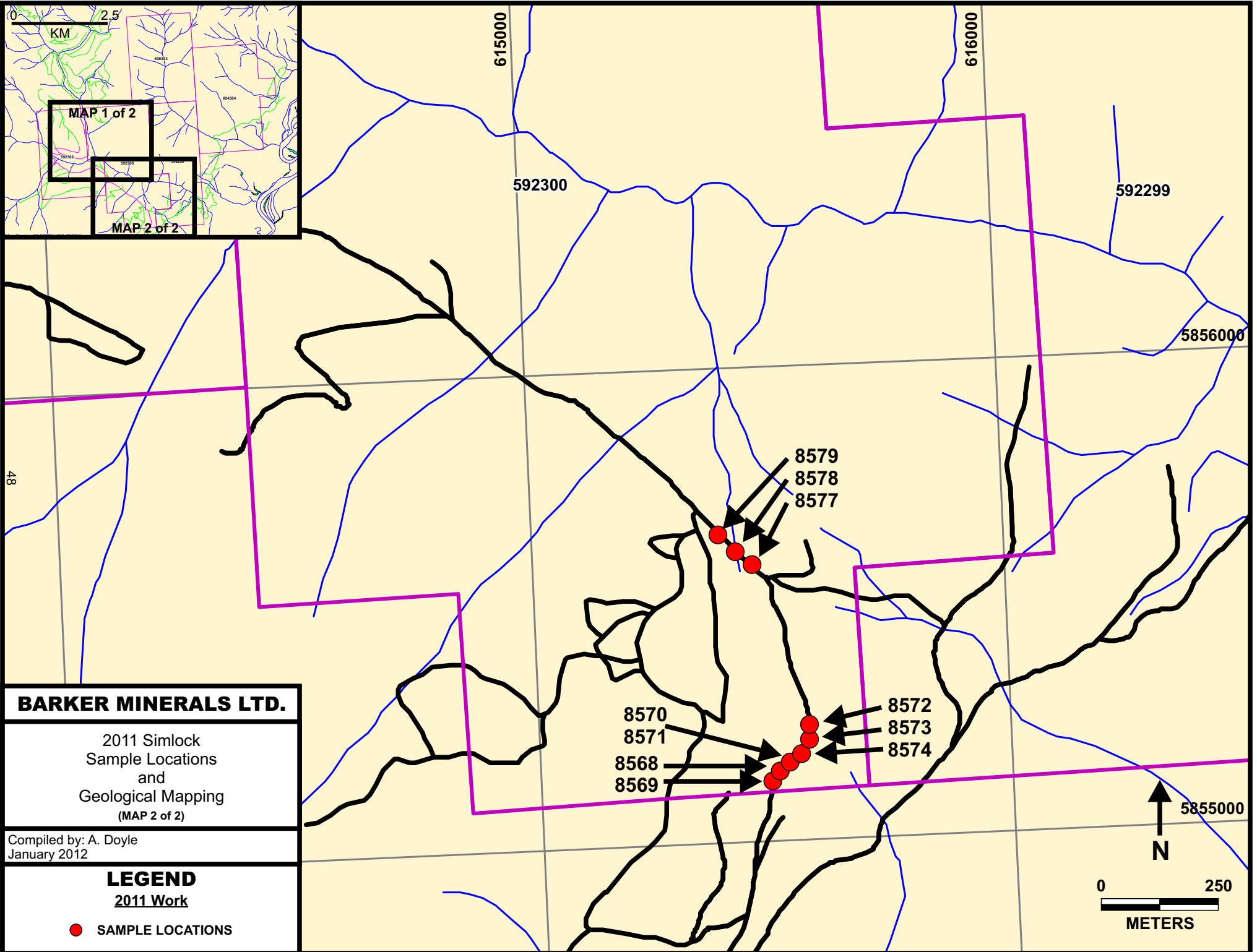
2011 Simlock  
Sample Locations  
and  
Geological Mapping  
(MAP 1 of 2)

Compiled by: A. Doyle  
January 2012

**LEGEND**  
2011 Work

- █ ROAD BRUSHING
- SAMPLE LOCATIONS





**BARKER MINERALS LTD.**

2011 Simlock  
Sample Locations  
and  
Geological Mapping  
(MAP 2 of 2)

Compiled by: A. Doyle  
January 2012

**LEGEND**  
2011 Work

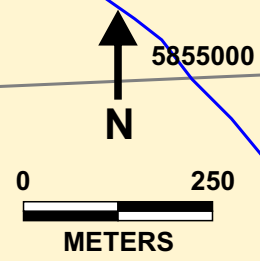
● SAMPLE LOCATIONS

8579  
8578  
8577

8570  
8571

8568  
8569

8572  
8573  
8574



Previous exploration programs at Frank Creek have demonstrated the occurrence of massive sulphide lenses occurring within or adjacent to graphitic sediments. A massive sulphide deposit could exist in a favorable horizon within the large strong low resistivity anomaly (Trend A) illustrated in Figure Nos. 3, 13, 14 and 15.

### **9.2 Black Bear Project**

Most 2010 trenches successfully exposed variable amounts of fresh high grade silver galena mineralization which was sampled along strike of the Providence and Hunt veins, at various locations on the newly discovered veins and at highly altered zones adjacent to the veins. Grab samples reported up to 116 ounces per ton silver and 59% lead at the Providence target and a chip sample from the Hunt vein reported 34 oz/t silver and 37.1% lead over a 1 metre width. (See Figure 16 - 2010 trench location and analysis results)

The trenching and drilling was also successful in identifying important intrusive rocks with elevated concentrations of silver, bismuth and lead spatially located near the highest grade mineralization identified to date. This indicates that the mineralization may increase in grade as it gets closer to the intrusion. The high oz/t silver to the % lead ratio in the intrusive itself also supports this interpretation. It is apparent that on the Black Bear property the ratio of precious metals to the % of lead will be a very useful tool in determining the proximity of mineralization to its intrusive source.

### **9.3 Simlock Project**

This author concurs with Symonds' recommendation of an exploration program including an induced polarization geophysical survey and mechanical trenching and drilling. Ground EM and magnetic surveys should also be done; the objective of the geophysical surveys would be to discover disseminated and local massive sulphide bodies. Such bodies, often occurring with limestone, are an important locus for gold ore bodies in the Wells-Barkerville camp.

The widely-occurring and very high Au geochemical results from streams in the 1986 survey were not sufficiently followed up.

Past survey grids in the Simlock area were limited in area. Large gaps between the survey areas may have missed many prospective outcrops and areas. The Simlock property should be comprehensively explored by geochemical and geophysical means.

## **10.0 RECOMMENDATIONS**

### **10.1 Frank Creek Project**

Massive sulphide lenses discovered in trenches in 2007 and DDH holes in 2008 in the F9 Target area should be intensively followed up by trenching and drilling. This is also the area of the Trend 3 multi-element soil anomaly from the 2007 exploration program. 5,000 m of drilling in a grid pattern is recommended to follow the massive sulphide mineralization outward from the known locations. A 750 m deep DDH hole is recommended on each of Lines 5100N and 5300N to test the heart of the strong Trend A low resistivity anomaly. The anomalous gold in DDH FC09-38 should be followed up by re-analysing pulps from the soils collected in 2007 for Au by regular geochemical process. Trenching should be done in the F1 Target Area for gold-bearing veins and shear structures.

### **10.2 Black Bear Project**

The trenching and drilling results verify the extensive occurrence of mineralization on the property. Further work is recommended on the property in accordance with recommendations made in the relevant references (Turna, 2008, 2009c, 2009d).

### **10.3 Simlock Project**

Comprehensive geochemical, geophysical and geological work is recommended, over approximately 70 line km of cut grid to properly and fully follow up the very favorable geology and known Au geochemical anomalies and high grade Au results from outcrops.

Grid lines, 100 m apart and oriented NE-SW, should be cut between the southwest boundary of the Simlock property and the ridge between Simlock Creek and Three Creek. There would be an equivalent of approximately 70 km of grid lines. Soil samples should be collected at 25 m intervals on the lines. Initially, alternate samples would be analyzed; the remaining samples would be analyzed subsequently on a picked basis. The soil analysis method should be by Enzyme Leach due to this method's ability to detect subtle geochemical anomalies in areas of deep overburden.

An induced polarization (IP) geophysical survey and ground EM and magnetic surveys should be done over the cut grid to detect sulphide bodies the gold mineralization may be associated with, and to define stratigraphic trends.

Extensive and intensive rock sampling should be done over known gold occurrences and new prospective outcrops when discovered.

The objective of the above work would be to determine areas for follow-up work by mechanical trenching and diamond drilling.



## Table 4

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### Black Bear Project – Summary of Assay Results

## Table 4 - Black Bear 2011 Drill Results

### Drill Hole BB11-02 Assay Results

From	To	Interval	Silver - Grams	Silver - Troy	Gold - Grams	Lead	Zinc
Metres	Metres	Metres	Per Tonne	oz/ton	Per Tonne	%	%
1.98	6.2	<b>4.22</b>	<b>240</b>	<b>6.98 oz/t</b>	<b>0.32</b>	<b>3.57</b>	<b>0.33</b>
inc 1.98	3.7	<b>1.72</b>	<b>638</b>	<b>18.60 oz/t</b>	<b>0.93</b>	<b>9.92</b>	nil
inc 3.70	4.2	<b>0.5</b>	<b>352</b>	<b>10.26 oz/t</b>	<b>0.46</b>	<b>5.18</b>	<b>1.38</b>
inc 4.20	5.2	<b>1</b>	<b>5</b>	<b>0.15 oz/t</b>	nil	nil	nil
inc 5.20	6.2	<b>1</b>	<b>16</b>	<b>0.47 oz/t</b>	nil	nil	nil

## **APPENDIX A**

### **Glossary of Technical Terms and Abbreviations**

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## 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.
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.
Diatreme	A breccia-filled volcanic pipe that was formed by a gaseous intrusion.
EM	Electromagnetic.
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.

ICP	Inductively coupled plasma.
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.
NNW-SSE	North northwest – South southeast
NW-SE	Northwest - southeast.
N-S	North-South.
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.
TDEM	Time Domain EM.
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 <sub>2</sub> O plus K <sub>2</sub> O) at similar SiO <sub>2</sub> than alkali basalt.
TRIM	Terrain Resource Information Management.
VLF	Very low frequency.

VLf-EM      Very low frequency electromagnetic.

VMS          Volcanic-related massive sulphide.

## **Appendix B**

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### **Barker Mineral Ltd. - Mineral Claims**

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
368325	HEART	140410 (100%)	Mineral	Claim	093A054	1999/mar/28	2012/dec/31	GOOD	225.0
368326	SOUL	140410 (100%)	Mineral	Claim	093A054	1999/mar/30	2012/dec/31	GOOD	25.0
368327	HOBSON 1	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2012/dec/31	GOOD	25.0
368328	HOBSON 2	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2012/dec/31	GOOD	25.0
368329	HOBSON 3	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2012/dec/31	GOOD	25.0
503009		140410 (100%)	Mineral	Claim	093A	2005/jan/13	2012/mar/11	GOOD	685.626
503012		140410 (100%)	Mineral	Claim	093A	2005/jan/13	2012/mar/11	GOOD	627.162
503824	PG9-2	140410 (100%)	Mineral	Claim	093A	2005/jan/15	2012/mar/11	GOOD	58.789
504233		140410 (100%)	Mineral	Claim	093A	2005/jan/18	2012/mar/11	GOOD	587.627
504234		140410 (100%)	Mineral	Claim	093A	2005/jan/18	2012/mar/11	GOOD	587.886
504409		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	469.653
504410		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	410.748
504412		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	78.238
504413		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	626.051
504414		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	684.05
504415		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	449.537
504416		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	508.36
504418		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2012/mar/11	GOOD	469.261
504419		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	824.233
504421		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	706.445
504422		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	490.616
504424		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	822.055
504425		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	665.615
504426		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	39.15
504427		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	508.734
504428		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	704.562
504429		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	684.353
504430		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	684.675
504431		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	685.864
504432		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	705.025
504433		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	587.205
504434		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	801.706
504435		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	625.334
504436		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	585.945
504437		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2012/mar/11	GOOD	683.739
504438		140410 (100%)	Mineral	Claim	093B	2005/jan/21	2012/mar/11	GOOD	683.556
504439		140410 (100%)	Mineral	Claim	093B	2005/jan/21	2012/mar/11	GOOD	702.38
505771		140410 (100%)	Mineral	Claim	093A	2005/feb/03	2012/mar/11	GOOD	586.275
509589	grav01	140410 (100%)	Mineral	Claim	093B	2005/mar/24	2012/mar/11	GOOD	488.021
509590		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2012/mar/11	GOOD	429.398
509591		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2012/mar/11	GOOD	566.23
509592		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2012/mar/11	GOOD	214.832
509593	grav02	140410 (100%)	Mineral	Claim	093B	2005/mar/24	2012/mar/11	GOOD	273.274
513452	AUBAR NEW	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	371.542
513453	CATH	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	488.056
513455	CATH 2	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	214.773
513456	AUBAR NEW 2	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	19.551
513458	MADAM 6	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	313.278
513459	STEVEN 1	140410 (100%)	Mineral	Claim	093A	2005/may/27	2012/mar/11	GOOD	235.275
514097		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2012/mar/11	GOOD	370.509
514099		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2012/mar/11	GOOD	390.188
514100		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2012/mar/11	GOOD	683.217



Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
514127		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2012/mar/11	GOOD	1270.779
514129		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2012/mar/11	GOOD	1562.892
514130		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2012/mar/11	GOOD	938.381
514134		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2012/mar/11	GOOD	19.558
514195		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2012/mar/11	GOOD	429.776
514197		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2012/mar/11	GOOD	468.696
514200		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2012/mar/11	GOOD	117.146
514202		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2012/mar/11	GOOD	488.449
514203		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2012/mar/11	GOOD	410.357
514207		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1370.296
514223		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	684.031
514224		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	489.076
514225		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	332.635
514227		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1760.174
514228		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	234.812
514229		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1311.468
514230		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	763.672
514231		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1391.525
514232		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	470.147
514233		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	274.471
514234		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1369.705
514235		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1135.443
514236		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1429.632
514237		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	391.678
514238		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1270.41
514239		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2012/mar/11	GOOD	1290.676
514252		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1411.095
514253		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1351.325
514254		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1372.595
514256		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	469.104
514262		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	547.007
514264		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	97.683
514265		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1521.196
514266		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1580.452
514268		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1287.853
514272		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1767.184
514279		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	19.551
514281		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	371.41
514282		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1056.385
514284		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1624.869
514285		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1038.421
514289		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	1391.867
514293		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2012/mar/11	GOOD	860.004
514304		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1530.564
514305		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1412.171
514307		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	762.233
514319		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1622.873
514320		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	156.44
514322		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	901.541
514324		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1607.581
514325		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1114.305
514326		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	783.776

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
514327		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1054.944
514328		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1233.903
514329		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	842.054
514330		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	821.519
514332		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1235.947
514333		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	859.226
514334		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1334.206
514335		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1039.233
514336		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	995.969
514337		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	568.406
514338		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	627.16
514339		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	975.976
514340		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1430.242
514341		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	959.909
514342		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1191.427
514343		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1488.23
514344		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1273.908
514345		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1293.961
514346		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1155.684
514347		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	548.603
514348		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	980.847
514356		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	608.022
514358		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1448.102
514361		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	606.74
514364		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1565.317
514366		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1096.521
514367		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1018.582
514368		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	586.645
514371		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	547.905
514372		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1389.437
514373		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	137.034
514374		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	1115.592
514375		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	607.071
514376		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	176.207
514377		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2012/mar/11	GOOD	137.044
514397		140410 (100%)	Mineral	Claim	093A	2005/jun/12	2012/mar/11	GOOD	273.916
514415		140410 (100%)	Mineral	Claim	093A	2005/jun/13	2012/mar/11	GOOD	117.359
514525		140410 (100%)	Mineral	Claim	093A	2005/jun/15	2012/mar/11	GOOD	470.745
514531		140410 (100%)	Mineral	Claim	093A	2005/jun/15	2012/mar/11	GOOD	704.124
525812	BB EXT 1	140410 (100%)	Mineral	Claim	093A	2006/jan/18	2012/mar/11	GOOD	39.254
525813	BB EXT 2	140410 (100%)	Mineral	Claim	093A	2006/jan/18	2012/mar/11	GOOD	19.625
572892	TASSE 1	140410 (100%)	Mineral	Claim	093A	2008/jan/02	2012/mar/11	GOOD	2631.457
572893	TASSE 2	140410 (100%)	Mineral	Claim	093A	2008/jan/02	2012/mar/11	GOOD	1886.124
592299	SL2	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2012/oct/13	GOOD	370.9946
592300	SL1	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2012/oct/13	GOOD	488.1619
592302	SL3	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2012/oct/13	GOOD	331.9431
593490	K SOUTH	140410 (100%)	Mineral	Claim	093A	2008/oct/27	2012/mar/11	GOOD	19.611
593609	TASSE BR	140410 (100%)	Mineral	Claim	093A	2008/oct/30	2012/mar/11	GOOD	156.9802
601103		140410 (100%)	Mineral	Claim	093A	2009/mar/15	2012/mar/11	GOOD	39.1421
602450	MAG09-1	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2012/mar/11	GOOD	487.8606
602451	MAG09-2	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2012/mar/11	GOOD	487.9813
602452	MAG09-3	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2012/mar/11	GOOD	488.1482

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
602453	MAG09-4	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2012/mar/11	GOOD	488.2749
602843	TASSE09-01	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	491.3347
602844	TASSE09-02	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	491.3396
602845	TASSE09-03	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	491.3491
602846	TASSE09-04	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	491.0396
602847	TASSE09-05	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.8897
602848	TASSE09-06	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.7004
602849	TASSE09-07	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.6956
602850	TASSE09-08	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.7813
602851	TASSE09-09	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.6292
602852	TASSE09-10	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.4625
602853	TASSE09-11	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.4064
602854	TASSE09-12	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2012/mar/11	GOOD	490.4803
602861	TASSE09-15	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.5589
602862	TASSE09-16	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	489.9556
602873	TASSE09-18	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.2604
602875	TASSE09-19	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.3251
602876	TASSE09-20	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.5282
602878	TASSE09-21	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.3236
602880	TASSE09-22	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	490.0902
602883	TASSE09-24	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	489.8889
602884	TASSE09-25	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	254.7257
602885	TASSE09-26	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2012/mar/11	GOOD	353.8531
604584	SL 5	140410 (100%)	Mineral	Claim	093A	2009/may/16	2012/oct/13	GOOD	487.9846
605732	KANGAROO	140410 (100%)	Mineral	Claim	093A	2009/jun/09	2012/mar/11	GOOD	352.4335
608523	THREE CREEK	140410 (100%)	Mineral	Claim	093A	2009/jul/19	2012/oct/13	GOOD	390.3026
628903	LITTLE RIVER WEST	140410 (100%)	Mineral	Claim	093A	2009/sep/05	2012/mar/11	GOOD	214.9163
650343	WELCOME001	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	450.5688
650363	WELCOME002	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	489.5437
650383	WELCOME003	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	489.6416
650384	WELCOME004	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	489.7043
650403	WELCOME005	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	489.4941
650404	WELCOME006	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2012/mar/11	GOOD	234.9284
653343	WELCOME100	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	469.4133
653363	WELCOME101	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	430.4198
653383	WELCOME102	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	469.7012
653404	WELCOME103	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	156.5673
653423	WELCOME104	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	176.1964
653425	WELCOME105	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2012/mar/11	GOOD	430.5355
654403	TASSE09-27	140410 (100%)	Mineral	Claim	093A	2009/oct/18	2012/mar/11	GOOD	19.6319
654523	K 13 W	140410 (100%)	Mineral	Claim	093A	2009/oct/18	2012/mar/11	GOOD	352.1449
656823	PG-W1	140410 (100%)	Mineral	Claim	093A	2009/oct/21	2012/mar/11	GOOD	488.5919
656843	PG-N2	140410 (100%)	Mineral	Claim	093A	2009/oct/21	2012/mar/11	GOOD	351.6495
657264	PORTER 1	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	489.0764
657265	PORTER 2	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	489.068
657266	PORTER 3	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.9121
657267	PORTER 4	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.9134
657283	PORTER 5	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.8708
657284	PORTER 6	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.6893
657285	PORTER 7	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.7284
657286	PORTER 8	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.6039
657287	PORTER 9	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.526

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
657288	PORTER 10	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.4047
657289	PORTER 11	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.3627
657290	PORTER 12	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.268
657303	PORTER 13	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.2025
657304	PORTER 14	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.0522
657305	PORTER 15	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	488.0399
657306	PORTER 16	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2012/mar/11	GOOD	19.5184
662949		140410 (100%)	Mineral	Claim	093A	2009/oct/31	2012/mar/11	GOOD	19.5955
672143	K 14	140410 (100%)	Mineral	Claim	093A	2009/nov/20	2012/mar/11	GOOD	19.5661
672163	K 15	140410 (100%)	Mineral	Claim	093A	2009/nov/20	2012/mar/11	GOOD	19.5606
672568	K 16	140410 (100%)	Mineral	Claim	093A	2009/nov/21	2012/mar/11	GOOD	156.5257
676065	K17	140410 (100%)	Mineral	Claim	093A	2009/nov/29	2012/mar/11	GOOD	215.1244
676563	KC1	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	449.0964
676564	KC2	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	488.1729
676565	KC3	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	488.1831
676583	KC4	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	487.9531
676603	KC5	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	487.9672
676623	KC6	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	487.8147
676643	KC7	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2012/mar/11	GOOD	370.8923
677203	KC8	140410 (100%)	Mineral	Claim	093A	2009/dec/01	2012/mar/11	GOOD	78.1476
687745	P17	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	488.3731
687746	P18	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	488.3767
687747	P19	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	390.5765
687751	P20	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	410.7649
687752	P21	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	97.7208
687763	P22	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	19.5513
687764	P23	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	19.5531
687766	P24	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2012/mar/11	GOOD	39.1079
690184	P25	140410 (100%)	Mineral	Claim	093A	2009/dec/27	2012/mar/11	GOOD	449.6321
704303	WASKO001	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2012/mar/11	GOOD	255.4905
704304	WASKO002	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2012/mar/11	GOOD	19.661
704305	WASKO003	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2012/mar/11	GOOD	314.7065
704811	K18	140410 (100%)	Mineral	Claim	093A	2010/jan/26	2012/mar/11	GOOD	488.3383
709062	PGE001	140410 (100%)	Mineral	Claim	093A	2010/feb/27	2012/mar/11	GOOD	214.8939
831565	PG-W2	140410 (100%)	Mineral	Claim	093A	2010/aug/16	2012/mar/11	GOOD	156.3419
831566	PORTER 17	140410 (100%)	Mineral	Claim	093A	2010/aug/16	2012/mar/11	GOOD	488.6118
831845	TASSE09-28	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2012/mar/11	GOOD	58.9089
831851	WASK0004	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2012/mar/11	GOOD	275.1737
831852	WASK0005	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2012/mar/11	GOOD	39.3166
831853	WASK0006	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2012/mar/11	GOOD	58.9941
832157	PORT	140410 (100%)	Mineral	Claim	093A	2010/aug/26	2012/mar/11	GOOD	488.3684
832763	K18	140410 (100%)	Mineral	Claim	093A	2010/sep/04	2012/mar/11	GOOD	488.0005
832764	K19	140410 (100%)	Mineral	Claim	093A	2010/sep/04	2012/mar/11	GOOD	78.1005
838958	CUSH03	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	460.8633
838959	CUSH04	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	422.4622
838960	CUSH05	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	288.1868
838961	CUSH06	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	461.1044
838964	CUSH09	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	480.3074
838965	CUSH10	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	403.54
838967	CUSH12	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	153.7817
838968	CUSH13	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2012/may/25	GOOD	403.6317
842336		140410 (100%)	Mineral	Claim	093A	2011/jan/04	2012/mar/11	GOOD	292.9858

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
847062		140410 (100%)	Mineral	Claim	093A	2011/feb/20	2012/mar/11	GOOD	234.9544
847427		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2012/mar/11	GOOD	158.1066
847435		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2012/mar/11	GOOD	474.2369
847437		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2012/mar/11	GOOD	494.0316
847438		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2012/mar/11	GOOD	237.1665
847439		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2012/mar/11	GOOD	237.142
851879		140410 (100%)	Mineral	Claim	093A	2011/apr/16	2012/apr/16	GOOD	19.53
878969		140410 (100%)	Mineral	Claim	093A	2011/aug/02	2012/aug/02	GOOD	156.7311
900709		140410 (100%)	Mineral	Claim	093A	2011/sep/25	2012/sep/25	GOOD	393.1602
933389		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2012/nov/26	GOOD	480.2045
933489		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2012/nov/26	GOOD	461.2852
933529		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2012/nov/26	GOOD	461.3733
933589		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2012/nov/26	GOOD	460.906
933629		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2012/nov/26	GOOD	460.9485

## Appendix C

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### Frank Creek Project - Analytical Data

CLIENT NAME: BARKER MINERALS LTD.  
8384 TOOMBS DR.  
PRINCE GEORGE, BC V2K5A3

ATTENTION TO: Louis Doyle

PROJECT NO:

AGAT WORK ORDER: 12V564790

SOLID ANALYSIS REVIEWED BY: David Tye, General Manager, Mining Operations

DATE REPORTED: Mar 14, 2012

PAGES (INCLUDING COVER): 38

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

**\*NOTES**

VERSION 3:Gold (AR-ICPMS) is for exploratory purposes only. Some samples exhibit coarse gold effects. Additional Gravimetric Gold Data provided as per client request - March 14, 2012

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012			DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012				SAMPLE TYPE: Drill Core			
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	
04526	1.11	12.9	1.12	300	<0.01	<5	132	0.23	4.39	0.44	1.64	35.5	20.2	91.8	
04527	1.82	0.83	1.07	64.9	<0.01	<5	166	0.28	0.78	0.62	4.44	51.8	12.2	52.1	
04528	2.51	1.07	0.93	67.9	<0.01	<5	171	0.28	0.38	0.97	3.10	35.0	11.2	72.5	
04529	1.35	0.46	0.83	55.3	<0.01	<5	192	0.24	0.26	0.63	0.76	31.9	11.2	47.0	
04530	0.59	2.21	0.27	34.4	<0.01	<5	66	0.08	2.60	1.09	1.50	9.55	6.8	205	
04531	1.38	2.00	1.51	62.3	<0.01	<5	245	0.26	2.02	0.90	2.79	37.5	15.6	57.6	
04532	3.22	2.12	1.75	156	<0.01	<5	217	0.21	3.40	0.18	0.59	46.0	14.8	57.4	
04533	0.56	1.12	0.91	55.3	<0.01	<5	194	0.21	1.67	1.59	1.15	30.8	10.5	44.8	
04534	1.62	1.18	2.31	39.4	<0.01	<5	197	0.24	0.41	0.20	0.97	55.5	15.7	51.9	
04535	0.07	19.2	0.80	125	1.15	<5	185	0.11	1.56	3.43	88.2	8.51	3.0	11.3	
04536	0.82	0.46	1.62	24.9	<0.01	<5	239	0.25	0.36	0.84	0.50	44.5	14.3	50.3	
04537	1.31	2.02	0.82	22.8	<0.01	<5	144	0.20	0.31	0.35	1.00	24.8	14.0	67.9	
04538	1.26	0.83	1.05	37.7	<0.01	<5	122	0.31	0.60	0.43	1.42	29.5	12.2	60.6	
04539	2.44	2.35	5.40	81.7	<0.01	<5	32	0.07	0.94	0.40	0.71	39.5	24.5	43.7	
04540	1.28	1.49	2.55	503	<0.01	<5	71	0.10	2.59	0.07	1.11	36.5	12.5	55.4	
04541	1.26	0.62	1.92	19.3	<0.01	<5	121	0.16	1.27	0.10	0.19	38.9	17.2	55.0	
04542	1.43	0.83	0.92	53.3	<0.01	<5	183	0.27	0.66	0.51	1.67	42.4	17.9	90.0	
04543	1.21	1.41	0.62	61.5	<0.01	<5	166	0.20	0.29	0.67	0.65	28.9	13.7	149	
04544	2.85	3.27	2.86	50.3	0.01	<5	134	0.14	3.01	0.17	2.54	35.4	23.0	68.3	
04545	1.41	4.52	3.12	57.3	0.01	<5	112	0.11	6.04	0.13	4.01	30.4	18.8	68.3	
04546	0.07	27.5	0.69	19.5	0.69	<5	187	0.20	2.89	1.61	39.7	12.3	4.4	7.1	
04547	1.18	2.70	1.59	162	0.01	<5	32	0.07	5.66	0.07	1.73	23.7	68.7	97.9	
04548	1.51	3.05	0.68	114	<0.01	<5	35	0.07	5.60	0.06	1.01	24.9	23.4	85.7	
04549	3.62	3.34	0.38	361	<0.01	<5	25	<0.05	5.55	0.17	2.11	20.5	23.9	135	
04550	2.99	4.11	0.59	117	<0.01	<5	31	<0.05	7.13	0.19	2.68	22.9	15.4	106	
04551	1.45	3.47	1.28	185	<0.01	<5	23	<0.05	8.08	0.11	5.70	18.6	22.4	183	
04552	2.41	4.93	2.94	55.2	0.02	<5	50	0.07	9.58	0.08	3.57	33.2	20.4	59.0	
04553	2.61	3.18	2.41	85.3	0.15	<5	55	0.07	3.77	0.09	2.19	25.3	19.4	75.1	
04554	2.47	4.22	2.85	241	0.02	<5	54	0.08	9.56	0.15	3.01	24.3	26.6	67.0	
04555	2.32	1.19	1.94	20.2	<0.01	<5	114	0.12	2.46	0.19	0.24	38.6	11.4	95.5	
04556	2.52	0.93	1.31	21.4	0.01	<5	142	0.16	5.74	0.14	0.40	48.6	19.4	64.2	

Certified By:





## Certificate of Analysis

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TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012	DATE REPORTED: Mar 14, 2012	SAMPLE TYPE: Drill Core												
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	
04557	0.35	16.4	0.76	8.5	0.05	<5	107	0.11	19.3	0.08	3.23	25.6	29.8	92.9	
04558	1.47	1.04	1.07	20.0	<0.01	<5	133	0.15	1.47	0.11	0.76	31.7	14.9	28.7	
04559	0.43	5.11	0.18	1440	>25	<5	16	<0.05	2.88	0.13	1.23	5.12	163	222	
04560	0.52	0.91	0.91	224	2.96	<5	122	0.19	1.22	2.85	0.12	19.4	9.8	80.5	
04561	0.07	16.2	0.74	24.8	0.05	<5	220	0.20	3.50	1.73	56.7	9.88	2.0	6.3	
04562	0.46	2.58	0.88	476	2.36	<5	122	0.18	4.02	4.01	0.22	12.9	27.5	78.9	
04563	0.58	0.80	0.50	485	2.85	<5	64	0.12	1.22	3.70	0.18	6.50	28.4	50.6	
04564	1.11	0.29	0.70	60.1	0.17	<5	97	0.22	0.28	2.80	0.17	25.6	14.6	37.3	
04565	0.51	0.13	0.66	64.7	0.06	<5	99	0.21	0.09	3.09	0.24	25.8	17.0	28.0	
04566	0.28	0.18	0.76	120	0.02	<5	85	0.20	0.13	3.20	0.60	20.3	32.7	46.7	
04567	0.63	0.14	0.64	53.7	<0.01	<5	62	0.15	0.28	0.67	0.33	38.0	21.1	31.1	
04568	0.96	0.52	0.63	25.3	<0.01	<5	65	0.18	1.04	1.08	1.20	31.4	15.9	49.5	
04569	1.60	0.14	0.61	17.6	<0.01	<5	68	0.20	0.30	0.85	0.37	46.2	14.4	42.9	
04570	3.52	1.65	0.63	508	<0.01	<5	44	0.08	3.19	0.16	4.74	25.7	16.1	92.1	
04571	3.30	1.94	1.67	223	<0.01	<5	14	0.06	2.90	0.26	6.69	24.2	10.6	117	
04572	2.87	1.81	3.50	108	<0.01	<5	52	0.08	3.79	0.16	1.99	28.1	14.0	89.5	
04573	2.27	4.50	2.21	154	0.02	<5	111	0.09	13.3	0.21	3.06	29.0	30.8	52.6	
04574	3.91	2.62	1.75	61.1	<0.01	<5	27	<0.05	8.32	0.05	0.88	28.9	28.2	72.6	
04575	3.69	6.14	0.83	486	<0.01	<5	16	<0.05	17.2	0.08	3.71	18.4	38.7	97.9	
04576	0.06	23.6	0.55	18.7	0.64	<5	183	0.17	2.78	1.47	37.9	11.4	4.2	6.0	
04577	2.88	9.53	1.16	967	0.06	<5	39	0.07	20.1	0.30	7.58	23.3	35.9	49.4	
04578	2.21	18.7	1.54	1470	0.06	<5	41	0.06	26.3	0.31	9.04	17.7	31.2	63.4	
04579	2.14	3.56	0.46	62.0	0.02	<5	57	0.08	6.29	0.12	0.90	21.2	19.2	121	
04580	2.93	1.59	0.57	58.0	<0.01	<5	84	0.11	3.25	0.15	0.84	28.9	16.1	69.7	
04581	0.63	2.14	0.48	2210	0.03	<5	52	0.06	5.15	0.06	5.89	20.2	65.7	39.2	
04582	0.98	1.57	0.50	64.9	0.02	<5	61	0.09	4.89	1.20	1.79	18.8	32.9	65.3	
04583	2.16	0.15	0.41	24.8	<0.01	<5	67	0.11	0.51	2.58	0.37	29.3	9.0	127	
04584	0.87	0.06	0.92	23.0	<0.01	<5	138	0.22	0.57	4.48	0.29	30.3	20.0	22.0	
04585	2.85	0.81	0.55	22.6	<0.01	<5	74	0.18	1.42	5.71	1.66	31.5	11.3	37.3	
04586	0.98	0.23	0.71	106	<0.01	<5	96	0.19	0.40	4.15	0.21	26.6	17.4	50.1	
04587	3.65	0.66	0.71	49.1	0.02	<5	89	0.21	1.09	4.85	7.60	26.8	17.3	32.5	

Certified By:



## Certificate of Analysis

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<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
04588		1.39	3.40	3.00	196	0.01	<5	12	<0.05	5.56	0.42	17.8	15.7	16.4	46.3
04589		1.24	2.54	2.37	395	<0.01	<5	72	0.10	6.01	0.27	2.24	19.6	13.0	43.9
04590		1.52	3.28	1.53	169	0.02	<5	33	<0.05	8.21	0.08	9.46	16.2	40.8	47.5
04591		0.80	9.96	0.84	398	<0.01	<5	15	<0.05	25.9	0.07	4.20	13.2	81.2	135
04592		4.22	4.94	1.40	259	<0.01	<5	25	0.05	12.3	0.39	3.55	16.3	31.5	78.1
04593		1.81	5.23	1.33	226	<0.01	<5	24	<0.05	14.1	0.46	4.40	15.5	29.6	103
04594		3.49	1.82	2.84	33.7	<0.01	<5	30	0.07	3.61	0.21	2.92	33.2	14.8	57.2
04595		4.29	2.15	2.16	87.2	0.02	<5	46	0.07	5.52	0.13	1.45	22.7	20.4	71.9
04596		3.71	0.51	1.62	5.2	<0.01	<5	120	0.13	1.82	0.15	0.49	40.9	13.8	73.5
04597		1.33	2.92	0.74	10.5	0.01	<5	101	0.12	19.4	0.25	1.18	32.5	34.2	34.2
04598		2.39	3.41	0.63	72.4	0.01	<5	107	0.15	8.58	0.36	7.83	29.2	18.0	44.0
04599		3.28	0.40	0.70	35.2	<0.01	<5	109	0.19	0.75	3.61	0.69	35.0	10.3	43.5
04600		0.06	15.9	0.59	23.0	0.02	<5	143	0.16	3.37	1.73	53.4	10.1	2.0	5.8
04601		1.49	1.67	0.47	491	5.54	<5	58	0.10	2.68	2.59	0.17	8.53	31.1	78.3
04602		1.51	0.42	0.64	152	0.59	<5	89	0.19	0.46	3.03	0.14	19.2	15.7	83.7
04603		2.24	0.13	0.75	38.8	0.02	<5	91	0.21	0.20	4.80	0.34	42.6	11.9	39.5
04604		3.70	0.57	0.82	32.8	<0.01	<5	95	0.23	1.33	0.75	0.64	41.0	17.9	54.6
04605		2.46	0.51	0.67	88.0	<0.01	<5	76	0.21	1.66	0.41	0.21	35.4	26.2	76.6
04606		3.15	0.19	0.85	109	<0.01	<5	87	0.24	0.89	0.59	0.08	37.4	27.3	86.2
04607		2.36	0.62	0.72	76.7	<0.01	<5	82	0.20	1.86	0.24	1.08	49.0	15.6	85.9
04609		1.63	0.13	2.43	39.5	<0.01	<5	121	0.27	0.42	0.17	0.18	82.0	24.9	65.8
04610		3.78	0.13	1.68	41.3	<0.01	<5	133	0.34	0.32	0.20	0.52	87.8	19.4	50.5
04611		3.38	0.41	0.82	39.4	<0.01	<5	95	0.26	0.92	0.12	0.19	89.8	14.3	82.0
04612		1.67	0.51	0.85	38.4	<0.01	<5	92	0.24	0.91	0.13	0.17	93.3	12.6	67.3
04613		1.05	0.02	0.70	40.5	<0.01	<5	90	0.19	0.07	0.13	0.02	72.4	10.7	56.4
04614		3.73	0.40	0.90	42.5	<0.01	<5	112	0.26	0.53	0.15	0.04	64.5	13.5	46.0
04615		1.65	0.65	0.84	42.9	<0.01	<5	115	0.21	0.56	0.21	0.15	57.0	12.4	66.6
04616		2.82	26.8	0.53	3810	0.04	<5	45	0.15	17.6	0.46	32.7	19.3	17.7	81.0
04617		1.69	15.8	0.68	1980	0.02	<5	113	0.16	4.64	0.51	17.3	19.5	7.7	77.8
04618		1.54	32.3	0.57	1420	0.05	<5	53	0.12	19.6	0.13	26.5	20.1	16.5	92.8
04619		1.22	0.79	0.87	79.7	<0.01	<5	145	0.28	0.71	0.17	0.49	59.9	15.2	65.9

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

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DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Sample Login Weight kg	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
04620		2.05	2.35	0.67	207	<0.01	<5	138	0.18	2.66	0.22	2.94	34.5	15.6	59.7
04621		0.35	27.0	0.31	243	0.08	<5	14	0.06	43.8	0.08	6.77	10.7	66.1	63.1
04622		1.97	1.83	0.81	11.6	<0.01	<5	140	0.21	2.86	0.47	0.56	37.4	10.0	73.3
04623		0.07	19.7	0.70	123	2.21	<5	171	0.11	1.63	3.45	78.2	8.19	3.0	9.3
04624		3.08	2.08	0.65	153	0.62	<5	125	0.14	2.98	0.11	6.16	25.0	22.9	78.5
04625		3.00	4.42	0.66	165	0.04	<5	63	0.10	5.46	0.14	27.0	19.8	20.6	40.6
04626		4.20	1.77	5.04	104	<0.01	<5	64	0.16	1.94	0.54	8.98	18.8	34.8	705
04627		1.08	1.62	4.15	210	<0.01	<5	17	0.11	2.13	2.79	6.46	9.86	61.3	441
04628		0.75	19.2	1.80	123	0.02	<5	56	0.14	16.6	0.19	120	12.8	28.6	72.5
04629		2.54	0.72	5.35	514	<0.01	<5	3	0.14	1.23	5.96	0.96	11.8	66.8	873
04630		3.52	0.96	4.26	20.7	<0.01	<5	84	0.22	2.24	0.83	1.65	16.9	40.1	414
04631		2.20	0.69	5.23	53.6	<0.01	<5	71	0.24	1.52	1.31	2.35	20.4	46.9	426
04632		2.94	0.53	3.42	27.9	<0.01	<5	138	0.31	0.83	0.25	1.41	36.7	23.2	99.0
04633		0.90	1.91	2.75	369	<0.01	<5	55	0.17	1.82	6.24	9.10	7.20	62.3	800
04634		2.87	0.60	3.49	520	<0.01	<5	42	0.18	1.04	7.78	3.27	13.1	52.9	1020
04635		3.85	0.11	1.46	36.1	<0.01	<5	134	0.31	0.39	0.28	0.11	113	20.6	75.6
04636		0.91	0.53	0.48	80.9	<0.01	<5	78	0.20	1.24	0.84	0.15	39.2	29.5	72.6
04637		3.17	0.11	1.27	131	<0.01	<5	21	0.16	0.04	8.32	0.11	13.6	41.4	268
04638		0.79	0.24	2.47	721	<0.01	<5	30	0.17	0.04	10.3	0.07	11.5	78.4	710
04639		0.89	0.86	0.96	226	<0.01	<5	63	0.15	0.07	9.51	3.01	8.52	55.3	227
04640		1.68	0.04	0.90	40.6	<0.01	<5	88	0.20	0.07	1.77	0.10	36.6	16.2	156
04641		2.46	0.05	0.98	16.6	<0.01	<5	113	0.23	0.07	0.98	0.17	41.8	14.4	63.6
04642		1.35	0.03	0.77	11.3	<0.01	<5	93	0.25	0.07	0.71	0.10	49.9	12.4	77.8
04643		1.82	0.08	1.28	26.0	<0.01	<5	155	0.33	0.28	0.59	0.06	45.6	25.7	49.3
04644		1.95	1.00	0.82	59.6	0.01	<5	172	0.22	1.62	0.11	4.38	33.7	9.8	56.2
04645		1.97	2.14	0.73	77.5	<0.01	<5	82	0.14	2.99	0.12	17.7	19.4	9.5	79.5
04646		2.28	4.02	0.78	87.5	0.02	<5	35	0.11	5.50	0.21	23.9	20.0	20.0	44.7
04647		2.58	4.86	0.64	159	0.03	<5	15	0.08	5.44	0.14	30.2	14.8	28.9	82.3
04648		2.16	4.59	0.83	153	0.03	<5	18	0.12	5.59	0.19	33.1	17.4	23.2	143
04649		4.53	1.27	4.49	383	<0.01	<5	4	0.12	1.86	5.68	3.51	8.29	75.6	1510
04650		1.18	2.58	5.62	281	<0.01	<5	<1	0.13	6.13	5.04	9.42	8.51	89.4	1420

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

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TEL (905)501-9998  
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ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012	DATE REPORTED: Mar 14, 2012	SAMPLE TYPE: Drill Core												
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	
04651	2.15	3.86	2.13	78.4	<0.01	<5	10	0.12	6.54	0.34	26.2	15.0	21.9	198	
04652	1.17	0.96	2.01	92.0	<0.01	<5	10	0.13	4.55	1.64	4.36	4.42	69.8	804	
04653	3.24	0.59	5.10	69.1	<0.01	<5	75	0.26	1.41	1.29	1.17	16.6	61.4	543	
04654	4.18	0.51	5.29	243	<0.01	<5	92	0.34	1.22	3.10	0.70	18.9	59.1	564	
04655	1.11	0.07	0.68	10.1	<0.01	<5	120	0.24	0.14	2.49	0.53	36.9	4.2	124	
04656	1.20	0.06	4.40	108	<0.01	<5	67	0.29	0.20	5.22	0.13	32.3	51.9	375	
04657	0.86	0.29	1.18	65.6	<0.01	<5	106	0.41	0.67	0.70	0.14	44.1	19.6	51.8	
04658	1.66	0.21	1.65	45.5	<0.01	<5	111	0.37	0.41	0.46	0.42	30.9	25.5	63.9	
04659	1.82	0.24	1.91	80.3	<0.01	<5	151	0.39	0.66	0.16	0.09	48.2	52.0	50.5	
04660	1.37	0.11	3.51	32.0	<0.01	<5	71	0.26	0.13	6.81	0.12	11.7	42.1	261	
04661	2.44	0.23	1.82	62.1	<0.01	<5	152	0.38	0.49	1.04	0.11	47.3	34.4	90.6	
04662	1.56	0.04	1.56	133	<0.01	<5	41	0.25	0.04	8.12	0.06	21.4	51.2	262	
04663	3.60	0.09	0.80	23.1	<0.01	<5	121	0.23	0.12	1.33	0.10	39.7	13.6	76.1	
04664	2.04	0.18	0.88	12.9	<0.01	<5	159	0.23	0.36	1.51	0.42	45.6	7.9	51.0	
04665	3.78	0.38	0.74	67.9	<0.01	<5	89	0.30	0.97	0.52	0.30	32.8	33.0	31.9	
04666	1.29	0.56	0.95	22.0	<0.01	<5	131	0.26	0.57	1.31	2.72	34.5	11.9	56.7	
04667	0.07	24.8	0.74	19.3	0.74	<5	105	0.21	2.86	1.62	37.3	13.6	5.1	5.9	
04668	2.67	3.64	0.93	90.0	0.02	<5	81	0.20	5.68	0.12	15.0	26.3	8.4	76.4	
04669	1.48	5.55	0.79	2470	0.06	<5	15	0.11	11.9	0.11	38.6	12.4	41.8	59.2	
04670	2.46	4.58	0.73	334	0.03	<5	19	0.14	7.14	0.15	49.0	16.1	23.8	37.9	
04671	3.81	4.40	0.98	298	0.04	<5	25	0.18	7.13	0.17	25.0	21.9	25.5	67.5	
04672	1.14	2.22	3.15	144	<0.01	<5	9	0.10	4.45	2.01	0.93	5.43	72.0	1100	
04673	0.42	3.83	5.43	205	<0.01	<5	17	0.18	8.26	1.24	58.2	10.1	71.2	218	
04674	2.99	0.95	3.39	41.4	<0.01	<5	146	0.35	1.93	0.32	1.48	36.2	23.0	136	
04675	3.30	0.61	3.55	40.0	<0.01	<5	129	0.35	2.11	0.64	2.04	28.5	27.1	202	
08551	3.44	1.15	5.99	78.8	<0.01	<5	47	0.26	3.28	1.54	0.37	13.8	58.9	743	
08552	1.99	0.50	4.43	315	<0.01	<5	26	0.23	1.42	5.35	0.47	9.79	63.4	973	
08553	0.78	0.82	1.25	121	<0.01	<5	83	0.40	1.61	0.12	3.47	28.5	24.0	36.6	
08554	1.72	1.77	4.24	48.9	<0.01	<5	72	0.32	3.82	0.44	4.09	17.0	51.5	332	
08555	2.32	1.84	4.98	278	0.01	<5	6	0.24	3.14	3.32	12.5	5.86	86.3	803	
08556	4.02	0.51	3.03	337	<0.01	<5	72	0.27	0.54	4.00	3.98	7.30	57.9	572	

Certified By:



## Certificate of Analysis

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### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
08557		2.28	0.25	2.17	40.2	<0.01	<5	173	0.46	0.36	0.36	0.71	60.1	22.0	79.8
08558		2.75	0.08	2.82	131	<0.01	<5	61	0.24	0.05	5.96	0.15	28.5	46.0	322
08559		2.51	0.12	2.47	112	<0.01	<5	55	0.26	0.05	7.00	0.15	18.3	53.3	316
08560		0.68	0.06	0.69	20.9	<0.01	<5	55	0.23	0.06	2.81	0.08	22.0	6.3	70.1
08561		2.79	0.10	1.13	28.6	<0.01	<5	118	0.31	0.18	1.79	0.23	46.0	16.8	73.0
08562		3.18	0.10	1.39	104	<0.01	<5	49	0.17	0.13	6.36	0.09	22.7	42.8	184
08563		0.46	0.16	1.67	43.5	0.01	<5	126	0.42	0.99	0.32	0.26	43.1	28.7	63.4
08564		1.21	<0.01	1.64	4.1	<0.01	<5	17	1.98	0.05	0.32	0.03	4.38	4.0	155
08565		0.95	0.54	1.45	122	0.04	<5	48	0.34	3.42	0.10	0.13	22.0	45.6	62.7
08566		1.44	0.05	1.76	29.8	0.01	<5	92	0.36	0.28	0.20	0.04	25.5	8.6	104
08567		0.08	17.3	0.74	23.2	0.03	<5	41	0.24	3.29	1.71	52.3	11.2	2.5	6.3
08568		182	0.09	3.73	1.2	<0.01	<5	104	0.47	0.08	8.41	0.21	33.9	49.3	219
08569		1.16	<0.01	0.35	1.8	<0.01	<5	41	0.20	0.03	11.1	0.19	12.1	13.1	105
08570		2.71	<0.01	0.20	1.7	<0.01	<5	21	0.11	0.05	5.74	0.21	5.51	4.9	218
08571		2.50	0.03	2.08	0.6	0.01	<5	57	0.27	<0.01	6.13	0.12	34.2	40.6	31.2
08572		1.30	0.06	1.16	0.8	<0.01	<5	63	0.23	0.02	12.3	0.12	22.9	43.2	272
08573		2.45	0.09	0.37	29.4	<0.01	<5	21	0.08	0.21	>25	0.68	9.26	7.2	36.9
08574		2.86	0.09	1.90	23.2	<0.01	<5	58	0.14	0.04	7.30	0.12	19.8	26.6	37.7
08575		2.36	0.41	0.15	59.5	0.49	<5	15	0.09	1.49	5.91	0.73	9.80	8.1	101
08576		1.25	0.02	0.25	4.8	<0.01	<5	18	0.07	0.06	0.99	0.09	16.6	5.1	172
08577		1.42	0.03	1.43	13.4	0.01	<5	78	0.26	0.26	0.26	0.04	50.3	9.7	98.7
08578		3.45	<0.01	1.14	5.1	<0.01	<5	69	0.14	0.06	0.09	0.02	22.2	10.2	273
08579		1.48	0.01	1.08	10.7	<0.01	<5	57	0.28	0.14	2.75	0.11	37.0	32.9	145
08580		1.44	2.87	4.17	1.4	0.12	<5	13	0.38	2.15	4.44	0.13	39.9	52.5	38.6
08581		2.28	0.06	0.72	3.1	<0.01	<5	24	0.13	0.06	1.37	0.09	11.7	9.5	284
08582		2.46	0.62	1.60	49.3	0.01	<5	1	0.10	0.57	18.6	0.03	30.0	126	16.0
08583		3.30	0.16	0.35	5.8	<0.01	<5	3	0.07	0.40	>25	0.03	10.2	10.7	3.2
08584		2.61	0.06	2.48	3.4	<0.01	<5	43	0.22	0.04	14.3	0.11	9.83	38.5	53.1
08585		2.27	0.03	0.55	2.5	<0.01	<5	33	0.15	0.11	4.77	0.08	25.5	7.5	83.3
08586		1.58	0.01	0.64	17.3	<0.01	<5	71	0.21	0.06	1.38	0.08	36.7	9.0	87.4
08587		1.65	<0.01	0.62	2.5	<0.01	<5	61	0.21	0.05	0.21	0.07	50.4	4.9	131

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.1	0.5
08588	3.11	<0.01	0.47	5.3	<0.01	<5	47	0.18	0.05	0.20	0.13	38.3	8.8	121
08589	3.76	0.02	0.56	3.1	<0.01	<5	51	0.24	0.08	1.10	0.14	46.2	8.7	107
08590	2.70	0.05	0.52	56.2	<0.01	<5	47	0.29	0.16	0.15	0.11	44.6	9.3	156

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04526	0.42	575	5.06	2.90	0.08	0.41	0.44	0.544	0.49	17.8	5.1	0.67	531	3.04	
04527	0.42	68.2	2.23	3.44	0.07	0.46	0.57	0.095	0.41	26.6	11.0	0.75	520	6.01	
04528	0.36	78.6	2.02	2.99	0.07	0.49	0.26	0.078	0.35	18.2	10.5	0.83	609	12.3	
04529	0.31	46.9	1.95	2.13	0.05	0.46	0.09	0.024	0.33	16.8	6.8	0.57	248	16.1	
04530	0.11	97.0	2.16	0.64	0.06	0.15	0.20	0.591	0.13	4.5	1.0	0.60	742	3.37	
04531	0.47	145	4.65	3.56	0.09	0.59	0.41	0.176	0.54	18.2	9.4	0.77	658	1.22	
04532	0.43	171	5.32	4.66	0.11	0.40	0.10	0.376	0.47	21.8	14.0	0.87	615	1.05	
04533	0.37	49.1	2.93	2.31	0.06	0.53	0.12	0.068	0.38	16.4	6.1	0.90	1260	12.3	
04534	0.38	116	5.86	6.53	0.10	0.40	0.10	0.137	0.37	27.2	32.0	2.08	1070	3.72	
04535	0.42	4940	2.05	2.66	<0.05	0.05	0.12	0.437	0.46	4.3	1.6	0.25	3800	125	
04536	0.44	43.3	3.17	4.03	0.08	0.44	0.02	0.016	0.39	22.7	22.1	1.18	512	6.23	
04537	0.32	120	3.93	2.17	0.07	0.44	0.05	0.021	0.29	12.9	7.0	0.54	259	13.2	
04538	0.43	59.4	3.44	2.39	0.07	0.73	0.11	0.039	0.32	16.4	8.4	0.47	254	10.3	
04539	0.18	1070	14.2	20.4	0.16	0.16	0.09	1.51	0.10	17.9	56.3	3.32	2670	1.26	
04540	0.26	279	7.67	7.71	0.14	0.19	0.15	0.449	0.21	18.7	28.4	1.42	1160	0.51	
04541	0.35	428	7.53	6.43	0.12	0.40	0.07	0.460	0.29	18.8	24.6	1.66	2110	2.35	
04542	0.47	144	4.03	2.73	0.08	0.71	0.15	0.083	0.35	22.1	8.1	0.87	534	12.7	
04543	0.35	76.4	2.34	1.78	0.06	0.54	0.07	0.041	0.29	15.2	4.0	0.58	439	8.81	
04544	0.35	1300	7.16	8.80	0.15	0.42	0.05	1.01	0.33	17.3	35.6	2.17	1620	1.62	
04545	0.30	2020	8.77	9.55	0.16	0.37	0.08	1.41	0.28	14.7	40.0	2.57	2250	1.41	
04546	1.43	3450	1.80	2.19	0.05	0.07	3.52	0.817	0.29	5.5	2.0	0.19	692	81.0	
04547	0.18	2200	9.16	5.74	0.10	0.35	0.06	2.02	0.09	11.1	20.1	1.65	1100	2.49	
04548	0.18	1490	7.95	2.53	0.09	0.33	0.03	1.60	0.12	11.6	5.8	1.38	1460	2.90	
04549	0.17	1360	8.20	1.38	0.08	0.37	0.04	1.42	0.10	8.8	1.8	1.61	1030	11.1	
04550	0.18	1020	7.32	2.07	0.08	0.31	0.04	1.60	0.11	9.8	4.6	1.66	1190	2.90	
04551	0.13	889	7.71	5.00	0.09	0.34	0.08	1.71	0.08	8.3	17.6	1.65	1130	7.02	
04552	0.20	2520	8.86	9.58	0.14	0.35	0.05	2.67	0.14	15.0	39.2	2.60	1910	0.60	
04553	0.17	1470	9.22	8.29	0.12	0.32	0.04	1.84	0.15	11.3	32.7	2.13	1940	0.63	
04554	0.20	2280	10.5	9.73	0.14	0.35	0.05	2.19	0.16	11.6	36.2	2.49	2230	0.95	
04555	0.36	234	8.10	6.08	0.13	0.29	0.01	0.532	0.34	18.7	19.9	1.55	1770	1.07	
04556	0.44	717	10.3	3.79	0.14	0.32	0.01	1.71	0.43	22.9	4.2	1.45	2190	0.81	
04557	0.32	>10000	9.64	2.05	0.10	0.29	0.06	5.62	0.31	12.1	0.9	1.09	1430	0.83	

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
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TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04558	0.33	524	9.13	2.81	0.13	0.19	0.02	0.410	0.42	14.9	1.3	1.60	2110	0.35	
04559	0.08	367	19.5	0.50	0.15	0.06	0.04	1.12	0.07	2.4	<0.1	0.05	64	1.03	
04560	0.40	10.8	5.00	2.36	0.06	0.20	<0.01	0.037	0.42	8.4	0.8	1.01	501	0.72	
04561	1.43	5650	2.00	2.29	0.05	0.06	2.34	1.34	0.32	4.8	1.7	0.18	890	49.9	
04562	0.45	29.0	8.69	2.36	0.07	0.33	0.02	0.046	0.42	6.1	0.5	1.40	665	0.73	
04563	0.25	16.2	10.1	1.23	0.07	0.32	0.02	0.046	0.25	3.0	0.2	1.18	837	0.83	
04564	0.34	101	3.71	1.76	0.07	0.28	0.01	0.035	0.35	12.8	0.6	1.00	824	0.56	
04565	0.39	73.8	3.83	1.79	0.06	0.36	0.01	0.025	0.34	12.9	0.6	0.87	951	0.43	
04566	1.43	94.5	6.70	2.03	0.06	0.41	0.03	0.034	0.34	9.2	1.2	0.85	722	0.38	
04567	0.48	66.1	5.59	1.71	0.09	0.32	0.04	0.092	0.29	18.4	1.9	1.48	1070	0.37	
04568	0.37	35.8	4.38	1.62	0.07	0.28	0.05	0.039	0.29	14.9	1.2	1.36	955	0.50	
04569	0.61	51.3	3.83	1.92	0.08	0.24	0.03	0.034	0.26	20.8	1.3	1.25	898	0.40	
04570	0.23	343	7.13	2.05	0.08	0.40	0.06	0.679	0.17	12.6	5.1	1.70	1620	5.78	
04571	0.12	299	6.41	6.23	0.08	0.41	0.08	0.944	0.05	11.6	39.7	2.38	1570	4.04	
04572	0.14	376	7.64	10.3	0.11	0.36	0.06	0.569	0.10	13.2	67.2	2.91	1630	1.68	
04573	0.25	3510	7.99	7.36	0.11	0.36	0.05	6.29	0.21	14.2	30.9	1.69	1590	0.82	
04574	0.13	2230	6.94	7.54	0.08	0.34	0.02	2.53	0.06	13.3	31.2	1.75	1470	1.10	
04575	0.13	3810	10.0	3.47	0.09	0.31	0.06	4.99	0.05	7.5	13.0	1.63	1450	1.59	
04576	1.32	3240	1.74	1.72	<0.05	0.07	3.43	0.792	0.24	5.2	1.5	0.18	660	77.7	
04577	0.22	4620	9.62	4.29	0.10	0.28	0.13	5.03	0.11	9.8	13.3	1.76	1840	1.12	
04578	0.24	>10000	12.4	5.19	0.12	0.39	0.17	9.64	0.11	7.6	24.8	2.11	1750	0.91	
04579	0.22	1430	7.17	1.52	0.08	0.15	0.03	2.04	0.10	10.1	17.1	1.73	1720	1.12	
04580	0.32	509	7.11	1.61	0.09	0.32	0.03	0.688	0.23	14.8	14.0	1.67	1460	0.96	
04581	0.24	966	15.2	1.33	0.14	0.23	0.07	2.76	0.19	8.7	0.9	0.90	1150	0.61	
04582	0.22	640	9.28	1.20	0.08	0.31	0.04	0.582	0.19	8.1	1.7	1.50	1930	1.01	
04583	0.21	92.3	2.56	1.26	<0.05	0.14	0.02	0.121	0.20	13.7	0.7	0.78	1090	1.06	
04584	0.46	101	5.35	2.56	0.06	0.38	0.02	0.109	0.44	14.5	0.9	1.37	1240	0.55	
04585	0.31	27.3	3.04	1.53	<0.05	0.15	0.03	0.102	0.27	14.5	0.8	1.89	1830	0.48	
04586	0.37	69.6	3.80	1.88	<0.05	0.29	0.01	0.045	0.36	13.4	0.9	1.21	986	0.62	
04587	0.34	110	3.52	1.83	<0.05	0.28	0.10	0.379	0.36	12.8	0.7	1.26	1340	0.52	
04588	0.10	886	11.2	9.93	0.11	0.44	0.22	3.54	0.04	7.3	52.5	2.93	2170	0.57	
04589	0.21	614	7.25	8.09	0.12	0.34	0.04	1.29	0.16	9.7	38.9	1.88	1350	0.54	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04590	0.14	2220	12.1	5.30	0.11	0.23	0.14	3.08	0.09	7.5	19.8	1.78	2270	1.28	
04591	0.11	7300	13.5	3.18	0.11	0.29	0.06	4.91	0.06	5.8	8.0	1.31	1330	3.70	
04592	0.13	2040	8.35	6.09	0.10	0.39	0.07	2.28	0.08	6.5	20.5	1.70	1240	1.57	
04593	0.12	2080	9.75	5.03	0.09	0.35	0.08	2.37	0.08	6.3	17.5	1.77	1240	1.33	
04594	0.12	851	7.39	9.73	0.10	0.31	0.04	1.10	0.08	14.8	49.9	2.70	1470	0.61	
04595	0.19	885	9.43	7.74	0.11	0.31	0.03	1.13	0.14	10.0	31.4	2.12	1930	0.85	
04596	0.39	255	7.89	5.16	0.12	0.33	0.01	0.355	0.35	20.4	12.6	1.41	1620	0.95	
04597	0.33	1910	11.2	2.15	0.11	0.35	0.02	2.28	0.30	15.4	1.6	1.67	2720	0.51	
04598	0.29	481	6.28	1.79	0.08	0.30	0.09	0.949	0.30	14.1	1.0	0.98	1350	0.53	
04599	0.32	124	3.78	1.92	0.06	0.26	0.01	0.112	0.34	16.6	0.7	1.42	1610	0.63	
04600	1.32	5540	1.97	1.83	0.05	0.06	2.35	1.25	0.26	4.9	1.4	0.17	873	48.6	
04601	0.24	2.5	9.27	1.24	0.07	0.23	0.03	0.024	0.23	4.0	0.4	0.91	406	0.85	
04602	0.32	92.6	4.57	1.67	<0.05	0.33	0.01	0.050	0.33	9.8	0.5	0.98	654	1.13	
04603	0.34	29.2	3.57	1.99	<0.05	0.24	0.01	0.031	0.35	20.7	0.9	1.23	1240	0.56	
04604	0.47	89.0	4.54	2.26	0.08	0.38	0.04	0.066	0.40	19.8	1.3	1.01	624	0.66	
04605	0.40	110	5.27	2.13	0.08	0.42	0.03	0.061	0.31	17.6	2.4	1.33	692	1.24	
04606	0.43	51.0	3.94	2.50	0.05	0.51	0.02	0.035	0.38	18.8	4.4	0.88	493	1.08	
04607	0.38	112	3.29	2.20	0.07	0.39	0.03	0.099	0.36	23.9	2.0	0.55	281	1.42	
04609	0.41	41.9	6.37	6.46	0.15	0.34	0.02	0.067	0.45	41.2	31.6	1.67	1220	0.47	
04610	0.54	45.4	5.53	4.98	0.15	0.44	0.03	0.100	0.47	47.0	24.2	1.42	917	0.35	
04611	0.39	37.8	3.42	2.70	0.11	0.40	0.03	0.047	0.38	46.6	4.8	1.16	659	1.06	
04612	0.37	44.0	3.95	2.79	0.11	0.38	0.02	0.053	0.39	48.6	5.0	1.36	724	1.11	
04613	0.27	1.2	3.77	2.05	0.11	0.21	0.01	0.037	0.36	34.7	0.9	1.31	627	0.53	
04614	0.35	77.6	3.77	2.71	0.10	0.60	0.01	0.034	0.36	33.3	5.3	1.13	589	0.86	
04615	0.34	72.0	3.50	2.73	0.10	0.49	0.02	0.035	0.34	28.8	4.9	1.09	574	0.90	
04616	0.30	1160	8.69	1.89	0.11	0.59	2.29	1.46	0.27	8.8	1.2	0.29	187	6.51	
04617	0.31	335	4.71	1.99	0.09	0.57	2.06	0.759	0.34	9.0	0.6	0.13	95	6.31	
04618	0.47	1400	10.5	1.81	0.15	0.55	6.68	2.44	0.30	9.3	0.6	0.12	108	6.61	
04619	0.52	34.8	4.80	2.48	0.09	0.38	0.13	0.066	0.35	30.1	6.0	1.47	605	1.26	
04620	0.29	424	5.13	1.80	0.09	0.44	0.22	0.272	0.32	17.5	2.0	0.84	481	1.89	
04621	0.22	4000	23.2	0.86	0.18	0.32	0.30	6.70	0.15	4.6	0.3	0.53	451	28.6	
04622	0.40	213	3.56	2.26	0.06	0.38	0.05	0.211	0.30	18.6	3.6	0.77	368	1.66	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Cs ppm 0.05	Cu ppm 0.1	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.02	Hg ppm 0.01	In ppm 0.005	K % 0.01	La ppm 0.1	Li ppm 0.1	Mg % 0.01	Mn ppm 1	Mo ppm 0.05
04623		0.40	4460	2.04	2.48	<0.05	0.05	0.14	0.427	0.42	4.2	1.3	0.24	3360	122
04624		0.34	387	7.79	1.86	0.08	0.35	0.05	0.568	0.28	12.5	1.2	1.05	778	1.58
04625		0.36	1520	18.5	2.13	0.14	0.48	0.17	1.74	0.20	9.5	1.2	1.54	2260	0.56
04626		0.23	339	12.6	17.2	0.14	0.25	0.07	0.277	0.16	9.3	54.7	4.21	2000	1.00
04627		0.13	551	12.2	13.3	0.10	0.12	0.05	0.446	0.07	4.4	50.5	5.35	2520	1.24
04628		0.16	815	11.2	5.24	0.10	0.25	0.63	2.89	0.17	5.7	19.0	2.15	1780	0.55
04629		0.07	400	9.72	14.8	0.08	0.09	0.02	0.500	0.01	5.5	62.9	7.24	3660	0.87
04630		0.29	363	9.83	13.1	0.13	0.34	0.02	0.541	0.22	8.7	47.4	3.47	2080	1.08
04631		0.20	362	10.1	15.1	0.13	0.24	0.02	0.356	0.18	9.8	64.3	4.59	2390	0.78
04632		0.35	214	7.29	9.89	0.14	0.32	0.02	0.238	0.36	19.0	40.8	2.66	1480	0.51
04633		0.16	420	9.46	7.42	0.06	0.24	0.06	0.272	0.16	3.5	30.0	4.91	5680	0.82
04634		0.15	95.6	7.43	9.76	<0.05	0.15	0.03	0.112	0.13	6.4	40.7	6.22	4570	0.71
04635		0.54	34.0	3.92	4.60	0.17	0.39	0.01	0.023	0.39	60.9	13.1	1.21	1270	0.73
04636		0.61	125	3.82	1.54	0.09	0.60	0.01	0.018	0.23	20.7	0.7	0.86	1590	2.81
04637		0.37	87.8	5.70	4.56	<0.05	0.04	0.02	0.051	0.06	5.8	10.8	4.86	3340	0.85
04638		0.23	177	6.46	6.95	<0.05	0.10	0.02	0.037	0.11	5.3	27.9	6.67	4830	0.82
04639		0.40	238	6.76	3.00	<0.05	0.03	0.04	0.043	0.20	4.3	5.5	4.87	6050	0.93
04640		0.27	27.6	3.91	2.28	0.17	0.14	<0.01	0.018	0.26	17.0	3.3	1.56	2820	0.76
04641		0.40	28.6	3.85	2.56	0.18	0.17	<0.01	0.020	0.33	19.6	2.1	1.32	1850	0.62
04642		0.42	24.5	3.15	2.53	0.18	0.18	<0.01	0.020	0.26	23.5	2.0	1.04	1960	0.62
04643		0.80	39.7	6.11	3.08	0.18	0.32	<0.01	0.025	0.47	22.8	2.3	1.66	2280	0.89
04644		0.19	195	4.76	2.10	0.18	0.26	0.02	0.385	0.37	16.8	1.8	1.06	683	0.71
04645		0.20	611	8.76	2.04	0.18	0.25	0.10	2.18	0.21	8.9	2.4	1.20	1010	0.88
04646		0.23	1010	14.4	2.70	0.21	0.46	0.16	2.04	0.20	9.4	2.5	1.66	1510	0.80
04647		0.25	1620	17.7	1.87	0.22	0.44	0.20	1.97	0.15	7.1	4.0	1.66	2020	1.38
04648		0.27	1820	19.2	2.19	0.23	0.46	0.21	1.71	0.22	8.2	3.5	1.93	2600	1.79
04649		0.07	227	10.4	14.1	0.18	0.04	0.03	0.158	0.01	3.8	67.0	6.52	4260	1.46
04650		0.07	351	13.5	17.5	0.20	0.03	0.06	0.551	<0.01	3.9	84.4	6.74	3890	1.47
04651		0.10	528	9.41	7.70	0.18	0.22	0.17	0.719	0.04	6.7	34.8	2.53	1430	1.62
04652		0.06	822	9.06	8.09	0.19	0.06	0.04	0.532	0.03	1.9	40.5	2.32	1770	2.08
04653		0.22	469	11.9	16.4	0.21	0.15	0.01	0.594	0.20	7.4	83.9	4.44	2550	1.45
04654		0.23	301	10.5	16.7	0.17	0.18	<0.01	0.338	0.25	8.5	84.7	5.66	3080	1.07

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04655	0.22	19.5	3.00	1.63	0.14	0.11	<0.01	0.147	0.29	18.9	1.4	1.48	845	1.04	
04656	0.20	83.1	8.15	12.7	0.14	0.03	<0.01	0.042	0.22	15.2	65.8	4.77	4340	1.17	
04657	0.56	102	4.56	3.06	0.19	0.52	<0.01	0.020	0.36	24.3	8.6	1.07	2140	2.65	
04658	0.34	106	4.79	4.59	0.19	0.27	<0.01	0.029	0.34	16.8	19.2	1.29	1760	1.81	
04659	0.41	115	6.63	4.60	0.19	0.67	<0.01	0.019	0.49	27.0	16.8	1.33	1500	1.42	
04660	0.20	73.4	7.18	9.66	0.11	0.04	<0.01	0.023	0.24	5.4	47.7	4.54	5910	1.33	
04661	0.45	165	5.38	4.85	0.17	0.49	<0.01	0.024	0.44	26.4	18.0	1.44	2670	2.48	
04662	0.18	22.7	6.30	5.45	0.12	<0.02	0.01	0.029	0.13	9.1	16.0	5.33	4890	0.86	
04663	0.30	16.5	2.79	2.28	0.15	0.12	<0.01	0.012	0.30	19.1	1.9	1.05	1450	0.66	
04664	0.28	19.5	2.41	2.31	0.16	0.09	<0.01	0.017	0.29	21.5	2.5	1.06	1770	0.54	
04665	0.29	87.9	4.60	1.84	0.19	0.41	<0.01	0.024	0.32	17.1	1.0	1.04	2120	1.04	
04666	0.34	56.5	3.30	2.35	0.14	0.25	0.03	0.050	0.37	17.1	2.4	1.14	2120	0.80	
04667	1.51	2920	1.83	2.35	0.12	0.06	3.65	0.745	0.31	6.1	2.3	0.19	652	88.7	
04668	0.30	1020	10.6	2.58	0.19	0.49	0.12	1.58	0.32	13.0	2.7	1.48	934	1.63	
04669	0.28	1820	21.3	2.67	0.24	0.41	0.27	4.42	0.23	6.0	2.0	1.06	1390	0.87	
04670	0.22	1320	15.4	2.31	0.22	0.52	0.32	2.86	0.22	7.3	2.0	1.14	1010	0.54	
04671	0.37	1360	16.7	3.12	0.21	0.62	0.17	1.93	0.36	9.7	2.2	1.41	1500	0.78	
04672	0.09	798	11.9	9.97	0.19	0.09	0.01	0.396	0.03	2.5	55.4	3.81	2810	1.27	
04673	0.10	216	14.6	17.2	0.23	0.08	0.38	1.65	0.06	4.9	103	5.03	1760	1.13	
04674	0.30	467	7.81	10.2	0.18	0.41	0.01	0.424	0.40	17.5	49.7	2.34	1400	1.16	
04675	0.28	526	7.77	10.9	0.19	0.36	0.02	0.359	0.34	13.9	52.9	2.36	1400	1.43	
08551	0.14	908	13.0	20.3	0.20	0.12	<0.01	1.08	0.14	6.6	103	5.12	2430	1.13	
08552	0.09	122	9.23	15.2	0.18	0.02	<0.01	0.136	0.08	4.4	80.9	5.84	3500	0.89	
08553	0.35	139	5.09	3.30	0.17	0.69	0.03	0.133	0.41	14.2	9.8	0.83	610	0.41	
08554	0.17	268	12.0	15.6	0.20	0.22	0.04	0.548	0.19	7.8	82.4	3.90	2360	1.13	
08555	0.08	597	12.4	17.4	0.17	0.06	0.10	0.519	0.02	3.0	102	6.24	3350	1.34	
08556	0.14	204	8.29	9.57	0.17	0.16	0.03	0.117	0.19	3.5	53.6	4.64	3170	0.73	
08557	0.44	106	5.07	6.14	0.18	0.52	<0.01	0.044	0.47	32.4	28.1	1.58	1250	1.28	
08558	0.21	80.0	5.95	9.05	0.12	0.09	<0.01	0.037	0.19	12.7	48.5	4.56	1790	0.81	
08559	0.20	115	6.69	8.41	0.10	0.03	<0.01	0.042	0.18	7.8	41.1	4.60	2350	1.09	
08560	0.19	37.9	2.26	1.56	0.11	0.12	<0.01	0.011	0.15	9.8	5.2	1.20	2080	0.62	
08561	0.30	29.0	3.84	3.54	0.14	0.21	<0.01	0.027	0.29	20.9	8.1	1.37	1800	0.66	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
08562	0.22	80.3	6.06	4.34	0.16	0.04	<0.01	0.035	0.16	10.0	19.8	3.87	3010	0.86	
08563	0.44	96.0	5.43	4.73	0.17	0.61	<0.01	0.038	0.41	21.5	17.4	0.96	567	0.55	
08564	0.10	4.5	4.04	1.51	0.16	<0.02	<0.01	0.025	0.03	1.9	5.1	0.80	186	1.25	
08565	0.21	398	8.17	4.13	0.19	0.57	<0.01	0.073	0.39	9.7	14.3	1.33	576	1.02	
08566	0.15	16.8	4.56	5.01	0.16	0.40	<0.01	0.017	0.25	12.6	28.5	1.12	376	0.76	
08567	1.60	5560	2.07	2.50	0.13	0.06	2.39	1.21	0.31	5.5	2.5	0.17	891	58.1	
08568	0.26	75.4	7.14	14.4	0.10	0.04	0.02	0.055	0.13	15.4	75.1	3.43	1510	0.51	
08569	0.22	10.6	5.61	1.17	<0.05	0.02	0.01	0.020	0.14	6.0	2.1	1.73	2270	1.45	
08570	0.11	30.3	4.01	0.71	0.09	0.02	<0.01	0.034	0.05	2.6	2.0	0.24	1890	3.23	
08571	0.31	144	6.79	7.71	0.13	0.08	<0.01	0.033	0.13	16.9	30.5	1.19	1850	0.56	
08572	0.25	118	6.39	3.54	0.07	<0.02	<0.01	0.026	0.14	10.3	15.6	3.31	2140	0.38	
08573	0.10	38.1	1.90	1.12	<0.05	0.05	0.01	0.061	0.07	4.7	4.0	0.80	1040	0.34	
08574	0.32	85.3	5.86	4.80	0.14	0.03	<0.01	0.028	0.14	9.1	28.4	2.00	1370	0.41	
08575	0.09	5.0	2.79	0.39	0.08	0.05	<0.01	0.029	0.07	4.8	0.7	0.13	905	1.58	
08576	0.07	15.9	1.64	0.58	0.13	<0.02	<0.01	0.009	0.05	7.2	1.0	0.10	1180	1.27	
08577	0.22	5.5	2.47	5.10	0.16	0.02	<0.01	0.012	0.24	22.9	20.5	0.48	347	0.76	
08578	0.14	4.6	2.40	3.82	0.14	0.05	<0.01	0.010	0.13	10.9	25.9	0.42	250	2.31	
08579	0.27	58.9	5.47	3.99	0.15	0.05	0.01	0.028	0.18	18.4	14.4	0.35	2330	0.90	
08580	0.12	8520	7.42	21.0	0.15	0.03	0.55	0.050	0.03	18.8	86.5	3.26	2290	0.38	
08581	0.14	47.7	2.24	2.87	0.14	<0.02	0.01	0.016	0.03	5.2	10.9	0.44	458	2.17	
08582	<0.05	1520	14.1	5.74	<0.05	0.13	0.01	0.265	<0.01	13.5	27.3	1.49	3690	0.84	
08583	<0.05	425	8.21	1.28	0.07	0.03	0.03	0.170	0.01	4.9	7.3	2.29	3960	0.27	
08584	0.06	115	6.31	9.94	0.13	0.04	<0.01	0.051	0.08	4.5	34.6	2.40	2330	0.13	
08585	0.12	100	2.83	1.82	0.12	0.03	0.01	0.028	0.15	12.9	5.5	0.51	2040	0.71	
08586	0.28	30.8	2.74	1.85	0.15	0.07	<0.01	0.016	0.24	18.4	2.7	0.16	1370	0.58	
08587	0.27	20.4	2.06	1.88	0.15	0.18	<0.01	0.012	0.20	23.4	2.0	0.06	698	0.75	
08588	0.15	16.0	2.43	1.21	0.18	0.07	<0.01	0.011	0.22	17.9	0.6	0.05	416	0.69	
08589	0.14	18.7	2.38	1.54	0.18	0.10	<0.01	0.015	0.23	21.2	0.6	0.06	613	0.77	
08590	0.21	24.5	2.50	1.40	0.17	0.06	<0.01	0.020	0.30	22.3	0.7	0.04	1250	0.78	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
04526	0.02	0.11	37.6	346	931	20.6	0.003	3.81	14.3	1.4	3.8	9.0	24.9	<0.01	
04527	0.01	0.07	44.7	494	121	23.3	0.008	1.54	1.42	1.7	1.5	1.4	46.0	<0.01	
04528	0.01	0.06	64.2	543	316	21.0	0.015	1.35	2.00	1.6	3.3	0.5	75.6	<0.01	
04529	0.01	<0.05	71.4	537	59.7	15.5	0.020	1.19	2.08	1.2	1.7	0.3	43.9	<0.01	
04530	<0.01	0.06	19.0	118	366	5.2	0.002	1.26	0.97	0.9	1.5	0.5	57.7	<0.01	
04531	0.02	0.20	38.1	555	258	24.6	0.002	2.98	7.84	1.9	1.0	1.7	59.2	0.01	
04532	0.02	0.18	31.8	292	172	23.0	<0.001	1.84	2.70	2.1	1.3	4.6	16.6	0.01	
04533	0.01	<0.05	53.4	613	162	18.3	0.013	1.86	1.26	1.5	1.9	1.3	109	<0.01	
04534	0.01	0.08	40.8	353	50.8	18.7	0.004	1.51	0.88	2.3	1.3	3.1	22.0	<0.01	
04535	0.04	0.17	1.6	342	>10000	13.3	0.102	2.20	24.4	0.9	0.9	1.9	195	<0.01	
04536	0.01	0.08	48.3	537	39.2	18.4	0.007	1.28	0.98	1.6	1.4	0.3	59.0	<0.01	
04537	0.01	0.07	84.0	466	42.6	13.7	0.014	2.59	1.25	1.1	5.0	0.3	27.3	<0.01	
04538	0.01	0.10	84.2	767	61.1	15.5	0.018	1.91	2.09	1.2	8.2	0.6	30.5	<0.01	
04539	<0.01	0.16	9.0	1250	40.8	5.0	<0.001	0.813	0.90	6.4	0.8	6.3	21.6	<0.01	
04540	<0.01	0.24	16.3	192	133	10.8	<0.001	1.05	2.22	2.5	1.1	5.6	7.0	0.01	
04541	0.01	0.11	46.2	321	14.1	16.8	0.003	1.97	1.30	2.4	1.2	7.4	12.2	<0.01	
04542	0.01	0.08	82.5	642	134	17.2	0.015	1.68	1.04	1.5	2.7	1.0	42.8	<0.01	
04543	0.01	0.12	61.0	554	50.1	12.8	0.009	1.31	0.87	1.2	1.5	0.7	58.9	<0.01	
04544	0.05	0.20	32.8	190	232	17.2	<0.001	1.65	0.22	3.1	1.3	28.5	10.4	0.01	
04545	0.05	0.20	35.1	155	402	13.9	<0.001	2.11	0.24	3.3	1.9	30.4	8.5	<0.01	
04546	0.04	0.07	5.6	383	>10000	7.8	0.063	1.74	65.5	0.7	1.1	0.8	511	<0.01	
04547	0.03	0.08	32.2	143	246	4.5	0.007	3.58	0.71	1.8	3.5	10.7	6.0	<0.01	
04548	0.05	0.07	28.3	98	221	6.1	0.005	3.06	0.41	1.7	2.8	6.6	7.0	<0.01	
04549	0.05	0.07	55.7	128	167	5.1	0.020	2.69	0.52	1.6	2.8	5.9	9.5	<0.01	
04550	0.05	0.05	30.3	195	267	5.7	0.008	2.34	0.26	1.5	2.5	5.9	9.5	<0.01	
04551	0.03	0.08	42.7	165	318	4.4	0.016	3.36	0.36	1.7	3.1	8.9	6.5	<0.01	
04552	0.05	0.12	22.1	184	563	7.2	<0.001	2.25	0.23	3.1	2.2	15.5	6.4	<0.01	
04553	0.03	0.18	19.5	138	313	7.4	<0.001	3.27	0.27	2.7	1.5	12.8	5.8	<0.01	
04554	0.04	0.13	24.1	181	441	8.3	<0.001	2.58	0.57	2.5	2.2	14.6	7.5	<0.01	
04555	0.07	0.12	19.2	162	51.6	16.1	<0.001	0.989	0.18	2.4	0.5	5.5	12.9	<0.01	
04556	0.11	0.13	26.2	244	27.5	20.4	<0.001	1.09	0.29	2.3	0.8	6.0	14.3	<0.01	
04557	0.07	0.10	24.7	112	447	13.7	<0.001	3.18	0.42	1.3	3.5	43.2	9.9	<0.01	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
04558	0.10	0.07	26.7	202	32.7	19.5	<0.001	0.652	0.10	2.2	0.5	4.5	13.5	<0.01
04559	0.02	0.29	301	69	65.5	3.3	<0.001	>10	0.83	0.3	14.2	17.0	5.4	<0.01
04560	0.07	0.10	32.9	171	50.5	19.0	<0.001	4.25	0.14	1.6	1.5	1.2	56.6	<0.01
04561	0.04	0.07	1.0	322	>10000	8.3	0.047	2.08	39.7	0.6	1.3	0.9	468	<0.01
04562	0.06	0.11	58.6	731	185	20.4	<0.001	8.24	0.29	2.0	3.5	1.0	76.4	<0.01
04563	0.04	0.12	29.2	759	57.2	11.1	<0.001	9.83	0.17	1.5	4.4	0.4	68.7	<0.01
04564	0.05	<0.05	31.7	252	21.0	14.9	<0.001	1.14	0.10	2.0	0.3	0.3	57.9	<0.01
04565	0.04	0.06	38.3	183	6.1	16.3	<0.001	2.43	0.13	2.0	0.3	0.3	70.7	<0.01
04566	0.04	0.08	38.8	156	9.5	14.7	<0.001	5.32	0.26	2.1	0.8	0.5	60.9	<0.01
04567	0.05	<0.05	47.9	249	25.1	13.4	<0.001	1.70	0.14	2.0	0.2	1.0	22.9	<0.01
04568	0.04	0.07	34.6	177	175	12.4	<0.001	1.25	0.18	1.6	0.3	0.4	29.8	<0.01
04569	0.03	0.06	29.1	180	38.8	12.1	<0.001	0.788	0.16	1.9	<0.2	0.9	28.2	<0.01
04570	0.06	0.06	44.0	279	406	8.9	0.014	3.18	0.90	1.6	2.1	6.6	11.7	<0.01
04571	0.03	<0.05	41.8	369	979	2.6	0.013	2.77	1.06	2.6	1.9	7.1	12.0	<0.01
04572	0.02	0.09	16.8	202	533	5.3	<0.001	2.17	1.28	3.5	1.3	8.8	7.8	<0.01
04573	0.04	0.16	27.7	715	422	11.1	<0.001	2.46	0.75	3.1	3.3	20.2	11.0	<0.01
04574	0.03	0.07	27.3	133	158	3.7	0.004	1.28	0.28	2.8	1.8	10.5	4.7	<0.01
04575	0.03	0.08	27.4	104	375	2.6	0.005	3.98	0.78	2.2	4.8	20.2	6.0	<0.01
04576	0.03	0.06	5.1	373	>10000	6.4	0.062	1.72	63.1	0.6	1.1	0.7	475	<0.01
04577	0.06	0.11	22.5	283	858	5.6	0.001	2.63	2.73	2.6	3.1	23.2	13.3	<0.01
04578	0.02	0.08	21.2	141	2700	5.5	0.002	5.80	3.65	2.2	7.8	69.4	11.0	<0.01
04579	0.04	0.08	16.3	93	307	5.2	<0.001	1.62	0.67	1.7	1.7	12.2	23.4	<0.01
04580	0.05	0.06	30.3	206	98.5	10.4	<0.001	1.01	0.27	2.1	0.8	6.2	15.6	<0.01
04581	0.06	0.13	12.3	43	309	8.8	<0.001	7.90	7.59	1.0	5.9	9.4	7.1	<0.01
04582	0.06	0.08	24.8	100	167	8.6	<0.001	3.92	0.48	1.3	2.5	5.6	34.1	<0.01
04583	0.03	0.06	12.9	140	21.2	9.7	<0.001	0.534	0.17	1.4	0.3	1.3	52.3	<0.01
04584	0.06	0.07	36.2	683	7.5	21.4	<0.001	1.91	0.19	2.5	0.4	1.3	95.3	<0.01
04585	0.03	<0.05	15.4	398	265	13.1	<0.001	0.300	0.23	2.0	0.3	0.6	103	<0.01
04586	0.04	0.07	30.5	398	46.0	15.6	<0.001	1.71	0.11	2.1	0.6	0.7	71.8	<0.01
04587	0.05	0.07	32.1	302	97.6	15.8	<0.001	1.39	0.19	2.2	0.5	1.6	93.4	<0.01
04588	0.03	0.08	22.3	1230	745	2.4	0.001	4.96	0.94	3.7	3.4	14.6	17.0	<0.01
04589	0.03	0.12	18.2	750	376	8.6	<0.001	2.42	1.21	2.8	1.7	11.0	13.1	<0.01

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
04590	0.02	0.10	25.9	147	357	5.1	<0.001	6.69	0.60	2.4	5.0	30.0	5.1	<0.01
04591	0.03	0.10	48.2	59	797	3.0	0.008	9.35	0.40	1.3	9.5	36.5	3.9	<0.01
04592	0.03	0.08	24.4	148	559	4.6	0.003	3.42	0.60	2.3	4.1	12.4	13.3	<0.01
04593	0.04	0.08	20.6	116	564	4.4	0.002	4.65	0.55	2.1	4.5	10.8	13.8	<0.01
04594	0.02	0.09	17.2	135	320	4.3	<0.001	1.31	0.26	3.6	1.0	7.9	8.7	<0.01
04595	0.03	0.08	23.9	211	261	8.4	<0.001	2.54	0.20	2.6	1.6	9.6	7.4	<0.01
04596	0.07	0.11	25.3	308	50.1	16.6	<0.001	0.764	0.26	2.3	0.4	5.2	11.6	<0.01
04597	0.07	0.09	27.0	294	209	13.9	<0.001	1.82	0.32	2.2	2.7	10.0	13.6	<0.01
04598	0.05	0.08	28.2	108	514	14.9	<0.001	2.78	0.21	1.5	1.8	3.9	16.1	<0.01
04599	0.05	0.07	23.3	399	39.1	15.9	<0.001	0.601	0.12	2.0	0.3	1.7	77.9	<0.01
04600	0.03	0.06	0.9	345	>10000	6.9	0.044	2.14	37.3	0.5	1.3	0.8	450	<0.01
04601	0.03	0.11	61.0	294	113	10.5	<0.001	9.71	0.36	1.3	4.0	0.4	48.5	<0.01
04602	0.05	0.07	42.7	160	41.5	14.9	<0.001	3.25	0.16	1.9	0.9	0.4	60.5	<0.01
04603	0.05	0.06	24.2	193	28.4	15.8	<0.001	0.707	0.11	2.3	<0.2	0.4	85.1	<0.01
04604	0.04	0.07	43.6	366	128	17.3	<0.001	1.94	0.21	1.8	0.9	0.7	26.0	<0.01
04605	0.02	0.05	165	328	63.2	14.2	0.003	2.19	0.28	2.1	0.6	1.2	17.4	<0.01
04606	0.03	0.07	146	447	47.2	19.8	0.002	2.66	0.94	1.8	0.4	0.8	22.7	<0.01
04607	0.03	0.09	109	387	79.6	17.1	0.003	1.67	0.35	1.5	0.9	1.4	10.8	<0.01
04609	0.04	0.15	52.8	531	13.0	20.7	<0.001	0.400	0.18	2.4	<0.2	1.0	10.7	<0.01
04610	0.04	0.19	53.7	766	9.7	25.9	<0.001	0.683	0.22	2.7	0.3	1.3	15.5	0.01
04611	0.04	0.10	36.9	428	20.2	21.2	0.001	0.128	0.21	2.0	0.3	0.9	10.3	<0.01
04612	0.04	0.07	34.5	460	17.9	20.3	<0.001	0.113	0.23	2.0	0.2	0.9	11.1	<0.01
04613	0.04	<0.05	20.5	416	2.3	16.8	<0.001	0.029	0.21	1.4	<0.2	0.8	9.1	<0.01
04614	0.04	0.07	35.4	476	7.9	17.3	0.001	0.680	0.29	1.8	0.4	0.5	10.1	<0.01
04615	0.03	0.07	33.6	459	62.6	19.3	<0.001	0.910	0.76	1.8	0.4	1.8	10.7	<0.01
04616	0.02	0.09	33.5	1830	5940	15.3	0.013	7.68	51.4	1.1	9.0	16.4	22.4	<0.01
04617	0.02	0.09	34.5	2040	3850	16.4	0.012	5.24	32.3	1.0	6.4	11.0	22.8	<0.01
04618	0.02	0.12	28.6	485	3790	14.9	0.008	>10	33.3	0.8	9.3	18.4	8.3	<0.01
04619	0.02	0.06	27.3	429	167	16.3	<0.001	1.82	1.23	1.6	0.4	1.9	8.7	<0.01
04620	0.02	0.06	37.9	426	499	13.7	0.002	2.54	1.90	1.5	2.0	2.3	11.7	<0.01
04621	0.02	0.27	35.4	148	1160	7.9	0.011	>10	6.92	0.6	21.8	20.8	4.5	<0.01
04622	0.03	0.08	26.4	496	221	13.9	0.001	1.54	0.51	1.3	1.3	1.7	19.3	<0.01

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
04623	0.03	0.15	1.4	321	>10000	12.3	0.101	2.22	24.4	0.8	0.9	1.8	194	<0.01	
04624	0.06	0.11	28.1	237	123	12.4	<0.001	3.70	0.34	1.7	3.0	3.1	10.7	<0.01	
04625	0.10	0.19	16.3	194	826	9.4	<0.001	>10	1.48	2.1	7.1	8.5	13.4	<0.01	
04626	0.03	0.17	257	632	1430	7.7	0.001	2.13	0.92	16.9	1.4	2.3	21.1	<0.01	
04627	0.03	0.16	211	784	703	3.3	<0.001	1.59	0.53	19.7	1.2	2.2	96.0	<0.01	
04628	0.05	0.08	46.2	159	>10000	7.3	<0.001	6.74	13.3	2.7	9.0	6.4	9.8	<0.01	
04629	<0.01	0.16	436	772	124	0.7	0.001	0.664	0.54	23.4	0.7	0.9	169	<0.01	
04630	0.03	0.20	191	636	400	11.1	<0.001	1.79	0.55	11.5	1.5	2.1	29.3	<0.01	
04631	0.02	0.16	201	578	77.6	9.8	<0.001	1.82	0.28	15.8	1.2	1.7	46.2	<0.01	
04632	0.04	0.21	62.0	492	169	19.0	<0.001	1.06	0.12	4.9	0.5	3.8	12.6	<0.01	
04633	0.02	0.09	427	282	1730	8.0	<0.001	3.80	1.49	11.4	1.8	2.4	153	<0.01	
04634	0.02	0.15	409	348	305	6.3	<0.001	0.658	0.54	16.9	0.5	0.8	185	<0.01	
04635	0.04	0.21	52.8	560	34.6	21.2	<0.001	0.083	0.11	2.9	<0.2	0.4	14.3	0.01	
04636	0.03	0.06	83.4	418	56.5	12.1	0.003	2.31	0.27	1.9	2.4	1.5	29.7	<0.01	
04637	0.10	0.13	236	697	4.6	2.5	<0.001	0.381	0.24	14.5	0.4	<0.2	185	<0.01	
04638	0.01	0.13	646	629	55.8	5.7	<0.001	0.578	1.26	11.5	0.4	<0.2	257	<0.01	
04639	0.04	0.09	382	616	589	11.0	<0.001	1.62	0.98	8.5	0.5	0.6	225	<0.01	
04640	0.09	<0.05	57.8	233	13.7	8.9	<0.001	0.694	0.09	3.3	0.2	0.3	40.0	<0.01	
04641	0.11	<0.05	40.7	235	24.1	12.5	<0.001	0.394	0.09	3.2	<0.2	0.3	25.8	<0.01	
04642	0.09	<0.05	30.0	252	6.8	12.6	<0.001	0.260	0.08	3.1	<0.2	0.3	22.8	<0.01	
04643	0.10	<0.05	49.0	532	8.1	17.0	<0.001	1.39	0.10	3.6	0.3	0.3	19.1	<0.01	
04644	0.07	<0.05	23.6	290	64.1	13.1	<0.001	0.844	0.08	2.3	0.9	1.9	10.3	<0.01	
04645	0.11	0.06	21.5	223	134	8.1	<0.001	3.67	0.13	2.3	3.9	4.1	14.2	<0.01	
04646	0.14	0.12	11.6	174	747	8.0	<0.001	7.43	0.79	3.3	7.8	7.8	16.5	<0.01	
04647	0.05	0.13	28.3	159	1390	6.1	<0.001	>10	1.22	2.5	8.9	6.6	7.9	<0.01	
04648	0.08	0.18	45.1	148	1080	9.0	0.001	>10	0.67	3.1	6.0	6.7	11.8	<0.01	
04649	<0.01	0.12	471	590	1080	0.7	0.001	2.41	1.21	31.3	1.2	1.0	178	<0.01	
04650	<0.01	0.12	459	665	1630	0.2	0.001	3.95	0.67	33.7	3.4	1.1	134	<0.01	
04651	0.05	0.08	82.0	233	2040	1.7	<0.001	4.01	0.63	7.1	2.4	2.0	15.0	<0.01	
04652	<0.01	0.06	444	489	62.1	2.0	<0.001	3.23	0.39	12.2	3.2	0.5	93.5	<0.01	
04653	0.04	0.08	301	691	68.4	9.7	0.001	2.55	0.10	19.0	1.4	1.7	47.2	<0.01	
04654	0.05	0.09	352	725	47.3	11.1	0.001	1.66	0.25	18.5	0.9	1.6	99.7	<0.01	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
04655	0.05	<0.05	9.7	156	14.3	11.9	<0.001	0.167	<0.05	3.0	0.2	0.9	64.0	<0.01	
04656	0.03	0.08	171	992	7.3	11.0	0.001	0.087	0.09	16.3	<0.2	<0.2	140	<0.01	
04657	0.05	<0.05	66.1	350	48.9	14.3	0.004	2.16	0.11	2.5	2.6	0.2	25.8	<0.01	
04658	0.05	<0.05	66.4	464	36.2	14.9	0.002	1.89	0.11	2.9	1.4	<0.2	20.6	<0.01	
04659	0.06	<0.05	90.6	201	27.7	19.5	0.003	3.87	0.31	2.7	1.8	0.2	12.9	<0.01	
04660	0.08	0.08	108	907	32.4	10.6	0.001	1.24	0.14	12.3	0.8	<0.2	156	<0.01	
04661	0.06	<0.05	79.9	204	17.3	18.0	0.003	2.63	0.19	3.1	2.5	0.2	41.8	<0.01	
04662	0.04	0.06	246	711	11.3	6.5	<0.001	0.154	0.17	13.8	0.2	<0.2	232	<0.01	
04663	0.09	<0.05	27.9	297	23.7	13.9	<0.001	0.583	0.06	2.5	<0.2	0.3	36.1	<0.01	
04664	0.10	<0.05	22.0	253	41.8	12.4	<0.001	0.176	<0.05	2.6	<0.2	0.3	39.2	<0.01	
04665	0.06	<0.05	60.0	226	35.6	13.7	0.001	2.46	0.12	2.4	1.2	<0.2	16.4	<0.01	
04666	0.09	<0.05	22.9	278	368	15.5	<0.001	1.23	0.22	2.2	0.4	1.6	32.5	<0.01	
04667	0.04	<0.05	4.9	369	>10000	8.0	0.066	1.83	46.4	0.8	1.3	0.7	533	<0.01	
04668	0.11	0.08	23.4	234	236	11.9	0.002	4.38	0.22	3.4	4.8	5.3	14.5	<0.01	
04669	0.11	0.23	10.9	114	255	9.7	<0.001	>10	1.59	2.0	21.5	10.4	11.1	<0.01	
04670	0.11	0.12	12.9	178	414	9.2	<0.001	9.92	0.83	2.7	10.8	7.9	13.3	<0.01	
04671	0.10	0.17	71.7	261	516	15.7	<0.001	>10	1.03	3.7	8.9	9.7	15.9	<0.01	
04672	0.01	0.10	535	473	426	1.4	<0.001	4.64	0.86	20.1	2.9	1.6	71.7	<0.01	
04673	0.02	0.18	149	713	1540	2.7	0.001	8.22	0.56	20.6	4.3	2.1	43.5	0.01	
04674	0.04	0.08	72.4	258	78.2	15.6	<0.001	1.36	0.20	4.8	1.0	2.3	16.2	<0.01	
04675	0.03	0.07	87.3	553	72.9	15.1	<0.001	1.44	0.20	5.3	1.0	1.5	24.5	<0.01	
08551	0.01	0.16	245	771	107	6.6	0.001	2.97	0.28	25.0	2.4	2.0	52.0	<0.01	
08552	<0.01	0.08	379	621	89.0	3.9	<0.001	0.561	0.24	28.9	0.5	0.5	190	<0.01	
08553	0.03	<0.05	82.4	301	240	17.6	<0.001	2.55	0.79	2.4	0.9	2.4	8.6	<0.01	
08554	0.02	0.09	193	543	435	9.3	<0.001	1.81	0.21	13.1	1.4	1.8	19.9	<0.01	
08555	<0.01	0.15	547	658	391	1.3	0.001	3.61	0.60	25.5	2.3	1.8	135	<0.01	
08556	0.02	0.06	451	439	292	8.3	<0.001	1.85	0.52	13.8	0.8	1.6	139	<0.01	
08557	0.06	<0.05	85.7	374	33.5	22.4	0.002	1.45	0.16	3.9	0.8	0.4	21.0	<0.01	
08558	0.06	0.08	193	638	13.9	9.9	0.001	0.200	0.21	12.6	0.3	<0.2	182	<0.01	
08559	0.09	0.09	191	816	16.8	9.9	0.001	0.526	0.23	14.1	0.6	<0.2	223	<0.01	
08560	0.10	<0.05	23.9	153	10.9	7.3	<0.001	0.977	0.07	2.4	1.2	<0.2	75.2	<0.01	
08561	0.12	<0.05	44.9	227	20.5	13.8	<0.001	0.314	0.08	3.9	0.3	0.3	45.1	<0.01	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
08562		0.09	<0.05	132	683	23.7	7.7	0.001	0.147	0.17	10.4	0.3	<0.2	151	<0.01
08563		0.05	<0.05	57.3	446	12.2	16.7	<0.001	2.14	0.15	3.1	1.0	0.5	15.6	<0.01
08564		<0.01	<0.05	15.5	554	3.3	1.4	<0.001	0.041	<0.05	2.7	<0.2	<0.2	13.9	<0.01
08565		0.05	<0.05	70.6	266	14.6	16.4	<0.001	4.58	0.14	2.8	3.5	1.1	8.2	<0.01
08566		0.02	<0.05	26.4	303	3.8	11.4	<0.001	1.48	0.08	1.9	0.7	0.3	9.0	<0.01
08567		0.04	<0.05	0.8	356	>10000	8.4	0.054	2.19	30.8	0.7	1.6	0.7	475	<0.01
08568		0.03	0.09	111	1090	48.3	6.6	<0.001	0.140	0.10	16.4	0.3	<0.2	387	<0.01
08569		0.01	0.11	11.9	413	9.1	5.8	<0.001	0.150	0.07	4.1	0.2	<0.2	212	<0.01
08570		0.01	0.11	7.8	339	7.4	2.1	<0.001	0.089	<0.05	4.6	<0.2	0.2	148	<0.01
08571		0.09	0.08	12.6	820	3.6	6.3	<0.001	0.091	<0.05	12.1	0.3	<0.2	113	<0.01
08572		0.05	0.10	161	716	4.2	6.1	<0.001	0.152	0.05	10.3	0.2	<0.2	257	<0.01
08573		0.02	0.11	18.1	224	26.5	3.6	<0.001	0.671	0.06	2.1	0.5	0.3	1530	<0.01
08574		0.18	<0.05	18.8	570	5.1	5.7	<0.001	0.102	<0.05	12.2	<0.2	<0.2	294	<0.01
08575		<0.01	0.08	19.5	211	175	3.4	<0.001	0.076	0.28	1.5	<0.2	<0.2	295	<0.01
08576		0.10	0.06	12.7	115	8.2	2.1	<0.001	0.121	0.11	1.2	<0.2	<0.2	27.3	<0.01
08577		0.06	<0.05	18.4	325	13.6	10.8	<0.001	<0.005	<0.05	1.8	<0.2	0.3	20.1	<0.01
08578		0.02	<0.05	20.3	293	4.0	5.3	<0.001	<0.005	<0.05	1.2	<0.2	0.3	10.5	<0.01
08579		0.07	0.06	39.5	354	9.6	8.8	<0.001	0.146	0.18	4.4	0.2	<0.2	43.7	<0.01
08580		0.03	0.09	12.1	1260	4.5	1.3	<0.001	0.091	0.07	14.2	1.8	<0.2	150	<0.01
08581		0.06	<0.05	25.1	463	9.9	1.0	<0.001	0.017	0.07	4.4	<0.2	<0.2	66.6	<0.01
08582		<0.01	0.24	176	186	8.1	0.1	0.001	2.30	<0.05	4.9	0.5	0.6	1190	0.01
08583		<0.01	0.11	8.1	191	11.0	0.3	<0.001	1.56	0.13	1.5	0.4	<0.2	1340	<0.01
08584		0.02	1.97	69.9	509	8.0	2.5	<0.001	0.304	0.21	12.2	0.2	0.3	632	0.02
08585		0.04	0.05	14.9	192	6.3	7.3	<0.001	0.215	0.11	1.9	<0.2	<0.2	176	<0.01
08586		0.03	0.11	22.3	232	3.8	11.2	<0.001	0.066	0.12	2.4	<0.2	<0.2	42.3	<0.01
08587		0.08	0.05	12.9	219	4.5	8.7	<0.001	0.007	<0.05	1.5	<0.2	<0.2	13.1	<0.01
08588		0.02	<0.05	24.5	339	3.0	10.4	<0.001	0.018	0.07	1.4	<0.2	<0.2	12.2	<0.01
08589		0.08	<0.05	12.7	307	7.7	10.0	<0.001	0.073	0.07	2.0	<0.2	<0.2	16.0	<0.01
08590		0.01	<0.05	43.1	291	19.4	15.6	<0.001	0.365	0.09	2.3	<0.2	0.6	7.4	<0.01

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01
Sample Description														
04526	0.04	10.8	0.006	1.75	1.29	18.3	0.96	3.11	578	17.7				
04527	0.03	12.3	<0.005	0.30	2.30	35.5	0.21	4.41	1630	23.4				
04528	0.09	5.9	<0.005	0.21	3.39	61.2	0.21	5.11	692	24.8				
04529	0.04	5.8	<0.005	0.17	3.72	52.3	0.18	4.49	213	21.2				
04530	0.05	1.7	<0.005	0.08	1.01	12.5	0.20	1.66	477	5.6				
04531	0.03	11.1	0.011	0.30	2.64	19.1	0.23	5.04	984	27.1				
04532	0.03	11.6	0.010	0.28	1.72	22.1	0.27	3.47	236	19.0				
04533	0.08	5.4	<0.005	0.22	3.83	42.7	0.15	5.25	306	25.3				
04534	0.03	13.8	0.005	0.24	2.06	36.2	0.13	3.80	287	20.5				
04535	0.85	0.6	0.023	0.17	0.49	20.5	0.29	3.40	>10000	2.0	2.62		1.14	1.48
04536	0.06	11.6	0.006	0.25	2.46	37.1	0.11	4.57	109	20.9				
04537	0.06	4.3	<0.005	0.15	4.16	42.8	0.08	3.65	179	19.9				
04538	0.05	6.5	<0.005	0.11	2.84	27.7	0.22	4.77	249	35.7				
04539	<0.01	2.6	0.013	0.06	0.42	111	0.39	7.70	321	8.5				
04540	<0.01	6.4	0.008	0.14	0.64	30.0	0.38	2.19	377	10.1				
04541	0.04	7.0	<0.005	0.20	2.79	35.5	0.24	3.34	200	20.8				
04542	0.06	11.3	<0.005	0.20	4.16	52.6	0.18	4.80	411	34.5				
04543	0.04	7.7	<0.005	0.16	2.79	31.6	0.31	4.39	165	24.8				
04544	0.04	11.2	0.010	0.14	1.01	35.1	0.83	2.83	1210	17.6				
04545	0.07	6.8	0.009	0.12	0.88	37.5	0.62	2.73	1860	16.5				
04546	5.89	0.9	0.008	3.94	1.21	18.7	0.56	3.92	>10000	1.9	0.734		1.86	1.10
04547	0.11	3.1	<0.005	0.06	2.18	55.3	2.43	2.69	625	17.6				
04548	0.07	3.1	<0.005	0.07	1.75	27.4	0.80	2.40	369	15.0				
04549	0.08	2.8	<0.005	0.04	6.98	36.3	0.34	3.24	541	21.6				
04550	0.07	2.9	<0.005	0.05	3.59	31.4	0.24	2.98	729	15.3				
04551	0.07	2.7	<0.005	0.04	4.36	77.9	0.38	2.91	1620	18.1				
04552	0.12	5.7	0.005	0.08	1.01	35.4	0.27	2.53	1220	14.7				
04553	0.03	4.1	0.005	0.07	1.11	29.9	0.25	2.25	862	14.6				
04554	0.05	5.4	<0.005	0.08	1.40	31.5	0.21	2.64	1040	16.4				
04555	0.02	7.9	<0.005	0.13	1.60	21.5	0.16	2.78	207	16.3				
04556	0.03	13.4	<0.005	0.17	3.53	19.2	0.20	3.70	202	17.4				
04557	0.13	5.6	<0.005	0.18	1.28	13.5	0.26	2.46	848	11.6		1.75		

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

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5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte: Unit: RDL:	Te ppm 0.01	Th ppm 0.1	Ti % 0.005	Tl ppm 0.02	U ppm 0.05	V ppm 0.5	W ppm 0.05	Y ppm 0.05	Zn ppm 0.5	Zr ppm 0.5	Au-FA ppm 0.001	Cu-OL % 0.01	Pb-OL % 0.05	Zn-OL % 0.01	
Sample Description															
04558	0.02	6.1	<0.005	0.16	1.17	15.9	0.21	2.29	288	10.5					
04559	0.60	1.1	<0.005	0.05	0.20	10.2	0.08	0.63	182	2.4	26.4				
04560	0.06	8.0	<0.005	0.15	1.67	12.2	0.18	3.55	19.5	10.7	4.58				
04561	2.32	0.9	0.008	5.81	1.35	17.4	1.56	3.73	>10000	1.7			2.66	1.73	
04562	0.27	5.7	<0.005	0.17	1.48	14.0	0.21	5.13	23.8	17.1	2.36				
04563	0.10	4.6	<0.005	0.09	1.74	11.6	0.20	4.93	30.5	14.6	8.88				
04564	0.02	14.4	<0.005	0.13	1.87	10.9	0.16	4.30	35.2	13.7					
04565	0.01	12.8	<0.005	0.14	3.32	11.6	0.16	4.86	41.9	19.5					
04566	0.01	7.8	<0.005	0.19	22.6	12.8	0.26	3.81	124	18.5					
04567	0.01	8.1	<0.005	0.17	1.62	12.6	0.10	2.90	188	12.9					
04568	0.04	6.7	<0.005	0.18	1.10	11.9	0.07	2.71	498	11.8					
04569	0.01	13.7	<0.005	0.17	1.06	12.3	0.09	2.80	165	10.1					
04570	0.04	3.8	<0.005	0.07	4.77	34.8	0.20	3.48	1490	20.9					
04571	0.03	3.3	<0.005	0.03	3.59	90.7	0.21	3.67	2240	20.6					
04572	0.02	5.6	<0.005	0.18	0.59	35.2	0.14	2.28	752	16.1					
04573	0.13	5.9	0.005	0.12	1.59	27.8	0.24	3.64	1040	15.9					
04574	0.08	4.0	<0.005	0.04	1.56	47.5	0.12	2.29	370	15.3					
04575	0.13	2.9	<0.005	0.03	1.69	33.3	0.13	2.25	1060	14.0					
04576	5.49	0.9	0.007	3.72	1.07	16.4	0.57	3.72	>10000	1.8	0.739		1.92	1.09	
04577	0.17	4.3	<0.005	0.09	1.01	23.7	0.26	2.41	2050	13.1					
04578	0.33	5.4	<0.005	0.09	2.90	35.5	0.20	2.55	3140	16.2		1.10			
04579	0.04	3.4	<0.005	0.05	0.64	13.2	0.18	2.03	337	7.9					
04580	0.04	6.3	<0.005	0.10	1.67	12.6	0.21	2.64	332	13.6					
04581	0.04	7.1	<0.005	0.12	0.96	12.1	0.25	1.60	2090	8.5					
04582	0.04	6.3	<0.005	0.09	2.34	11.4	0.28	3.04	628	14.7					
04583	0.01	6.2	<0.005	0.08	1.14	8.4	0.08	4.17	136	6.7					
04584	0.01	13.2	<0.005	0.17	3.00	11.6	0.12	8.19	89.8	20.8					
04585	0.05	7.7	<0.005	0.11	1.32	10.7	0.15	6.20	255	8.0					
04586	0.02	7.9	<0.005	0.13	1.89	11.0	0.15	5.05	47.4	14.1					
04587	0.04	13.2	<0.005	0.14	2.09	10.7	0.11	5.68	1800	14.9					
04588	0.04	3.3	<0.005	0.05	2.03	39.1	0.13	4.65	5470	19.1					
04589	0.04	8.7	<0.005	0.09	1.13	25.1	0.21	3.41	970	15.5					

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

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MISSISSAUGA, ONTARIO  
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TEL (905)501-9998  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04590	0.07	3.0	<0.005	0.11	0.39	24.3	0.17	2.11	3320	9.6					
04591	0.14	1.7	<0.005	0.04	2.48	53.3	0.29	2.11	1120	13.7					
04592	0.07	2.9	<0.005	0.06	1.58	36.3	0.19	2.16	1170	16.2					
04593	0.09	2.7	<0.005	0.05	1.44	32.6	0.23	2.06	1320	14.3					
04594	0.04	5.4	<0.005	0.05	1.09	35.2	0.15	2.17	1030	13.3					
04595	0.04	5.2	<0.005	0.08	1.30	25.6	0.15	2.59	630	13.5					
04596	0.02	7.8	<0.005	0.14	2.07	18.4	0.21	3.42	261	19.1					
04597	0.09	6.3	<0.005	0.13	2.25	14.1	0.24	3.29	430	18.2					
04598	0.05	8.2	<0.005	0.14	1.40	10.1	0.14	2.66	2700	13.7					
04599	0.02	13.0	<0.005	0.13	1.68	10.7	0.13	5.81	205	12.9					
04600	2.73	0.8	0.006	5.67	1.31	16.2	1.53	3.67	>10000	1.8			2.69	1.85	
04601	0.17	3.9	<0.005	0.12	0.81	9.6	0.92	3.54	18.7	8.5	7.59				
04602	0.03	6.9	<0.005	0.12	1.55	9.9	0.15	4.97	27.9	15.3	2.57				
04603	0.01	15.5	<0.005	0.14	1.42	10.1	0.14	5.24	58.0	11.2					
04604	0.04	8.3	<0.005	0.26	1.52	13.1	0.12	3.73	245	16.1					
04605	0.04	7.7	<0.005	0.30	2.26	14.5	0.08	3.11	128	18.6					
04606	0.05	7.7	<0.005	0.30	1.88	13.4	0.09	3.34	62.4	21.0					
04607	0.03	13.4	<0.005	0.27	3.59	10.5	0.11	3.38	287	16.8					
04609	0.03	17.9	0.006	0.22	1.23	22.8	0.22	4.48	163	16.1					
04610	0.02	20.6	0.007	0.28	1.71	19.8	0.32	4.98	238	23.5					
04611	0.05	20.4	<0.005	0.33	1.98	12.0	0.16	4.47	97.6	19.5					
04612	0.05	21.3	<0.005	0.31	1.98	12.3	0.14	4.96	93.8	17.9					
04613	<0.01	19.5	<0.005	0.29	1.41	10.1	0.16	4.14	31.7	9.6					
04614	0.03	15.5	<0.005	0.38	3.08	11.0	0.15	4.64	46.8	25.4					
04615	0.01	14.3	<0.005	0.45	2.79	11.7	0.17	4.49	79.9	22.4					
04616	0.19	4.2	<0.005	4.55	3.67	24.4	1.38	6.01	9296	21.3					
04617	0.04	4.6	<0.005	5.02	8.27	30.5	1.71	5.96	5830	20.7					
04618	0.07	4.4	<0.005	14.0	2.43	21.7	2.75	2.63	8510	20.5					
04619	0.02	17.3	<0.005	0.66	2.62	13.7	0.15	4.05	191	16.4					
04620	0.05	7.7	<0.005	0.51	1.91	11.8	0.21	3.44	934	17.5					
04621	0.26	2.1	<0.005	0.95	1.47	10.8	1.05	1.57	2480	10.4					
04622	0.04	8.5	<0.005	0.45	2.25	13.2	0.16	3.81	264	16.7					

Certified By:



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### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04623	1.01	0.6	0.020	0.16	0.53	17.1	0.28	3.31	>10000	1.9	1.32		1.02	1.31	
04624	0.06	6.2	<0.005	0.11	1.03	12.0	0.23	2.73	1410	14.6	0.614				
04625	0.05	4.9	<0.005	0.09	0.86	15.2	0.14	2.70	7320	18.4					
04626	0.03	3.3	0.011	0.06	1.31	155	0.24	4.19	2540	12.7					
04627	0.11	0.6	0.010	0.03	0.56	148	0.31	8.98	1580	6.9					
04628	0.12	5.8	<0.005	0.08	0.60	28.7	0.11	1.99	>10000	10.2			2.26	2.94	
04629	0.03	0.6	0.013	<0.02	0.12	193	0.32	5.50	367	5.1					
04630	0.05	2.7	0.006	0.07	0.96	109	0.23	4.65	576	16.6					
04631	0.06	3.3	0.010	0.06	1.41	134	0.20	4.05	703	13.3					
04632	0.04	8.1	0.006	0.11	1.06	48.8	0.18	3.84	488	18.5					
04633	0.14	1.6	<0.005	0.07	0.52	76.4	0.12	5.06	2020	12.7					
04634	0.05	2.8	<0.005	0.04	0.53	103	0.19	4.47	851	7.6					
04635	0.06	23.3	0.007	0.12	1.79	15.4	0.22	5.06	87.8	20.2					
04636	0.20	8.2	<0.005	0.07	2.58	9.3	0.12	4.31	78.2	30.7					
04637	0.01	0.9	<0.005	0.03	0.72	83.7	0.74	6.09	61.3	1.6					
04638	0.02	0.4	0.006	0.05	0.92	96.5	0.15	5.83	132	4.2					
04639	0.02	0.4	<0.005	0.11	1.31	56.1	0.24	6.37	1230	2.3					
04640	0.01	13.6	<0.005	0.06	1.44	17.7	0.13	3.35	79.4	6.6					
04641	<0.01	16.0	<0.005	0.09	1.11	15.9	0.11	3.27	129	8.1					
04642	<0.01	18.1	<0.005	0.09	1.25	12.2	0.11	3.70	104	9.8					
04643	0.03	15.7	<0.005	0.11	2.68	15.1	0.16	4.22	98.7	17.4					
04644	0.01	10.8	<0.005	0.11	1.30	13.1	0.13	2.94	1050	13.1					
04645	0.03	5.6	<0.005	0.07	0.71	14.5	0.14	2.30	5000	11.3					
04646	0.01	5.5	<0.005	0.07	0.93	13.7	0.14	2.67	6790	18.2					
04647	0.05	3.9	<0.005	0.05	0.83	13.6	0.20	2.24	9020	15.5					
04648	0.08	4.3	<0.005	0.07	0.92	20.1	0.27	2.69	9480	16.5					
04649	0.02	0.4	0.012	0.02	0.75	170	0.29	4.42	1020	2.3					
04650	0.04	0.4	0.011	0.05	0.55	202	0.26	4.40	2580	2.5					
04651	0.04	5.8	0.006	<0.02	0.55	55.3	0.21	2.09	7000	8.9					
04652	0.07	0.9	<0.005	0.04	1.48	77.8	0.24	4.45	1020	3.4					
04653	0.02	2.7	0.007	0.06	1.59	143	0.20	4.10	465	8.7					
04654	0.02	3.0	0.008	0.07	1.56	143	0.23	5.01	364	10.9					

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Mar 14, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04655	<0.01	6.5	<0.005	0.07	0.56	12.7	0.07	6.24	163	5.8					
04656	<0.01	1.5	0.007	0.06	0.56	129	0.20	5.43	177	3.1					
04657	0.10	12.2	<0.005	0.06	2.41	13.8	0.13	3.65	83.5	26.0					
04658	0.07	6.3	<0.005	0.09	1.79	17.8	0.07	3.52	195	17.5					
04659	0.17	13.0	0.006	0.12	2.54	18.8	0.10	3.42	108	35.6					
04660	0.02	0.7	0.009	0.07	0.54	106	0.18	5.40	161	3.0					
04661	0.11	13.7	<0.005	0.11	2.24	18.0	0.09	4.18	95.4	29.2					
04662	<0.01	1.0	<0.005	0.06	0.75	87.5	0.18	6.26	106	0.9					
04663	<0.01	14.2	<0.005	0.09	1.12	12.4	0.08	3.55	56.3	6.4					
04664	0.02	15.8	<0.005	0.08	1.08	13.7	0.08	3.60	94.1	4.5					
04665	0.18	12.0	<0.005	0.08	2.20	9.7	0.08	3.14	70.2	18.5					
04666	0.05	17.1	<0.005	0.10	1.23	12.3	0.11	3.69	1070	12.7					
04667	5.81	0.8	0.007	3.76	1.02	16.9	0.49	4.05	>10000	2.0	0.924		1.96	1.10	
04668	0.07	6.8	<0.005	0.15	1.38	16.8	0.23	3.21	3800	22.5					
04669	0.06	3.2	<0.005	0.19	0.67	16.1	0.20	1.84	>10000	15.8				1.34	
04670	0.02	5.0	<0.005	0.08	1.29	14.1	0.18	2.52	>10000	20.2				1.60	
04671	0.07	5.2	<0.005	0.15	1.11	18.5	0.26	3.03	7400	25.5					
04672	0.05	0.5	0.007	0.06	1.27	115	0.19	2.93	381	4.7					
04673	0.04	0.9	0.009	0.03	0.34	172	0.29	3.54	>10000	4.3				1.84	
04674	0.02	15.7	0.005	0.11	2.05	39.7	0.16	3.27	488	23.8					
04675	0.03	7.7	<0.005	0.10	1.85	46.3	0.17	4.04	712	21.8					
08551	0.04	1.7	0.009	0.05	0.59	184	0.21	4.51	334	6.7					
08552	0.02	0.9	<0.005	0.03	0.27	166	0.18	4.81	310	1.6					
08553	0.05	5.1	<0.005	0.12	2.41	13.2	0.11	2.79	1100	30.8					
08554	0.05	3.8	<0.005	0.07	0.84	112	0.21	2.95	1350	10.8					
08555	0.02	0.5	0.009	0.02	1.15	183	0.23	3.85	3350	3.4					
08556	0.02	1.9	<0.005	0.06	1.02	94.7	0.14	3.68	1160	7.7					
08557	0.05	15.3	0.006	0.14	2.50	26.7	0.11	4.14	282	27.2					
08558	<0.01	3.3	0.009	0.06	0.51	82.8	0.07	5.28	93.6	5.4					
08559	<0.01	1.1	0.008	0.06	0.38	90.7	0.10	6.07	105	2.3					
08560	<0.01	5.9	<0.005	0.04	0.72	12.4	<0.05	3.59	26.1	5.1					
08561	0.01	14.7	<0.005	0.09	1.46	20.3	0.09	4.27	136	11.1					

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01
Sample Description														
08562	0.01	2.1	0.005	0.05	0.59	50.0	0.16	6.12	80.7	2.3				
08563	0.04	12.0	<0.005	0.11	2.38	17.6	0.11	3.66	137	31.4				
08564	<0.01	0.7	<0.005	<0.02	1.04	8.9	<0.05	2.25	18.8	2.1				
08565	0.16	5.9	<0.005	0.11	1.60	18.9	0.25	3.22	79.8	26.8				
08566	0.01	7.2	<0.005	0.07	1.54	20.2	0.11	3.37	72.5	21.3				
08567	3.08	0.7	0.006	5.58	1.12	17.2	1.48	3.96	>10000	1.9			2.52	1.64
08568	<0.01	1.9	0.010	0.04	0.10	143	<0.05	8.96	79.0	1.5				
08569	<0.01	1.3	<0.005	0.03	0.20	19.5	0.07	6.05	50.1	1.8				
08570	<0.01	1.0	<0.005	<0.02	0.29	8.1	0.05	4.31	51.4	1.2				
08571	<0.01	4.4	<0.005	0.03	0.31	97.6	<0.05	4.36	53.8	5.3				
08572	<0.01	1.0	<0.005	0.03	0.21	44.6	<0.05	5.55	45.4	0.5				
08573	<0.01	1.3	<0.005	0.02	0.69	12.3	<0.05	6.43	159	3.2				
08574	<0.01	2.3	<0.005	0.03	0.29	52.4	<0.05	5.21	63.6	1.8				
08575	0.05	1.9	<0.005	0.02	0.51	4.1	0.07	2.69	173	3.5	0.447			
08576	<0.01	4.1	<0.005	<0.02	0.16	4.7	<0.05	1.37	15.6	0.9				
08577	0.02	17.8	<0.005	0.06	0.48	16.1	<0.05	2.76	51.8	1.5				
08578	<0.01	4.1	<0.005	0.03	0.35	11.3	<0.05	2.14	45.1	2.9				
08579	<0.01	6.7	<0.005	0.05	0.34	23.6	<0.05	5.04	81.3	2.9				
08580	0.04	3.2	0.058	<0.02	0.15	175	<0.05	12.9	90.8	1.5				
08581	<0.01	0.6	0.006	<0.02	<0.05	35.2	<0.05	2.83	25.1	0.6				
08582	0.04	3.0	<0.005	<0.02	0.98	16.6	<0.05	13.8	20.9	5.1				
08583	0.02	1.0	<0.005	<0.02	0.46	13.9	<0.05	7.30	10.9	1.9				
08584	<0.01	0.7	0.306	<0.02	0.12	156	<0.05	7.36	37.1	1.3				
08585	<0.01	7.2	<0.005	0.04	0.37	12.2	0.08	3.00	27.5	1.3				
08586	<0.01	12.6	0.013	0.07	0.69	13.4	0.06	3.61	23.4	3.8				
08587	<0.01	17.8	<0.005	0.05	0.69	6.5	0.05	2.91	18.8	8.2				
08588	<0.01	12.3	<0.005	0.07	0.45	5.9	0.08	3.67	27.3	4.0				
08589	<0.01	17.0	<0.005	0.06	0.75	6.1	0.07	3.53	20.8	5.4				
08590	<0.01	18.8	<0.005	0.09	0.58	7.8	0.24	4.93	20.2	3.3				

Comments: RDL - Reported Detection Limit  
Gold (AR-ICPMS) is for exploratory purposes only. Some samples exhibit coarse gold effects. Additional Gravimetric Gold Data provided as per client request - March 14, 2012

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Fire Assay - Ag Ore Grade, Gravimetric finish (202066)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Unit:	RDL:
	Ag	ppm	5
04552			<5
04553			<5
04554			<5
04555			<5
04556			<5
04557			23
04558			<5
04559			<5
04560			<5
04561			10
04562			<5
04563			<5
04564			<5
04565			<5
04566			<5
04567			<5

Comments: RDL - Reported Detection Limit  
Gold (AR-ICPMS) is for exploratory purposes only. Some samples exhibit coarse gold effects. Additional Gravimetric Gold Data provided as per client request - March 14, 2012

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Fire Assay - Au Ore Grade, Gravimetric finish (202064)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Mar 14, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Au-Grav	Au-Grav- check 1	Au-Grav- check 2
	Unit: RDL:	g/t 0.05	g/t 0.05	g/t 0.05
04544		<0.05		
04545		<0.05		
04546		NSS		
04547		<0.05		
04548		<0.05		
04549		0.09		
04550		<0.05		
04551		<0.05		
04552		4.05	1.16	
04553		3.20		
04554		1.06		
04555		3.10	2.51	
04556		0.53		
04557		0.23	0.07	
04558		3.81		
04559		41.4		
04560		5.07		
04561		12.5		
04562		2.76		
04563		5.91	5.49	
04564		1.33		
04565		2.05		
04566		0.76		
04567		7.10	0.69	0.53
04568		<0.05		
04569		<0.05		

Comments: RDL - Reported Detection Limit  
 Gold (AR-ICPMS) is for exploratory purposes only. Some samples exhibit coarse gold effects. Additional Gravimetric Gold Data provided as per client request - March 14, 2012

Certified By:

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis												
RPT Date: Mar 14, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051332	3.86	3.48	10.4%	< 0.01				80%	120%	
Al	1	3051382	0.25	0.26	3.9%	< 0.01	0.364	0.359	101%	80%	120%	
As	1	3051332	78.4	71.6	9.1%	0.9				80%	120%	
Au	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051332	< 5	< 5	0.0%	< 5	6	7.00	85%	80%	120%	
Ba	1	3051382	18	18	0.0%	< 1				80%	120%	
Be	1	3051332	0.123	0.113	8.5%	< 0.05				80%	120%	
Bi	1	3051332	6.54	5.78	12.3%	< 0.01				80%	120%	
Ca	1	3051382	0.99	1.01	2.0%	< 0.01				80%	120%	
Cd	1	3051332	26.2	24.9	5.1%	< 0.01				80%	120%	
Ce	1	3051332	15.0	13.6	9.8%	< 0.01				80%	120%	
Co	1	3051332	21.9	20.1	8.6%	< 0.1	5.8	5.0	116%	80%	120%	
Cr	1	3051382	172	171	0.6%	< 0.5				80%	120%	
Cs	1	3051332	0.101	0.091	10.4%	< 0.05				80%	120%	
Cu	1	3051382	15.9	16.1	1.3%	< 0.1	3880	3800	102%	80%	120%	
Fe	1	3051382	1.64	1.71	4.2%	< 0.01				80%	120%	
Ga	1	3051332	7.70	7.03	9.1%	< 0.05				80%	120%	
Ge	1	3051332	0.18	0.17	5.7%	0.14				80%	120%	
Hf	1	3051332	0.22	0.20	9.5%	< 0.02				80%	120%	
Hg	1	3051332	0.17	0.16	6.1%	< 0.01	1.4	1.3	107%	80%	120%	
In	1	3051332	0.719	0.662	8.3%	< 0.005				80%	120%	
K	1	3051382	0.045	0.044	2.2%	< 0.01				80%	120%	
La	1	3051332	6.7	6.0	11.0%	< 0.1				80%	120%	
Li	1	3051332	34.8	33.0	5.3%	< 0.1				80%	120%	
Mg	1	3051382	0.103	0.105	1.9%	< 0.01				80%	120%	
Mn	1	3051382	1180	1250	5.8%	< 1				80%	120%	
Mo	1	3051332	1.62	1.54	5.1%	< 0.05	358	380	94%	80%	120%	
Na	1	3051382	0.10	0.11	9.5%	< 0.01				80%	120%	
Nb	1	3051332	0.077	0.065	16.9%	< 0.05				80%	120%	
Ni	1	3051382	12.7	10.3	20.9%	< 0.2	8	7	114%	80%	120%	
P	1	3051382	115	119	3.4%	< 10				80%	120%	
Pb	1	3051332	2040	1880	8.2%	< 0.1				80%	120%	
Rb	1	3051332	1.68	1.50	11.3%	< 0.1	11	13	84%	80%	120%	
Re	1	3051332	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	3051382	0.121	0.123	1.6%	< 0.005	0.91	0.80	113%	80%	120%	
Sb	1	3051332	0.63	0.61	3.2%	< 0.05				80%	120%	
Sc	1	3051332	7.1	6.7	5.8%	< 0.1				80%	120%	
Se	1	3051332	2.4	2.1	13.3%	< 0.2	0.7	0.8	87%	80%	120%	
Sn	1	3051332	1.99	1.84	7.8%	< 0.2				80%	120%	
Sr	1	3051332	15.0	13.5	10.5%	< 0.2	333	290	114%	80%	120%	
Ta	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051332	0.037	0.034	8.5%	< 0.01				80%	120%	
Th	1	3051332	5.78	5.51	4.8%	< 0.1				80%	120%	
Ti	1	3051382	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Mar 14, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Tl	1	3051332	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	3051332	0.55	0.51	7.5%	< 0.05				80%	120%	
V	1	3051382	4.67	4.59	1.7%	< 0.5				80%	120%	
W	1	3051332	0.205	0.190	7.6%	< 0.05				80%	120%	
Y	1	3051332	2.09	1.92	8.5%	< 0.05				80%	120%	
Zn	1	3051382	15.6	15.7	0.6%	< 0.5				80%	120%	
Zr	1	3051332	8.85	8.01	10.0%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051357	1.15	1.14	0.9%	< 0.01				80%	120%	
Al	1	3051283	0.47	0.51	8.2%	< 0.01				80%	120%	
As	1	3051357	78.8	76.6	2.8%	0.7				80%	120%	
Au	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051357	< 5	< 5	0.0%	< 5	6	7.00	85%	80%	120%	
Ba	1	3051283	58	61	5.0%	< 1				80%	120%	
Be	1	3051357	0.26	0.26	0.0%	< 0.05				80%	120%	
Bi	1	3051357	3.28	3.28	0.0%	< 0.01				80%	120%	
Ca	1	3051283	2.59	2.85	9.6%	< 0.01				80%	120%	
Cd	1	3051357	0.373	0.333	11.3%	< 0.01				80%	120%	
Ce	1	3051357	13.8	13.2	4.4%	< 0.01				80%	120%	
Co	1	3051357	58.9	57.3	2.8%	< 0.1	5.5	5.0	110%	80%	120%	
Cr	1	3051257	97.9	95.4	2.6%	< 0.5				80%	120%	
Cs	1	3051357	0.135	0.130	3.8%	< 0.05				80%	120%	
Cu	1	3051257	3810	3730	2.1%	< 0.1	3775	3800	99%	80%	120%	
Fe	1	3051283	9.27	10.1	8.6%	< 0.01				80%	120%	
Ga	1	3051357	20.3	19.5	4.0%	< 0.05				80%	120%	
Ge	1	3051357	0.202	0.207	2.4%	0.10				80%	120%	
Hf	1	3051357	0.117	0.110	6.2%	< 0.02				80%	120%	
Hg	1	3051357	< 0.01	0.01		< 0.01	1	1.1	90%	80%	120%	
In	1	3051357	1.08	1.06	1.9%	< 0.005				80%	120%	
K	1	3051283	0.23	0.25	8.3%	< 0.01				80%	120%	
La	1	3051357	6.6	6.3	4.7%	< 0.1				80%	120%	
Li	1	3051357	103	99.7	3.3%	< 0.1				80%	120%	
Mg	1	3051283	0.911	1.01	10.3%	< 0.01				80%	120%	
Mn	1	3051257	1450	1410	2.8%	< 1				80%	120%	
Mo	1	3051357	1.13	1.02	10.2%	< 0.05				80%	120%	
Na	1	3051283	0.035	0.038	8.2%	< 0.01				80%	120%	
Nb	1	3051357	0.16	0.16	0.0%	< 0.05				80%	120%	
Ni	1	3051257	27.4	25.6	6.8%	< 0.2				80%	120%	
P	1	3051257	104	96	8.0%	< 10				80%	120%	
Pb	1	3051357	107	106	0.9%	0.1				80%	120%	
Rb	1	3051357	6.6	6.5	1.5%	< 0.1	13	13	100%	80%	120%	
Re	1	3051357	0.001	< 0.001		< 0.001				80%	120%	
S	1	3051283	9.71	10.5	7.8%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Mar 14, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Sb	1	3051357	0.277	0.270	2.6%	< 0.05				80%	120%	
Sc	1	3051357	25.0	24.5	2.0%	< 0.1				80%	120%	
Se	1	3051357	2.44	2.35	3.8%	< 0.2	0.8	0.8	100%	80%	120%	
Sn	1	3051357	1.97	1.93	2.1%	< 0.2				80%	120%	
Sr	1	3051357	52.0	51.0	1.9%	< 0.2	339	290	116%	80%	120%	
Ta	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051357	0.04	0.04	0.0%	< 0.01				80%	120%	
Th	1	3051357	1.7	1.7	0.0%	< 0.1	1.2	1.4	85%	80%	120%	
Ti	1	3051257	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	
Tl	1	3051357	0.05	0.05	0.0%	< 0.02				80%	120%	
U	1	3051357	0.59	0.57	3.4%	< 0.05				80%	120%	
V	1	3051257	33.3	38.6	14.7%	< 0.5				80%	120%	
W	1	3051357	0.212	0.194	8.9%	< 0.05				80%	120%	
Y	1	3051357	4.51	3.97	12.7%	< 0.05				80%	120%	
Zn	1	3051257	1060	1050	0.9%	< 0.5				80%	120%	
Zr	1	3051357	6.7	6.2	7.8%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051382	0.02	0.02	0.0%	< 0.01				80%	120%	
Al	1	3051283	0.47	0.51	8.2%	< 0.01				80%	120%	
As	1	3051382	4.77	4.73	0.8%	< 0.1				80%	120%	
Au	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051382	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	3051283	58	61	5.0%	< 1				80%	120%	
Be	1	3051382	0.069	0.063	9.1%	< 0.05				80%	120%	
Bi	1	3051382	0.06	0.06	0.0%	< 0.01				80%	120%	
Ca	1	3051283	2.59	2.85	9.6%	< 0.01				80%	120%	
Cd	1	3051382	0.090	0.098	8.5%	< 0.01				80%	120%	
Ce	1	3051382	16.6	16.2	2.4%	< 0.01				80%	120%	
Co	1	3051382	5.14	5.26	2.3%	< 0.1	5.9	5.0	118%	80%	120%	
Cr	1	3051283	78.3	80.1	2.3%	< 0.5				80%	120%	
Cs	1	3051382	0.066	0.063	4.7%	< 0.05				80%	120%	
Cu	1	3051283	2.5	2.0	22.2%	< 0.1	3957	3800	104%	80%	120%	
Fe	1	3051283	9.27	10.1	8.6%	< 0.01				80%	120%	
Ga	1	3051382	0.58	0.55	5.3%	< 0.05				80%	120%	
Ge	1	3051382	0.130	0.138	6.0%	< 0.05				80%	120%	
Hf	1	3051382	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
Hg	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
In	1	3051382	0.0090	0.0107	17.3%	< 0.005				80%	120%	
K	1	3051283	0.23	0.25	8.3%	< 0.01				80%	120%	
La	1	3051382	7.2	7.0	2.8%	< 0.1				80%	120%	
Li	1	3051382	0.97	0.93	4.2%	< 0.1				80%	120%	
Mg	1	3051283	0.911	1.01	10.3%	< 0.01				80%	120%	
Mn	1	3051283	406	428	5.3%	< 1				80%	120%	
Mo	1	3051382	1.27	1.37	7.6%	< 0.05				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Mar 14, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
Na	1	3051283	0.035	0.038	8.2%	< 0.01				80%	120%	
Nb	1	3051382	0.060	0.053	12.4%	< 0.05				80%	120%	
Ni	1	3051283	61.0	62.2	1.9%	< 0.2				80%	120%	
P	1	3051283	294	288	2.1%	< 10				80%	120%	
Pb	1	3051382	8.19	9.38	13.5%	< 0.1				80%	120%	
Rb	1	3051382	2.11	1.91	10.0%	< 0.1	14	13	104%	80%	120%	
Re	1	3051382	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	3051283	9.71	10.5	7.8%	< 0.005	0.9	0.80	112%	80%	120%	
Sb	1	3051382	0.11	0.11	0.0%	< 0.05				80%	120%	
Sc	1	3051382	1.2	1.2	0.0%	< 0.1				80%	120%	
Se	1	3051382	< 0.2	< 0.2	0.0%	< 0.2	0.7	0.8	87%	80%	120%	
Sn	1	3051382	< 0.2	< 0.2	0.0%	< 0.2				80%	120%	
Sr	1	3051382	27.3	25.9	5.3%	< 0.2	331	290	114%	80%	120%	
Ta	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Th	1	3051382	4.1	4.1	0.0%	< 0.1				80%	120%	
Ti	1	3051283	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	
Tl	1	3051382	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	3051382	0.16	0.16	0.0%	< 0.05				80%	120%	
V	1	3051283	9.6	10.8	11.8%	< 0.5				80%	120%	
W	1	3051382	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Y	1	3051382	1.37	1.38	0.7%	< 0.05				80%	120%	
Zn	1	3051283	18.7	17.4	7.2%	< 0.5				80%	120%	
Zr	1	3051382	0.9	1.3		< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051307	1.77	1.68	5.2%	< 0.01				80%	120%	
Al	1	3051307	5.04	4.99	1.0%	< 0.01				80%	120%	
As	1	3051307	104	107	2.8%	< 0.1				80%	120%	
Au	1	3051307	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051307	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	3051307	64	58	9.8%	< 1				80%	120%	
Be	1	3051307	0.16	0.16	0.0%	< 0.05				80%	120%	
Bi	1	3051307	1.94	1.87	3.7%	< 0.01				80%	120%	
Ca	1	3051307	0.54	0.54	0.0%	< 0.01				80%	120%	
Cd	1	3051307	8.98	9.14	1.8%	< 0.01				80%	120%	
Ce	1	3051307	18.8	16.7	11.8%	< 0.01				80%	120%	
Co	1	3051307	34.8	36.3	4.2%	< 0.1	6	5.0	120%	80%	120%	
Cr	1	3051307	705	699	0.9%	< 0.5				80%	120%	
Cs	1	3051307	0.23	0.22	4.4%	< 0.05				80%	120%	
Cu	1	3051307	339	338	0.3%	< 0.1	3613	3800	95%	80%	120%	
Fe	1	3051307	12.6	12.6	0.0%	< 0.01				80%	120%	
Ga	1	3051307	17.2	16.6	3.6%	< 0.05				80%	120%	
Ge	1	3051307	0.139	0.133	4.4%	< 0.05				80%	120%	
Hf	1	3051307	0.254	0.261	2.7%	< 0.02				80%	120%	



## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)											
RPT Date: Mar 14, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Hg	1	3051307	0.07	0.07	0.0%	< 0.01	1.4	1.3	107%	80%	120%
In	1	3051307	0.277	0.279	0.7%	< 0.005				80%	120%
K	1	3051307	0.16	0.15	6.5%	< 0.01				80%	120%
La	1	3051307	9.29	8.10	13.7%	< 0.1				80%	120%
Li	1	3051307	54.7	55.3	1.1%	< 0.1				80%	120%
Mg	1	3051307	4.21	4.21	0.0%	< 0.01				80%	120%
Mn	1	3051307	2000	1970	1.5%	< 1				80%	120%
Mo	1	3051307	1.00	1.00	0.0%	< 0.05				80%	120%
Na	1	3051307	0.03	0.03	0.0%	< 0.01				80%	120%
Nb	1	3051307	0.17	0.17	0.0%	< 0.05				80%	120%
Ni	1	3051307	257	257	0.0%	< 0.2	8	7	114%	80%	120%
P	1	3051307	632	634	0.3%	< 10				80%	120%
Pb	1	3051307	1430	1400	2.1%	< 0.1				80%	120%
Rb	1	3051307	7.65	6.97	9.3%	< 0.1	11	13	84%	80%	120%
Re	1	3051307	0.001	0.001	0.0%	< 0.001				80%	120%
S	1	3051307	2.13	2.13	0.0%	< 0.005	0.87	0.80	108%	80%	120%
Sb	1	3051307	0.916	0.904	1.3%	< 0.05				80%	120%
Sc	1	3051307	16.9	16.6	1.8%	< 0.1				80%	120%
Se	1	3051307	1.39	1.35	2.9%	< 0.2	0.7	0.8	87%	80%	120%
Sn	1	3051307	2.31	2.22	4.0%	< 0.2				80%	120%
Sr	1	3051307	21.1	19.9	5.9%	< 0.2	333	290	114%	80%	120%
Ta	1	3051307	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3051307	0.03	0.03	0.0%	< 0.01				80%	120%
Th	1	3051307	3.34	3.15	5.9%	< 0.1	1.2	1.4	85%	80%	120%
Ti	1	3051307	0.0108	0.0084	25.0%	< 0.005				80%	120%
Tl	1	3051307	0.059	0.054	8.8%	< 0.02				80%	120%
U	1	3051307	1.31	1.29	1.5%	< 0.05				80%	120%
V	1	3051307	155	154	0.6%	< 0.5				80%	120%
W	1	3051307	0.242	0.266	9.4%	< 0.05				80%	120%
Y	1	3051307	4.19	3.65	13.8%	< 0.05				80%	120%
Zn	1	3051307	2540	2550	0.4%	< 0.5				80%	120%
Zr	1	3051307	12.7	12.0	5.7%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3051332	4.67	4.12	12.5%	< 0.01				80%	120%
Al	1	3051332	2.13	2.02	5.3%	< 0.01				80%	120%
As	1	3051332	72.7	67.0	8.2%	< 0.1				80%	120%
B	1	3051332	< 5	< 5	0.0%	< 5	7.05	7.00	101%	80%	120%
Ba	1	3051332	10	10	0.0%	< 1				80%	120%
Be	1	3051332	0.172	0.162	6.0%	< 0.05				80%	120%
Bi	1	3051332	8.68	6.81	24.1%	< 0.01				80%	120%
Ca	1	3051332	0.342	0.324	5.4%	< 0.01				80%	120%
Cd	1	3051332	27.4	25.1	8.8%	< 0.01				80%	120%
Ce	1	3051332	14.9	14.4	3.4%	< 0.01				80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)											
RPT Date: Mar 14, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
						Lower				Upper	
Co	1	3051332	18.0	16.9	6.3%	< 0.1	5.2	5.0	104%	80%	120%
Cr	1	3051332	198	181	9.0%	< 0.5				80%	120%
Cu	1	3051332	528	511	3.3%	< 0.1	3945	3800	103%	80%	120%
Fe	1	3051332	9.41	8.95	5.0%	< 0.01	1.39	1.31	106%	80%	120%
Ga	1	3051357	14.3	11.5	21.7%	< 0.05				80%	120%
Hg	1	3051332	0.515	0.470	9.1%	< 0.01	1.5	1.3	115%	80%	120%
In	1	3051357	1.42	1.70	17.9%	< 0.005				80%	120%
K	1	3051332	0.04	0.04	0.0%	< 0.01				80%	120%
La	1	3051332	6.3	5.9	6.6%	< 0.1				80%	120%
Li	1	3051332	33.7	31.9	5.5%	< 0.1				80%	120%
Mg	1	3051332	2.53	2.40	5.3%	< 0.01				80%	120%
Mn	1	3051332	1430	1340	6.5%	< 1				80%	120%
Mo	1	3051332	2.19	2.24	2.3%	< 0.05				80%	120%
Na	1	3051332	0.048	0.044	8.7%	< 0.01				80%	120%
Ni	1	3051332	82.0	75.0	8.9%	< 0.2				80%	120%
P	1	3051332	233	217	7.1%	< 10				80%	120%
Pb	1	3051332	1840	1710	7.3%	< 0.1				80%	120%
Rb	1	3051332	4.3	3.7	15.0%	< 0.1	13	13	100%	80%	120%
S	1	3051332	4.01	3.71	7.8%	< 0.005	0.82	0.80	102%	80%	120%
Sb	1	3051332	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3051332	8.5	7.8	8.6%	< 0.1				80%	120%
Se	1	3051332	29.9	35.0	15.7%	< 0.2	0.8	0.8	100%	80%	120%
Sn	1	3051332	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3051332	15.1	16.1	6.4%	< 0.2	288	290	99%	80%	120%
Ta	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3051332	< 0.1	< 0.1	0.0%	< 0.1	1.2	1.4	85%	80%	120%
Ti	1	3051332	0.0057	0.0055	3.6%	< 0.005				80%	120%
Tl	1	3051332	2.79	2.22	22.8%	< 0.02				80%	120%
U	1	3051357	6.06	4.77	23.8%	< 0.05				80%	120%
V	1	3051332	55.3	50.7	8.7%	< 0.5				80%	120%
W	1	3051332	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3051332	2.40	2.24	6.9%	< 0.05				80%	120%
Zn	1	3051332	7000	6500	7.4%	< 0.5				80%	120%
Zr	1	3051332	8.6	7.7	11.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3051357	1.10	1.02	7.5%	< 0.01				80%	120%
Al	1	3051357	5.99	5.91	1.3%	< 0.01				80%	120%
As	1	3051357	79.7	76.4	4.2%	< 0.1				80%	120%
B	1	3051357	21	14		< 5				80%	120%
Ba	1	3051357	47	46	2.2%	< 1				80%	120%
Be	1	3051357	0.25	0.25	0.0%	< 0.05				80%	120%
Bi	1	3051357	8.67	7.05	20.6%	< 0.01				80%	120%
Ca	1	3051357	1.54	1.51	2.0%	< 0.01				80%	120%
Cd	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Mar 14, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
									Lower	Upper		
Ce	1	3051357	13.0	12.0	8.0%	< 0.01				80%	120%	
Co	1	3051357	41.8	39.9	4.7%	< 0.1	5.7	5.0	114%	80%	120%	
Cr	1	3051357	743	709	4.7%	< 0.5				80%	120%	
Cu	1	3051357	908	890	2.0%	< 0.1	3798	3800	99%	80%	120%	
Fe	1	3051357	13.0	12.9	0.8%	< 0.01				80%	120%	
Ga	1	3051357	14.3	11.5	21.7%	< 0.05				80%	120%	
Hg	1	3051357	0.77	0.06		< 0.01				80%	120%	
In	1	3051357	1.42	1.70	17.9%	< 0.005				80%	120%	
K	1	3051357	0.138	0.132	4.4%	< 0.01				80%	120%	
La	1	3051357	5.2	4.9	5.9%	< 0.1				80%	120%	
Li	1	3051357	93.2	89.9	3.6%	< 0.1				80%	120%	
Mg	1	3051357	5.12	4.95	3.4%	< 0.01				80%	120%	
Mn	1	3051357	2430	2360	2.9%	< 1				80%	120%	
Mo	1	3051357	1.88	0.69		< 0.05	349	380	91%	80%	120%	
Na	1	3051357	0.01	0.01	0.0%	< 0.01				80%	120%	
Ni	1	3051357	245	234	4.6%	< 0.2				80%	120%	
P	1	3051357	771	736	4.6%	< 10				80%	120%	
Pb	1	3051357	79.8	76.8	3.8%	< 0.1				80%	120%	
Rb	1	3051357	17.0	15.3	10.5%	< 0.1	12	13	92%	80%	120%	
S	1	3051357	2.97	2.95	0.7%	< 0.005				80%	120%	
Sb	1	3051357	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Sc	1	3051357	26.2	25.0	4.7%	< 0.1				80%	120%	
Se	1	3051357	10.0	9.1	9.4%	< 0.2	0.7	0.8	87%	80%	120%	
Sn	1	3051357	< 0.2	< 0.2	0.0%	< 0.2				80%	120%	
Sr	1	3051357	50.0	47.2	5.8%	< 0.2	331	290	114%	80%	120%	
Ta	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Th	1	3051357	< 0.1	< 0.1	0.0%	< 0.1				80%	120%	
Ti	1	3051357	0.0087	0.0082	5.9%	< 0.005				80%	120%	
Tl	1	3051357	6.40	5.99	6.6%	< 0.02				80%	120%	
U	1	3051357	6.06	4.77	23.8%	< 0.05				80%	120%	
V	1	3051357	184	176	4.4%	< 0.5				80%	120%	
W	1	3051357	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Y	1	3051357	4.61	4.38	5.1%	< 0.05				80%	120%	
Zn	1	3051357	334	321	4.0%	< 0.5				80%	120%	
Zr	1	3051357	8.0	7.8	2.5%	< 0.5				80%	120%	

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

B	1					< 5	6	7.00	85%	80%	120%
Co	1					< 0.1	4.8	5.0	96%	80%	120%
Cu	1					< 0.1	4095	3800	107%	80%	120%
Rb	1					< 0.1	14	13	107%	80%	120%
Se	1					< 0.2	0.7	0.8	87%	80%	120%
Sr	1					< 0.2	331	290	114%	80%	120%
Th	1					< 0.1	1.2	1.4	85%	80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

### Solid Analysis (Continued)

RPT Date: Mar 14, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
									Lower	Upper	
Fire Assay - Ag Ore Grade, Gravimetric finish (202066)											
Ag	1	3051245	16	12		< 5	793	792	100%	80%	120%
Fire Assay - Au Ore Grade, Gravimetric finish (202064)											
Au-Grav	1	3051245	5.91	6.02	1.8%	< 0.05	4.16	4.075	102%	80%	120%
Fire Assay - Au Ore Grade, Gravimetric finish (202064)											
Au-Grav	1	3051232	< 0.05	< 0.05	0.0%	< 0.05		4.075		80%	120%

Certified By:



## Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS

## Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
Cu-OL	MIN-200-12032		AA
Pb-OL	MIN-200-12032		AA
Zn-OL	MIN-200-12032		AA
Au-FA	MIN-200-12006		ICP/OES
Ag	MIN-200-12004		GRAVIMETRIC
Au-Grav			GRAVIMETRIC
Au-Grav-check 1			GRAVIMETRIC
Au-Grav-check 2			GRAVIMETRIC

## **APPENDIX D**

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### **Frank Creek 2011 Drill Logs**

# BARKER MINERALS LTD. DIAMOND DRILL LOG

**Drill Hole No.:** FC-11-01

**Line** \_\_\_\_\_ **Elev.** 999m **Azimuth** 52 **Contractor:** \_\_\_\_\_

**Angle** -60 **System:** \_\_\_\_\_

**UTM** 10U **Length** 44.5m **Logged By:** Adewara Odewande P. Geo.

**Easting** 609781 **Core Size:** BTW **Logged between:** AUG 30-31, 2011

**Northing** 5845788 **Overburden** **Date Started:** 25/08/2011

**Twp** \_\_\_\_\_ **depth:** 3.8m **Date Finished:** 28/08/2011

**Property:** Frank Creek **Sampled by:** JEFF

**Claim No.** Unknown **Province:** BC **Splitting method:** ROCK SAW

**Casing Left:** YES

**Core Stored At:** LIKELY CAMP

Type	Depth	Dip	Azimuth	Mag. Susc.	Type	Depth	Dip	Azimuth	Mag. Susc
Flexit					Flexit				
Single					Single				
Shot					Shot				

\*\*using 19W declination (added to instrument reading)



**DDH FC-11-01 Lithology**

Hole Number:

From	To	Code	From	To	Code	Description
0	3.8	CS/OB				Casing- Overburden
3.8	8.2	VC,BRX,PY,CG,GC				Volcaniclastic and argillite: Grey volcaniclastic and dark grey argillite, mostly fine grained, moderately-heavily fractured, slump breccia with 1-3cm subrounded clasts, stringers, blebs and disseminated pyrite cubes, no traces of oxidation, no fizzing an
			4.5	4.6	GC	Ground Core
			6.7	7	LC	Lost Core
8.2	19.2	S1A,FRA,PY,CS				Graphitic Argillite, dark grey-black, fine grained, moderately-intensely fractured, generally weak, fragile and crumbly, irregular quartz veins/ veinlets at 50-80 deg to CA, up to 3% pyrite blebs and stringers along quartz veins, no traces of oxidation,
19.2	27.05	VC,BRX,PY,CG				Volcaniclastic and argillite: Medium grey, fine-medium grained, moderately fractured, locally crumbly and incompetent, sporadically distributed and irregularly oriented quartz sweats/veinlets, discernable slump breccia with 2mm-4cm subrounded cherty and m
			19.8	20.7	BRX,PY	Slump breccia with 2mm-4cm subrounded clasts with up to 10% disseminated pyrite
27.05	44.5	S1A,FRA,PY				Graphitic Argillite: as previously described, dark grey-black, fine grained, incompetent and intensely fractured, generally weak and crumbly, irregularly distributed quartz veins/ veinlets, up to 2cm x 2cm randomly distributed cubic pyrite crystals, tr ser
		EOH				
			33	44.5	FRA, GPH,PY	Graphitic, incompetent, intensely fractured and crumbly with <2% stringers and disseminated pyrite

### FC-11-01 Sample Descriptions

Hole Number: FC-11-01

Sample #	From	To	Interval	Description
4526	6.05	7.3	1.25	Grey volcanoclastic and dark grey argillite, brecciated, up to 7% pyrite
4527	8	9.14	1.14	Graphitic argillite, <3% quartz veins/veinlets, 3-5% pyrite
4528	9.14	11.03	1.89	Graphitic argillite, <3% quartz veins/veinlets, 3-5% pyrite
4529	15	15.93	0.93	Graphitic argillite, <2% quartz veins/veinlets, 2-3% pyrite
4530	19.15	20.12	0.97	Grey volcanoclastic, brecciated, 7-10% pyrite
4531	20.12	20.7	0.58	Grey volcanoclastic, brecciated, 7-10% pyrite
4532	25.7	26.2	0.5	Grey volcanoclastic, brecciated, <3% pyrite
4533	29.1	29.44	0.34	Grey volcanoclastic, brecciated, 2-3% pyrite
4534	29.8	30.69	0.89	Grey volcanoclastic, brecciated, 3-5% pyrite
4535 standard				PB113
4536	37	37.6	0.6	Graphitic argillite, <1% quartz veins/veinlets, 3-5% cubic pyrite
4537	40.92	41.6	0.68	Graphitic argillite, <1% quartz veins/veinlets, <3% disseminated pyrite

#### QA/QC Samples

Hole ID	Sample No.	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	



DDH FC-11-02 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	3.5	CS/OB				Casing/Overburden
3.5	6.9	S1A,FRA,PY,CS				Graphitic Argillite: Dark grey-black, fine grained, moderately-intensely fractured, locally weak, fragile and crumbly, <1 % irregularly distributed quartz sweats/ veinlets, locally up to 5% blebs and stringers of cubic pyrite, minor rusty red traces of o
			6.0	7.0		3-5% blebs, stringers and cubic pyrite
6.9	16.32	VC,BRX,PY,CG				Volcaniclastic: Medium-dark grey, fine-medium grained, moderately fractured, intensely fractured around upper litho contact, sporadically distributed and irregularly oriented quartz sweats/veinlets, locally bleached, minor interbeds of graphitic argillite
			15.95	16.32	PY,CP	Up to 10% massive pyrite ± chalcopyrite
16.32	23.5	S1A,FRA,PY,CS				Graphitic Argillite: As described between 3.5-6.9m, Dark grey-black, fine grained, moderately-intensely fractured, locally bleached, <1 % irregularly distributed quartz sweats/ veinlets, >2% blebby pyrite, no traces of oxidation, no fizzing and not magn
						EOH

### DDH FC-11-02 Sample Descriptions

Hole  
Number:

Sample #	From	To	Interval	Description
4538	6.0	6.7	0.7	Graphitic argillite, dark grey-black, up to 5% cubic and disseminated pyrite
4539	8.8	9.75	0.9	Volcaniclastic, light grey, <1% quartz sweets and veinlets, 2-3% stringers and disseminated pyrite
4540	13.2	14.0	0.8	Volcaniclastic, light grey, <1% quartz sweets and veinlets, 1-2% stringers and disseminated pyrite
4541	15.8	16.3	0.5	Volcaniclastic, light grey, bleached, <1% quartz sweets and veinlets, up to 5% massive & disseminated pyrite
4542	17.55	18.2	0.6	Graphitic argillite, dark grey-black, 2-3% stringers and disseminated pyrite
4543	18.2	18.75	0.6	Graphitic argillite, dark grey-black, 2-3% stringers and disseminated pyrite

#### QA/QC Samples

Hole ID	Sample No	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	

# BARKER MINERALS LTD. DIAMOND DRILL LOG

**Drill Hole No.:** FC-11-03

**Line** \_\_\_\_\_ **Elev.** 1117m

\_\_\_\_\_

**UTM** 10U  
**Easting** 610492  
**Northing** 5845537

**Twp** \_\_\_\_\_  
**Property:** FRANK CREEK  
**Claim No.** Unknown

**Azimuth** 90

**Angle** -70

**Length** 40.23m

**Core Size:** NQ

**Overburden depth:** 3.6m

**Province:** BC

**Contractor:** \_\_\_\_\_

**System:** \_\_\_\_\_

**Logged By:** Adewara Odewande P.Geo.

**Logged between:** 13-09-11

**Date Started:** \_\_\_\_\_

**Date Finished:** \_\_\_\_\_

**Sampled by:** JEFF

**Splitting method:** ROCK SAW

**Casing Left:** YES

**Core Stored At:** LIKELY

Type	Depth	Dip	Azimuth	Mag. Susc.	Type	Depth	Dip	Azimuth	Mag. Susc
Flexit					Flexit				
Single					Single				
Shot					Shot				

\*\*using 19W declination (added to instrument reading)

### DDH FC-11-03 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	3.6	CS/OB				Casing/Overburden
3.6	7.2	VC,SIA,V3,PY,CP,CG				Volcaniclastic and argillite: Medium-dark grey, fine-medium grained, moderately-heavily fractured, <1% irregularly oriented quartz sweets/veinlets, interbeds of graphitic argillite, <2% disseminated and blebby pyrite cubes, rusty red oxidation around up
			3.6	4.1	PY,CP	Up to 5% massive sulphide stringers
3.6	12.97	SIA,V3,CP				Graphitic Argillite: Dark grey-black, fine grained, moderately fractured, randomly distributed 2-5cm wide white quartz veins at 45deg CA, 5-10% disseminated and stringers of cubic pyrite mostly along swirly chaotic 2-5mm quartz sweets and veins, graphitic
			8.35	8.46	V3,PY	White quartz vein with <1% pyrite: ditto 9.6-9.7m & 10.8-10.9m
12.97	30.8	VC,V3,PY,CP,CG				Volcaniclastic: light-medium grey, fine grained, moderately fractured, 3-5% white and smokey quartz irregularly distributed/oriented, locally up to 20% massive-semi massive, stringers and isolated pyrite cubes ± chalcopyrite, local slump breccia, tr chlo
			21.3	21.4	BRX	volcaniclastic slump breccia with mm to 2cm subrounded clasts
			26.4	26.75	V3,PY	White quartz vein with up to 20% massive-semi massive pyrite ± chalcopyrite
			27.03	28.0	PY	3-5% disseminated and cubic pyrite
30.8	40.23	VC,BRX, PY				Volcaniclastic slump breccia: Medium grey, crumbly, up to 5% cubic pyrite in blebs and stringers, minor siltstone, 2cm wide quartz vein around 39.41m, tr sericite, no fizzing, not magnetic
						EOH

### DDH FC-11-03 Sample Descriptions

Hole Number: FC-11-03

Sample #	From	To	Interval	Description
4544	6.3	7.5	1.2	Metavolcanic, 1-2% pyrite, tr chlorite, sericitic
4545	6.3	7.5	1.2	Duplicate of 4544
4546				STANDARD - PB114
4547	7.6	8.35	0.75	Graphitic argillite, <1% quartz vein, chloritic, 2-3% cubic pyrite
4548	8.62	9.4	0.78	Graphitic argillite, up to 2% quartz vein, chloritic, 2-3% cubic pyrite
4549	9.4	11	1.6	Metavolcanics and Graphitic argillite, up to 4% quartz vein, 3-5% pyrite stringers
4550	11	12.3	1.3	Metavolcanics and Graphitic argillite, up to 2% quartz vein, 2-3% stringers and massive pyrite
4551	12.3	13	0.7	Metavolcanics and Graphitic argillite, up to 2% quartz vein, 1-2% stringers and massive pyrite
4552	13	14.21	1.21	Metavolcanic, <1% quartz vein, up to 3% pyrite stringers
4553	14.9	16.25	1.35	Metavolcanic, <1% quartz vein, up to 2% stringers and massive pyrite
4554	16.25	17.3	1.05	Metavolcanic, <1% quartz vein, up to 2% cubic pyrite
4555	18.95	19.95	1	Metavolcanic, up to 5% white and smokey quartz vein, 2-3% stringers and pyrite cubes
4556	22.4	23.47	1.07	Metavolcanic, up to 2% white and smokey quartz vein, 1-2% pyrite stringers
4557	23.9	24.05	0.15	Metavolcanic, <1% quartz vein, up to 4% stringers of pyrite±chalcopyrite
4558	23.46	25.14	1.68	Metavolcanic, <1% quartz vein, up to 1% pyrite stringers
4559	26.5	26.65	0.15	White quartz vein with up to 50% massive sulphide (py±cp)
4560	26.65	26.8	0.15	Metavolcanic, up to 10% quartz vein, up to 5% pyrite stringers
4561				STANDARD - PB115
4562	27.08	27.25	0.17	Metavolcanic, up to 10% quartz vein, up to 2% pyrite stringers
4563	27.75	27.95	0.2	Metavolcanic with up to 20% massive sulphide
4564	28.73	29.1	0.37	Metavolcanic with up to 2% massive sulphide
4565	29.77	30	0.23	Metavolcanic with up to 2% massive sulphide
4566	33.25	33.4	0.15	Metavolcanic slump breccia with up to 5% cubic pyrite
4567	35.14	36.5	1.36	Metavolcanic slump breccia with up to 3% cubic pyrite
4568	36.67	38.12	1.45	Metavolcanic slump breccia with up to 3% stringers and cubic pyrite
4569	38.12	39.1	0.98	Metavolcanic slump breccia with 1-2% cubic pyrite

#### QA/QC Samples

Hole ID	Sample No.	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	



# BARKER MINERALS LTD. DIAMOND DRILL LOG

**Drill Hole No.: FC-11-04**

Line	_____	Elev.	<u>1126m</u>	Azimuth	<u>90</u>	Contractor:	_____
_____	_____	_____	_____	Angle	<u>-65</u>	System:	_____
UTM	<u>10U</u>			Length	<u>44.84m</u>	Logged By: Adewara Odewande P.Geo.	
Easting	<u>610471</u>			Core Size:	<u>NQ</u>	Logged between:	<u>21-09-11</u>
Northing	<u>5845538</u>			Overburden depth:	<u>2.01m</u>	Date Started:	_____
Twp	_____			Province:	<u>BC</u>	Date Finished:	_____
Property:	<u>FRANK CREEK</u>					Sampled by:	<u>JEFF</u>
Claim No.	<u>Unknown</u>					Splitting method:	<u>ROCK SAW</u>
						Casing Left:	<u>YES</u>
						Core Stored At:	<u>LIKELY</u>

Type	Depth	Dip	Azimuth	Mag. Susc.	Type	Depth	Dip	Azimuth	Mag. Susc.
Flexit					Flexit				
Single					Single				
Shot					Shot				

\*\*using 15W declination (added to instrument reading)

### DDH FC-11-04 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	2.01				CS/OB	Casing- Overburden
2.01	3.7	VC,PY,FRA,CG				Volcaniclastic: Grey, moderately fractured, stringers, blebs and disseminated pyrite cubes, traces of rusty red oxidation, no fizzing and not magnetic, gradational lower litho contact.
3.7	10.15	VC,SIA,V3,PY,CP,CG				Graphitic Argillite and volcaniclastic, light grey-black, fine grained, moderate fractured, relatively strong and not crumbly, randomly distributed wavy quartz veins/ veinlets nearly subvertical to CA, 3-5%stringers and disseminated pyrite cubes ± chalco
10.15	14.6	S1A,V3,PY,FRA,CG				Graphitic Argillite, dark grey-black, fine grained, moderately fractured,<2% irregularly distributed quartz veins/ veinlets, 3-5% blebs and stringers of pyrite cubes mostly along quartz veins, chloritic, trace sericite, no fizzing and not magnetic, grada
14.6	20.2	VC,V3,PY,CP,FRA,CG				Volcaniclastic: Grey, moderately- heavily fractured, up to 3% quartz veins, 1-2% stringers and disseminated pyrite cubes ± chalcopryrite, sericitic, traces of chlorite, no fizzing and not magnetic, gradational lower litho contact.
20.2	25.2	VC,BRX,V3,PY				Volcaniclastic slump breccia: Medium grey-dark grey, weak and locally crumbly, up to 10% white and smokey quartz veins, 3-5% pyrite cubes in blebs and stringers, minor traces of siltstone, sericitic, no fizzing, not magnetic
25.2	44.85	VC,V3,PY,CP,FRA,CG				Volcaniclastic: as previously described, Grey, moderately- heavily fractured, up to 3% white and smokey quartz veins, 1-2% massive, stringers and disseminated pyrite cubes ± chalcopryrite, locally bleached, sericitic, traces of chlorite, no fizzing and
			27.3	27.6	PY,CP	Up to 7 % massive sulphide (pyrite ± chalcopryrite)
44.84	47.85	VC,BRX,V3,PY				Volcaniclastic slump breccia: Similar to previous, Medium grey-dark grey, crumbly, <2% quartz veins, <2% pyrite, minor traces of siltstone, sericitic, no fizzing, not magnetic

EOH

### DDH FC-11-04 Sample Descriptions

Hole Number:

Sample #	From	To	Interval	Description
4570	3.7	5.18	1.48	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% pyrite stringers
4571	5.18	6.95	1.77	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% pyrite stringers
4572	7.25	8.5	1.25	Volcaniclastic, light grey, 3-5% smokey qtz veins, sericitic & chloritic, 3-5%stringers and disseminated pyrite ± chalcopyrite
4573	8.9	10	1.1	Volcaniclastic, light grey, 1-2% smokey qtz veins, sericitic & chloritic, minor argillite, 3-5%stringers, cubic and disseminated pyrite ± chalcopyrite
4574	10.1	12	1.9	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% stringers and cubic pyrite
4575	12.68	14.5	1.82	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% stringers and cubic pyrite ± chalcopyrite
4576	STANDARD			PB116
4577	15.85	17.41	1.56	Volcaniclastic, light grey, 2-3% white & smokey qtz veins, sericitic & chloritic, 3-5%stringers and disseminated pyrite ± chalcopyrite
4578	17.41	18.5	1.09	Volcaniclastic, light grey, <1% qtz veins, sericitic & chloritic, 3-5%stringers, massive and disseminated
4579	22.5	23.39	0.89	Volcaniclastic slump breccia, up to 10% white & smokey quartz vein, 3-5% disseminated and massive pyrite ± chalcopyrite
4580	24.1	25.5	1.4	Volcaniclastic slump breccia, up to 3% white & smokey quartz vein, 2-3% disseminated and massive pyrite ± chalcopyrite
4581	27.3	27.6	0.3	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 7% stringers and massive and pyrite ± chalcopyrite
4582	31.5	32	0.5	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite ± chalcopyrite
4583	32.5	33.8	1.3	Volcaniclastic, light grey, up to 3% white & smokey quartz vein, 2-3% stringers and disseminated and pyrite
4584	34.55	34.95	0.4	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite
4585	38.88	40.12	1.24	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite
4586	40.5	40.95	0.45	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chloritic, up to 3% cubic and disseminated pyrite
4587	42.75	44.25	1.5	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% cubic and disseminated pyrite



### DDH FC-11-05 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	1.27	CS/OB				Casing- Overburden
1.27	2.4	S1A,GPH,PY,CG				Graphitic argillite: dark grey-black, reddish iron oxidation along slaty cleavages, graphitic, up to 5% blebs and stringers of pyrite, no fizzing, not magnetic, gradational lower litho contact
2.4	8.43	VC,V3,PY,CP,CG				Volcaniclastic: med grey-dark grey, up to 1% smokey quartz vein, tr chlorite and sericite, minor graphitic argillite, 3-5% disseminated, stringers and massive sulphide (pyrite±chalcopyrite), traces of crenulated cleavage, no traces of iron oxidation, no
			6.5	7	PY,CP	up to 10% stringers and massive sulphide (pyrite±chalcopyrite)
8.43	14.2	S1A,V3,GPH,PY,CG				Graphitic argillite: similar to previous but no iron oxidation, dark grey-black, graphitic, <1% quartz vein, 2-3% disseminated, isolated cubes and stringers of pyrite, no fizzing, not magnetic, gradational lower litho contact
14.2	35.55	VC,V3,PY,CP,CG				Volcaniclastic: as described but not graphitic, med grey-dark grey, up to locally up to 10% white quartz vein, tr chlorite and sericite, 3-5% disseminated, stringers and massive sulphide (pyrite±chalcopyrite), no traces of iron oxidation, no fizzing, g
			29.9	30.6	V3,PY,CP	Up to 15% disseminated and massive sulphide (pyrite±chalcopyrite) in wall rock and white quartz vein
35.55	46.33	VC,BRX,V3,PY,CM				Volcaniclastic slump breccia: medium grey locally weak and crumbly with variably sized clasts, <2% quartz veins, 2-3% disseminated pyrite cubes, chrome mica, minor siltstone, sericitic, no fizzing, not magnetic
			42.2	46.33	CM,PY	tr-1% disseminated pyrite cubes and chrome mica
46.33	54.3	VC,V3,PY,FRA,TLC,S1A				Volcaniclastic with minor argillite, generally light grey in color but appear dark grey-black around the argillite, moderately fractured, locally talcy/chloritic, up to 1% white and smokey quartz vein, sporadically distributed pyrite cubes (<1%), no trace
54.3	59.8	S1A,V3,GPH,PY,CS				Argillite: dark grey-black, locally graphitic, 2-3% white and smokey quartz veins with no discernable orientation to the CA, local 1-2mm biege-white spots? Chlorite rich, <1% stringers and disseminated pyrite, sharp lower litho contact
59.8	67.5	VC,V3,BRX,PY,CP				Volcaniclastic: light grey, competent, <1% smokey quartz veins at 20deg to the CA, up to 7% semi massive, stringers and disseminated pyrite ± chalcopyrite, minor sericite alteration, locally brecciated with variably sized mafic clasts, no fizzing, not mag

### DDH FC-11-05 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
			62.6	63.85	PY,CP	Up to 5% stringers, blebs and disseminated pyrite cubes ± chalcopyrite
67.5	87.5	VC,BRX,V3,PY				Volcaniclastic slump breccia: similar to previous, medium grey generally weak and crumbly with variably sized felsic and mafic clasts, <2% broken up white quartz veins, 2-3% semi massive and disseminated pyrite cubes, sericite alteration, no fizzing, no
			74.36	74.47	PY,CP	Semi massive-massive sulphide zone (pyrite + chalcopyrite)
			81.5	81.7	V3	Crumbly white quartz vein barren of mineralization: ditto 82.25-83m, 83.17-83.4m

### DDH FC-11-05 Sample Descriptions

Hole Number:				
Sample #	From	To	Interval	Description
4588	2.4	2.95	0.55	Volcaniclastic, traces of iron oxidation along fractures, 3-5% stringers and massive sulphide
4589	5.43	6.1	0.67	Volcaniclastic, tr chlorite and sericite, 3-5% stringers and disseminated pyrite
4590	6.1	7.1	1	Volcaniclastic, tr chlorite and sericite, tr graphite, 2-3% massive and disseminated pyrite
4591	10.0	11.0	1	Graphitic argillite, up to 3% quartz vein, 1-2% stringers and disseminated pyrite cubes
4592	11.0	12.85	1.85	Graphitic argillite, <1% quartz vein, tr chlorite, 2-3% massive, stringers and disseminated pyrite cubes
4593	11.0	12.85	1.85	duplicate of 4592
4594	16.1	17.9	1.8	Volcaniclastic, tr chlorite and sericite, tr-1% stringers and disseminated pyrite
4595	18.2	20.08	1.88	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes
4596	20.85	22.4	1.55	Volcaniclastic, up to 5% quartz vein, sericitic, tr chlorite, tr-1% disseminated pyrite
4597	26.05	26.52	0.47	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes
4598	27.0	28.04	1.04	Volcaniclastic, tr chlorite and sericite, up to 2% disseminated pyrite cubes
4599	28.0	29.57	1.53	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes
4600	STANDARAD PB115			
4601	29.9	30.6	0.7	Volcaniclastic, up to 5% quartz vein, tr sericite and chlorite, up to 7% stringers and massive pyrite
4602	31.4	32.2	0.8	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes
4603	34.1	35.28	1.14	Volcaniclastic, vugs of washed out minerals, tr-1% disseminated pyrite cubes
4604	40.0	41.76	1.76	Volcaniclastic slump breccia, tr sericite, 1-2% stringers and disseminated pyrite cubes
4605	42.25	43.4	1.15	Volcaniclastic slump breccia, malachite staining, tr sericite, 1-2% stringers and disseminated pyrite cubes
4606	43.4	44.91	1.51	Volcaniclastic slump breccia, <1% smokey quartz, chrome mica, tr sericite, 1-2% stringers and disseminated pyrite cubes
4607	44.9	46.33	1.42	Volcaniclastic slump breccia, chrome mica, tr sericite, 1-2% stringers and disseminated pyrite cubes
4608	Massive sulphide sample from copper stringer trench, Frank creek with possible high gold content based on Niton XRF analyzer result			
4609	50.9	51.69	0.79	Volcaniclastic, <1% quartz vein, tr sericite and chlorite, up to 1% disseminated pyrite cubes
4610	52.4	54	1.6	Volcaniclastic, <1% quartz vein, tr sericite and chlorite, up to 1% disseminated pyrite cubes
4611	58.2	59.8	1.6	Argillite, locally graphitic, 1-2% smokey and white quartz, 2-3% stringers and disseminated pyrite ± chalcopyrite
4612	58.2	59.8	1.6	duplicate of 4611

**DDH FC-11-05 Sample Descriptions**

Hole Number:

Sample #	From	To	Interval	Description
4613	59.8	60.2	0.4	Volcaniclastic, traces of blue quartz, <1% smokey quartz vein, tr stringers and disseminated pyrite cubes
4614	60.2	62	1.8	Volcaniclastic with minor argillite, <1% smokey quartz vein, up to 1% disseminated pyrite cubes
4615	62.0	62.7	0.7	Volcaniclastic, <1% smokey quartz vein, up to 1% stringers and disseminated pyrite cubes
4616	62.7	63.9	1.2	Volcaniclastic, <1% smokey quartz vein, up to 7% stringers and disseminated pyrite cubes ± chalcopyrite
4617	63.9	64.6	0.7	Volcaniclastic, <1% smokey quartz vein, up to 2% stringers and disseminated pyrite cubes ± chalcopyrite
4618	64.6	65.2	0.6	Volcaniclastic, <1% smokey quartz vein, 3-4% stringers, semi massive and disseminated pyrite cubes ± chalcopyrite
4619	67.0	67.5	0.5	Volcaniclastic with minor argillite, <1% smokey quartz vein, up to 1% disseminated pyrite cubes
4620	68.0	68.85	0.85	Volcaniclastic slump breccia, tr sericite and chlorite alteration, 1-2% stringers and disseminated pyrite cubes
4621	74.36	74.47	0.11	Volcaniclastic with up to 25% semi massive -massive sulphide
4622	74.5	75.4	0.9	Volcaniclastic slump breccia, tr sericite and chlorite alteration, 2-3% stringers and disseminated pyrite cubes
4623	STANDARAD			PB113

**QA/QC Samples**

Hole ID	Sample No.	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	





**DDH FC-11-06 Lithology**

Hole Number:

From	To	Code	From	To	Code	Description
0	1.59	CS/OB				Casing- Overburden
1.59	6.85	VC,FRA,V3,PY,CP,CG				Volcaniclastic: light grey with rusty red iron alteration along fracture, up to 1% smokey-blue quartz vein with vugs of partly leached sulphide mineralization, up to 10% stringers and semi massive to massive sulphide, weak sericite and chlorite alteration
6.85	14.33	VC,S1A,FRA,V3,PY,CP,Zn,CT				Volcaniclastic: similar to previous but with minor interbeds of dark grey-black argillite and no rusty red iron alteration along fracture, white quartz vein at 30 degree to CA between 9.2-9.46m, 2-3% stringers and disseminated pyrite cubes and zinc, weak
			9.2	9.46	V3,PY	White quartz vein with tr-0.5% disseminated pyrite
			9.66	9.9	PY,CP,Zn	up to 3% stringers and disseminated zinc, pyrite ± chalcopyrite
14.33	16.6	S1A,BRX,V3,PY				Argillite: medium grey-dark grey-black, locally brecciated/sheared around upper litho contact, tr graphite, <<1% white quartz veinlets, weak sericite alteration, <1% sporadically distributed pyrite cubes, locally bleached, not magnetic, no fizzing with 10
16.6	25	VC,FRA,V3,PY,CP,Zn,CG				Volcaniclastic: light grey, up to 2% smokey-blue quartz veins and localized blue quartz eye associated with biege alteration?, moderately fractured, <<2% stringers and disseminated pyrite cubes and zinc, weak sericite and chlorite alteration, locally talcy
			16.6	17.8	V3,PY	Blue quartz eye with biege alteration?, <<1% pyrite ± chalcopyrite
25	34.7	S1A,BRX,SHR,V3,PY,Zn,CM,CT				Graphitic Argillite: dark grey-black, locally brecciated/sheared, up to 2% smokey quartz veins with no discernable orientation, weak chlorite and sericite alteration, localized chrome mica around 25.23m and 26.01m, <3% disseminated pyrite cubes, zinc strin
			25.2	25.4	CM	up to 5% green chrome mica (fuschite)
34.7	43.05	VC,FRA,V3,PY,CP,CM,CT				Volcaniclastic: light grey, intensely fractured with localized slump breccia, <1% quartz vein, weak to medium chlorite alteration, weak sericitization, locally sheared, up to 1-2% semi massive, stringers and disseminated pyrite, local chrome mica(fuschite
			34.8	37.5	PY,CP,CM	2-3% semi massive sulphide (py+cp), up to 5% chrome mica
			39.15	39.3	CM	up to 3% green chrome mica (fuschite)

### DDH FC-11-06 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
43.05	47.85	VC,BRX,PY				Volcaniclastic slump breccia: dark grey to black, graphitic, generally weak and almost crumbly, brecciated with variably sized clasts, weak chlorite and sericite alteration, <1% disseminated pyrite cubes, locally bleached, not magnetic, no
						EOH

### DDH FC-11-06 Sample Descriptions

Hole Number:				
Sample #	From	To	Interval	Description
4624	1.7	3.2	1.5	Volcaniclastic, reddish iron oxidation, <2% quartz vein, 5-7 % stringers, disseminated and semi massive sulphide
4625	3.65	5	1.35	volcaniclastic, reddish iron oxidation, <1% quartz vein, 5-7 % stringers, disseminated and semi massive sulphide
4626	7.3	9.15	1.85	Volcaniclastic, <1% smokey quartz, 1-2 % disseminated pyrite cubes, weak chlorite and sericite alteration
4627	9.15	9.54	0.39	Volcaniclastic, up to 30% quartz vein, trace chrome mica (fuschite), up to 1% pyrite ± chalcopyrite
4628	9.54	9.9	0.36	Volcaniclastic, <1% quartz vein, 3-5% zinc + pyrite ± chalcopyrite
4629	16.7	17.66	0.96	Volcaniclastic, up to 3% blue quartz with biege alteration?, <1% pyrite
4630	17.66	19.2	1.54	Volcaniclastic, up to 3 % smokey-blue quartz, 2-3% zinc + pyrite ± chalcopyrite, weak chlorite and sericite alteration
4631	20.42	21.5	1.08	Volcaniclastic, up to 2 % smokey-blue quartz, <2% disseminated pyrite cubes, weak chlorite and sericite alteration
4632	23.47	24.76	1.29	Volcaniclastic, <1% quartz vein, <1% disseminated pyrite cubes, weak chlorite and sericite alteration
4633	25	25.35	0.35	Argillite, 1-2% chrome mica (fuschite), 2-3% pyrite ± chalcopyrite
4634	25.35	26.8	1.45	Argillite, 1-2% chrome mica (fuschite), <1% disseminate pyrite cubes, traces of weak biege alteration?
4635	30.65	32.48	1.83	Argillite, up to 2% smokey quartz, graphitic, <<1% pyrite
4636	33	33.6	0.6	Argillite, up to 1% smokey quartz, graphitic, <<1% pyrite, weak chlorite alteration
4637	36.2	37.7	1.5	Volcaniclastic, <1% quartz vein, up to 5 % chrome mica, up to 10% semi masive sulphide, weak chlorite and sericite alteration
4638	38.82	39.2	0.38	Volcaniclastic, <<1% quartz vein, <1% stringers and disseminated pyrite, weak chlorite alteration
4639	39.2	39.68	0.48	Volcaniclastic, <1% quartz vein, up to 3 % chrome mica, 1-2% stringers and disseminated pyrite, weak sericite alteration
4640	40.25	41	0.75	Volcaniclastic, <1% quartz vein, < 1% disseminated pyrite, weak chlorite and sericite alteration
4641	41	42.33	1.33	Volcaniclastic, <1% quartz vein, < 1% disseminated pyrite, weak chlorite and sericite alteration
4642	41	42.33	1.33	Duplicate of 4641
4643	42.33	43.28	0.95	Volcaniclastic, minor graphitic argillite, <2% disseminated pyrite, weak chlorite and sericite alteration



DDH FC-11-07 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	1.75	CS/OB				Casing- Overburden
1.75	16.85	VC,FRA,BRX,PY,CP,CT				Volcaniclastic: light grey, <2% quartz vein, moderately - heavily fractured, local variably sized breccia/ slump breccia, up to 20% stringers and semi massive sulphide, weak chlorite and sericite alteration, rusty red iron oxidation around 1.75-2.2m (uppe
			2.2	6.71	PY,CP	20-30% semi massive sulphide (pyrite + chalcopyrite)
			14.65	14.93	V3,PY	White quartz vein ± quartz iron carbonate with wallrock fragments and 1-2% disseminated pyrite cubes
16.85	17.35	S1A, GPH,SHR,PY,CG				Argillite: dark grey-black, tr graphite, sheared, tr disseminated pyrite cubes, weak and almost crumbly, weak chlorite alteration, no fizzing with 10% dil HCl, not magnetic, gradational lower litho contact.
17.35	24.2	VC,FRA,PY,CS				Volcaniclastic: similar to previous, no semi massive sulphide but 1-2% blebs, stringers and disseminated pyrite, up to 3% white quartz veins with no discernable orientation to the CA, local graphitic argillite between 19.7-19.9m, light grey, weak chlorite
			19.0	19.35	V3,PY	White quartz vein with <1% disseminated pyrite cubes in the wallrock fragments
24.2	26.5	S1A, GPH,PY,CG				Argillite: similar to previous but with up to 1% white-smokey quartz vein at 40 deg to CA, tr graphite, local greenish alteration around 25.5m, tr disseminated pyrite cubes, relatively competent, weak chlorite alteration, no fizzing with 10% dil HCl, not
26.5	29.5	VC,V3,SHR,GPH,PY				Volcaniclastic: medium grey-dark grey, <1% smokey quartz veins irregularly oriented along the CA, locally sheared around 26.95m, minor graphitic argillite with <<1% disseminated pyrite between 28.65-29.0m, generally distributed 1-2mm wide tan-biege spots?,
29.5	41.1	S1A,V3,FRA,PY,TLC,CS				Argillite: dark grey-black, graphitic, <1% smokey quartz veins, heavily fractured and crumbly, locally up to 3% stringers and disseminated pyrite cubes ± chalcopyrite, weak chlorite and sericite alteration, locally talcy?, no fizzing with 10% dil HCl, no
			37.7	39.8	PY,CP	1-2% srtingers and disseminated pyrite ± chalcopyrite

### DDH FC-11-07 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
41.1	41.9	VC,V3,FRA,PYCS				Volcaniclastic: as previously described, light -medium grey, moderately fractured, tr-1% smokey-blue quartz vein at 45 deg CA, <<1% disseminated pyrite cubes, no fizzing with 10% dil HCl, not magnetic, sharp lower litho contact at 45 deg CA.
41.9	43.6	S1A,V3,FRA,PY,CS				Argillite: dark grey-black, graphitic, 1-2% irregularly oriented smokey-blue quartz veins, moderately-heavily fractured, 1-2% stringers and disseminated pyrite cubes, weak chlorite and sericite alteration, no fizzing with 10% dil HCl, not magnetic, near
43.6	47.0	VC,V3,FRA,PYCS				Volcaniclastic: medium grey-dark grey, locally heavily fractured between 43.8-44.0m and 44.9-46.0m, minor graphitic argillite with up to 20% white quartz veins between 44.35-44.8m, generally tr-<<1% disseminated pyrite but local stringers-semi-massive sul
			46.4	47.0	CM,PY,CP	2-3% chrome mica (fuschite), 3-5% stringer-semi massive sulphide (py+cp)
47	57.7	VC,BRX,S1A,FRA,SHR,PY,CS				Volcaniclastic slump breccia: light -medium grey, local dark grey-black around graphitic argillite injections, locally weak and crumbly, brecciated with variably sized clasts, <<1% quartz veins at 40 deg CA, <1% disseminated pyrite cubes, weak-medium seri
57.7	63.95	S1A,V3,BRX,SHR,GPH,PY,CP,CS				Graphitic Argillite: dark grey-black, moderate fracture, locally sheared, brecciated and crumbly, <<1% quartz vein, 2-3% patchy and disseminated pyrite cubes ± chalcopyrite, weak-medium chlorite alteration, weak sericite alteration, graphitic, no fizzing
63.95	66.1	VC,S1A,PY,CP,Zn				Volcaniclastic: medium-dark grey, <<1% criss crossing quartz vein, minor argillite injections around 64.9m, local zinc stringers around 64m and 64.8m, 1-2% patchy and disseminated pyrite chalcopyrite, weak chlorite and sericite alteration, no fizzing with

EOH

### DDH FC-11-07 Sample Descriptions

Hole Number:

Sample #	From	To	Interval	Description
4644	2.19	3.0	0.8	Volcaniclastic, light grey, <1% quartz vein, 1-2% stringers and disseminated pyrite, weak sericite alteration
4645	3.0	4.0	1.0	Volcaniclastic, light grey, up to 1% quartz vein, 2-3% stringers and disseminated pyrite, weak sericite & chlorite alteration
4646	4.0	5.0	1.0	Volcaniclastic, light grey, up to 2-3% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & chlorite alteration
4647	5.0	6.0	1.0	Volcaniclastic, light grey, up to <<1% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & chlorite alteration
4648	6.0	6.9	0.9	Volcaniclastic, light grey, up to <<1% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & medium chlorite alteration
4649	9.42	11.28	1.9	Volcaniclastic, light grey, up to 1% stringers and disseminated pyrite, weak sericite & chlorite alteration
4650	11.28	11.88	0.6	Volcaniclastic, light grey, locally brecciated, up to 1% stringers and disseminated pyrite ± chalcopyrite, weak sericite & chlorite alteration
4651	13.3	14.2	0.9	Volcaniclastic, light grey, <<1% quartz vein, 2-3% stringers, blebs and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & medium chlorite alteration
4652	19.1	19.45	0.3	Jumbled zone of volcaniclastic, argillite and up to 60% white quartz vein with vugs of dissolved minerals, up to 1% disseminated pyrite cubes
4653	21.1	22.5	1.4	Volcaniclastic, light-medium grey, up to 2% smokey-blue quartz, 1-2% stringers and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & chlorite alteration
4654	22.5	24.2	1.7	Volcaniclastic, light-medium grey, up to 2% smokey-blue quartz, up to 1% stringers and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & chlorite alteration
4655	24.26	24.7	0.4	Argillite, 10-15% white quartz vein, tr disseminated pyrite
4656	29.0	29.5	0.5	Volcaniclastic, light-medium grey, up to 1% smokey-blue quartz vein, << 1% stringers and disseminated pyrite, weak sericite & chlorite alteration
4657	37.8	38.2	0.4	Graphitic argillite, brecciated, sheared, 1-2% pyrite + chalcopyrite, medium sericite and chlorite alteration
4658	38.2	39.0	0.8	Graphitic argillite, brecciated, sheared, 1-2% disseminated pyrite cubes, medium sericite and chlorite alteration
4659	39.0	39.8	0.8	Graphitic argillite, sheared, 1-2% disseminated pyrite cubes, medium sericite and chlorite alteration



**DDH FC-11-07 Sample Descriptions**

Hole Number:

Sample #	From	To	Interval	Description
4660	41.15	41.7	0.6	Volcaniclastic, light-medium grey, <1% blue eye quartz, < 1 %stringers and disseminated pyrite, weak sericite & chlorite alteration
4661	42.1	43.07	1.0	Graphitic argillite, sheared, up to 2 % smokey quartz, 1-2 % disseminated pyrite cubes, medium sericite and chlorite alteration
4662	46.6	47.0	0.4	Volcaniclastic, light grey,<1% white quartz vein, up to 2% chrome mica (fuschite), << 1 % disseminated pyrite, weak sericite alteration
4663	52.85	54.35	1.5	Volcaniclastic, light grey,<1% white quartz vein, tr-1 % disseminated pyrite, weak sericite alteration
4664	55.95	57.0	1.1	Volcaniclastic, light grey,<1% white quartz vein, tr disseminated pyrite, weak sericite alteration
4665	58.25	59.8	1.6	Graphitic argillite, sheared, 1-2 % disseminated and patchy pyrite, medium sericite and chlorite alteration
4666	64.55	65.0	0.5	Volcaniclastic, light-medium grey, <<1% white quartz vein,up to 2% graphitic argillite zone, < 1 % disseminated pyrite cubes, weak sericite & chlorite alteration
4667				Standard- PB114

**QA/QC Samples**

Hole ID	Sample No.	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	



**DDH FC-11-08 Lithology**

Hole Number:						
From	To	Code	From	To	Code	Description
0	1.42	CS/OB				Casing- Overburden
1.42	9.8	VC,V3,FRA,PY,CP,HE,CG				Volcaniclastic: light-medium grey, <1% white quartz veins (chaotic), moderate fracture, rusty red iron oxidation (hematite) between 1.42-2.85m, locally up to 30% blebs, stringers and semi-massive to massive sulphide (pyrite + chalcopyrite, weak chlorite
			5.0	9.8	PY,CP	Up to 30% stringers and semi-massive to massive sulphide (pyrite + chalcopyrite)
9.8	31.0	VC,V3,FRA,PY,CP,PO,Zn,CT				Volcaniclastic: similar to previous but medium to dark grey, up to 5% white + smokey + blue quartz veins/sweats mostly patchy/chaotic with few discernable at 45 deg to CA, moderate fracture, no traces of rusty red iron oxidation (hematite), 2-3% stringer
			10.9	11.2	V3	white quartz vein with no traces of mineralization
			18.5	25.2	PO	<1% weakly magnetic pyrrhotite
			11.3	11.7	PY	1-2% stringers and disseminated pyrite cubes: ditto 27-29.7m
			13.6	13.8	PY,CP	5 to 10% stringers and semi-massive sulphide (pyrite + chalcopyrite): ditto 21.05 -21.1m
			19.95	20.7	PO,PY,Zn	Up to 1% stringers of zinc, pyrrhotite and pyrite
			28.1	28.15	CM	Fracture controlled chrome mica (fuschite) along selvages in host rok and quartz veins
31.0	41.12	S1A,V3,FRA,PY,CS				Graphitic Argillite: dark grey-black, moderate to local intense fracture,<<1% quartz veins, graphitic, <1%patchy and disseminated pyrite cubes, weak-medium chlorite alteration, weak sericite alteration, not magnetic, no fizzing with dil HCl, sharp lower l
41.12	44.1	VC,V3,PY,CS				Volcaniclastic: generally light grey with localized dark grey zone between 43.4-43.75m (siltstone?), <<1% smokey quartz veins/sweats at 40deg to CA, competent, <<1% blebs and disseminated pyrite cubes, weak chlorite and sericite alteration, not magnetic,
44.1	47.9	S1A,V3,FRA,PY,CT				Graphitic Argillite: as previously discribed, dark grey-black, weak and crumbly due to intense fracture, slump breccia, graphitic, tr patchy and disseminated pyrite cubes, weak-medium chlorite alteration, not magnetic, no fizzing with dil HCl, sheared low

**DDH FC-11-08 Lithology**

Hole Number:						
From	To	Code	From	To	Code	Description
47.9	57.4	VC,V3,FRA,CS				Volcaniclastic: light-medium grey, up t 20% white quartz veins with greenish chlorite alteration along contact with wall rock, moderate-intense fracture, localized slump breccia, <1% blebs, stringers and disseminated pyrite cubes, weak sericite alteration
57.4	60.4	S1A,V3,FRA,PY,CS				Graphitic Argillite and volcaniclastic: Dark grey-black graphitic argillite and medium grey volcaniclastic with sharp/distinct contacts at 30-40 deg to CA, moderate fracture, <<1% patchy and disseminated pyrite cubes, weak chlorite and sericite alteration
60.4	64.3	VC,V3,FRA,PY,CS				Volcaniclastic: medium grey with randomly distributed 1-3mm beige-milky sub rounded spots?, <<1% smokey-blue quartz at 40 deg to CA, localized chrome mica (fuschite) around 63.3-63.45m, tr disseminated pyrite cubes, competent, medium chlorite alteration,
64.3	82.8	S1A,V3,FRA,PY,CS				Graphitic Argillite: dark grey-black, graphitic, intensely fractured and crumbly between 6.0-74.45m and thereafter more competent and weakly fractured, white quartz vein with wall rock fragments between 74.45-75.0m, <1% disseminated and patchy pyrite + ch
82.8	83.5	VC,PY,CS				Volcaniclastic: medium grey with up to 1% disseminated pyrite cubes, weak chlorite and sericite alteration, not magnetic, no fizzing with dil HCl, sharp lower lower litho contact at 50 deg to CA
83.5	87.5	S1A,V3,FRA,PY,CS				Graphitic Argillite: dark grey-black, graphitic, up to 4% smokey-blue quartz vein with wall rock fragments between 84.1-84.6m, localized intense fracture between 87.1-87.5m, trace disseminated pyrite ± chalcopyrite, medium chlorite alteration, not magnetic

EOH

### DDH FC-11-08 Sample Descriptions

Hole Number:

Sample #	From	To	Interval	Description
4668	5.0	6.1	1.1	Volcaniclastic, light-medium grey, 2-3% white quartz veins, 5-10% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration
4669	6.1	6.8	0.7	volcaniclastic, light-medium grey, <1% white quartz veins, up to 30% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration
4670	6.8	8.2	1.4	volcaniclastic, light-medium grey, <1% white quartz veins, up to 20% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration
4671	8.2	9.7	1.5	volcaniclastic, light-medium grey, <1% white quartz veins, up to 10% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration
4672	11.3	11.7	0.4	volcaniclastic, light-medium grey, up to 5% white quartz veins, 3-5% stringers and disseminated pyrite cubes, weak chlorite and sericite alteration
4673	13.6	13.8	0.2	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 20% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration
4674	16.4	17.7	1.3	volcaniclastic, light-medium grey, up to 3% smokey-blue quartz veins, up to 1% disseminated pyrite, weak chlorite and sericite alteration
4675	18.7	20.1	1.4	volcaniclastic, light-medium grey, 1-2% smokey-blue quartz veins, up to 1% disseminated pyrite, tr pyrrhotite and zinc stringers, medium chlorite and weak sericite alteration
8551	20.1	21.6	1.5	volcaniclastic, light-medium grey, 1-2% smokey-blue quartz veins, up to 1% disseminated pyrite, tr pyrrhotite and zinc stringers, medium chlorite and weak sericite alteration
8552	21.6	22.5	0.9	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, tr disseminated pyrite, weak chlorite and sericite alteration
8553	24.4	25.2	0.8	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 5% stringers and disseminated pyrite, tr pyrrhotite and zinc stringers, weak chlorite and sericite alteration
8554	25.5	26.1	0.6	volcaniclastic, light-medium grey, <2% smokey-blue quartz veins, <1% disseminated pyrite cubes, weak chlorite and sericite alteration
8555	27.0	28.04	1.0	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 2% stringers and disseminated pyrite, tr zinc stringers, weak chlorite and sericite alteration
8556	28.04	29.75	1.7	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, 1-2% stringers and disseminated pyrite, tr chrome mica (fuschite), weak chlorite and sericite alteration
8557	38.7	39.7	1.0	Volcaniclastic + argilite 50/50, <2% smokey-blue quartz veins, up to 1% stringers and disseminated pyrite, weak chlorite and sericite alteration

**DDH FC-11-08 Sample Descriptions**

Hole Number:

Sample #	From	To	Interval	Description
8558	41.1	42.3	1.2	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, <<1% disseminated pyrite, weak chlorite and sericite alteration
8559	42.3	43.4	1.1	volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, <<1% disseminated pyrite, weak chlorite and sericite alteration
8560	43.4	43.7	0.3	Siltstone? Dark grey, <<1% disseminated pyrite, no discernable alteration
8561	60.9	62.1	1.2	volcaniclastic, medium grey, tr disseminated pyrite, 1-3mm sub rounded biege-milky spots?, weak chlorite and sericite alteration
8562	63.0	64.3	1.3	volcaniclastic, medium grey, <1% smokey-blue quartz, tr disseminated pyrite, tr chrome mica (fuschite), weak chlorite and sericite alteration
8563	74.05	74.2	0.2	Graphitic argillite, dark grey-black with up to 30% smokey-blue quartz, up to 4% pyrite + chalcopyrite, weak chlorite alteration
8564	74.5	75.0	0.5	White quartz vein with wall rock fragments (argillite), weak chlorite alteration
8565	77.6	78.0	0.4	Graphitic argillite with <1% quartz, up to 1-2% patchy pyrite, weak chlorite alteration
8566	82.8	83.5	0.7	volcaniclastic, medium grey, 1-2% disseminated pyrite cubes, weak chlorite and sericite alteration
8567				Standard-PB115

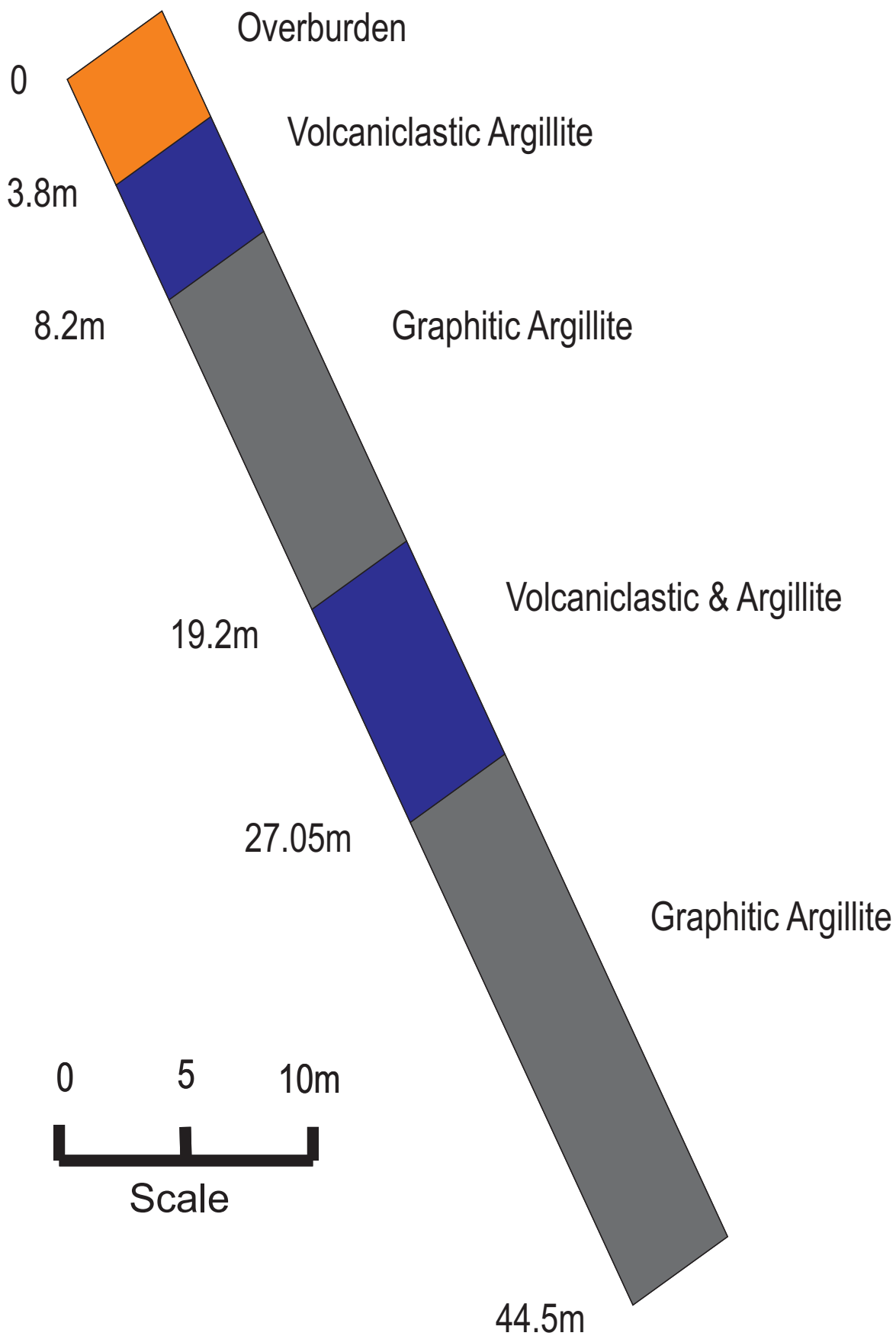
**QA/QC Samples**

Hole ID	Sample No.	Type	Duplicate of
		Blank	
		Standard	
		Duplicates	

## **APPENDIX E**

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### **Frank Creek Project – Drill Hole Sections**

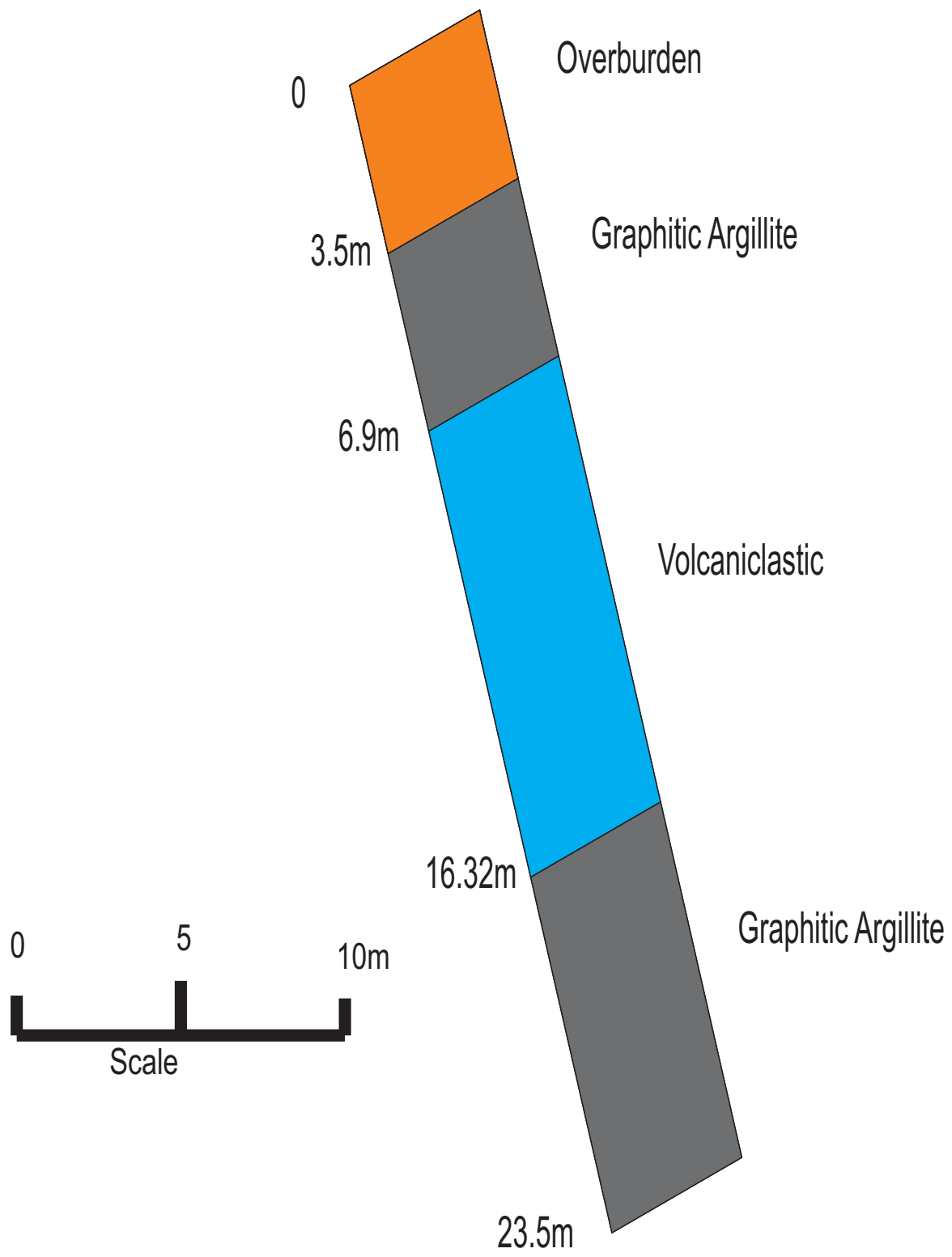


**FC 11-01 DRILL HOLE SECTION**

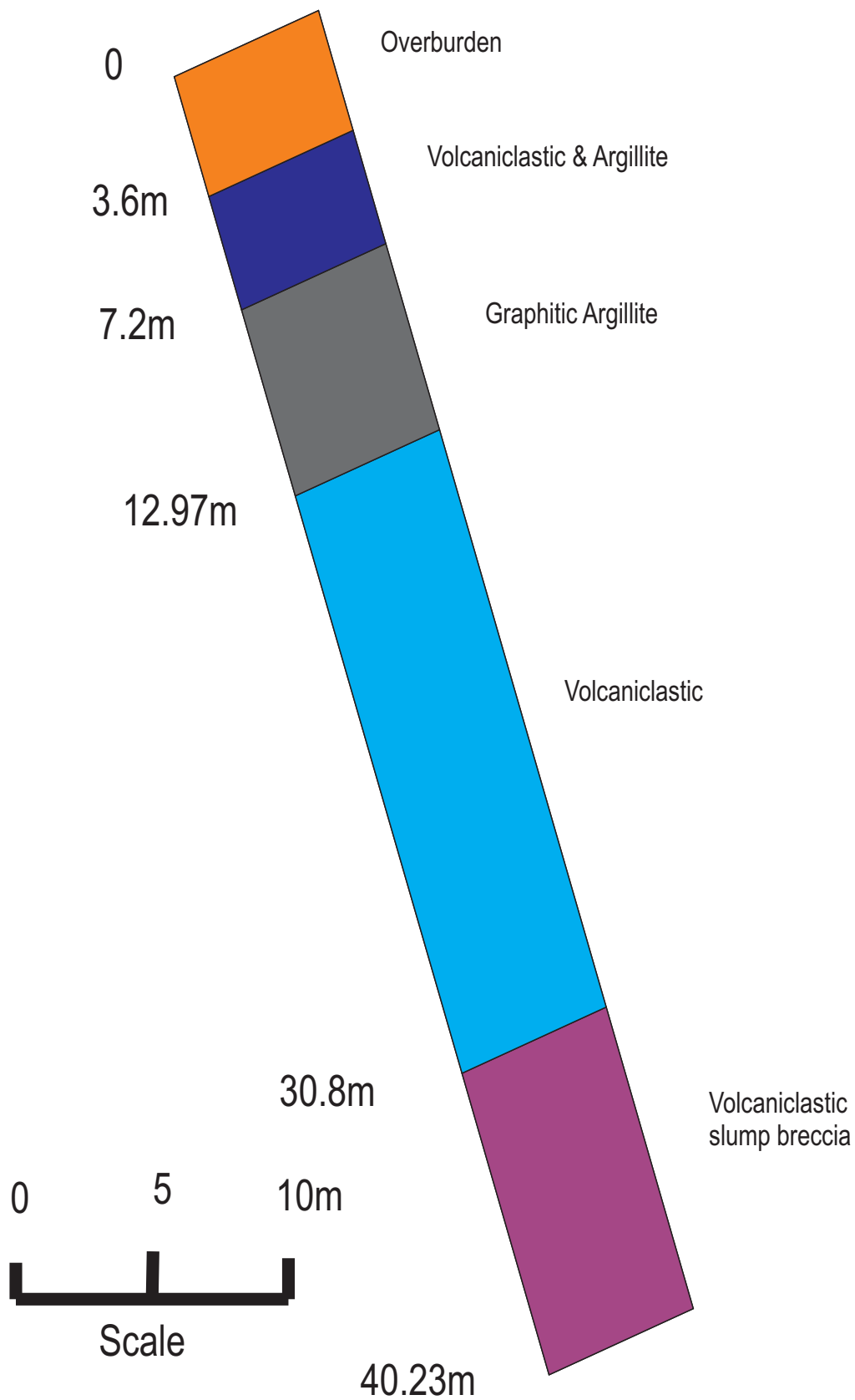
(Azimuth/Dip= 052/60)

609781E; 5845788N

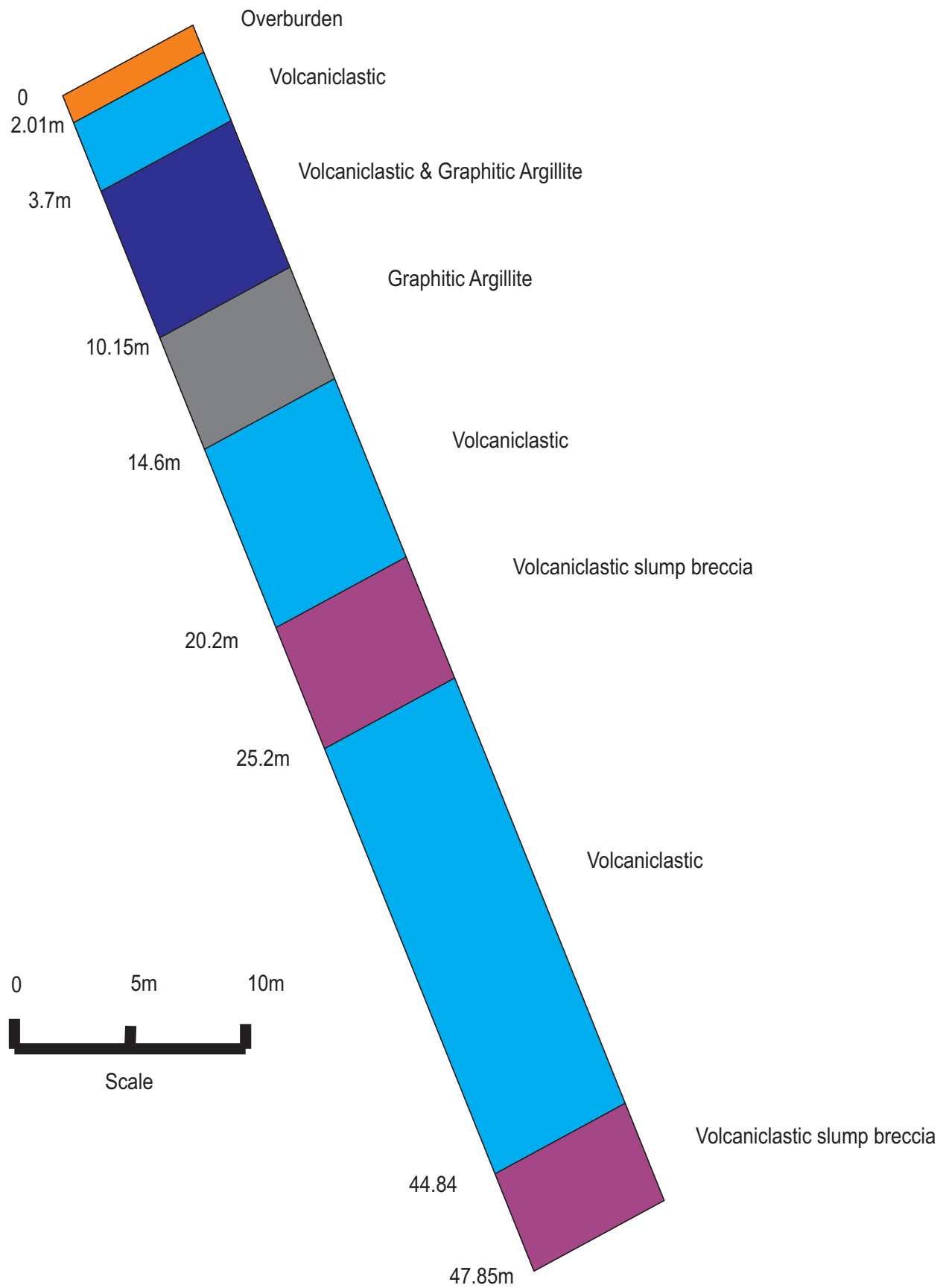




**FC 11-02 DRILL HOLE SECTION**  
(Azimuth/Dip= 048/70)  
609784E; 5845814N



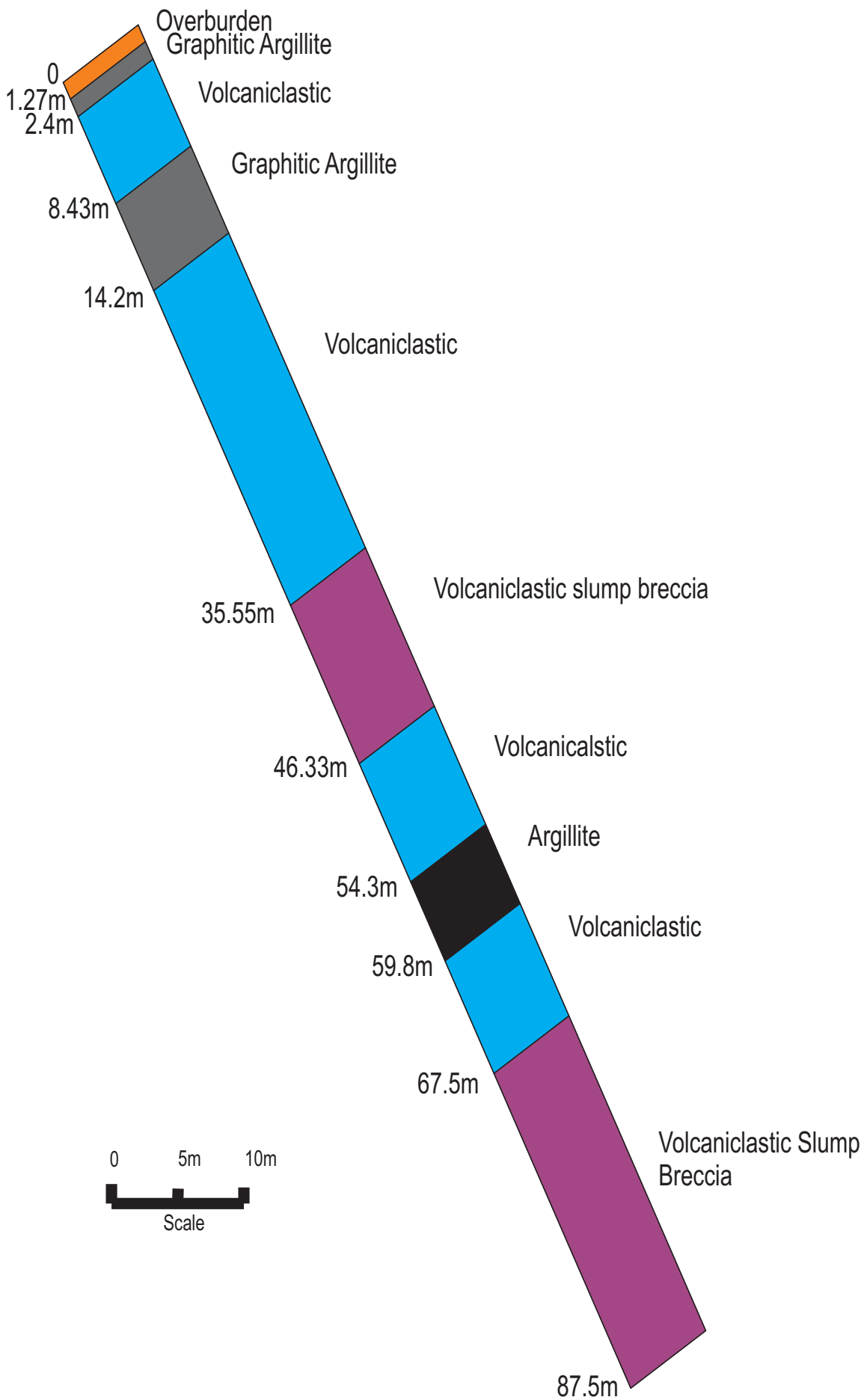
**FC 11-03 DRILL HOLE SECTION**  
 (Azimuth/Dip= 090/70)  
 610492E; 5845537N



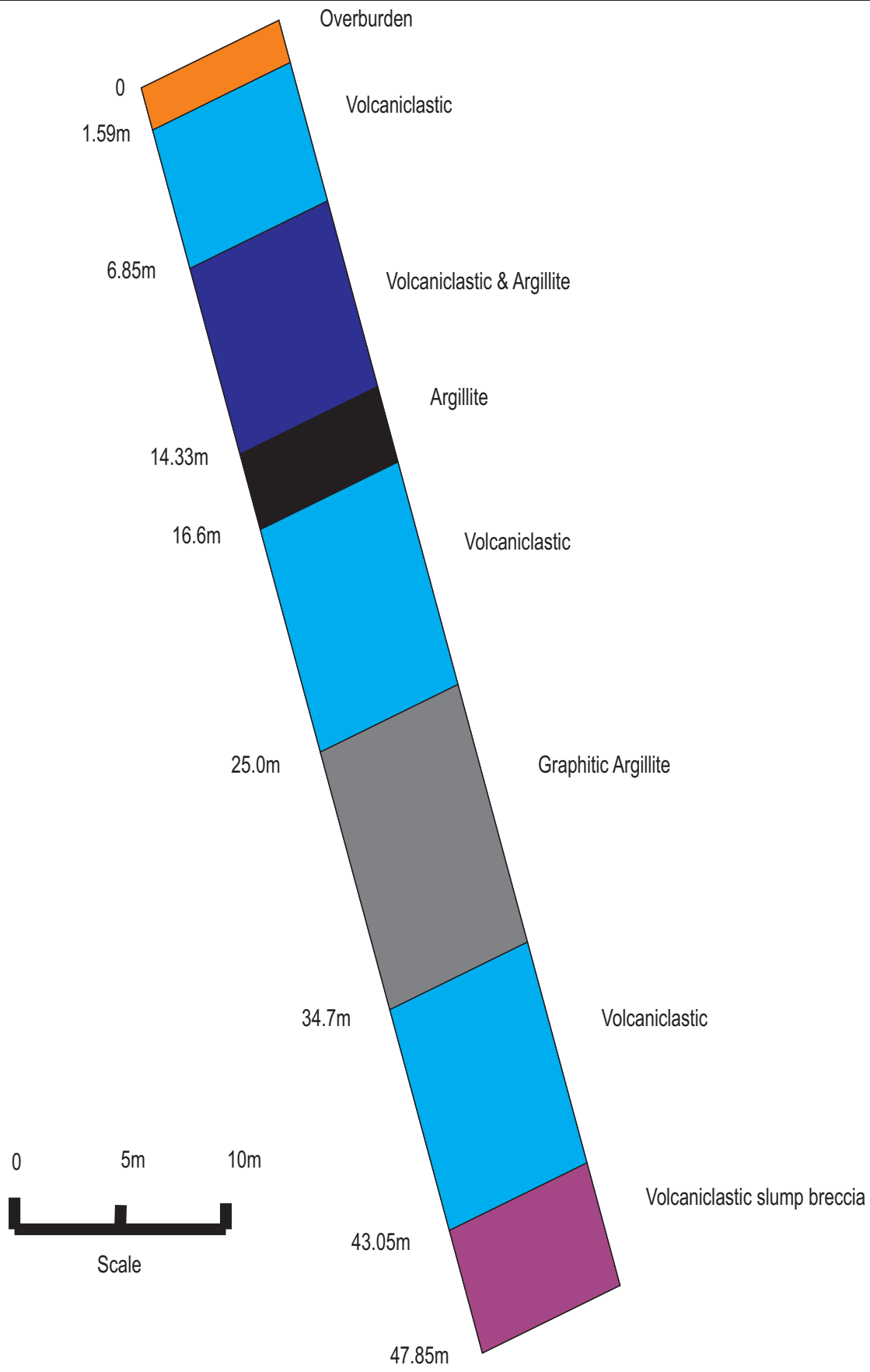
## FC 11-04 DRILL HOLE SECTION

(Azimuth/Dip= 090/65)

610471E; 5845538N



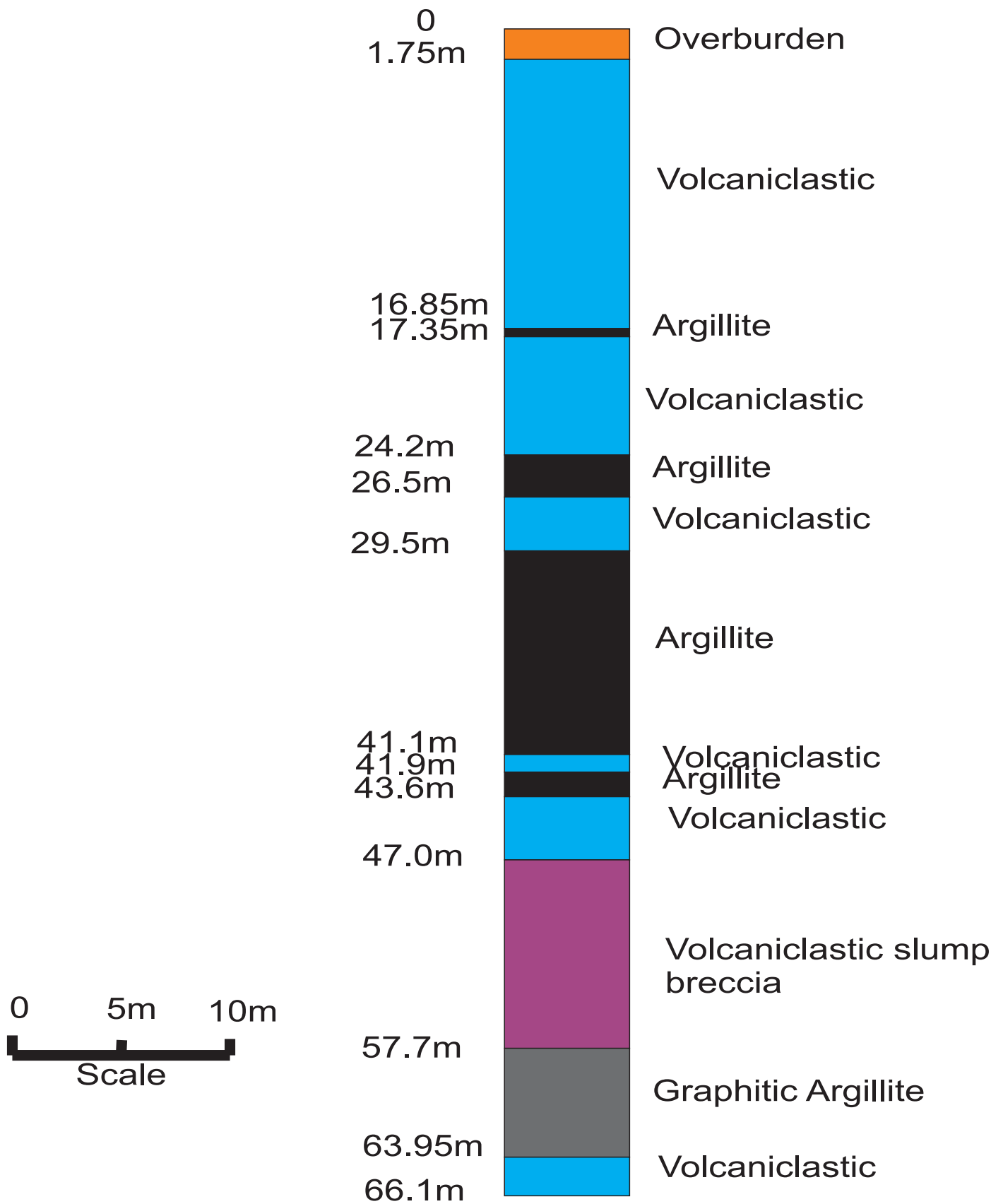
**FC 11-05 DRILL HOLE SECTION**  
 (Azimuth/Dip= 098/60)  
 610488E; 5845539N



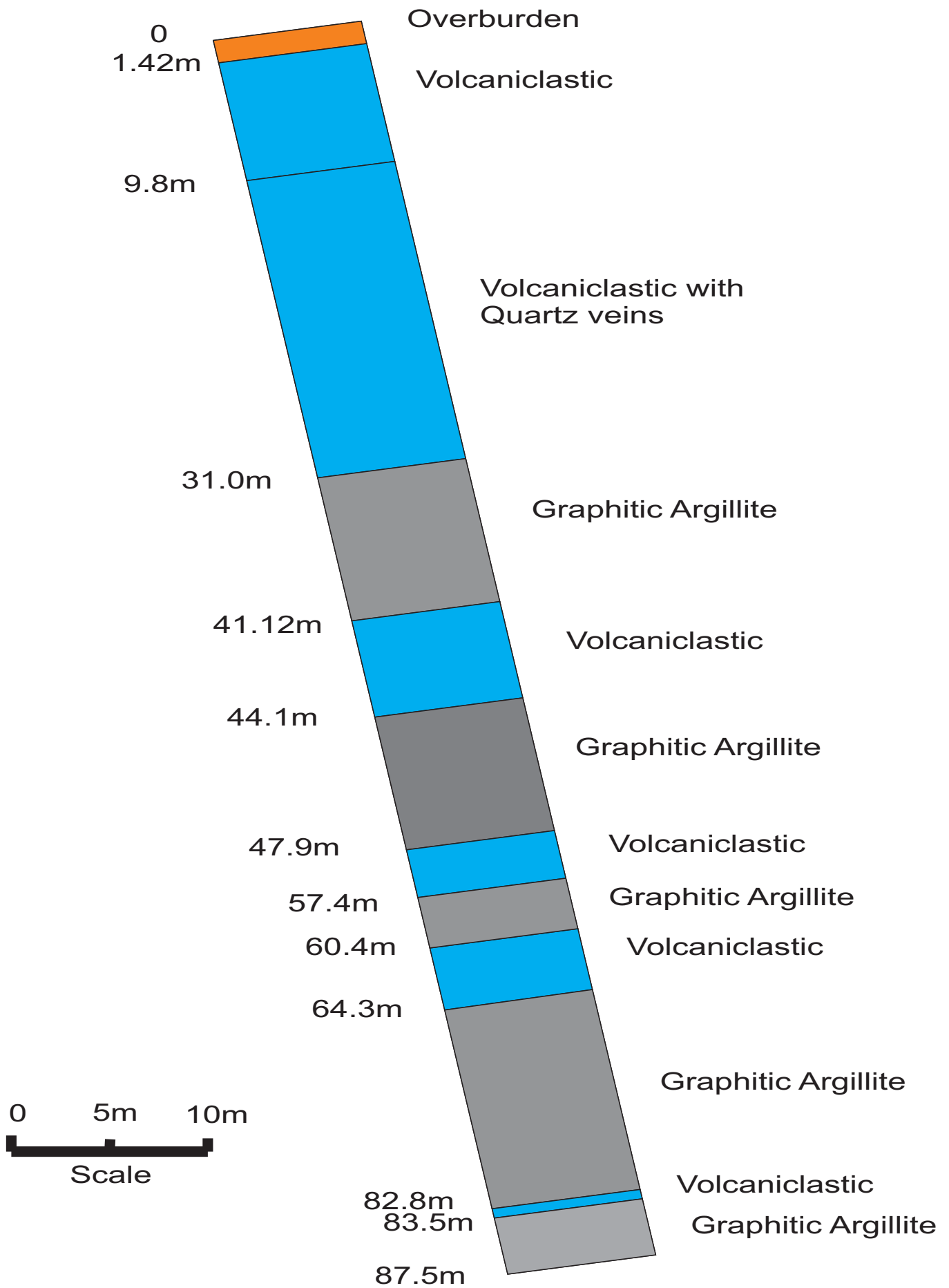
**FC 11-06 DRILL HOLE SECTION**

(Azimuth/Dip= 060/70)

609729E; 5845226N



**FC 11-07 DRILL HOLE SECTION**  
 (Azimuth/Dip= 060/90)  
 609729E; 5845226



**FC 11-08 DRILL HOLE SECTION**  
 (Azimuth/Dip= 326/80)  
 609724E; 5845227N

## **APPENDIX F**

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### **Frank Creek Project – Summary of Assay Results**



## FC 11-01

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm
3051207	4526	6.05	7.3	1.25	Grey volcanoclastic and dark grey argillite, brecciated, up to 7% pyrite	575	578
3051208	4527	8	9.14	1.14	Graphitic argillite, <3% quartz veins/veinlets, 3-5% pyrite	68.2	1630
3051209	4528	9.14	11.03	1.89	Graphitic argillite, <3% quartz veins/veinlets, 3-5% pyrite	78.6	692
3051211	4529	15	15.93	0.93	Graphitic argillite, <2% quartz veins/veinlets, 2-3% pyrite	46.9	213
3051212	4530	19.15	20.12	0.97	Grey volcanoclastic, brecciated, 7-10% pyrite	97	477
3051213	4531	20.12	20.7	0.58	Grey volcanoclastic, brecciated, 7-10% pyrite	145	984
3051214	4532	25.7	26.2	0.5	Grey volcanoclastic, brecciated, <3% pyrite	171	236
3051215	4533	29.1	29.44	0.34	Grey volcanoclastic, brecciated, 2-3% pyrite	49.1	306
3051216	4534	29.8	30.69	0.89	Grey volcanoclastic, brecciated, 3-5% pyrite	116	287
3051217	4535				STANDARD- PB113	4940	>10000
3051218	4536	37	37.6	0.6	Graphitic argillite, <1% quartz veins/veinlets, 3-5% cubic pyrite	43.3	109
3051219	4537	40.92	41.6	0.68	Graphitic argillite, <1% quartz veins/veinlets, <3% disseminated pyrite	120	179

## FC 11-01

Sample #	Sample	Pb	Ag	Au	As	Bi	Sb	Se	Sn	In	Co	Cr	Ni
	Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
3051207	4526	931	12.9	<0.01	300	4.39	14.3	3.8	9	0.544	20.2	91.8	37.6
3051208	4527	121	0.83	<0.01	64.9	0.78	1.42	1.5	1.4	0.095	12.2	52.1	44.7
3051209	4528	316	1.07	<0.01	67.9	0.38	2.0	3.3	0.5	0.078	11.2	72.5	64.2
3051211	4529	59.7	0.46	<0.01	55.3	0.26	2.08	1.7	0.3	0.024	11.2	47	71.4
3051212	4530	366	2.21	<0.01	34.4	2.6	0.97	1.5	0.5	0.591	6.8	205	19
3051213	4531	258	2.0	<0.01	62.3	2.02	7.84	1.0	1.7	0.176	15.6	57.6	38.1
3051214	4532	172	2.12	<0.01	156	3.4	2.7	1.3	4.6	0.376	14.8	57.4	31.8
3051215	4533	162	1.12	<0.01	55.3	1.67	1.26	1.9	1.3	0.068	10.5	44.8	53.4
3051216	4534	50.8	1.18	<0.01	39.4	0.41	0.88	1.3	3.1	0.137	15.7	51.9	40.8
3051217	4535	>10000	19.2	1.15	125	1.56	24.4	0.9	1.9	0.437	3	11.3	1.6
3051218	4536	39.2	0.46	<0.01	24.9	0.36	0.98	1.4	0.3	0.016	14.3	50.3	48.3
3051219	4537	42.6	2.02	<0.01	22.8	0.31	1.25	5	0.3	0.021	14	67.9	84

## FC 11-01

Sample #	Sample Number	Fe %	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051207	4526	5.06	3.81	132	0.44	0.49	531	0.02	0.44
3051208	4527	2.23	1.54	166	0.62	0.41	520	0.01	0.57
3051209	4528	2.02	1.35	171	0.97	0.35	609	0.01	0.26
3051211	4529	1.95	1.19	192	0.63	0.33	248	0.01	0.09
3051212	4530	2.16	1.26	66	1.09	0.13	742	<0.01	0.2
3051213	4531	4.65	2.98	245	0.9	0.54	658	0.02	0.41
3051214	4532	5.32	1.84	217	0.18	0.47	615	0.02	0.1
3051215	4533	2.93	1.86	194	1.59	0.38	1260	0.01	0.12
3051216	4534	5.86	1.51	197	0.2	0.37	1070	0.01	0.1
3051217	4535	2.05	2.2	185	3.43	0.46	3800	0.04	0.12
3051218	4536	3.17	1.28	239	0.84	0.39	512	0.01	0.02
3051219	4537	3.93	2.59	144	0.35	0.29	259	0.01	0.05

<b>FC 11-02</b>								
<b>Sample #</b>	<b>Sample Number</b>	<b>From metres</b>	<b>To metres</b>	<b>Sample Interval (m)</b>	<b>Description</b>	<b>Cu ppm</b>	<b>Zn ppm</b>	<b>Pb ppm</b>
3051220	4538	6.0	6.7	0.7	Graphitic argillite, dark grey-black, up to 5% cubic and disseminated pyrite	59.4	249	61.1
3051221	4539	8.8	9.75	0.9	Volcaniclastic, light grey, <1% quartz veins and veinlets, 2-3% stringers and disseminated pyrite	1070	321	40.8
3051222	4540	13.2	14.0	0.8	Volcaniclastic, light grey, <1% quartz veins and veinlets, 1-2% stringers and disseminated pyrite	279	377	133
3051223	4541	15.8	16.3	0.5	Volcaniclastic, light grey, bleached, <1% quartz veins and veinlets, up to 5% massive & disseminated pyrite	428	200	14.1
3051224	4542	17.55	18.2	0.6	Graphitic argillite, dark grey-black, 2-3% stringers and disseminated pyrite	144	411	134
3051225	4543	18.2	18.75	0.6	Graphitic argillite, dark grey-black, 2-3% stringers and disseminated pyrite	76.4	165	50.1

<b>FC 11-02</b>													
<b>Sample #</b>	<b>Sample Number</b>	<b>Ag ppm</b>	<b>Au ppm</b>	<b>As ppm</b>	<b>Bi ppm</b>	<b>Sb ppm</b>	<b>Se ppm</b>	<b>Sn ppm</b>	<b>In ppm</b>	<b>Co ppm</b>	<b>Cr ppm</b>	<b>Ni ppm</b>	<b>Fe %</b>
3051220	4538	0.83	<0.01	37.7	0.6	2.09	8.2	0.6	0.039	12.2	60.6	84.2	3.44
3051221	4539	2.35	<0.01	81.7	0.94	0.9	0.8	6.3	1.51	24.5	43.7	9	14.2
3051222	4540	1.49	<0.01	503	2.59	2.22	1.1	5.6	0.449	12.5	55.4	16.3	7.67
3051223	4541	0.62	<0.01	19.3	1.27	1.3	1.2	7.4	0.46	17.2	55	46.2	7.53
3051224	4542	0.83	<0.01	53.3	0.66	1.04	2.7	1	0.083	17.9	90	82.5	4.03
3051225	4543	1.41	<0.01	61.5	0.29	0.87	1.5	0.7	0.041	13.7	149	61	2.34

<b>FC 11-02</b>								
<b>Sample</b>	<b>Sample</b>	<b>S</b>	<b>Ba</b>	<b>Ca</b>	<b>K</b>	<b>Mn</b>	<b>Na</b>	<b>Hg</b>
<b>#</b>	<b>Number</b>	<b>%</b>	<b>ppm</b>	<b>%</b>	<b>%</b>	<b>ppm</b>	<b>%</b>	<b>ppm</b>
3051220	4538	1.91	122	0.43	0.32	254	0.01	0.11
3051221	4539	0.813	32	0.4	0.1	2670	<0.01	0.09
3051222	4540	1.05	71	0.07	0.21	1160	<0.01	0.15
3051223	4541	1.97	121	0.1	0.29	2110	0.01	0.07
3051224	4542	1.68	183	0.51	0.35	534	0.01	0.15
3051225	4543	1.31	166	0.67	0.29	439	0.01	0.07

# FC 11-03

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm
3127716	8626	3.7	4.35	0.65		7730	>10000	1670
3168003	8501	4.35	5.35	1.00		451	1260	149
3168004	8502	5.35	6.30	0.95		300	389	38.9
3051226	4544	6.3	7.5	1.2	Metavolcanic, 1-2% pyrite, tr chlorite, sericitic	1300	1210	232
3051227	4545	6.3	7.5	1.2	Duplicate of 4544	2020	1860	402
3051228	4546				STANDARD - PB114	3450	>10000	>10000
3051229	4547	7.6	8.35	0.75	Graphitic argillite, <1% quartz vein, chloritic, 2-3% cubic pyrite	2200	625	246
3168005	8503	8.35	8.62	0.27		896	273	422
3051230	4548	8.62	9.4	0.78	Graphitic argillite, up to 2% quartz vein, chloritic, 2-3% cubic pyrite	1490	369	221
3051231	4549	9.4	11	1.6	Metavolcanics and Graphitic argillite, up to 4% quartz vein, 3-5% pyrite stringers	1360	541	167
3051232	4550	11	12.3	1.3	Metavolcanics and Graphitic argillite, up to 2% quartz vein, 2-3% stringers and massive pyrite	1020	729	267
3051233	4551	12.3	13	0.7	Metavolcanics and Graphitic argillite, up to 2% quartz vein, 1-2% stringers and massive pyrite	889	1620	318
3051234	4552	13	14.21	1.21	Metavolcanic, <1% quartz vein, up to 3% pyrite stringers	2520	1220	563
3168006	8504	14.21	14.90	0.69		1020	1050	444
3051235	4553	14.9	16.25	1.35	Metavolcanic, <1% quartz vein, up to 2% stringers and massive pyrite	1470	862	313
3051236	4554	16.25	17.3	1.05	Metavolcanic, <1% quartz vein, up to 2% cubic pyrite	2280	1040	441
3168007	8505	17.30	18.00	0.70		119	191	25.4
3168008	8506	18.00	18.95	0.95		45.8	196	22.1
3051237	4555	18.95	19.95	1	Metavolcanic, up to 5% white and smokey quartz vein, 2-3% stringers and pyrite cubes	234	207	51.6
3124034	8627	19.95	21.00	1.05		128	282	6.4
3124035	8628	21.00	22.00	1.00		74.6	207	6.8
3124036	8629	22.00	22.40	0.40		29.3	116	2.5
3051238	4556	22.4	23.47	1.07	Metavolcanic, up to 2% white and smokey quartz vein, 1-2% pyrite stringers	717	202	27.5
3124037	8630	23.47	23.90	0.43		112	124	43.5
3051239	4557	23.9	24.05	0.15	Metavolcanic, <1% quartz vein, up to 4% stringers of pyrite+chalcopyrite	>10000	848	447
3124038	8631	24.05	24.46	0.41		670	268	49.3
3051240	4558	24.46	25.14	0.68	Metavolcanic, <1% quartz vein, up to 1% pyrite stringers	524	288	32.7
3124039	8632	25.14	26.00	0.86		53	227	36.2

## FC 11-03

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm
3124040	8633	26.00	26.30	0.30		438	2100	78.4
3124041	8634	26.30	26.50	0.20		33.1	15.7	26.7
3051241	4559	26.5	26.65	0.15	White quartz vein with up to 50% massive sulphide (py±cp)	367	182	65.5
3051242	4560	26.65	26.8	0.15	Metavolcanic, up to 10% quartz vein, up to 5% pyrite stringers	10.8	19.5	50.5
3124042	8635	26.80	27.08	0.28		2.9	28.8	45.1
3051243	4561				STANDARD - PB115	5650	>10000	>10000
3051244	4562	27.08	27.25	0.17	Metavolcanic, up to 10% quartz vein, up to 2% pyrite stringers	29	23.8	185
3124043	8636	27.25	27.75	0.50		11.8	52.3	202
3051245	4563	27.75	27.95	0.2	Metavolcanic with up to 20% massive sulphide	16.2	30.5	57.2
3124044	8637	27.95	28.73	0.78		58.6	74.3	105
3051246	4564	28.73	29.1	0.37	Metavolcanic with up to 2% massive sulphide	101	35.2	21
3124045	8638	29.10	29.77	0.67		48.1	90.2	88
3051247	4565	29.77	30	0.23	Metavolcanic with up to 2% massive sulphide	73.8	41.9	6.1
3124046	8639	30.00	31.00	1.00		128	52.2	101
3124047	8640	31.00	32.00	1.00		41.2	293	447
3124048	8641	32.00	33.00	1.00		67.5	135	82.2
3124049	8642	33.00	33.25	0.25		18.5	66.6	70.4
3051248	4566	33.25	33.4	0.15	Metavolcanic slump breccia with up to 5% cubic pyrite	94.5	124	9.5
3124050	8643	33.40	34.40	1.00		17.8	61.2	61.6
3124051	8644	34.40	35.14	0.74		46.5	260	81.4
3051249	4567	35.14	36.5	1.36	Metavolcanic slump breccia with up to 3% cubic pyrite	66.1	188	25.1
3168009	8507	35.45	36.00	0.55		44.5	180	16.4
3168010	8508	36.00	37.00	1.00		29.2	119	20.6
3168011	8509	37.00	37.85	0.85		21.3	110	38.1
3051250	4568	36.67	38.12	1.45	Metavolcanic slump breccia with up to 3% stringers and cubic pyrite	35.8	498	175
3168012	8510	39.00	40.00	1.00		59.7	223	38.6
3168013	8511	40.00	40.23	0.23		6.5	67.5	13.8
3051251	4569	38.12	39.1	0.98	Metavolcanic slump breccia with 1-2% cubic pyrite	51.3	165	38.8



# FC 11-03

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %
3127716	8626	16.5	0.08	440.00	21.6		11.00	32.7	9.34	94.7	51.6	30.2	
3168003	8501	1.23	0.01	39.6	2.31	0.16	0.8	8.1	0.792	9.4	44.5	18.1	5.3
3168004	8502	0.45	0.01	48.5	1.28	0.15	1.1	9.5	0.322	9.3	60.4	17.4	6.82
3051226	4544	3.27	0.01	50.3	3.01	0.22	1.3	28.5	1.01	23	68.3	32.8	7.16
3051227	4545	4.52	0.01	57.3	6.04	0.24	1.9	30.4	1.41	18.8	68.3	35.1	8.77
3051228	4546	27.5	0.69	19.5	2.89	65.5	1.1	0.8	0.817	4.4	7.1	5.6	1.8
3051229	4547	2.7	0.01	162	5.66	0.71	3.5	10.7	2.02	68.7	97.9	32.2	9.16
3168005	8503	4.57	0.04	86.4	12.5	0.38	2.7	5.6	1.1	27.3	145	23	6.79
3051230	4548	3.05	<0.01	114	5.6	0.41	2.8	6.6	1.6	23.4	85.7	28.3	7.95
3051231	4549	3.34	<0.01	361	5.55	0.52	2.8	5.9	1.42	23.9	135	55.7	8.2
3051232	4550	4.11	<0.01	117	7.13	0.26	2.5	5.9	1.6	15.4	106	30.3	7.32
3051233	4551	3.47	<0.01	185	8.08	0.36	3.1	8.9	1.71	22.4	183	42.7	7.71
3051234	4552	4.93	0.02	55.2	9.58	0.23	2.2	15.5	2.67	20.4	59	22.1	8.86
3168006	8504	1.84	0.01	25.5	2.26	0.39	0.8	8.9	1.3	11.9	60.3	13.8	5.86
3051235	4553	3.18	0.15	85.3	3.77	0.27	1.5	12.8	1.84	19.4	75.1	19.5	9.22
3051236	4554	4.22	0.02	241	9.56	0.57	2.2	14.6	2.19	26.6	67	24.1	10.5
3168007	8505	0.28	0.01	12.2	0.82	0.1	0.2	3.9	0.253	14	81	20.4	8.89
3168008	8506	0.22	0.01	21.8	0.64	0.07	0.3	3.7	0.13	12.4	87.4	22.2	7.45
3051237	4555	1.19	<0.01	20.2	2.46	0.18	0.5	5.5	0.532	11.4	95.5	19.2	8.1
3124034	8627	0.14	<0.01	49.6	0.64	0.24	0.4	2.1	0.235	16.6	112	22.4	8.5
3124035	8628	0.13	<0.01	26.4	0.69	0.11	<0.2	2	0.188	16.7	93.2	30.9	7.18
3124036	8629	0.05	<0.01	22.4	0.25	0.09	<0.2	3.2	0.171	17.4	88.5	28.4	9.27
3051238	4556	0.93	0.01	21.4	5.74	0.29	0.8	6	1.71	19.4	64.2	26.2	10.3
3124037	8630	0.54	<0.01	4.3	3.78	0.09	0.3	3.8	0.161	12	153	26.2	5.18
3051239	4557	16.4	0.05	8.5	19.3	0.42	3.5	43.2	5.62	29.8	92.9	24.7	9.64
3124038	8631	0.94	<0.01	12	15.1	0.22	1	6.4	2.72	22.9	130	18.8	8.62
3051240	4558	1.04	<0.01	20	1.47	0.1	0.5	4.5	0.41	14.9	28.7	26.7	9.13
3124039	8632	0.4	<0.01	38.5	0.96	0.1	0.2	3.8	0.154	18.8	72.1	36.2	6.99

# FC 11-03

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %
3124040	8633	1.61	0.38	136	2.58	0.25	1.6	2.4	0.68	32.4	85.2	44.9	6.71
3124041	8634	0.7	2.22	73.3	0.76	0.06	0.7	0.5	0.034	10.4	185	9.4	2.43
3051241	4559	5.11	>25	1440	2.88	0.83	14.2	17	1.12	163	222	301	19.5
3051242	4560	0.91	2.96	224	1.22	0.14	1.5	1.2	0.037	9.8	80.5	32.9	5
3124042	8635	0.38	0.12	51.5	0.94	0.07	0.5	0.7	0.045	3.4	52.3	6.8	4.25
3051243	4561	16.2	0.05	24.8	3.5	39.7	1.3	0.9	1.34	2	6.3	1	2
3051244	4562	2.58	2.36	476	4.02	0.29	3.5	1	0.046	27.5	78.9	58.6	8.69
3124043	8636	0.58	<0.01	31.8	0.9	0.15	<0.2	0.3	0.054	11.1	53.5	16.4	3.97
3051245	4563	0.8	2.85	485	1.22	0.17	4.4	0.4	0.046	28.4	50.6	29.2	10.1
3124044	8637	1.47	0.17	48.9	2.92	0.09	0.5	0.4	0.053	11.9	95.7	18.2	3.69
3051246	4564	0.29	0.17	60.1	0.28	0.1	0.3	0.3	0.035	14.6	37.3	31.7	3.71
3124045	8638	0.28	<0.01	30.4	0.32	0.12	<0.2	0.4	0.034	12.4	76.6	30.4	3.17
3051247	4565	0.13	0.06	64.7	0.09	0.13	0.3	0.3	0.025	17	28	38.3	3.83
3124046	8639	0.37	<0.01	32.6	0.24	0.13	<0.2	0.2	0.044	10.1	51.1	19.4	2.48
3124047	8640	0.99	<0.01	43	1.48	0.19	0.4	0.6	0.095	13.6	114	27.4	4.16
3124048	8641	0.3	<0.01	21.9	0.31	0.11	0.2	0.3	0.04	13.6	40.8	30.8	3.83
3124049	8642	0.21	<0.01	32.5	0.34	0.07	<0.2	0.4	0.043	12	35.1	18.3	3.51
3051248	4566	0.18	0.02	120	0.13	0.26	0.8	0.5	0.034	32.7	46.7	38.8	6.7
3124050	8643	0.2	<0.01	33.8	0.32	0.08	0.2	0.5	0.047	12.1	40.6	18	3.89
3124051	8644	0.4	<0.01	32.2	0.76	0.16	0.4	0.7	0.066	17	63.1	28	4.36
3051249	4567	0.14	<0.01	53.7	0.28	0.14	0.2	1	0.092	21.1	31.1	47.9	5.59
3168009	8507	0.11	0.01	49.1	0.21	0.2	<0.2	0.2	0.04	26.7	34.1	48.1	6.47
3168010	8508	0.16	0.01	35.4	0.27	0.24	<0.2	0.3	0.036	18.2	42.6	28.5	4.27
3168011	8509	0.17	0.01	14.6	0.22	0.13	<0.2	<0.2	0.021	11.7	66.1	23.7	3.91
3051250	4568	0.52	<0.01	25.3	1.04	0.18	0.3	0.4	0.039	15.9	49.5	34.6	4.38
3168012	8510	0.22	0.01	7.7	0.51	0.13	<0.2	0.3	0.056	15.8	57.3	31.1	3.78
3168013	8511	0.09	0.01	10	0.17	0.07	<0.2	<0.2	0.016	7.3	66.2	7.6	2.99
3051251	4569	0.14	<0.01	17.6	0.3	0.16	<0.2	0.9	0.034	14.4	42.9	29.1	3.83

# FC 11-03

Sample #	Sample Number	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3127716	8626							
3168003	8501	1.13	98	0.07	0.2	1490	0.04	0.07
3168004	8502	1.72	85	0.06	0.19	1450	0.04	0.02
3051226	4544	1.65	134	0.17	0.33	1620	0.05	0.05
3051227	4545	2.11	112	0.13	0.28	2250	0.05	0.08
3051228	4546	1.74	187	1.61	0.29	692	0.04	3.52
3051229	4547	3.58	32	0.07	0.09	1100	0.03	0.06
3168005	8503	2.32	35	0.27	0.11	1300	0.05	0.02
3051230	4548	3.06	35	0.06	0.12	1460	0.05	0.03
3051231	4549	2.69	25	0.17	0.1	1030	0.05	0.04
3051232	4550	2.34	31	0.19	0.11	1190	0.05	0.04
3051233	4551	3.36	23	0.11	0.08	1130	0.03	0.08
3051234	4552	2.25	50	0.08	0.14	1910	0.05	0.05
3168006	8504	0.98	37	0.19	0.08	1250	0.02	0.05
3051235	4553	3.27	55	0.09	0.15	1940	0.03	0.04
3051236	4554	2.58	54	0.15	0.16	2230	0.04	0.05
3168007	8505	0.574	91	0.17	0.26	1330	0.06	0.01
3168008	8506	0.716	108	0.25	0.3	1200	0.05	<0.01
3051237	4555	0.989	114	0.19	0.34	1770	0.07	0.01
3124034	8627	0.808	79	0.11	0.23	1600	0.05	0.25
3124035	8628	0.24	102	0.07	0.29	1380	0.05	0.28
3124036	8629	0.077	143	0.08	0.41	1990	0.09	0.24
3051238	4556	1.09	142	0.14	0.43	2190	0.11	0.01
3124037	8630	0.168	137	0.09	0.38	912	0.08	0.24
3051239	4557	3.18	107	0.08	0.31	1430	0.07	0.06
3124038	8631	0.589	131	0.08	0.37	2040	0.08	0.27
3051240	4558	0.652	133	0.11	0.42	2110	0.1	0.02
3124039	8632	0.23	230	0.75	0.64	1900	0.11	0.3

## FC 11-03

Sample #	Sample Number	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3124040	8633	4.02	120	2.75	0.38	1660	0.05	0.47
3124041	8634	1.88	34	0.84	0.1	348	0.01	0.13
3051241	4559	>10	16	0.13	0.07	64	0.02	0.04
3051242	4560	4.25	122	2.85	0.42	501	0.07	<0.01
3124042	8635	1.34	126	5.33	0.45	988	0.06	0.21
3051243	4561	2.08	220	1.73	0.32	890	0.04	2.34
3051244	4562	8.24	122	4.01	0.42	665	0.06	0.02
3124043	8636	0.137	74	5.76	0.26	1520	0.03	0.15
3051245	4563	9.83	64	3.7	0.25	837	0.04	0.02
3124044	8637	0.845	116	4.4	0.43	1080	0.06	0.27
3051246	4564	1.14	97	2.8	0.35	824	0.05	0.01
3124045	8638	0.646	129	3.64	0.48	1160	0.07	0.28
3051247	4565	2.43	99	3.09	0.34	951	0.04	0.01
3124046	8639	0.275	61	3.37	0.23	1070	0.03	0.24
3124047	8640	0.339	78	5.62	0.31	1890	0.08	0.25
3124048	8641	0.232	93	5.41	0.33	1560	0.05	0.23
3124049	8642	0.22	51	4.28	0.16	1570	0.02	0.17
3051248	4566	5.32	85	3.2	0.34	722	0.04	0.03
3124050	8643	0.23	69	4.69	0.24	1540	0.03	0.16
3124051	8644	0.283	114	3.7	0.48	2060	0.06	0.26
3051249	4567	1.7	62	0.67	0.29	1070	0.05	0.04
3168009	8507	0.838	49	0.85	0.22	1340	0.04	0.04
3168010	8508	0.656	76	2.21	0.32	1320	0.04	0.03
3168011	8509	0.291	70	1.89	0.32	1040	0.06	0.02
3051250	4568	1.25	65	1.08	0.29	955	0.04	0.05
3168012	8510	0.471	55	1.24	0.22	1310	0.03	0.03
3168013	8511	0.415	49	3.4	0.24	1900	0.04	0.01
3051251	4569	0.788	68	0.85	0.26	898	0.03	0.03

## FC 11-04

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm	Ag ppm
3051252	4570	3.7	5.18	1.48	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% pyrite stringers	343	1490	406	1.65
3051253	4571	5.18	6.95	1.77	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% pyrite stringers	299	2240	979	1.94
3051254	4572	7.25	8.5	1.25	Volcaniclastic, light grey, 3-5% smokey qtz veins, sericitic & chloritic, 3-5% stringers and disseminated pyrite ± chalcopyrite	376	752	533	1.81
3051255	4573	8.9	10	1.1	Volcaniclastic, light grey, 1-2% smokey qtz veins, sericitic & chloritic, minor argillite, 3-5% stringers, cubic and disseminated pyrite ± chalcopyrite	3510	1040	422	4.5
3051256	4574	10.1	12	1.9	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% stringers and cubic pyrite	2230	370	158	2.62
3051257	4575	12.68	14.5	1.82	Argillite, dark grey-black, graphitic, chloritic, <2% quartz vein, 3-5% stringers and cubic pyrite ± chalcopyrite	3810	1060	375	6.14
3051258	4576				STANDARD- PB116	3240	>10000	>10000	23.6
3051259	4577	15.85	17.41	1.56	Volcaniclastic, light grey, 2-3% white & smokey qtz veins, sericitic & chloritic, 3-5% stringers and disseminated pyrite ± chalcopyrite	4620	2050	858	9.53
3051260	4578	17.41	18.5	1.09	Volcaniclastic, light grey, <1% qtz veins, sericitic & chloritic, 3-5% stringers, massive and disseminated	>10000	3140	2700	18.7
3051261	4579	22.5	23.39	0.89	Volcaniclastic slump breccia, up to 10% white & smokey quartz vein, 3-5% disseminated and massive pyrite ± chalcopyrite	1430	337	307	3.56
3051262	4580	24.1	25.5	1.4	Volcaniclastic slump breccia, up to 3% white & smokey quartz vein, 2-3% disseminated and massive pyrite ± chalcopyrite	509	332	98.5	1.59
3051263	4581	27.3	27.6	0.3	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 7% stringers and massive and pyrite ± chalcopyrite	966	2090	309	2.14
3051264	4582	31.5	32	0.5	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite ± chalcopyrite	640	628	167	1.57
3051265	4583	32.5	33.8	1.3	Volcaniclastic, light grey, up to 3% white & smokey quartz vein, 2-3% stringers and disseminated and pyrite	92.3	136	21.2	0.15

3051266	4584	34.55	34.95	0.4	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite	101	89.8	7.5	0.06
3051267	4585	38.88	40.12	1.24	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% stringers and disseminated pyrite	27.3	255	265	0.81
3051268	4586	40.5	40.95	0.45	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chloritic, up to 3% cubic and disseminated pyrite	69.6	47.4	46	0.23
3051269	4587	42.75	44.25	1.5	Volcaniclastic, light grey, <1% qtz veins, trace sericite & chlorite, up to 3% cubic and disseminated pyrite	110	1800	97.6	0.66

**FC 11-04**

Sample #	Sample	Au	As	Bi	Sb	Se	Sn	In	Co	Cr	Ni	Fe	S
	Number	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
3051252	4570	<0.01	508	3.19	0.9	2.1	6.6	0.679	16.1	92.1	44	7.13	3.18
3051253	4571	<0.01	223	2.9	1.06	1.9	7.1	0.944	10.6	117	41.8	6.41	2.77
3051254	4572	<0.01	108	3.79	1.28	1.3	8.8	0.569	14	89.5	16.8	7.64	2.17
3051255	4573	0.02	154	13.3	0.75	3.3	20.2	6.29	30.8	52.6	27.7	7.99	2.46
3051256	4574	<0.01	61.1	8.32	0.28	1.8	10.5	2.53	28.2	72.6	27.3	6.94	1.28
3051257	4575	<0.01	486	17.2	0.78	4.8	20.2	4.99	38.7	97.9	27.4	10	3.98
3051258	4576	0.64	18.7	2.78	63.1	1.1	0.7	0.792	4.2	6	5.1	1.74	1.72
3051259	4577	0.06	967	20.1	2.73	3.1	23.2	5.03	35.9	49.4	22.5	9.62	2.63
3051260	4578	0.06	1470	26.3	3.65	7.8	69.4	9.64	31.2	63.4	21.2	12.4	5.8
3051261	4579	0.02	62	6.29	0.67	1.7	12.2	2.04	19.2	121	16.3	7.17	1.62
3051262	4580	<0.01	58	3.25	0.27	0.8	6.2	0.688	16.1	69.7	30.3	7.11	1.01
3051263	4581	0.03	2210	5.15	7.59	5.9	9.4	2.76	65.7	39.2	12.3	15.2	7.9
3051264	4582	0.02	64.9	4.89	0.48	2.5	5.6	0.582	32.9	65.3	24.8	9.28	3.92
3051265	4583	<0.01	24.8	0.51	0.17	0.3	1.3	0.121	9	127	12.9	2.56	0.534

3051266	4584	<0.01	23	0.57	0.19	0.4	1.3	0.109	20	22	36.2	5.35	1.91
3051267	4585	<0.01	22.6	1.42	0.23	0.3	0.6	0.102	11.3	37.3	15.4	3.04	0.3
3051268	4586	<0.01	106	0.4	0.11	0.6	0.7	0.045	17.4	50.1	30.5	3.8	1.71
3051269	4587	0.02	49.1	1.09	0.19	0.5	1.6	0.379	17.3	32.5	32.1	3.52	1.39



**FC 11-04**

Sample #	Sample Number	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051252	4570	44	0.16	0.17	1620	0.06	0.06
3051253	4571	14	0.26	0.05	1570	0.03	0.08
3051254	4572	52	0.16	0.1	1630	0.02	0.06
3051255	4573	111	0.21	0.21	1590	0.04	0.05
3051256	4574	27	0.05	0.06	1470	0.03	0.02
3051257	4575	16	0.08	0.05	1450	0.03	0.06
3051258	4576	183	1.47	0.24	660	0.03	3.43
3051259	4577	39	0.3	0.11	1840	0.06	0.13
3051260	4578	41	0.31	0.11	1750	0.02	0.17
3051261	4579	57	0.12	0.1	1720	0.04	0.03
3051262	4580	84	0.15	0.23	1460	0.05	0.03
3051263	4581	52	0.06	0.19	1150	0.06	0.07
3051264	4582	61	1.2	0.19	1930	0.06	0.04
3051265	4583	67	2.58	0.2	1090	0.03	0.02

3051266	4584	138	4.48	0.44	1240	0.06	0.02
3051267	4585	74	5.71	0.27	1830	0.03	0.03
3051268	4586	96	4.15	0.36	986	0.04	0.01
3051269	4587	89	4.85	0.36	1340	0.05	0.1

## FC 11-05

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm
3051270	4588	2.4	2.95	0.55	Volcaniclastic, traces of iron oxidation along fractures, 3-5% stringers and massive sulphide	886	5470	745
3051271	4589	5.43	6.1	0.67	Volcaniclastic, tr chlorite and sericite, 3-5% stringers and disseminated pyrite	614	970	376
3051272	4590	6.1	7.1	1	Volcaniclastic, tr chlorite and sericite, tr graphite, 2-3% massive and disseminated pyrite	2220	3320	357
3051273	4591	10.0	11.0	1	Graphitic argillite, up to 3% quartz vein, 1-2% stringers and disseminated pyrite cubes	7300	1120	797
3051274	4592	11.0	12.85	1.85	Graphitic argillite, <1% quartz vein, tr chlorite, 2-3% massive, stringers and disseminated pyrite cubes	2040	1170	559
3051275	4593	11.0	12.85	1.85	duplicate of 4592	2080	1320	564
3051276	4594	16.1	17.9	1.8	Volcaniclastic, tr chlorite and sericite, tr-1% stringers and disseminated pyrite	851	1030	320
3051277	4595	18.2	20.08	1.88	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes	885	630	261
3051278	4596	20.85	22.4	1.55	Volcaniclastic, up to 5% quartz vein, sericitic, tr chlorite, tr-1% disseminated pyrite	255	261	50.1
3051279	4597	26.05	26.52	0.47	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes	1910	430	209
3051280	4598	27.0	28.04	1.04	Volcaniclastic, tr chlorite and sericite, up to 2% disseminated pyrite cubes	481	2700	514
3051281	4599	28.0	29.57	1.53	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes	124	205	39.1
3051282	4600				STANDARD- PB115	5540	>10000	>10000
3051283	4601	29.9	30.6	0.7	Volcaniclastic, up to 5% quartz vein, tr sericite and chlorite, up to 7% stringers and massive pyrite	2.5	18.7	113
3051284	4602	31.4	32.2	0.8	Volcaniclastic, tr chlorite and sericite, 1-2% stringers and disseminated pyrite cubes	92.6	27.9	41.5
3051285	4603	34.1	35.28	1.14	Volcaniclastic, vugs of washed out minerals, tr-1% disseminated pyrite cubes	29.2	58	28.4
3051286	4604	40.0	41.76	1.76	Volcaniclastic slump breccia, tr sericite, 1-2% stringers and disseminated pyrite cubes	89	245	128
3051287	4605	42.25	43.4	1.15	Volcaniclastic slump breccia, malachite staining, tr sericite, 1-2% stringers and disseminated pyrite cubes	110	128	63.2

## FC 11-05

Sample #	Sample	From	To	Sample	Description	Cu	Zn	Pb
	Number	metres	metres	Interval (m)		ppm	ppm	ppm
3051288	4606	43.4	44.91	1.51	Volcaniclastic slump breccia, <1% smokey quartz, chrome mica, tr sericite, 1-2% stringers and disseminated pyrite cubes	51	62.4	47.2
3051289	4607	44.9	46.33	1.42	Volcaniclastic slump breccia, chrome mica, tr sericite, 1-2% stringers and disseminated pyrite cubes	112	287	79.6
3051290	4609	50.9	51.69	0.79	Volcaniclastic, <1% quartz vein, tr sericite and chlorite, up to 1% disseminated pyrite cubes	41.9	163	13
3051291	4610	52.4	54	1.6	Volcaniclastic, <1% quartz vein, tr sericite and chlorite, up to 1% disseminated pyrite cubes	45.4	238	9.7
3051292	4611	58.2	59.8	1.6	Argillite, locally graphitic, 1-2% smokey and white quartz, 2-3% stringers and disseminated pyrite ± chalcopyrite	37.8	97.6	20.2
3051293	4612	58.2	59.8	1.6	Duplicate of 4611	44	93.8	17.9
3051294	4613	59.8	60.2	0.4	Volcaniclastic, traces of blue quartz, <1% smokey quartz vein, tr stringers and disseminated pyrite cubes	1.2	31.7	2.3
3051295	4614	60.2	62	1.8	Volcaniclastic with minor argillite, <1% smokey quartz vein, up to 1% disseminated pyrite cubes	77.6	46.8	7.9
3051296	4615	62.0	62.7	0.7	Volcaniclastic, <1% smokey quartz vein, up to 1% stringers and disseminated pyrite cubes	72	79.9	62.6
3051297	4616	62.7	63.9	1.2	Volcaniclastic, <1% smokey quartz vein, up to 7% stringers and disseminated pyrite cubes ± chalcopyrite	1160	9296	5940
3051298	4617	63.9	64.6	0.7	Volcaniclastic, <1% smokey quartz vein, up to 2% stringers and disseminated pyrite cubes ± chalcopyrite	335	5830	3850
3051299	4618	64.6	65.2	0.6	Volcaniclastic, <1% smokey quartz vein, 3-4% stringers, semi massive and disseminated pyrite cubes ± chalcopyrite	1400	8510	3790
3051300	4619	67.0	67.5	0.5	Volcaniclastic with minor argillite, <1% smokey quartz vein, up to 1% disseminated pyrite cubes	34.8	191	167
3051301	4620	68.0	68.85	0.85	Volcaniclastic slump breccia, tr sericite and chlorite alteration, 1-2% stringers and disseminated pyrite cubes	424	934	499
3051302	4621	74.36	74.47	0.11	Volcaniclastic with up to 25% semi massive -massive sulphide	4000	2480	1160
3051303	4622	74.5	75.4	0.9	Volcaniclastic slump breccia, tr sericite and chlorite alteration, 2-3% stringers and disseminated pyrite cubes	213	264	221
3051304	4623				STANDARD- PB113	4460	>10000	>10000

**FC 11-05**

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %
3051270	4588	3.4	0.01	196	5.56	0.94	3.4	14.6	3.54	16.4	46.3	22.3	11.2
3051271	4589	2.54	<0.01	395	6.01	1.21	1.7	11	1.29	13	43.9	18.2	7.25
3051272	4590	3.28	0.02	169	8.21	0.6	5	30	3.08	40.8	47.5	25.9	12.1
3051273	4591	9.96	<0.01	398	25.9	0.4	9.5	36.5	4.91	81.2	135	48.2	13.5
3051274	4592	4.94	<0.01	259	12.3	0.6	4.1	12.4	2.28	31.5	78.1	24.4	8.35
3051275	4593	5.23	<0.01	226	14.1	0.55	4.5	10.8	2.37	29.6	103	20.6	9.75
3051276	4594	1.82	<0.01	33.7	3.61	0.26	1	7.9	1.1	14.8	57.2	17.2	7.39
3051277	4595	2.15	0.02	87.2	5.52	0.2	1.6	9.6	1.13	20.4	71.9	23.9	9.43
3051278	4596	0.51	<0.01	5.2	1.82	0.26	0.4	5.2	0.355	13.8	73.5	25.3	7.89
3051279	4597	2.92	0.01	10.5	19.4	0.32	2.7	10	2.28	34.2	34.2	27	11.2
3051280	4598	3.41	0.01	72.4	8.58	0.21	1.8	3.9	0.949	18	44	28.2	6.28
3051281	4599	0.4	<0.01	35.2	0.75	0.12	0.3	1.7	0.112	10.3	43.5	23.3	3.78
3051282	4600	15.9	0.02	23	3.37	37.3	1.3	0.8	1.25	2	5.8	0.9	1.97
3051283	4601	1.67	5.54	491	2.68	0.36	4.0	0.4	0.024	31.1	78.3	61	9.27
3051284	4602	0.42	0.59	152	0.46	0.16	0.9	0.4	0.05	15.7	83.7	42.7	4.57
3051285	4603	0.13	0.02	38.8	0.2	0.11	<0.2	0.4	0.031	11.9	39.5	24.2	3.57
3051286	4604	0.57	<0.01	32.8	1.33	0.21	0.9	0.7	0.066	17.9	54.6	43.6	4.54
3051287	4605	0.51	<0.01	88	1.66	0.28	0.6	1.2	0.061	26.2	76.6	165	5.27

## FC 11-05

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %
3051288	4606	0.19	<0.01	109	0.89	0.94	0.4	0.8	0.035	27.3	86.2	146	3.94
3051289	4607	0.62	<0.01	76.7	1.86	0.35	0.9	1.4	0.099	15.6	85.9	109	3.29
3051290	4609	0.13	<0.01	39.5	0.42	0.18	<0.2	1	0.067	24.9	65.8	52.8	6.37
3051291	4610	0.13	<0.01	41.3	0.32	0.22	0.3	1.3	0.1	19.4	50.5	53.7	5.53
3051292	4611	0.41	<0.01	39.4	0.92	0.21	0.3	0.9	0.047	14.3	82	36.9	3.42
3051293	4612	0.51	<0.01	38.4	0.91	0.23	0.2	0.9	0.053	12.6	67.3	34.5	3.95
3051294	4613	0.02	<0.01	40.5	0.07	0.21	<0.2	0.8	0.037	10.7	56.4	20.5	3.77
3051295	4614	0.4	<0.01	42.5	0.53	0.29	0.4	0.5	0.034	13.5	46	35.4	3.77
3051296	4615	0.65	<0.01	42.9	0.56	0.76	0.4	1.8	0.035	12.4	66.6	33.6	3.5
3051297	4616	26.8	0.04	3810	17.6	51.4	9	16.4	1.46	17.7	81	33.5	8.69
3051298	4617	15.8	0.02	1980	4.64	32.3	6.4	11	0.759	7.7	77.8	34.5	4.71
3051299	4618	32.3	0.05	1420	19.6	33.3	9.3	18.4	2.44	16.5	92.8	28.6	10.5
3051300	4619	0.79	<0.01	79.7	0.71	1.23	0.4	1.9	0.066	15.2	65.9	27.3	4.8
3051301	4620	2.35	<0.01	207	2.66	1.9	2	2.3	0.272	15.6	59.7	37.9	5.13
3051302	4621	27.0	0.08	243	43.8	6.92	21.8	20.8	6.7	66.1	63.1	35.4	23.2
3051303	4622	1.83	<0.01	11.6	2.86	0.51	1.3	1.7	0.211	10	73.3	26.4	3.56
3051304	4623	19.7	2.21	123	1.63	24.4	0.9	1.8	0.427	3	9.3	1.4	2.04

**FC 11-05**

Sample #	Sample Number	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051270	4588	4.96	12	0.42	0.04	2170	0.03	0.22
3051271	4589	2.42	72	0.27	0.16	1350	0.03	0.04
3051272	4590	6.69	33	0.08	0.09	2270	0.02	0.14
3051273	4591	9.35	15	0.07	0.06	1330	0.03	0.06
3051274	4592	3.42	25	0.39	0.08	1240	0.03	0.07
3051275	4593	4.65	24	0.46	0.08	1240	0.04	0.08
3051276	4594	1.31	30	0.21	0.08	1470	0.02	0.04
3051277	4595	2.54	46	0.13	0.14	1930	0.03	0.03
3051278	4596	0.764	120	0.15	0.35	1620	0.07	0.01
3051279	4597	1.82	101	0.25	0.3	2720	0.07	0.02
3051280	4598	2.78	107	0.36	0.3	1350	0.05	0.09
3051281	4599	0.601	109	3.61	0.34	1610	0.05	0.01
3051282	4600	2.14	143	1.73	0.26	873	0.03	2.35
3051283	4601	9.71	58	2.59	0.23	406	0.03	0.03
3051284	4602	3.25	89	3.03	0.33	654	0.05	0.01
3051285	4603	0.707	91	4.8	0.35	1240	0.05	0.01
3051286	4604	1.94	95	0.75	0.4	624	0.04	0.04
3051287	4605	2.19	76	0.41	0.31	692	0.02	0.03

**FC 11-05**

Sample #	Sample Number	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051288	4606	2.66	87	0.59	0.38	493	0.03	0.02
3051289	4607	1.67	82	0.24	0.36	281	0.03	0.03
3051290	4609	0.4	121	0.17	0.45	1220	0.04	0.02
3051291	4610	0.683	133	0.2	0.47	917	0.04	0.03
3051292	4611	0.128	95	0.12	0.38	659	0.04	0.03
3051293	4612	0.113	92	0.13	0.39	724	0.04	0.02
3051294	4613	0.029	90	0.13	0.36	627	0.04	0.01
3051295	4614	0.68	112	0.15	0.36	589	0.04	0.01
3051296	4615	0.91	115	0.21	0.34	574	0.03	0.02
3051297	4616	7.68	45	0.46	0.27	187	0.02	2.29
3051298	4617	5.24	113	0.51	0.34	95	0.02	2.06
3051299	4618	>10	53	0.13	0.3	108	0.02	6.68
3051300	4619	1.82	145	0.17	0.35	605	0.02	0.13
3051301	4620	2.54	138	0.22	0.32	481	0.02	0.22
3051302	4621	>10	14	0.08	0.15	451	0.02	0.3
3051303	4622	1.54	140	0.47	0.3	368	0.03	0.05
3051304	4623	2.22	171	3.45	0.42	3360	0.03	0.14



# FC 11-06

Sample #	Sample	From	To	Sample	Description	Cu	Zn	Pb
	Number	metres	metres	Interval (m)		ppm	ppm	ppm
3051305	4624	1.7	3.2	1.5	Volcaniclastic, reddish iron oxidation, <2% quartz vein, 5-7 % stringers, disseminated and semi massive sulphide	387	1410	123
3051306	4625	3.65	5	1.35	volcaniclastic, reddish iron oxidation, <1% quartz vein, 5-7 % stringers, disseminated and semi massive sulphide	1520	7320	826
3051307	4626	7.3	9.15	1.85	Volcaniclastic, <1% smokey quartz, 1-2 % disseminated pyrite cubes, weak chlorite and sericite alteration	339	2540	1430
3051308	4627	9.15	9.54	0.39	Volcaniclastic, up to 30% quartz vein, trace chrome mica (fuschite), up to 1% pyrite ± chalcopyrite	551	1580	703
3051309	4628	9.54	9.9	0.36	Volcaniclastic, <1% quartz vein, 3-5% zinc + pyrite ± chalcopyrite	815	>10000	>10000
3051310	4629	16.7	17.66	0.96	Volcaniclastic, up to 3% blue quartz with biege alteration?, <1% pyrite	400	367	124
3051311	4630	17.66	19.2	1.54	Volcaniclastic, up to 3 % smokey-blue quartz, 2-3% zinc + pyrite ± chalcopyrite, weak chlorite and sericite alteration	363	576	400
3051312	4631	20.42	21.5	1.08	Volcaniclastic, up to 2 % smokey-blue quartz, <2% disseminated pyrite cubes, weak chlorite and sericite alteration	362	703	77.6
3051313	4632	23.47	24.76	1.29	Volcaniclastic, <1% quartz vein, <1% disseminated pyrite cubes, weak chlorite and sericite alteration	214	488	169
3051314	4633	25	25.35	0.35	Argillite, 1-2% chrome mica (fuschite), 2-3% pyrite ± chalcopyrite	420	2020	1730
3051315	4634	25.35	26.8	1.45	Argillite, 1-2% chrome mica (fuschite), <1% disseminate pyrite cubes, traces of weak biege alteration?	95.6	851	305
3051316	4635	30.65	32.48	1.83	Argillite, up to 2% smokey quartz, graphitic, <<1% pyrite	34	87.8	34.6
3051317	4636	33	33.6	0.6	Argillite, up to 1% smokey quartz, graphitic, <<1% pyrite, weak chlorite alteration	125	78.2	56.5
3051318	4637	36.2	37.7	1.5	Volcaniclastic, <1% quartz vein, up to 5 % chrome mica, up to 10% semi masive sulphide, weak chlorite and sericite alteration	87.8	61.3	4.6
3051319	4638	38.82	39.2	0.38	Volcaniclastic, <<1% quartz vein, <1% stringers and disseminated pyrite, weak chlorite alteration	177	132	55.8
3051320	4639	39.2	39.68	0.48	Volcaniclastic, <1% quartz vein, up to 3 % chrome mica, 1-2% stringers and disseminated pyrite, weak sericite alteration	238	1230	589
3051321	4640	40.25	41	0.75	Volcaniclastic, <1% quartz vein, < 1% disseminated pyrite, weak chlorite and sericite alteration	27.6	79.4	13.7
3051322	4641	41	42.33	1.33	Volcaniclastic, <1% quartz vein, < 1% disseminated pyrite, weak chlorite and sericite alteration	28.6	129	24.1
3051323	4642	41	42.33	1.33	Duplicate of 4641	24.5	104	6.8
3051324	4643	42.33	43.28	0.95	Volcaniclastic, minor graphitic argillite, <2% disseminated pyrite, weak chlorite and sericite alteration	39.7	98.7	8.1

# FC 11-06

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %
3051305	4624	2.08	0.62	153	2.98	0.34	3	3.1	0.568	22.9	78.5	28.1	7.79
3051306	4625	4.42	0.04	165	5.46	1.48	7.1	8.5	1.74	20.6	40.6	16.3	18.5
3051307	4626	1.77	<0.01	104	1.94	0.92	1.4	2.3	0.277	34.8	705	257	12.6
3051308	4627	1.62	<0.01	210	2.13	0.53	1.2	2.2	0.446	61.3	441	211	12.2
3051309	4628	19.2	0.02	123	16.6	13.3	9	6.4	2.89	28.6	72.5	46.2	11.2
3051310	4629	0.72	<0.01	514	1.23	0.54	0.7	0.9	0.5	66.8	873	436	9.72
3051311	4630	0.96	<0.01	20.7	2.24	0.55	1.5	2.1	0.541	40.1	414	191	9.83
3051312	4631	0.69	<0.01	53.6	1.52	0.28	1.2	1.7	0.356	46.9	426	201	10.1
3051313	4632	0.53	<0.01	27.9	0.83	0.12	0.5	3.8	0.238	23.2	99	62	7.29
3051314	4633	1.91	<0.01	369	1.82	1.49	1.8	2.4	0.272	62.3	800	427	9.46
3051315	4634	0.6	<0.01	520	1.04	0.54	0.5	0.8	0.112	52.9	1020	409	7.43
3051316	4635	0.11	<0.01	36.1	0.39	0.11	<0.2	0.4	0.023	20.6	75.6	52.8	3.92
3051317	4636	0.53	<0.01	80.9	1.24	0.27	2.4	1.5	0.018	29.5	72.6	83.4	3.82
3051318	4637	0.11	<0.01	131	0.04	0.24	0.4	<0.2	0.051	41.4	268	236	5.7
3051319	4638	0.24	<0.01	721	0.04	1.26	0.4	<0.2	0.037	78.4	710	646	6.46
3051320	4639	0.86	<0.01	226	0.07	0.98	0.5	0.6	0.043	55.3	227	382	6.76
3051321	4640	0.04	<0.01	40.6	0.07	0.09	0.2	0.3	0.018	16.2	156	57.8	3.91
3051322	4641	0.05	<0.01	16.6	0.07	0.09	<0.2	0.3	0.02	14.4	63.6	40.7	3.85
3051323	4642	0.03	<0.01	11.3	0.07	0.08	<0.2	0.3	0.02	12.4	77.8	30	3.15
3051324	4643	0.08	<0.01	26	0.28	0.1	0.3	0.3	0.025	25.7	49.3	49.0	6.11

**FC 11-06**

Sample #	Sample	S	Ba	Ca	K	Mn	Na	Hg
	Number	%	ppm	%	%	ppm	%	ppm
3051305	4624	3.7	125	0.11	0.28	778	0.06	0.05
3051306	4625	>10	63	0.14	0.2	2260	0.1	0.17
3051307	4626	2.13	64	0.54	0.16	2000	0.03	0.07
3051308	4627	1.59	17	2.79	0.07	2520	0.03	0.05
3051309	4628	6.74	56	0.19	0.17	1780	0.05	0.63
3051310	4629	0.664	3	5.96	0.01	3660	<0.01	0.02
3051311	4630	1.79	84	0.83	0.22	2080	0.03	0.02
3051312	4631	1.82	71	1.31	0.18	2390	0.02	0.02
3051313	4632	1.06	138	0.25	0.36	1480	0.04	0.02
3051314	4633	3.8	55	6.24	0.16	5680	0.02	0.06
3051315	4634	0.658	42	7.78	0.13	4570	0.02	0.03
3051316	4635	0.083	134	0.28	0.39	1270	0.04	0.01
3051317	4636	2.31	78	0.84	0.23	1590	0.03	0.01
3051318	4637	0.381	21	8.32	0.06	3340	0.1	0.02
3051319	4638	0.578	30	10.3	0.11	4830	0.01	0.02
3051320	4639	1.62	63	9.51	0.2	6050	0.04	0.04
3051321	4640	0.694	88	1.77	0.26	2820	0.09	<0.01
3051322	4641	0.394	113	0.98	0.33	1850	0.11	<0.01
3051323	4642	0.26	93	0.71	0.26	1960	0.09	<0.01
3051324	4643	1.39	155	0.59	0.47	2280	0.1	<0.01

## FC 11-07

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm
3051325	4644	2.19	3.0	0.8	Volcaniclastic, light grey, <1% quartz vein, 1-2% stringers and disseminated pyrite, weak sericite alteration	195	1050	64.1
3051326	4645	3.0	4.0	1.0	Volcaniclastic, light grey, up to 1% quartz vein, 2-3% stringers and disseminated pyrite, weak sericite & chlorite alteration	611	5000	134
3051327	4646	4.0	5.0	1.0	Volcaniclastic, light grey, up to 2-3% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & chlorite alteration	1010	6790	747
3051328	4647	5.0	6.0	1.0	Volcaniclastic, light grey, up to <<1% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & chlorite alteration	1620	9020	1390
3051329	4648	6.0	6.9	0.9	Volcaniclastic, light grey, up to <<1% quartz vein, 3-5% semi massive sulphide, stringers and disseminated pyrite, weak sericite & medium chlorite alteration	1820	9480	1080
3051330	4649	9.42	11.28	1.9	Volcaniclastic, light grey, up to 1% stringers and disseminated pyrite, weak sericite & chlorite alteration	227	1020	1080
3051331	4650	11.28	11.88	0.6	Volcaniclastic, light grey, locally brecciated, up to 1% stringers and disseminated pyrite ± chalcopyrite, weak sericite & chlorite alteration	351	2580	1630
3051332	4651	13.3	14.2	0.9	Volcaniclastic, light grey, <<1% quartz vein, 2-3% stringers, blebs and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & medium chlorite alteration	528	7000	2040
3051333	4652	19.1	19.45	0.3	Jumbled zone of volcaniclastic, argillite and up to 60% white quartz vein with vugs of dissolved minerals, up to 1% disseminated pyrite cubes	822	1020	62.1
3051334	4653	21.1	22.5	1.4	Volcaniclastic, light-medium grey, up to 2% smokey-blue quartz, 1-2% stringers and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & chlorite alteration	469	465	68.4
3051335	4654	22.5	24.2	1.7	Volcaniclastic, light-medium grey, up to 2% smokey-blue quartz, up to 1% stringers and disseminated pyrite, locally weakly magnetic (pyrrhotite), weak sericite & chlorite alteration	301	364	47.3
3051336	4655	24.26	24.7	0.4	Argillite, 10-15% white quartz vein, trace disseminated pyrite	19.5	163	14.3
3051337	4656	29.0	29.5	0.5	Volcaniclastic, light-medium grey, up to 1% smokey-blue quartz vein, << 1% stringers and disseminated pyrite, weak sericite & chlorite alteration	83.1	177	7.3
3051338	4657	37.8	38.2	0.4	Graphitic argillite, brecciated, sheared, 1-2% pyrite + chalcopyrite, medium sericite and chlorite alteration	102	83.5	48.9
3051339	4658	38.2	39.0	0.8	Graphitic argillite, brecciated, sheared, 1-2% disseminated pyrite cubes, medium sericite and chlorite alteration	106	195	36.2

## FC 11-07

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm	Pb ppm
3051340	4659	39.0	39.8	0.8	Graphitic argillite, sheared, 1-2 % disseminated pyrite cubes, medium sericite and chlorite alteration	115	108	27.7
3051341	4660	41.15	41.7	0.6	Volcaniclastic, light-medium grey, <1% blue eye quartz, < 1 % stringers and disseminated pyrite, weak sericite & chlorite alteration	73.4	161	32.4
3051342	4661	42.1	43.07	1.0	Graphitic argillite, sheared, up to 2 % smokey quartz, 1-2 % disseminated pyrite cubes, medium sericite and chlorite alteration	165	95.4	17.3
3051343	4662	46.6	47.0	0.4	Volcaniclastic, light grey, <1% white quartz vein, up to 2% chrome mica (fuschite), << 1 % disseminated pyrite, weak sericite alteration	22.7	106	11.3
3051344	4663	52.85	54.35	1.5	Volcaniclastic, light grey, <1% white quartz vein, tr-1 % disseminated pyrite, weak sericite alteration	16.5	56.3	23.7
3051345	4664	55.95	57.0	1.1	Volcaniclastic, light grey, <1% white quartz vein, tr disseminated pyrite, weak sericite alteration	19.5	94.1	41.8
3051346	4665	58.25	59.8	1.6	Graphitic argillite, sheared, 1-2 % disseminated and patchy pyrite, medium sericite and chlorite alteration	87.9	70.2	35.6
3051347	4666	64.55	65.0	0.5	Volcaniclastic, light-medium grey, <<1% white quartz vein, up to 2% graphitic argillite zone, < 1 % disseminated pyrite cubes, weak sericite & chlorite alteration	56.5	1070	368
3051348	4667				STANDARD- PB114	2920	>10000	>10000

# FC 11-07

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %	S %
3051325	4644	1.0	0.01	59.6	1.62	0.08	0.9	1.9	0.385	9.8	56.2	23.6	4.76	0.844
3051326	4645	2.14	<0.01	77.5	2.99	0.13	3.9	4.1	2.18	9.5	79.5	21.5	8.76	3.67
3051327	4646	4.02	0.02	87.5	5.5	0.79	7.8	7.8	2.04	20	44.7	11.6	14.4	7.43
3051328	4647	4.86	0.03	159	5.44	1.22	8.9	6.6	1.97	28.9	82.3	28.3	17.7	>10
3051329	4648	4.59	0.03	153	5.59	0.67	6	6.7	1.71	23.2	143	45.1	19.2	>10
3051330	4649	1.27	<0.01	383	1.86	1.21	1.2	1	0.158	75.6	1510	471	10.4	2.41
3051331	4650	2.58	<0.01	281	6.13	0.67	3.4	1.1	0.551	89.4	1420	459	13.5	3.95
3051332	4651	3.86	<0.01	78.4	6.54	0.63	2.4	2	0.719	21.9	198	82	9.41	4.01
3051333	4652	0.96	<0.01	92	4.55	0.39	3.2	0.5	0.532	69.8	804	444	9.06	3.23
3051334	4653	0.59	<0.01	69.1	1.41	0.1	1.4	1.7	0.594	61.4	543	301	11.9	2.55
3051335	4654	0.51	<0.01	243	1.22	0.25	0.9	1.6	0.338	59.1	564	352	10.5	1.66
3051336	4655	0.07	<0.01	10.1	0.14	<0.05	0.2	0.9	0.147	4.2	124	9.7	3	0.167
3051337	4656	0.06	<0.01	108	0.2	0.09	<0.2	<0.2	0.042	51.9	375	171	8.15	0.087
3051338	4657	0.29	<0.01	65.6	0.67	0.11	2.6	0.2	0.02	19.6	51.8	66.1	4.56	2.16
3051339	4658	0.21	<0.01	45.5	0.41	0.11	1.4	<0.2	0.029	25.5	63.9	66.4	4.79	1.89

**FC 11-07**

Sample #	Sample Number	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm	Fe %	S %
3051340	4659	0.24	<0.01	80.3	0.66	0.31	1.8	0.2	0.019	52	50.5	90.6	6.63	3.87
3051341	4660	0.11	<0.01	32	0.13	0.14	0.8	<0.2	0.023	42.1	261	108	7.18	1.24
3051342	4661	0.23	<0.01	62.1	0.49	0.19	2.5	0.2	0.024	34.4	90.6	79.9	5.38	2.63
3051343	4662	0.04	<0.01	133	0.04	0.17	0.2	<0.2	0.029	51.2	262	246	6.3	0.154
3051344	4663	0.09	<0.01	23.1	0.12	0.06	<0.2	0.3	0.012	13.6	76.1	27.9	2.79	0.583
3051345	4664	0.18	<0.01	12.9	0.36	<0.05	<0.2	0.3	0.017	7.9	51	22	2.41	0.176
3051346	4665	0.38	<0.01	67.9	0.97	0.12	1.2	<0.2	0.024	33	31.9	60	4.6	2.46
3051347	4666	0.56	<0.01	22	0.57	0.22	0.4	1.6	0.05	11.9	56.7	22.9	3.3	1.23
3051348	4667	24.8	0.74	19.3	2.86	46.4	1.3	0.7	0.745	5.1	5.9	4.9	1.83	1.83

**FC 11-07**

Sample #	Sample Number	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051325	4644	172	0.11	0.37	683	0.07	0.02
3051326	4645	82	0.12	0.21	1010	0.11	0.1
3051327	4646	35	0.21	0.2	1510	0.14	0.16
3051328	4647	15	0.14	0.15	2020	0.05	0.2
3051329	4648	18	0.19	0.22	2600	0.08	0.21
3051330	4649	4	5.68	0.01	4260	<0.01	0.03
3051331	4650	<1	5.04	<0.01	3890	<0.01	0.06
3051332	4651	10	0.34	0.04	1430	0.05	0.17
3051333	4652	10	1.64	0.03	1770	<0.01	0.04
3051334	4653	75	1.29	0.2	2550	0.04	0.01
3051335	4654	92	3.1	0.25	3080	0.05	<0.01
3051336	4655	120	2.49	0.29	845	0.05	<0.01
3051337	4656	67	5.22	0.22	4340	0.03	<0.01
3051338	4657	106	0.7	0.36	2140	0.05	<0.01
3051339	4658	111	0.46	0.34	1760	0.05	<0.01



**FC 11-07**

Sample #	Sample Number	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051340	4659	151	0.16	0.49	1500	0.06	<0.01
3051341	4660	71	6.81	0.24	5910	0.08	<0.01
3051342	4661	152	1.04	0.44	2670	0.06	<0.01
3051343	4662	41	8.12	0.13	4890	0.04	0.01
3051344	4663	121	1.33	0.3	1450	0.09	<0.01
3051345	4664	159	1.51	0.29	1770	0.1	<0.01
3051346	4665	89	0.52	0.32	2120	0.06	<0.01
3051347	4666	131	1.31	0.37	2120	0.09	0.03
3051348	4667	105	1.62	0.31	652	0.04	3.65

## FC 11-08

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm
3051374	4668	5.0	6.1	1.1	Volcaniclastic, light-medium grey, 2-3% white quartz veins, 5-10% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration	1020	3800
3051375	4669	6.1	6.8	0.7	Volcaniclastic, light-medium grey, <1% white quartz veins, up to 30% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration	1820	>10000
3051351	4670	6.8	8.2	1.4	Volcaniclastic, light-medium grey, <1% white quartz veins, up to 20% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration	1320	>10000
3051352	4671	8.2	9.7	1.5	Volcaniclastic, light-medium grey, <1% white quartz veins, up to 10% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration	1360	7400
3051353	4672	11.3	11.7	0.4	Volcaniclastic, light-medium grey, up to 5% white quartz veins, 3-5% stringers and disseminated pyrite cubes, weak chlorite and sericite alteration	798	381
3051354	4673	13.6	13.8	0.2	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 20% stringers and semi massive-massive sulphide (pyrite + chalcopyrite), weak chlorite and sericite alteration	216	>10000
3051355	4674	16.4	17.7	1.3	Volcaniclastic, light-medium grey, up to 3% smokey-blue quartz veins, up to 1% disseminated pyrite, weak chlorite and sericite alteration	467	488
3051356	4675	18.7	20.1	1.4	Volcaniclastic, light-medium grey, 1-2% smokey-blue quartz veins, up to 1% disseminated pyrite, tr pyrrhotite and zinc stringers, medium chlorite and weak sericite alteration	526	712
3051357	8551	20.1	21.6	1.5	Volcaniclastic, light-medium grey, 1-2% smokey-blue quartz veins, up to 1% disseminated pyrite, tr pyrrhotite and zinc stringers, medium chlorite and weak sericite alteration	908	334
3051358	8552	21.6	22.5	0.9	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, tr disseminated pyrite, weak chlorite and sericite alteration	122	310
3051359	8553	24.4	25.2	0.8	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 5% stringers and disseminated pyrite, tr pyrrhotite and zinc stringers, weak chlorite and sericite alteration	139	1100
3051360	8554	25.5	26.1	0.6	Volcaniclastic, light-medium grey, <2% smokey-blue quartz veins, <1% disseminated pyrite cubes, weak chlorite and sericite alteration	268	1350

## FC 11-08

Sample #	Sample Number	From metres	To metres	Sample Interval (m)	Description	Cu ppm	Zn ppm
3051361	8555	27.0	28.04	1.0	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, up to 2% stringers and disseminated pyrite, tr zinc stringers, weak chlorite and sericite alteration	597	3350
3051362	8556	28.04	29.75	1.7	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, 1-2% stringers and disseminated pyrite, tr chrome mica (fuschite), weak chlorite and sericite alteration	204	1160
3051363	8557	38.7	39.7	1.0	Volcaniclastic + argillite 50/50, <2% smokey-blue quartz veins, up to 1% stringers and disseminated pyrite, weak chlorite and sericite alteration	106	282
3051364	8558	41.1	42.3	1.2	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, <<1% disseminated pyrite, weak chlorite and sericite alteration	80	93.6
3051365	8559	42.3	43.4	1.1	Volcaniclastic, light-medium grey, <1% smokey-blue quartz veins, <<1% disseminated pyrite, weak chlorite and sericite alteration	115	105
3051366	8560	43.4	43.7	0.3	Siltstone? Dark grey, <<1% disseminated pyrite, no discernable alteration	37.9	26.1
3051367	8561	60.9	62.1	1.2	Volcaniclastic, medium grey, tr disseminated pyrite, 1-3mm sub rounded biege-milky spots?, weak chlorite and sericite alteration	29	136
3051368	8562	63.0	64.3	1.3	Volcaniclastic, medium grey, <1% smokey-blue quartz, tr disseminated pyrite, tr chrome mica (fuschite), weak chlorite and sericite alteration	80.3	80.7
3051369	8563	74.05	74.2	0.2	Graphitic argillite, dark grey-black with up to 30% smokey-blue quartz, up to 4% pyrite + chalcopryrite, weak chlorite alteration	96	137
3051370	8564	74.5	75.0	0.5	White quartz vein with wall rock fragments (argillite), weak chlorite alteration	4.5	18.8
3051371	8565	77.6	78.0	0.4	Graphitic argillite with <1% quartz, up to 1-2% patchy pyrite, weak chlorite alteration	398	79.8
3051372	8566	82.8	83.5	0.7	Volcaniclastic, medium grey, 1-2% disseminated pyrite cubes, weak chlorite and sericite alteration	16.8	72.5
3051373	8567				STANDARD-PB115	5560	>10000

**Note:**

WCM Minerals Standard PB113 (certified for Pb=1.11%, Zn=1.40%, Cu=0.47%, Ag=22 g/t)

WCM Minerals Standard PB114 (certified for Pb=2.00%, Zn=1.12%, Cu=0.33%, Ag=26 g/tonne)

WCM Minerals Standard PB115 (certified for Pb=2.61%, Zn=1.65%, Cu=0.53%, Ag=17 g/tonne)

## FC 11-08

Sample #	Sample Number	Pb ppm	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm
3051374	4668	236	3.64	<0.01	90	5.68	0.22	4.8	5.3	1.58	8.4	76.4	23.4
3051375	4669	255	5.55	<0.01	2470	11.9	1.59	21.5	10.4	4.42	41.8	59.2	10.9
3051351	4670	414	4.58	0.03	334	7.14	0.83	10.8	7.9	2.86	23.8	37.9	12.9
3051352	4671	516	4.4	0.04	298	7.13	1.03	8.9	9.7	1.93	25.5	67.5	71.7
3051353	4672	426	2.22	<0.01	144	4.45	0.86	2.9	1.6	0.396	72	1100	535
3051354	4673	1540	3.83	<0.01	205	8.26	0.56	4.3	2.1	1.65	71.2	218	149
3051355	4674	78.2	0.95	<0.01	41.4	1.93	0.2	1	2.3	0.424	23	136	72.4
3051356	4675	72.9	0.61	<0.01	40	2.11	0.2	1	1.5	0.359	27.1	202	87.3
3051357	8551	107	1.15	<0.01	78.8	3.28	0.28	2.4	2	1.08	58.9	743	245
3051358	8552	89	0.5	<0.01	315	1.42	0.24	0.5	0.5	0.136	63.4	973	379
3051359	8553	240	0.82	<0.01	121	1.61	0.79	0.9	2.4	0.133	24	36.6	82.4
3051360	8554	435	1.77	<0.01	48.9	3.82	0.21	1.4	1.8	0.548	51.5	332	193

**FC 11-08**

Sample #	Sample Number	Pb ppm	Ag ppm	Au ppm	As ppm	Bi ppm	Sb ppm	Se ppm	Sn ppm	In ppm	Co ppm	Cr ppm	Ni ppm
3051361	8555	391	1.84	0.01	278	3.14	0.6	2.3	1.8	0.519	86.3	803	547
3051362	8556	292	0.51	<0.01	337	0.54	0.52	0.8	1.6	0.117	57.9	572	451
3051363	8557	33.5	0.25	<0.01	40.2	0.36	0.16	0.8	0.4	0.044	22	79.8	85.7
3051364	8558	13.9	0.08	<0.01	131	0.05	0.21	0.3	<0.2	0.037	46	322	193
3051365	8559	16.8	0.12	<0.01	112	0.05	0.23	0.6	<0.2	0.042	53.3	316	191
3051366	8560	10.9	0.06	<0.01	20.9	0.06	0.07	1.2	<0.2	0.011	6.3	70.1	23.9
3051367	8561	20.5	0.1	<0.01	28.6	0.18	0.08	0.3	0.3	0.027	16.8	73	44.9
3051368	8562	23.7	0.1	<0.01	104	0.13	0.17	0.3	<0.2	0.035	42.8	184	132
3051369	8563	12.2	0.16	0.01	43.5	0.99	0.15	1	0.5	0.038	28.7	63.4	57.3
3051370	8564	3.3	<0.01	<0.01	4.1	0.05	<0.05	<0.2	<0.2	0.025	4	155	15.5
3051371	8565	14.6	0.54	0.04	122	3.42	0.14	3.5	1.1	0.073	45.6	62.7	70.6
3051372	8566	3.8	0.05	0.01	29.8	0.28	0.08	0.7	0.3	0.017	8.6	104	26.4
3051373	8567	>10000	17.3	0.03	23.2	3.29	30.8	1.6	0.7	1.21	2.5	6.3	0.8

**FC 11-08**

Sample #	Sample Number	Fe %	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051374	4668	10.6	4.38	81	0.12	0.32	934	0.11	0.12
3051375	4669	21.3	>10	15	0.11	0.23	1390	0.11	0.27
3051351	4670	15.4	9.92	19	0.15	0.22	1010	0.11	0.32
3051352	4671	16.7	>10	25	0.17	0.36	1500	0.1	0.17
3051353	4672	11.9	4.64	9	2.01	0.03	2810	0.01	0.01
3051354	4673	14.6	8.22	17	1.24	0.06	1760	0.02	0.38
3051355	4674	7.81	1.36	146	0.32	0.4	1400	0.04	0.01
3051356	4675	7.77	1.44	129	0.64	0.34	1400	0.03	0.02
3051357	8551	13	2.97	47	1.54	0.14	2430	0.01	<0.01
3051358	8552	9.23	0.561	26	5.35	0.08	3500	<0.01	<0.01
3051359	8553	5.09	2.55	83	0.12	0.41	610	0.03	0.03
3051360	8554	12	1.81	72	0.44	0.19	2360	0.02	0.04

**FC 11-08**

Sample #	Sample Number	Fe %	S %	Ba ppm	Ca %	K %	Mn ppm	Na %	Hg ppm
3051361	8555	12.4	3.61	6	3.32	0.02	3350	<0.01	0.1
3051362	8556	8.29	1.85	72	4	0.19	3170	0.02	0.03
3051363	8557	5.07	1.45	173	0.36	0.47	1250	0.06	<0.01
3051364	8558	5.95	0.2	61	5.96	0.19	1790	0.06	<0.01
3051365	8559	6.69	0.526	55	7	0.18	2350	0.09	<0.01
3051366	8560	2.26	0.977	55	2.81	0.15	2080	0.1	<0.01
3051367	8561	3.84	0.314	118	1.79	0.29	1800	0.12	<0.01
3051368	8562	6.06	0.147	49	6.36	0.16	3010	0.09	<0.01
3051369	8563	5.43	2.14	126	0.32	0.41	567	0.05	<0.01
3051370	8564	4.04	0.041	17	0.32	0.03	186	<0.01	<0.01
3051371	8565	8.17	4.58	48	0.1	0.39	576	0.05	<0.01
3051372	8566	4.56	1.48	92	0.2	0.25	376	0.02	<0.01
3051373	8567	2.07	2.19	41	1.71	0.31	891	0.04	2.39

## **APPENDIX G**

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### **Black Bear Project – Analytical Data**



CLIENT NAME: BARKER MINERALS LTD.  
8384 TOOMBS DR.  
PRINCE GEORGE, BC V2K5A3

ATTENTION TO: LOUIS DOYLE

PROJECT NO:

AGAT WORK ORDER: 12V576298

DATE REPORTED: Apr 13, 2012

PAGES (INCLUDING COVER): 9

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

**\*NOTES**

VERSION 1: Please note that samples submitted for the Fire Assay procedures 202066 and 202063 were roasted prior to analysis.

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

# Certificate of Analysis

AGAT WORK ORDER: 12V576298

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Ore Grade Metals Package, ICP/ICP-MS finish (201274)															
DATE SAMPLED: Feb 20, 2012			DATE RECEIVED: Feb 20, 2012				DATE REPORTED: Apr 13, 2012				SAMPLE TYPE: Rock				
Sample Description	Analyte: Unit: RDL:	Ag ppm 0.05	Al % 0.01	As ppm 0.5	Au ppm 0.05	B ppm 5	Ba ppm 5	Be ppm 0.25	Bi ppm 0.05	Ca % 0.01	Cd ppm 0.05	Ce ppm 0.05	Co ppm 0.5	Cr ppm 2.0	Cs ppm 0.25
08601		0.32	0.68	3.0	<0.05	16	130	0.72	1.26	2.77	0.48	36.7	11.6	116	0.53
08602		0.09	1.52	2.9	<0.05	17	126	0.84	0.43	1.08	0.20	58.6	18.8	46.5	0.60
08603		0.09	1.13	17.6	<0.05	18	104	0.77	0.26	0.32	0.23	68.6	16.4	45.7	0.99
08604		216	0.06	6.3	0.69	10	<5	<0.25	2300	1.09	35.6	0.86	0.8	259	<0.25
08605		379	0.44	39.3	0.40	9	15	<0.25	1210	15.7	217	3.59	24.4	51.6	<0.25
08606		5.28	1.00	14.2	<0.05	15	41	0.72	14.7	8.26	45.6	9.27	10.7	53.8	0.38
08607		15.3	0.77	8.3	<0.05	21	113	0.70	46.5	1.18	8.31	45.4	14.1	74.3	0.74
08608		1.16	1.08	9.3	<0.05	19	213	1.05	1.60	0.11	0.65	18.9	1.8	73.0	0.43
08609		34.6	0.07	8.8	<0.05	11	11	0.40	96.7	19.6	73.0	8.77	9.9	27.1	<0.25
08610		>500	0.13	14.5	0.07	<5	17	<0.25	4320	0.06	64.6	1.00	<0.5	279	<0.25
08614		2.15	<0.01	0.7	8.49	<5	<5	<0.25	310	<0.01	<0.05	0.09	24.4	311	<0.25
08615		6.36	0.02	3.5	2.08	14	<5	<0.25	182	1.92	7.45	1.60	22.4	186	<0.25
Sample Description	Analyte: Unit: RDL:	Cu ppm 0.5	Fe % 0.01	Ga ppm 0.25	Ge ppm 0.25	Hf ppm 0.10	Hg ppm 0.05	In ppm 0.025	K % 0.01	La ppm 0.5	Li ppm 0.5	Mg % 0.01	Mn ppm 5	Mo ppm 0.25	Na % 0.01
08601		64.5	3.05	2.32	0.74	0.17	<0.05	<0.025	0.42	13.9	4.1	0.83	628	11.3	0.02
08602		42.7	4.61	4.70	0.84	0.12	<0.05	0.026	0.48	22.4	20.3	1.02	425	1.88	0.03
08603		22.0	4.66	3.95	0.76	0.32	<0.05	<0.025	0.41	26.4	13.1	0.43	995	7.12	0.02
08604		48.5	1.95	<0.25	0.61	<0.10	<0.05	0.030	0.01	<0.5	1.0	0.02	505	31.6	<0.01
08605		31.5	12.9	1.43	0.56	<0.10	0.44	2.37	0.02	1.2	2.7	0.79	5190	309	<0.01
08606		56.2	4.24	3.58	0.56	0.16	0.20	0.376	0.10	3.8	11.0	0.77	3220	178	<0.01
08607		28.9	4.79	2.47	0.70	0.17	<0.05	0.093	0.47	19.8	4.5	0.66	667	20.4	0.03
08608		5.1	0.67	3.41	0.73	0.36	0.13	<0.025	0.20	9.4	14.5	0.02	108	3.00	<0.01
08609		8.6	4.83	0.45	0.48	0.23	0.11	0.557	0.02	3.2	1.4	3.51	7049	854	0.01
08610		29.7	0.98	<0.25	0.55	<0.10	<0.05	<0.025	0.02	<0.5	0.7	<0.01	43	6.67	0.03
08614		203	9.50	<0.25	0.52	<0.10	<0.05	<0.025	<0.01	<0.5	<0.5	<0.01	37	3.25	<0.01
08615		366	7.79	<0.25	0.72	<0.10	<0.05	0.060	<0.01	0.6	0.9	0.31	787	82.9	<0.01

Certified By: \_\_\_\_\_

# Certificate of Analysis

AGAT WORK ORDER: 12V576298

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Ore Grade Metals Package, ICP/ICP-MS finish (201274)															
DATE SAMPLED: Feb 20, 2012			DATE RECEIVED: Feb 20, 2012					DATE REPORTED: Apr 13, 2012				SAMPLE TYPE: Rock			
Sample Description	Analyte: Unit: RDL:	Nb ppm 0.25	Ni ppm 1.0	P ppm 50	Pb ppm 0.5	Rb ppm 0.5	Re ppm 0.005	S % 0.005	Sb ppm 0.25	Sc ppm 0.5	Se ppm 1.0	Sn ppm 1.0	Sr ppm 1.0	Ta ppm 0.05	Te ppm 0.05
08601		<0.25	33.0	506	49.4	22.0	0.013	1.08	0.31	3.0	2.4	<1.0	168	<0.05	0.15
08602		<0.25	34.0	1190	18.6	24.6	0.010	0.823	0.25	3.3	1.8	<1.0	77.7	<0.05	0.09
08603		<0.25	54.5	562	9.4	22.1	0.007	0.270	0.73	3.4	<1.0	<1.0	34.5	<0.05	0.07
08604		<0.25	7.7	<50	>50000	0.6	<0.005	2.64	34.9	0.5	99.1	3.8	92.9	<0.05	33.4
08605		<0.25	22.3	122	>50000	1.2	0.035	13.5	10.3	15.3	92.7	1.6	1760	<0.05	21.0
08606		<0.25	27.0	339	615	5.8	0.024	3.32	1.85	7.2	4.4	<1.0	554	<0.05	0.93
08607		<0.25	32.0	508	2460	22.9	0.012	0.797	0.88	3.7	7.8	<1.0	105	<0.05	1.26
08608		<0.25	3.6	87	98.0	8.9	<0.005	0.086	<0.25	1.5	<1.0	<1.0	12.4	<0.05	0.11
08609		0.27	51.5	226	22300	1.0	0.094	4.04	6.24	13.5	23.5	<1.0	2230	<0.05	4.55
08610		<0.25	3.8	<50	>50000	0.8	<0.005	3.22	100	<0.5	199	8.2	20.7	<0.05	78.0
08614		<0.25	33.3	<50	169	<0.5	<0.005	5.44	<0.25	<0.5	1.9	<1.0	<1.0	<0.05	41.9
08615		<0.25	25.6	50	2490	<0.5	0.009	4.56	0.82	2.0	4.7	<1.0	208	<0.05	21.5
Sample Description	Analyte: Unit: RDL:	Th ppm 0.5	Ti % 0.005	Tl ppm 0.05	U ppm 0.25	V ppm 2.0	W ppm 0.25	Y ppm 0.25	Zn ppm 2.0	Zr ppm 2.0	Pb-OL % 0.05	Ag-OL ppm 0.5			
08601		7.0	<0.005	0.17	1.85	22.2	1.54	5.82	54.6	5.4					
08602		9.8	<0.005	0.18	1.40	24.2	1.24	7.29	128	5.6					
08603		11.0	<0.005	0.16	1.05	22.1	0.33	6.28	144	12.6					
08604		<0.5	<0.005	1.09	0.52	2.7	<0.25	5.52	66.6	<2.0	9.92				
08605		0.9	<0.005	0.71	0.67	14.6	0.66	50.3	13800	<2.0	5.18				
08606		3.8	<0.005	0.11	1.96	15.4	0.62	19.8	3720	6.4					
08607		8.8	<0.005	0.22	1.21	18.4	0.35	8.14	663	5.5					
08608		7.8	<0.005	0.08	0.74	<2.0	0.59	2.23	60.0	9.6					
08609		6.5	<0.005	0.09	2.79	21.9	9.43	22.5	2630	10.4					
08610		0.5	<0.005	1.40	0.50	3.3	<0.25	0.37	42.3	<2.0	21.0	570.6			
08614		<0.5	<0.005	<0.05	<0.25	6.3	<0.25	0.28	<2.0	<2.0					
08615		0.7	<0.005	<0.05	0.29	8.5	0.91	2.36	328	<2.0					

Comments: RDL - Reported Detection Limit  
Please note that samples submitted for the Fire Assay procedures 202066 and 202063 were roasted prior to analysis.

Certified By: \_\_\_\_\_

# Certificate of Analysis

AGAT WORK ORDER: 12V576298

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Ag Ore Grade, Gravimetric finish (202066)			
DATE SAMPLED: Feb 20, 2012	DATE RECEIVED: Feb 20, 2012	DATE REPORTED: Apr 13, 2012	SAMPLE TYPE: Rock
Sample Description	Analyte: Unit: RDL:	Sample Login Weight kg 0.01	Ag ppm 5
08601		1.63	<5
08602		1.64	<5
08603		0.82	<5
08604		1.08	638
08605		0.73	352
08606		1.01	<5
08607		1.10	16
08608		0.79	<5
08609		0.56	32
08610		1.06	1364
08614		0.49	12
08615		0.43	13

Comments: RDL - Reported Detection Limit  
Please note that samples submitted for the Fire Assay procedures 202066 and 202063 were roasted prior to analysis.

Certified By: \_\_\_\_\_

# Certificate of Analysis

AGAT WORK ORDER: 12V576298

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Ore Grade, ICP-OES finish (202063)				
DATE SAMPLED: Feb 20, 2012	DATE RECEIVED: Feb 20, 2012	DATE REPORTED: Apr 13, 2012	SAMPLE TYPE: Rock	
	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
Sample Description	RDL:	0.01	0.01	0.01
08601		0.02	<0.01	<0.01
08602		0.03	<0.01	<0.01
08603		0.02	<0.01	<0.01
08604		0.93	<0.01	<0.01
08605		0.46	<0.01	<0.01
08606		0.04	<0.01	<0.01
08607		0.03	<0.01	<0.01
08608		0.03	<0.01	<0.01
08609		0.04	<0.01	<0.01
08610		0.10	<0.01	<0.01
08614		10.8	<0.01	<0.01
08615		4.60	<0.01	<0.01

Comments: RDL - Reported Detection Limit  
Please note that samples submitted for the Fire Assay procedures 202066 and 202063 were roasted prior to analysis.

Certified By: \_\_\_\_\_

# Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V576298

PROJECT NO:

ATTENTION TO: LOUIS DOYLE

Solid Analysis												
RPT Date: Apr 13, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Fire Assay - Au, Pt, Pd Ore Grade, ICP-OES finish (202063)												
Au	1	3132426	0.02	0.02	0.0%	< 0.01	0.402	0.417	97%	90%	110%	
Pd	1	3132426	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Pt	1	3132426	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Aqua Regia Digest - Ore Grade Metals Package, ICP/ICP-MS finish (201274)												
Ag	1	3132426	0.32	0.36	11.8%	< 0.05				80%	120%	
Al	1	3132426	0.68	0.69	1.5%	< 0.01				80%	120%	
As	1	3132426	3.0	2.5	18.2%	3.3				80%	120%	
Au	1	3132426	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
B	1	3132426	16	17	6.1%	14				80%	120%	
Ba	1	3132426	130	132	1.5%	< 5				80%	120%	
Be	1	3132426	0.716	0.688	4.0%	< 0.25				80%	120%	
Bi	1	3132426	1.26	1.27	0.8%	< 0.05				80%	120%	
Ca	1	3132426	2.77	2.99	7.6%	< 0.01				80%	120%	
Cd	1	3132426	0.484	0.501	3.5%	< 0.05				80%	120%	
Ce	1	3132426	36.7	35.9	2.2%	< 0.05				80%	120%	
Co	1	3132426	11.6	12.3	5.9%	< 0.5	5.9	5.0	118%	80%	120%	
Cr	1	3132426	116	108	7.1%	< 2.0				80%	120%	
Cs	1	3132426	0.53	0.57	7.3%	< 0.25				80%	120%	
Cu	1	3132426	64.5	66.3	2.8%	< 0.5	3925	3800	103%	80%	120%	
Fe	1	3132426	3.05	3.32	8.5%	< 0.01				80%	120%	
Ga	1	3132426	2.32	2.28	1.7%	< 0.25				80%	120%	
Ge	1	3132426	0.74	0.68	8.5%	0.60				80%	120%	
Hf	1	3132426	0.17	0.16	6.1%	< 0.10				80%	120%	
Hg	1	3132426	< 0.05	< 0.05	0.0%	< 0.05	1.4	1.3	107%	80%	120%	
In	1	3132426	< 0.025	< 0.025	0.0%	< 0.025				80%	120%	
K	1	3132426	0.42	0.43	2.4%	< 0.01				80%	120%	
La	1	3132426	13.9	13.7	1.4%	< 0.5				80%	120%	
Li	1	3132426	4.1	4.1	0.0%	< 0.5				80%	120%	
Mg	1	3132426	0.83	0.88	5.8%	< 0.01				80%	120%	
Mn	1	3132426	628	622	1.0%	< 5				80%	120%	
Mo	1	3132426	11.3	11.1	1.8%	< 0.25				80%	120%	
Na	1	3132426	0.02	0.02	0.0%	< 0.01				80%	120%	
Nb	1	3132426	< 0.25	0.35		< 0.25				80%	120%	
Ni	1	3132426	33.0	32.8	0.6%	< 1.0				80%	120%	
P	1	3132426	506	518	2.3%	< 50				80%	120%	
Pb	1	3132426	49.4	49.4	0.0%	0.6				80%	120%	
Rb	1	3132426	22.0	21.6	1.8%	< 0.5	14	13	105%	80%	120%	
Re	1	3132426	0.0133	0.0124	7.0%	< 0.005				80%	120%	
S	1	3132426	1.08	1.17	8.0%	< 0.005	0.82	0.80	102%	80%	120%	
Sb	1	3132426	0.31	0.32	3.2%	< 0.25				80%	120%	
Sc	1	3132426	3.0	3.3	9.5%	< 0.5				80%	120%	
Se	1	3132426	2.4	2.6	8.0%	< 1.0	0.7	0.8	87%	80%	120%	
Sn	1	3132426	< 1.0	< 1.0	0.0%	< 1.0				80%	120%	

# Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V576298

PROJECT NO:

ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)												
RPT Date: Apr 13, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Sr	1	3132426	168	171	1.8%	< 1.0	333	290	114%	80%	120%	
Ta	1	3132426	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Te	1	3132426	0.146	0.144	1.4%	< 0.05				80%	120%	
Th	1	3132426	6.97	6.81	2.3%	< 0.5				80%	120%	
Ti	1	3132426	0.0041	0.0051	21.7%	< 0.005				80%	120%	
Tl	1	3132426	0.165	0.163	1.2%	< 0.05				80%	120%	
U	1	3132426	1.85	1.81	2.2%	< 0.25				80%	120%	
V	1	3132426	22.2	25.1	12.3%	< 2.0				80%	120%	
W	1	3132426	1.54	2.01	26.5%	< 0.25				80%	120%	
Y	1	3132426	5.82	5.83	0.2%	< 0.25				80%	120%	
Zn	1	3132426	54.6	44.4	20.6%	< 2.0				80%	120%	
Zr	1	3132426	5.45	5.85	7.1%	< 2.0				80%	120%	
Aqua Regia Digest - Ore Grade Metals Package, ICP/ICP-MS finish (201274)												
Co	1					< 0.5	5.7	5.0	114%	80%	120%	
Cu	1					< 0.5	3767	3800	99%	80%	120%	
Rb	1					< 0.5	12	13	95%	80%	120%	
S	1					< 0.005	0.82	0.80	102%	80%	120%	
Sr	1					< 1.0	306	290	105%	80%	120%	

Certified By: \_\_\_\_\_

# Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V576298

PROJECT NO:

ATTENTION TO: LOUIS DOYLE

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS
Y	MIN-200-12017		ICP-MS



# Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V576298

PROJECT NO:

ATTENTION TO: LOUIS DOYLE

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
DIG - AR			
WGH-ARD			BALANCE
Pb-OL	MIN-200-12032		AA
Zn-OL	MIN-200-12032		AA
Ag-OL	MIN-200-12032		AA
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12004		GRAVIMETRIC
FIRE ASSAY			
WGH-FA			BALANCE
Au	MIN-200-12006		ICP/OES
Pd	MIN-200-12006		ICP/OES
Pt	MIN-200-12006		ICP/OES
FIRE ASSAY			
WGH-FA			BALANCE
Drying @ 60°C			
Crush to 75% passing 2mm			
Split to 250g			
Transit			
Pulverise to 85% passing 75µm			

## **APPENDIX H**

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### **Black Bear Project – Drill Hole Log**



### DDH BB-11-01 Lithology

Hole Number:

From	To	Code	From	To	Code	Description
0	3.2	CS/OB				Casing- Overburden
3.2	5.1	V3,V2FRA,GA,PY,CP				White quartz vein + quartz carbonate vein: reddish brown iron oxidation stains mostly along fractures, vugs of partly/totally leached sulphide mineralization, heavily fractured, up to 3% galena + pyrite ± argentite? ± chalcopyrite with relatively high spe
5.1	18.1	S1A,FRA,GA,PY,CP				Graphitic Argillite: dark grey-black, heavily fractured and locally talcy, graphitic, traces of reddish brown iron oxidation along fractures, trace pyrite, weak chlorite alteration, white quartz vein with up to 2% galena + pyrite ± chalcopyrite between 15
EOH						



DDH BB-11-02 Lithology

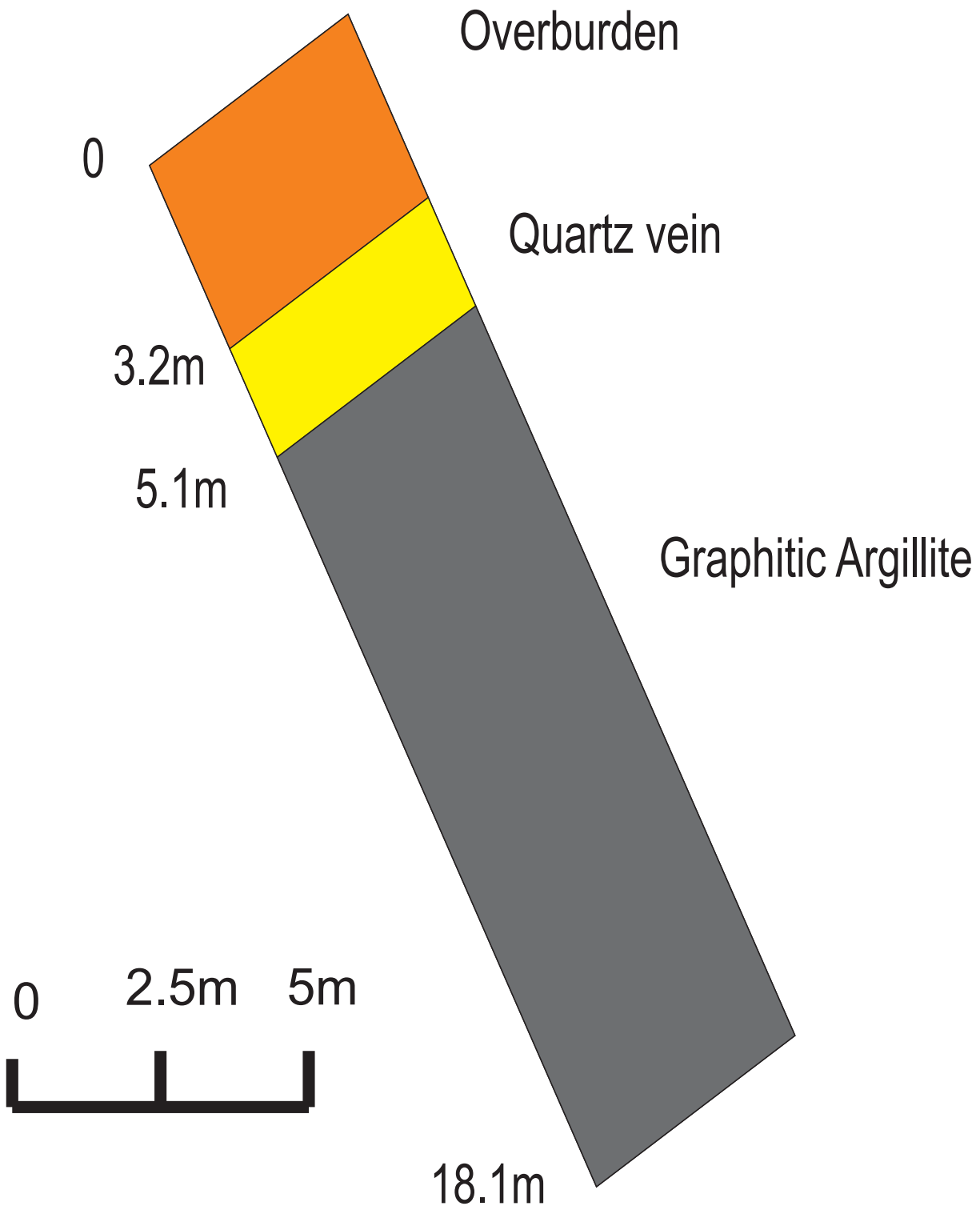
Hole Number:

From	To	Code	From	To	Code	Description
0	1.98	CS/OB				Casing- Overburden
1.98	5.0	V3,V2FRA,GA,PY,CP				White quartz + quartz carbonate vein: reddish brown iron oxidation stains mostly along fractures, vugs of partly/totally leached sulphide mineralization, moderately-heavily fractured, up to 10 % galena + pyrite + fuschite (chromium mica) ± argentite? ± ch
5.0	18.9	S1A,FRA,GA,PY,CP				Graphitic Argillite: dark grey-black, heavily fractured and locally talcy, graphitic, traces of reddish brown iron oxidation along fractures, white quartz vein with <<1% galena + pyrite ± chalcopyrite and wall rock fragments around 7.2m and 15.5m, beddi
EOH			15.45	15.5	PO	weakly magnetic with << 1% fracture controlled pyrrhotite in white quartz vein

# APPENDIX I

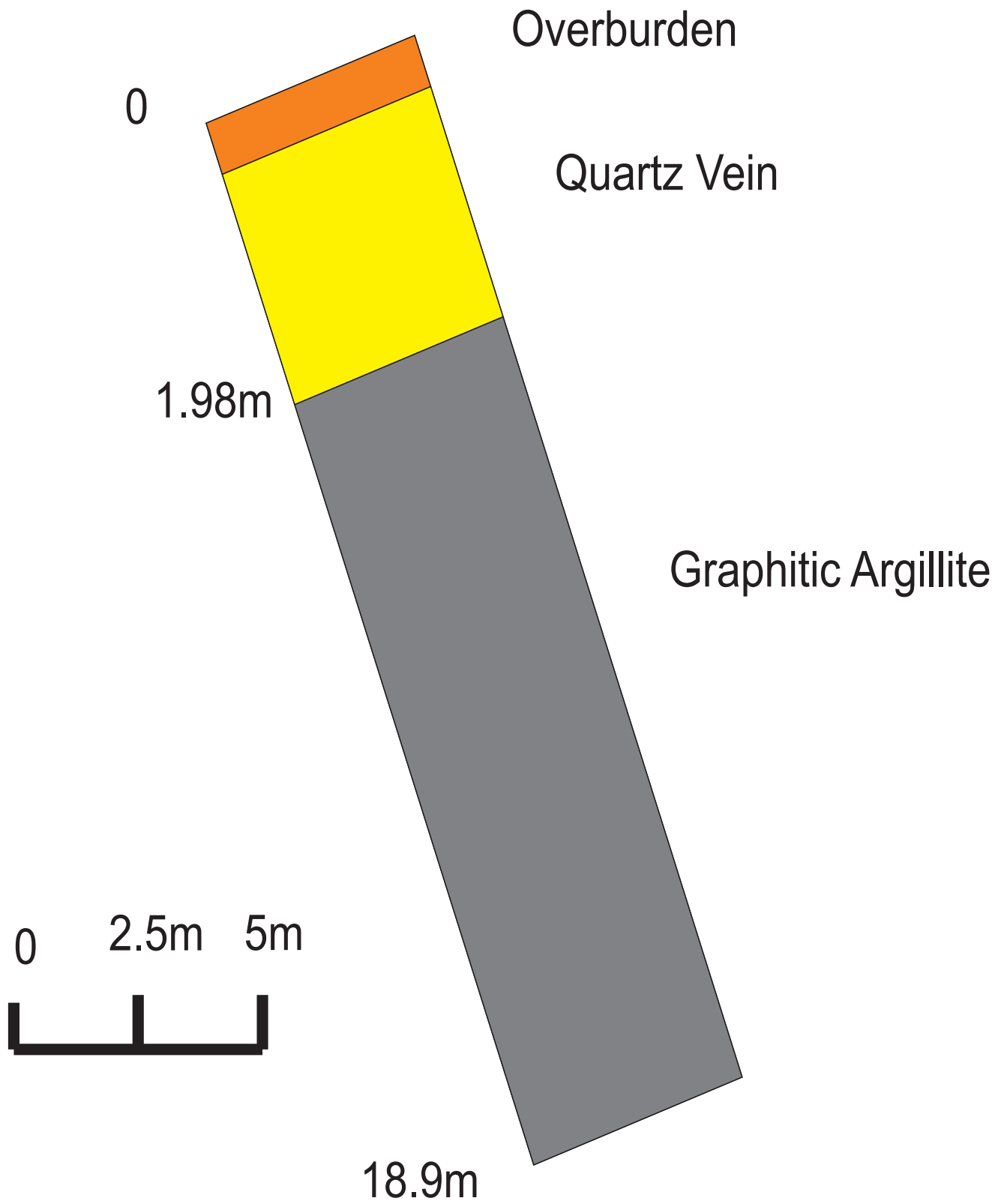
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## Black Bear Project – Drill Hole Sections



**BB 11-01 DRILL HOLE SECTION**  
(Azimuth/ Dip= 050/60)





**BB 11-02 DRILL HOLE SECTION**  
(Azimuth/ Dip= 050/70)

## APPENDIX J

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### Black Bear Project – Sample Descriptions

## 2011 Black Bear Sample Chart

### Drill Hole BB11-02

Sample #	From	To	Intercept	Comments
O8601	15.0m	16.0m	1.0m	footwall to vein, sericitite, minor Py, schist
O8602	16.0m	17.0m	1.0m	footwall to vein, sericitite, minor Py, schist
O8603	17.4m	18.9m	1.5m	footwall to vein, sericitite, minor Py, schist
O8604	1.98m	3.7m	1.72m	quartz vein with galena
O8605	3.7m	4.2m	0.5m	quartz vein with galena
O8606	4.2m	5.2m	1.0m	calcite vein with minor galena and Py
O8607	5.2m	6.2m	1.0m	footwall to vein, sericitite, minor Py, schist

### Drill Hole BB11-05

Sample #	From	To	Intercept	Comments
O8608	3.0m	4.0m	1.0m	intrusive - heat and metal source?

### Bedrock Grab Samples

O8609	Upper Hunt quartz vein hostrock	silicified with gn and Py, lineated sulphides (primary?)		
O8610	New quartz vein above historic Providence workings, 2 metre thick			

## **APPENDIX K**

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### **Simlock Project – Sample Descriptions & Locations**

**Appendix I - Simlock - Sample Descriptions & Locations**

<b>Sample Tag #</b>	<b>Field #</b>	<b>UTM Coordinate</b>	<b>Sample Type</b>	<b>Description</b>
8568	SL-11-01	615503E; 5855121N	Outcrop	Metasediments, light grey-greenish with rusty red oxidation along fractures with 2-3mm wide quartz vein interbeds
8569	SL-11-02	615503E; 5855146N	Outcrop	White quartz vein + quartz carbonate vein with rusty red stains of totally leached sulphide (pyrite)
8570	SL-11-03	615523E; 5855153N	Outcrop	White quartz vein + quartz carbonate vein with rusty red stains and vuggy structures of totally-partially leached sulphide (pyrite)
8571	SL-11-04	615523E; 5855153N	Outcrop	Metasediments, light grey with rusty red oxidation with 2-3mm wide leached quartz veins
8572	SL-11-05	615547E; 5855184N	Outcrop	Metasediments, greenish with traces of chrome mica (fuschite), moderately oxidized, rusty red oxidation tains, blebs/stringers of leached rusty red quartz veins.
8573	SL-11-06	615573E; 5855232N	Outcrop	Dark grey siltstone + limestone with quartz carbonate and iron carbonate veins
8574	SL-11-07	615569E; 5855269N	Outcrop	Light grey, coarse grained volcanic rock? With quartz carbonate veins, reddish oxidation stains
8575	SL-11-08	614930E; 5857481N	Outcrop	Quartz vein with rusty red oxidation stains, vugs of partly leached sulphide, minor specks of a silvery colored mineral?, black soft mineral probably argentite?
8576	SL-11-09	614894E; 5857516N	Boulder	Moderately altered fine grained rock with lead grey soft mineral (argentite?)
8577	SL-11-10	615412E; 5855610N	Outcrop	Argillite and quartz vein, light - medium grey, moderately oxidized with rusty red stains, traces of partly leached mineralization in the quartz veins
8578	SL-11-11	615423E; 5855624N	Outcrop	Argillite and quartz vein, light - medium grey, moderately oxidized with rusty red stains, traces of partly leached mineralization in the quartz veins
8579	SL-11-12	615394E; 5855657N	Outcrop	Intensely leached Argillite and quartz vein, light - medium grey, intensely oxidized with rusty red stains, totally leached initial mineralization in the quartz veins leaving behind a gossanous outcrop
8580	SL-11-13	613914E; 5857036N	Outcrop	Schist/phyllite with abundant malachite staining
8581	SL-11-14	613969E; 5857067N	Outcrop	Schist and quartz vein with vugs of totally leached sulphide mineralization, greenish tint of chlorite
8582	SL-11-15	613818E; 5858244N	Outcrop	Schist with carbonate mineral (cacite) and sulphide mineralization (pyrite + arsenopyrite + bornite?)
8583	SL-11-16	613820E; 5858244N	Outcrop	Limestone with calcite and sulphide mineralization (tr bornite + pyrite), rusty red oxidation stains, reddish mineral (realgar?)
8584	SL-11-17	613732E; 5857344N	Boulder	Greenish rock with traces of lamination and traces of malachite staining
8585	SL-11-18	614471E; 5857924N	Outcrop	Extremely leached and oxidized schist/phyllite with up to 2% quartz vein, rusty red oxidation stains of totally leached original sulphide mineralization
8586	SL-11-19	614491E; 5857923N	Outcrop	Gossanous, intensely leached and oxidized rusty red schist/phyllite
8587	SL-11-20	614739E; 5857386N	Outcrop	Gossanous, intensely leached and oxidized rusty red schist/phyllite
8588	SL-11-21	614804E; 5857348N	Outcrop	Gossanous, intensely leached and oxidized rusty red schist/phyllite
8589	SL-11-22	614952E; 5857252N	Outcrop	Moderately-intensely leached grey schist with rusty red oxidation
8590	SL-11-23	615079E; 5857185N	Outcrop	Moderately-intensely leached grey schist with rusty red oxidation

## APPENDIX L

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### Simlock Project – Analytical Data

CLIENT NAME: BARKER MINERALS LTD.  
8384 TOOMBS DR.  
PRINCE GEORGE, BC V2K5A3

ATTENTION TO: Louis Doyle

PROJECT NO:

AGAT WORK ORDER: 12V564790

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Feb 01, 2012

PAGES (INCLUDING COVER): 36

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

**\*NOTES**

VERSION 1: Au - Aqua Regia Digestion - ICPMS Finish may exhibit coarse gold effects.



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
04526		1.11	12.9	1.12	300	<0.01	<5	132	0.23	4.39	0.44	1.64	35.5	20.2	91.8
04527		1.82	0.83	1.07	64.9	<0.01	<5	166	0.28	0.78	0.62	4.44	51.8	12.2	52.1
04528		2.51	1.07	0.93	67.9	<0.01	<5	171	0.28	0.38	0.97	3.10	35.0	11.2	72.5
04529		1.35	0.46	0.83	55.3	<0.01	<5	192	0.24	0.26	0.63	0.76	31.9	11.2	47.0
04530		0.59	2.21	0.27	34.4	<0.01	<5	66	0.08	2.60	1.09	1.50	9.55	6.8	205
04531		1.38	2.00	1.51	62.3	<0.01	<5	245	0.26	2.02	0.90	2.79	37.5	15.6	57.6
04532		3.22	2.12	1.75	156	<0.01	<5	217	0.21	3.40	0.18	0.59	46.0	14.8	57.4
04533		0.56	1.12	0.91	55.3	<0.01	<5	194	0.21	1.67	1.59	1.15	30.8	10.5	44.8
04534		1.62	1.18	2.31	39.4	<0.01	<5	197	0.24	0.41	0.20	0.97	55.5	15.7	51.9
04535		0.07	19.2	0.80	125	1.15	<5	185	0.11	1.56	3.43	88.2	8.51	3.0	11.3
04536		0.82	0.46	1.62	24.9	<0.01	<5	239	0.25	0.36	0.84	0.50	44.5	14.3	50.3
04537		1.31	2.02	0.82	22.8	<0.01	<5	144	0.20	0.31	0.35	1.00	24.8	14.0	67.9
04538		1.26	0.83	1.05	37.7	<0.01	<5	122	0.31	0.60	0.43	1.42	29.5	12.2	60.6
04539		2.44	2.35	5.40	81.7	<0.01	<5	32	0.07	0.94	0.40	0.71	39.5	24.5	43.7
04540		1.28	1.49	2.55	503	<0.01	<5	71	0.10	2.59	0.07	1.11	36.5	12.5	55.4
04541		1.26	0.62	1.92	19.3	<0.01	<5	121	0.16	1.27	0.10	0.19	38.9	17.2	55.0
04542		1.43	0.83	0.92	53.3	<0.01	<5	183	0.27	0.66	0.51	1.67	42.4	17.9	90.0
04543		1.21	1.41	0.62	61.5	<0.01	<5	166	0.20	0.29	0.67	0.65	28.9	13.7	149
04544		2.85	3.27	2.86	50.3	0.01	<5	134	0.14	3.01	0.17	2.54	35.4	23.0	68.3
04545		1.41	4.52	3.12	57.3	0.01	<5	112	0.11	6.04	0.13	4.01	30.4	18.8	68.3
04546		0.07	27.5	0.69	19.5	0.69	<5	187	0.20	2.89	1.61	39.7	12.3	4.4	7.1
04547		1.18	2.70	1.59	162	0.01	<5	32	0.07	5.66	0.07	1.73	23.7	68.7	97.9
04548		1.51	3.05	0.68	114	<0.01	<5	35	0.07	5.60	0.06	1.01	24.9	23.4	85.7
04549		3.62	3.34	0.38	361	<0.01	<5	25	<0.05	5.55	0.17	2.11	20.5	23.9	135
04550		2.99	4.11	0.59	117	<0.01	<5	31	<0.05	7.13	0.19	2.68	22.9	15.4	106
04551		1.45	3.47	1.28	185	<0.01	<5	23	<0.05	8.08	0.11	5.70	18.6	22.4	183
04552		2.41	4.93	2.94	55.2	0.02	<5	50	0.07	9.58	0.08	3.57	33.2	20.4	59.0
04553		2.61	3.18	2.41	85.3	0.15	<5	55	0.07	3.77	0.09	2.19	25.3	19.4	75.1
04554		2.47	4.22	2.85	241	0.02	<5	54	0.08	9.56	0.15	3.01	24.3	26.6	67.0
04555		2.32	1.19	1.94	20.2	<0.01	<5	114	0.12	2.46	0.19	0.24	38.6	11.4	95.5
04556		2.52	0.93	1.31	21.4	0.01	<5	142	0.16	5.74	0.14	0.40	48.6	19.4	64.2

Certified By:

*Ron Cardinal*





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
04557		0.35	16.4	0.76	8.5	0.05	<5	107	0.11	19.3	0.08	3.23	25.6	29.8	92.9
04558		1.47	1.04	1.07	20.0	<0.01	<5	133	0.15	1.47	0.11	0.76	31.7	14.9	28.7
04559		0.43	5.11	0.18	1440	>25	<5	16	<0.05	2.88	0.13	1.23	5.12	163	222
04560		0.52	0.91	0.91	224	2.96	<5	122	0.19	1.22	2.85	0.12	19.4	9.8	80.5
04561		0.07	16.2	0.74	24.8	0.05	<5	220	0.20	3.50	1.73	56.7	9.88	2.0	6.3
04562		0.46	2.58	0.88	476	2.36	<5	122	0.18	4.02	4.01	0.22	12.9	27.5	78.9
04563		0.58	0.80	0.50	485	2.85	<5	64	0.12	1.22	3.70	0.18	6.50	28.4	50.6
04564		1.11	0.29	0.70	60.1	0.17	<5	97	0.22	0.28	2.80	0.17	25.6	14.6	37.3
04565		0.51	0.13	0.66	64.7	0.06	<5	99	0.21	0.09	3.09	0.24	25.8	17.0	28.0
04566		0.28	0.18	0.76	120	0.02	<5	85	0.20	0.13	3.20	0.60	20.3	32.7	46.7
04567		0.63	0.14	0.64	53.7	<0.01	<5	62	0.15	0.28	0.67	0.33	38.0	21.1	31.1
04568		0.96	0.52	0.63	25.3	<0.01	<5	65	0.18	1.04	1.08	1.20	31.4	15.9	49.5
04569		1.60	0.14	0.61	17.6	<0.01	<5	68	0.20	0.30	0.85	0.37	46.2	14.4	42.9
04570		3.52	1.65	0.63	508	<0.01	<5	44	0.08	3.19	0.16	4.74	25.7	16.1	92.1
04571		3.30	1.94	1.67	223	<0.01	<5	14	0.06	2.90	0.26	6.69	24.2	10.6	117
04572		2.87	1.81	3.50	108	<0.01	<5	52	0.08	3.79	0.16	1.99	28.1	14.0	89.5
04573		2.27	4.50	2.21	154	0.02	<5	111	0.09	13.3	0.21	3.06	29.0	30.8	52.6
04574		3.91	2.62	1.75	61.1	<0.01	<5	27	<0.05	8.32	0.05	0.88	28.9	28.2	72.6
04575		3.69	6.14	0.83	486	<0.01	<5	16	<0.05	17.2	0.08	3.71	18.4	38.7	97.9
04576		0.06	23.6	0.55	18.7	0.64	<5	183	0.17	2.78	1.47	37.9	11.4	4.2	6.0
04577		2.88	9.53	1.16	967	0.06	<5	39	0.07	20.1	0.30	7.58	23.3	35.9	49.4
04578		2.21	18.7	1.54	1470	0.06	<5	41	0.06	26.3	0.31	9.04	17.7	31.2	63.4
04579		2.14	3.56	0.46	62.0	0.02	<5	57	0.08	6.29	0.12	0.90	21.2	19.2	121
04580		2.93	1.59	0.57	58.0	<0.01	<5	84	0.11	3.25	0.15	0.84	28.9	16.1	69.7
04581		0.63	2.14	0.48	2210	0.03	<5	52	0.06	5.15	0.06	5.89	20.2	65.7	39.2
04582		0.98	1.57	0.50	64.9	0.02	<5	61	0.09	4.89	1.20	1.79	18.8	32.9	65.3
04583		2.16	0.15	0.41	24.8	<0.01	<5	67	0.11	0.51	2.58	0.37	29.3	9.0	127
04584		0.87	0.06	0.92	23.0	<0.01	<5	138	0.22	0.57	4.48	0.29	30.3	20.0	22.0
04585		2.85	0.81	0.55	22.6	<0.01	<5	74	0.18	1.42	5.71	1.66	31.5	11.3	37.3
04586		0.98	0.23	0.71	106	<0.01	<5	96	0.19	0.40	4.15	0.21	26.6	17.4	50.1
04587		3.65	0.66	0.71	49.1	0.02	<5	89	0.21	1.09	4.85	7.60	26.8	17.3	32.5

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012	DATE REPORTED: Feb 01, 2012	SAMPLE TYPE: Drill Core												
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	
04588	1.39	3.40	3.00	196	0.01	<5	12	<0.05	5.56	0.42	17.8	15.7	16.4	46.3	
04589	1.24	2.54	2.37	395	<0.01	<5	72	0.10	6.01	0.27	2.24	19.6	13.0	43.9	
04590	1.52	3.28	1.53	169	0.02	<5	33	<0.05	8.21	0.08	9.46	16.2	40.8	47.5	
04591	0.80	9.96	0.84	398	<0.01	<5	15	<0.05	25.9	0.07	4.20	13.2	81.2	135	
04592	4.22	4.94	1.40	259	<0.01	<5	25	0.05	12.3	0.39	3.55	16.3	31.5	78.1	
04593	1.81	5.23	1.33	226	<0.01	<5	24	<0.05	14.1	0.46	4.40	15.5	29.6	103	
04594	3.49	1.82	2.84	33.7	<0.01	<5	30	0.07	3.61	0.21	2.92	33.2	14.8	57.2	
04595	4.29	2.15	2.16	87.2	0.02	<5	46	0.07	5.52	0.13	1.45	22.7	20.4	71.9	
04596	3.71	0.51	1.62	5.2	<0.01	<5	120	0.13	1.82	0.15	0.49	40.9	13.8	73.5	
04597	1.33	2.92	0.74	10.5	0.01	<5	101	0.12	19.4	0.25	1.18	32.5	34.2	34.2	
04598	2.39	3.41	0.63	72.4	0.01	<5	107	0.15	8.58	0.36	7.83	29.2	18.0	44.0	
04599	3.28	0.40	0.70	35.2	<0.01	<5	109	0.19	0.75	3.61	0.69	35.0	10.3	43.5	
04600	0.06	15.9	0.59	23.0	0.02	<5	143	0.16	3.37	1.73	53.4	10.1	2.0	5.8	
04601	1.49	1.67	0.47	491	5.54	<5	58	0.10	2.68	2.59	0.17	8.53	31.1	78.3	
04602	1.51	0.42	0.64	152	0.59	<5	89	0.19	0.46	3.03	0.14	19.2	15.7	83.7	
04603	2.24	0.13	0.75	38.8	0.02	<5	91	0.21	0.20	4.80	0.34	42.6	11.9	39.5	
04604	3.70	0.57	0.82	32.8	<0.01	<5	95	0.23	1.33	0.75	0.64	41.0	17.9	54.6	
04605	2.46	0.51	0.67	88.0	<0.01	<5	76	0.21	1.66	0.41	0.21	35.4	26.2	76.6	
04606	3.15	0.19	0.85	109	<0.01	<5	87	0.24	0.89	0.59	0.08	37.4	27.3	86.2	
04607	2.36	0.62	0.72	76.7	<0.01	<5	82	0.20	1.86	0.24	1.08	49.0	15.6	85.9	
04609	1.63	0.13	2.43	39.5	<0.01	<5	121	0.27	0.42	0.17	0.18	82.0	24.9	65.8	
04610	3.78	0.13	1.68	41.3	<0.01	<5	133	0.34	0.32	0.20	0.52	87.8	19.4	50.5	
04611	3.38	0.41	0.82	39.4	<0.01	<5	95	0.26	0.92	0.12	0.19	89.8	14.3	82.0	
04612	1.67	0.51	0.85	38.4	<0.01	<5	92	0.24	0.91	0.13	0.17	93.3	12.6	67.3	
04613	1.05	0.02	0.70	40.5	<0.01	<5	90	0.19	0.07	0.13	0.02	72.4	10.7	56.4	
04614	3.73	0.40	0.90	42.5	<0.01	<5	112	0.26	0.53	0.15	0.04	64.5	13.5	46.0	
04615	1.65	0.65	0.84	42.9	<0.01	<5	115	0.21	0.56	0.21	0.15	57.0	12.4	66.6	
04616	2.82	26.8	0.53	3810	0.04	<5	45	0.15	17.6	0.46	32.7	19.3	17.7	81.0	
04617	1.69	15.8	0.68	1980	0.02	<5	113	0.16	4.64	0.51	17.3	19.5	7.7	77.8	
04618	1.54	32.3	0.57	1420	0.05	<5	53	0.12	19.6	0.13	26.5	20.1	16.5	92.8	
04619	1.22	0.79	0.87	79.7	<0.01	<5	145	0.28	0.71	0.17	0.49	59.9	15.2	65.9	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Sample Login Weight kg	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
04620		2.05	2.35	0.67	207	<0.01	<5	138	0.18	2.66	0.22	2.94	34.5	15.6	59.7
04621		0.35	27.0	0.31	243	0.08	<5	14	0.06	43.8	0.08	6.77	10.7	66.1	63.1
04622		1.97	1.83	0.81	11.6	<0.01	<5	140	0.21	2.86	0.47	0.56	37.4	10.0	73.3
04623		0.07	19.7	0.70	123	2.21	<5	171	0.11	1.63	3.45	78.2	8.19	3.0	9.3
04624		3.08	2.08	0.65	153	0.62	<5	125	0.14	2.98	0.11	6.16	25.0	22.9	78.5
04625		3.00	4.42	0.66	165	0.04	<5	63	0.10	5.46	0.14	27.0	19.8	20.6	40.6
04626		4.20	1.77	5.04	104	<0.01	<5	64	0.16	1.94	0.54	8.98	18.8	34.8	705
04627		1.08	1.62	4.15	210	<0.01	<5	17	0.11	2.13	2.79	6.46	9.86	61.3	441
04628		0.75	19.2	1.80	123	0.02	<5	56	0.14	16.6	0.19	120	12.8	28.6	72.5
04629		2.54	0.72	5.35	514	<0.01	<5	3	0.14	1.23	5.96	0.96	11.8	66.8	873
04630		3.52	0.96	4.26	20.7	<0.01	<5	84	0.22	2.24	0.83	1.65	16.9	40.1	414
04631		2.20	0.69	5.23	53.6	<0.01	<5	71	0.24	1.52	1.31	2.35	20.4	46.9	426
04632		2.94	0.53	3.42	27.9	<0.01	<5	138	0.31	0.83	0.25	1.41	36.7	23.2	99.0
04633		0.90	1.91	2.75	369	<0.01	<5	55	0.17	1.82	6.24	9.10	7.20	62.3	800
04634		2.87	0.60	3.49	520	<0.01	<5	42	0.18	1.04	7.78	3.27	13.1	52.9	1020
04635		3.85	0.11	1.46	36.1	<0.01	<5	134	0.31	0.39	0.28	0.11	113	20.6	75.6
04636		0.91	0.53	0.48	80.9	<0.01	<5	78	0.20	1.24	0.84	0.15	39.2	29.5	72.6
04637		3.17	0.11	1.27	131	<0.01	<5	21	0.16	0.04	8.32	0.11	13.6	41.4	268
04638		0.79	0.24	2.47	721	<0.01	<5	30	0.17	0.04	10.3	0.07	11.5	78.4	710
04639		0.89	0.86	0.96	226	<0.01	<5	63	0.15	0.07	9.51	3.01	8.52	55.3	227
04640		1.68	0.04	0.90	40.6	<0.01	<5	88	0.20	0.07	1.77	0.10	36.6	16.2	156
04641		2.46	0.05	0.98	16.6	<0.01	<5	113	0.23	0.07	0.98	0.17	41.8	14.4	63.6
04642		1.35	0.03	0.77	11.3	<0.01	<5	93	0.25	0.07	0.71	0.10	49.9	12.4	77.8
04643		1.82	0.08	1.28	26.0	<0.01	<5	155	0.33	0.28	0.59	0.06	45.6	25.7	49.3
04644		1.95	1.00	0.82	59.6	0.01	<5	172	0.22	1.62	0.11	4.38	33.7	9.8	56.2
04645		1.97	2.14	0.73	77.5	<0.01	<5	82	0.14	2.99	0.12	17.7	19.4	9.5	79.5
04646		2.28	4.02	0.78	87.5	0.02	<5	35	0.11	5.50	0.21	23.9	20.0	20.0	44.7
04647		2.58	4.86	0.64	159	0.03	<5	15	0.08	5.44	0.14	30.2	14.8	28.9	82.3
04648		2.16	4.59	0.83	153	0.03	<5	18	0.12	5.59	0.19	33.1	17.4	23.2	143
04649		4.53	1.27	4.49	383	<0.01	<5	4	0.12	1.86	5.68	3.51	8.29	75.6	1510
04650		1.18	2.58	5.62	281	<0.01	<5	<1	0.13	6.13	5.04	9.42	8.51	89.4	1420

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
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CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
04651		2.15	3.86	2.13	78.4	<0.01	<5	10	0.12	6.54	0.34	26.2	15.0	21.9	198
04652		1.17	0.96	2.01	92.0	<0.01	<5	10	0.13	4.55	1.64	4.36	4.42	69.8	804
04653		3.24	0.59	5.10	69.1	<0.01	<5	75	0.26	1.41	1.29	1.17	16.6	61.4	543
04654		4.18	0.51	5.29	243	<0.01	<5	92	0.34	1.22	3.10	0.70	18.9	59.1	564
04655		1.11	0.07	0.68	10.1	<0.01	<5	120	0.24	0.14	2.49	0.53	36.9	4.2	124
04656		1.20	0.06	4.40	108	<0.01	<5	67	0.29	0.20	5.22	0.13	32.3	51.9	375
04657		0.86	0.29	1.18	65.6	<0.01	<5	106	0.41	0.67	0.70	0.14	44.1	19.6	51.8
04658		1.66	0.21	1.65	45.5	<0.01	<5	111	0.37	0.41	0.46	0.42	30.9	25.5	63.9
04659		1.82	0.24	1.91	80.3	<0.01	<5	151	0.39	0.66	0.16	0.09	48.2	52.0	50.5
04660		1.37	0.11	3.51	32.0	<0.01	<5	71	0.26	0.13	6.81	0.12	11.7	42.1	261
04661		2.44	0.23	1.82	62.1	<0.01	<5	152	0.38	0.49	1.04	0.11	47.3	34.4	90.6
04662		1.56	0.04	1.56	133	<0.01	<5	41	0.25	0.04	8.12	0.06	21.4	51.2	262
04663		3.60	0.09	0.80	23.1	<0.01	<5	121	0.23	0.12	1.33	0.10	39.7	13.6	76.1
04664		2.04	0.18	0.88	12.9	<0.01	<5	159	0.23	0.36	1.51	0.42	45.6	7.9	51.0
04665		3.78	0.38	0.74	67.9	<0.01	<5	89	0.30	0.97	0.52	0.30	32.8	33.0	31.9
04666		1.29	0.56	0.95	22.0	<0.01	<5	131	0.26	0.57	1.31	2.72	34.5	11.9	56.7
04667		0.07	24.8	0.74	19.3	0.74	<5	105	0.21	2.86	1.62	37.3	13.6	5.1	5.9
04668		2.67	3.64	0.93	90.0	0.02	<5	81	0.20	5.68	0.12	15.0	26.3	8.4	76.4
04669		1.48	5.55	0.79	2470	0.06	<5	15	0.11	11.9	0.11	38.6	12.4	41.8	59.2
04670		2.46	4.58	0.73	334	0.03	<5	19	0.14	7.14	0.15	49.0	16.1	23.8	37.9
04671		3.81	4.40	0.98	298	0.04	<5	25	0.18	7.13	0.17	25.0	21.9	25.5	67.5
04672		1.14	2.22	3.15	144	<0.01	<5	9	0.10	4.45	2.01	0.93	5.43	72.0	1100
04673		0.42	3.83	5.43	205	<0.01	<5	17	0.18	8.26	1.24	58.2	10.1	71.2	218
04674		2.99	0.95	3.39	41.4	<0.01	<5	146	0.35	1.93	0.32	1.48	36.2	23.0	136
04675		3.30	0.61	3.55	40.0	<0.01	<5	129	0.35	2.11	0.64	2.04	28.5	27.1	202
08551		3.44	1.15	5.99	78.8	<0.01	<5	47	0.26	3.28	1.54	0.37	13.8	58.9	743
08552		1.99	0.50	4.43	315	<0.01	<5	26	0.23	1.42	5.35	0.47	9.79	63.4	973
08553		0.78	0.82	1.25	121	<0.01	<5	83	0.40	1.61	0.12	3.47	28.5	24.0	36.6
08554		1.72	1.77	4.24	48.9	<0.01	<5	72	0.32	3.82	0.44	4.09	17.0	51.5	332
08555		2.32	1.84	4.98	278	0.01	<5	6	0.24	3.14	3.32	12.5	5.86	86.3	803
08556		4.02	0.51	3.03	337	<0.01	<5	72	0.27	0.54	4.00	3.98	7.30	57.9	572

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
08557		2.28	0.25	2.17	40.2	<0.01	<5	173	0.46	0.36	0.36	0.71	60.1	22.0	79.8
08558		2.75	0.08	2.82	131	<0.01	<5	61	0.24	0.05	5.96	0.15	28.5	46.0	322
08559		2.51	0.12	2.47	112	<0.01	<5	55	0.26	0.05	7.00	0.15	18.3	53.3	316
08560		0.68	0.06	0.69	20.9	<0.01	<5	55	0.23	0.06	2.81	0.08	22.0	6.3	70.1
08561		2.79	0.10	1.13	28.6	<0.01	<5	118	0.31	0.18	1.79	0.23	46.0	16.8	73.0
08562		3.18	0.10	1.39	104	<0.01	<5	49	0.17	0.13	6.36	0.09	22.7	42.8	184
08563		0.46	0.16	1.67	43.5	0.01	<5	126	0.42	0.99	0.32	0.26	43.1	28.7	63.4
08564		1.21	<0.01	1.64	4.1	<0.01	<5	17	1.98	0.05	0.32	0.03	4.38	4.0	155
08565		0.95	0.54	1.45	122	0.04	<5	48	0.34	3.42	0.10	0.13	22.0	45.6	62.7
08566		1.44	0.05	1.76	29.8	0.01	<5	92	0.36	0.28	0.20	0.04	25.5	8.6	104
08567		0.08	17.3	0.74	23.2	0.03	<5	41	0.24	3.29	1.71	52.3	11.2	2.5	6.3
08568		182	0.09	3.73	1.2	<0.01	<5	104	0.47	0.08	8.41	0.21	33.9	49.3	219
08569		1.16	<0.01	0.35	1.8	<0.01	<5	41	0.20	0.03	11.1	0.19	12.1	13.1	105
08570		2.71	<0.01	0.20	1.7	<0.01	<5	21	0.11	0.05	5.74	0.21	5.51	4.9	218
08571		2.50	0.03	2.08	0.6	0.01	<5	57	0.27	<0.01	6.13	0.12	34.2	40.6	31.2
08572		1.30	0.06	1.16	0.8	<0.01	<5	63	0.23	0.02	12.3	0.12	22.9	43.2	272
08573		2.45	0.09	0.37	29.4	<0.01	<5	21	0.08	0.21	>25	0.68	9.26	7.2	36.9
08574		2.86	0.09	1.90	23.2	<0.01	<5	58	0.14	0.04	7.30	0.12	19.8	26.6	37.7
08575		2.36	0.41	0.15	59.5	0.49	<5	15	0.09	1.49	5.91	0.73	9.80	8.1	101
08576		1.25	0.02	0.25	4.8	<0.01	<5	18	0.07	0.06	0.99	0.09	16.6	5.1	172
08577		1.42	0.03	1.43	13.4	0.01	<5	78	0.26	0.26	0.26	0.04	50.3	9.7	98.7
08578		3.45	<0.01	1.14	5.1	<0.01	<5	69	0.14	0.06	0.09	0.02	22.2	10.2	273
08579		1.48	0.01	1.08	10.7	<0.01	<5	57	0.28	0.14	2.75	0.11	37.0	32.9	145
08580		1.44	2.87	4.17	1.4	0.12	<5	13	0.38	2.15	4.44	0.13	39.9	52.5	38.6
08581		2.28	0.06	0.72	3.1	<0.01	<5	24	0.13	0.06	1.37	0.09	11.7	9.5	284
08582		2.46	0.62	1.60	49.3	0.01	<5	1	0.10	0.57	18.6	0.03	30.0	126	16.0
08583		3.30	0.16	0.35	5.8	<0.01	<5	3	0.07	0.40	>25	0.03	10.2	10.7	3.2
08584		2.61	0.06	2.48	3.4	<0.01	<5	43	0.22	0.04	14.3	0.11	9.83	38.5	53.1
08585		2.27	0.03	0.55	2.5	<0.01	<5	33	0.15	0.11	4.77	0.08	25.5	7.5	83.3
08586		1.58	0.01	0.64	17.3	<0.01	<5	71	0.21	0.06	1.38	0.08	36.7	9.0	87.4
08587		1.65	<0.01	0.62	2.5	<0.01	<5	61	0.21	0.05	0.21	0.07	50.4	4.9	131

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012		DATE RECEIVED: Jan 11, 2012				DATE REPORTED: Feb 01, 2012				SAMPLE TYPE: Drill Core					
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.1	0.5	
08588		3.11	<0.01	0.47	5.3	<0.01	<5	47	0.18	0.05	0.20	0.13	38.3	8.8	121
08589		3.76	0.02	0.56	3.1	<0.01	<5	51	0.24	0.08	1.10	0.14	46.2	8.7	107
08590		2.70	0.05	0.52	56.2	<0.01	<5	47	0.29	0.16	0.15	0.11	44.6	9.3	156

Certified By:

*Ron Cardinali*



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CLIENT NAME: BARKER MINERALS LTD.

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### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Unit: RDL:	ppm 0.05	ppm 0.1	% 0.01	ppm 0.05	ppm 0.05	ppm 0.02	ppm 0.01	ppm 0.005	% 0.01	ppm 0.1	ppm 0.1	% 0.01	ppm 1	ppm 0.05
04526		0.42	575	5.06	2.90	0.08	0.41	0.44	0.544	0.49	17.8	5.1	0.67	531	3.04
04527		0.42	68.2	2.23	3.44	0.07	0.46	0.57	0.095	0.41	26.6	11.0	0.75	520	6.01
04528		0.36	78.6	2.02	2.99	0.07	0.49	0.26	0.078	0.35	18.2	10.5	0.83	609	12.3
04529		0.31	46.9	1.95	2.13	0.05	0.46	0.09	0.024	0.33	16.8	6.8	0.57	248	16.1
04530		0.11	97.0	2.16	0.64	0.06	0.15	0.20	0.591	0.13	4.5	1.0	0.60	742	3.37
04531		0.47	145	4.65	3.56	0.09	0.59	0.41	0.176	0.54	18.2	9.4	0.77	658	1.22
04532		0.43	171	5.32	4.66	0.11	0.40	0.10	0.376	0.47	21.8	14.0	0.87	615	1.05
04533		0.37	49.1	2.93	2.31	0.06	0.53	0.12	0.068	0.38	16.4	6.1	0.90	1260	12.3
04534		0.38	116	5.86	6.53	0.10	0.40	0.10	0.137	0.37	27.2	32.0	2.08	1070	3.72
04535		0.42	4940	2.05	2.66	<0.05	0.05	0.12	0.437	0.46	4.3	1.6	0.25	3800	125
04536		0.44	43.3	3.17	4.03	0.08	0.44	0.02	0.016	0.39	22.7	22.1	1.18	512	6.23
04537		0.32	120	3.93	2.17	0.07	0.44	0.05	0.021	0.29	12.9	7.0	0.54	259	13.2
04538		0.43	59.4	3.44	2.39	0.07	0.73	0.11	0.039	0.32	16.4	8.4	0.47	254	10.3
04539		0.18	1070	14.2	20.4	0.16	0.16	0.09	1.51	0.10	17.9	56.3	3.32	2670	1.26
04540		0.26	279	7.67	7.71	0.14	0.19	0.15	0.449	0.21	18.7	28.4	1.42	1160	0.51
04541		0.35	428	7.53	6.43	0.12	0.40	0.07	0.460	0.29	18.8	24.6	1.66	2110	2.35
04542		0.47	144	4.03	2.73	0.08	0.71	0.15	0.083	0.35	22.1	8.1	0.87	534	12.7
04543		0.35	76.4	2.34	1.78	0.06	0.54	0.07	0.041	0.29	15.2	4.0	0.58	439	8.81
04544		0.35	1300	7.16	8.80	0.15	0.42	0.05	1.01	0.33	17.3	35.6	2.17	1620	1.62
04545		0.30	2020	8.77	9.55	0.16	0.37	0.08	1.41	0.28	14.7	40.0	2.57	2250	1.41
04546		1.43	3450	1.80	2.19	0.05	0.07	3.52	0.817	0.29	5.5	2.0	0.19	692	81.0
04547		0.18	2200	9.16	5.74	0.10	0.35	0.06	2.02	0.09	11.1	20.1	1.65	1100	2.49
04548		0.18	1490	7.95	2.53	0.09	0.33	0.03	1.60	0.12	11.6	5.8	1.38	1460	2.90
04549		0.17	1360	8.20	1.38	0.08	0.37	0.04	1.42	0.10	8.8	1.8	1.61	1030	11.1
04550		0.18	1020	7.32	2.07	0.08	0.31	0.04	1.60	0.11	9.8	4.6	1.66	1190	2.90
04551		0.13	889	7.71	5.00	0.09	0.34	0.08	1.71	0.08	8.3	17.6	1.65	1130	7.02
04552		0.20	2520	8.86	9.58	0.14	0.35	0.05	2.67	0.14	15.0	39.2	2.60	1910	0.60
04553		0.17	1470	9.22	8.29	0.12	0.32	0.04	1.84	0.15	11.3	32.7	2.13	1940	0.63
04554		0.20	2280	10.5	9.73	0.14	0.35	0.05	2.19	0.16	11.6	36.2	2.49	2230	0.95
04555		0.36	234	8.10	6.08	0.13	0.29	0.01	0.532	0.34	18.7	19.9	1.55	1770	1.07
04556		0.44	717	10.3	3.79	0.14	0.32	0.01	1.71	0.43	22.9	4.2	1.45	2190	0.81
04557		0.32	>10000	9.64	2.05	0.10	0.29	0.06	5.62	0.31	12.1	0.9	1.09	1430	0.83

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
04558	0.33	524	9.13	2.81	0.13	0.19	0.02	0.410	0.42	14.9	1.3	1.60	2110	0.35
04559	0.08	367	19.5	0.50	0.15	0.06	0.04	1.12	0.07	2.4	<0.1	0.05	64	1.03
04560	0.40	10.8	5.00	2.36	0.06	0.20	<0.01	0.037	0.42	8.4	0.8	1.01	501	0.72
04561	1.43	5650	2.00	2.29	0.05	0.06	2.34	1.34	0.32	4.8	1.7	0.18	890	49.9
04562	0.45	29.0	8.69	2.36	0.07	0.33	0.02	0.046	0.42	6.1	0.5	1.40	665	0.73
04563	0.25	16.2	10.1	1.23	0.07	0.32	0.02	0.046	0.25	3.0	0.2	1.18	837	0.83
04564	0.34	101	3.71	1.76	0.07	0.28	0.01	0.035	0.35	12.8	0.6	1.00	824	0.56
04565	0.39	73.8	3.83	1.79	0.06	0.36	0.01	0.025	0.34	12.9	0.6	0.87	951	0.43
04566	1.43	94.5	6.70	2.03	0.06	0.41	0.03	0.034	0.34	9.2	1.2	0.85	722	0.38
04567	0.48	66.1	5.59	1.71	0.09	0.32	0.04	0.092	0.29	18.4	1.9	1.48	1070	0.37
04568	0.37	35.8	4.38	1.62	0.07	0.28	0.05	0.039	0.29	14.9	1.2	1.36	955	0.50
04569	0.61	51.3	3.83	1.92	0.08	0.24	0.03	0.034	0.26	20.8	1.3	1.25	898	0.40
04570	0.23	343	7.13	2.05	0.08	0.40	0.06	0.679	0.17	12.6	5.1	1.70	1620	5.78
04571	0.12	299	6.41	6.23	0.08	0.41	0.08	0.944	0.05	11.6	39.7	2.38	1570	4.04
04572	0.14	376	7.64	10.3	0.11	0.36	0.06	0.569	0.10	13.2	67.2	2.91	1630	1.68
04573	0.25	3510	7.99	7.36	0.11	0.36	0.05	6.29	0.21	14.2	30.9	1.69	1590	0.82
04574	0.13	2230	6.94	7.54	0.08	0.34	0.02	2.53	0.06	13.3	31.2	1.75	1470	1.10
04575	0.13	3810	10.0	3.47	0.09	0.31	0.06	4.99	0.05	7.5	13.0	1.63	1450	1.59
04576	1.32	3240	1.74	1.72	<0.05	0.07	3.43	0.792	0.24	5.2	1.5	0.18	660	77.7
04577	0.22	4620	9.62	4.29	0.10	0.28	0.13	5.03	0.11	9.8	13.3	1.76	1840	1.12
04578	0.24	>10000	12.4	5.19	0.12	0.39	0.17	9.64	0.11	7.6	24.8	2.11	1750	0.91
04579	0.22	1430	7.17	1.52	0.08	0.15	0.03	2.04	0.10	10.1	17.1	1.73	1720	1.12
04580	0.32	509	7.11	1.61	0.09	0.32	0.03	0.688	0.23	14.8	14.0	1.67	1460	0.96
04581	0.24	966	15.2	1.33	0.14	0.23	0.07	2.76	0.19	8.7	0.9	0.90	1150	0.61
04582	0.22	640	9.28	1.20	0.08	0.31	0.04	0.582	0.19	8.1	1.7	1.50	1930	1.01
04583	0.21	92.3	2.56	1.26	<0.05	0.14	0.02	0.121	0.20	13.7	0.7	0.78	1090	1.06
04584	0.46	101	5.35	2.56	0.06	0.38	0.02	0.109	0.44	14.5	0.9	1.37	1240	0.55
04585	0.31	27.3	3.04	1.53	<0.05	0.15	0.03	0.102	0.27	14.5	0.8	1.89	1830	0.48
04586	0.37	69.6	3.80	1.88	<0.05	0.29	0.01	0.045	0.36	13.4	0.9	1.21	986	0.62
04587	0.34	110	3.52	1.83	<0.05	0.28	0.10	0.379	0.36	12.8	0.7	1.26	1340	0.52
04588	0.10	886	11.2	9.93	0.11	0.44	0.22	3.54	0.04	7.3	52.5	2.93	2170	0.57
04589	0.21	614	7.25	8.09	0.12	0.34	0.04	1.29	0.16	9.7	38.9	1.88	1350	0.54

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
04590	0.14	2220	12.1	5.30	0.11	0.23	0.14	3.08	0.09	7.5	19.8	1.78	2270	1.28
04591	0.11	7300	13.5	3.18	0.11	0.29	0.06	4.91	0.06	5.8	8.0	1.31	1330	3.70
04592	0.13	2040	8.35	6.09	0.10	0.39	0.07	2.28	0.08	6.5	20.5	1.70	1240	1.57
04593	0.12	2080	9.75	5.03	0.09	0.35	0.08	2.37	0.08	6.3	17.5	1.77	1240	1.33
04594	0.12	851	7.39	9.73	0.10	0.31	0.04	1.10	0.08	14.8	49.9	2.70	1470	0.61
04595	0.19	885	9.43	7.74	0.11	0.31	0.03	1.13	0.14	10.0	31.4	2.12	1930	0.85
04596	0.39	255	7.89	5.16	0.12	0.33	0.01	0.355	0.35	20.4	12.6	1.41	1620	0.95
04597	0.33	1910	11.2	2.15	0.11	0.35	0.02	2.28	0.30	15.4	1.6	1.67	2720	0.51
04598	0.29	481	6.28	1.79	0.08	0.30	0.09	0.949	0.30	14.1	1.0	0.98	1350	0.53
04599	0.32	124	3.78	1.92	0.06	0.26	0.01	0.112	0.34	16.6	0.7	1.42	1610	0.63
04600	1.32	5540	1.97	1.83	0.05	0.06	2.35	1.25	0.26	4.9	1.4	0.17	873	48.6
04601	0.24	2.5	9.27	1.24	0.07	0.23	0.03	0.024	0.23	4.0	0.4	0.91	406	0.85
04602	0.32	92.6	4.57	1.67	<0.05	0.33	0.01	0.050	0.33	9.8	0.5	0.98	654	1.13
04603	0.34	29.2	3.57	1.99	<0.05	0.24	0.01	0.031	0.35	20.7	0.9	1.23	1240	0.56
04604	0.47	89.0	4.54	2.26	0.08	0.38	0.04	0.066	0.40	19.8	1.3	1.01	624	0.66
04605	0.40	110	5.27	2.13	0.08	0.42	0.03	0.061	0.31	17.6	2.4	1.33	692	1.24
04606	0.43	51.0	3.94	2.50	0.05	0.51	0.02	0.035	0.38	18.8	4.4	0.88	493	1.08
04607	0.38	112	3.29	2.20	0.07	0.39	0.03	0.099	0.36	23.9	2.0	0.55	281	1.42
04609	0.41	41.9	6.37	6.46	0.15	0.34	0.02	0.067	0.45	41.2	31.6	1.67	1220	0.47
04610	0.54	45.4	5.53	4.98	0.15	0.44	0.03	0.100	0.47	47.0	24.2	1.42	917	0.35
04611	0.39	37.8	3.42	2.70	0.11	0.40	0.03	0.047	0.38	46.6	4.8	1.16	659	1.06
04612	0.37	44.0	3.95	2.79	0.11	0.38	0.02	0.053	0.39	48.6	5.0	1.36	724	1.11
04613	0.27	1.2	3.77	2.05	0.11	0.21	0.01	0.037	0.36	34.7	0.9	1.31	627	0.53
04614	0.35	77.6	3.77	2.71	0.10	0.60	0.01	0.034	0.36	33.3	5.3	1.13	589	0.86
04615	0.34	72.0	3.50	2.73	0.10	0.49	0.02	0.035	0.34	28.8	4.9	1.09	574	0.90
04616	0.30	1160	8.69	1.89	0.11	0.59	2.29	1.46	0.27	8.8	1.2	0.29	187	6.51
04617	0.31	335	4.71	1.99	0.09	0.57	2.06	0.759	0.34	9.0	0.6	0.13	95	6.31
04618	0.47	1400	10.5	1.81	0.15	0.55	6.68	2.44	0.30	9.3	0.6	0.12	108	6.61
04619	0.52	34.8	4.80	2.48	0.09	0.38	0.13	0.066	0.35	30.1	6.0	1.47	605	1.26
04620	0.29	424	5.13	1.80	0.09	0.44	0.22	0.272	0.32	17.5	2.0	0.84	481	1.89
04621	0.22	4000	23.2	0.86	0.18	0.32	0.30	6.70	0.15	4.6	0.3	0.53	451	28.6
04622	0.40	213	3.56	2.26	0.06	0.38	0.05	0.211	0.30	18.6	3.6	0.77	368	1.66

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04623	0.40	4460	2.04	2.48	<0.05	0.05	0.14	0.427	0.42	4.2	1.3	0.24	3360	122	
04624	0.34	387	7.79	1.86	0.08	0.35	0.05	0.568	0.28	12.5	1.2	1.05	778	1.58	
04625	0.36	1520	18.5	2.13	0.14	0.48	0.17	1.74	0.20	9.5	1.2	1.54	2260	0.56	
04626	0.23	339	12.6	17.2	0.14	0.25	0.07	0.277	0.16	9.3	54.7	4.21	2000	1.00	
04627	0.13	551	12.2	13.3	0.10	0.12	0.05	0.446	0.07	4.4	50.5	5.35	2520	1.24	
04628	0.16	815	11.2	5.24	0.10	0.25	0.63	2.89	0.17	5.7	19.0	2.15	1780	0.55	
04629	0.07	400	9.72	14.8	0.08	0.09	0.02	0.500	0.01	5.5	62.9	7.24	3660	0.87	
04630	0.29	363	9.83	13.1	0.13	0.34	0.02	0.541	0.22	8.7	47.4	3.47	2080	1.08	
04631	0.20	362	10.1	15.1	0.13	0.24	0.02	0.356	0.18	9.8	64.3	4.59	2390	0.78	
04632	0.35	214	7.29	9.89	0.14	0.32	0.02	0.238	0.36	19.0	40.8	2.66	1480	0.51	
04633	0.16	420	9.46	7.42	0.06	0.24	0.06	0.272	0.16	3.5	30.0	4.91	5680	0.82	
04634	0.15	95.6	7.43	9.76	<0.05	0.15	0.03	0.112	0.13	6.4	40.7	6.22	4570	0.71	
04635	0.54	34.0	3.92	4.60	0.17	0.39	0.01	0.023	0.39	60.9	13.1	1.21	1270	0.73	
04636	0.61	125	3.82	1.54	0.09	0.60	0.01	0.018	0.23	20.7	0.7	0.86	1590	2.81	
04637	0.37	87.8	5.70	4.56	<0.05	0.04	0.02	0.051	0.06	5.8	10.8	4.86	3340	0.85	
04638	0.23	177	6.46	6.95	<0.05	0.10	0.02	0.037	0.11	5.3	27.9	6.67	4830	0.82	
04639	0.40	238	6.76	3.00	<0.05	0.03	0.04	0.043	0.20	4.3	5.5	4.87	6050	0.93	
04640	0.27	27.6	3.91	2.28	0.17	0.14	<0.01	0.018	0.26	17.0	3.3	1.56	2820	0.76	
04641	0.40	28.6	3.85	2.56	0.18	0.17	<0.01	0.020	0.33	19.6	2.1	1.32	1850	0.62	
04642	0.42	24.5	3.15	2.53	0.18	0.18	<0.01	0.020	0.26	23.5	2.0	1.04	1960	0.62	
04643	0.80	39.7	6.11	3.08	0.18	0.32	<0.01	0.025	0.47	22.8	2.3	1.66	2280	0.89	
04644	0.19	195	4.76	2.10	0.18	0.26	0.02	0.385	0.37	16.8	1.8	1.06	683	0.71	
04645	0.20	611	8.76	2.04	0.18	0.25	0.10	2.18	0.21	8.9	2.4	1.20	1010	0.88	
04646	0.23	1010	14.4	2.70	0.21	0.46	0.16	2.04	0.20	9.4	2.5	1.66	1510	0.80	
04647	0.25	1620	17.7	1.87	0.22	0.44	0.20	1.97	0.15	7.1	4.0	1.66	2020	1.38	
04648	0.27	1820	19.2	2.19	0.23	0.46	0.21	1.71	0.22	8.2	3.5	1.93	2600	1.79	
04649	0.07	227	10.4	14.1	0.18	0.04	0.03	0.158	0.01	3.8	67.0	6.52	4260	1.46	
04650	0.07	351	13.5	17.5	0.20	0.03	0.06	0.551	<0.01	3.9	84.4	6.74	3890	1.47	
04651	0.10	528	9.41	7.70	0.18	0.22	0.17	0.719	0.04	6.7	34.8	2.53	1430	1.62	
04652	0.06	822	9.06	8.09	0.19	0.06	0.04	0.532	0.03	1.9	40.5	2.32	1770	2.08	
04653	0.22	469	11.9	16.4	0.21	0.15	0.01	0.594	0.20	7.4	83.9	4.44	2550	1.45	
04654	0.23	301	10.5	16.7	0.17	0.18	<0.01	0.338	0.25	8.5	84.7	5.66	3080	1.07	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
04655	0.22	19.5	3.00	1.63	0.14	0.11	<0.01	0.147	0.29	18.9	1.4	1.48	845	1.04	
04656	0.20	83.1	8.15	12.7	0.14	0.03	<0.01	0.042	0.22	15.2	65.8	4.77	4340	1.17	
04657	0.56	102	4.56	3.06	0.19	0.52	<0.01	0.020	0.36	24.3	8.6	1.07	2140	2.65	
04658	0.34	106	4.79	4.59	0.19	0.27	<0.01	0.029	0.34	16.8	19.2	1.29	1760	1.81	
04659	0.41	115	6.63	4.60	0.19	0.67	<0.01	0.019	0.49	27.0	16.8	1.33	1500	1.42	
04660	0.20	73.4	7.18	9.66	0.11	0.04	<0.01	0.023	0.24	5.4	47.7	4.54	5910	1.33	
04661	0.45	165	5.38	4.85	0.17	0.49	<0.01	0.024	0.44	26.4	18.0	1.44	2670	2.48	
04662	0.18	22.7	6.30	5.45	0.12	<0.02	0.01	0.029	0.13	9.1	16.0	5.33	4890	0.86	
04663	0.30	16.5	2.79	2.28	0.15	0.12	<0.01	0.012	0.30	19.1	1.9	1.05	1450	0.66	
04664	0.28	19.5	2.41	2.31	0.16	0.09	<0.01	0.017	0.29	21.5	2.5	1.06	1770	0.54	
04665	0.29	87.9	4.60	1.84	0.19	0.41	<0.01	0.024	0.32	17.1	1.0	1.04	2120	1.04	
04666	0.34	56.5	3.30	2.35	0.14	0.25	0.03	0.050	0.37	17.1	2.4	1.14	2120	0.80	
04667	1.51	2920	1.83	2.35	0.12	0.06	3.65	0.745	0.31	6.1	2.3	0.19	652	88.7	
04668	0.30	1020	10.6	2.58	0.19	0.49	0.12	1.58	0.32	13.0	2.7	1.48	934	1.63	
04669	0.28	1820	21.3	2.67	0.24	0.41	0.27	4.42	0.23	6.0	2.0	1.06	1390	0.87	
04670	0.22	1320	15.4	2.31	0.22	0.52	0.32	2.86	0.22	7.3	2.0	1.14	1010	0.54	
04671	0.37	1360	16.7	3.12	0.21	0.62	0.17	1.93	0.36	9.7	2.2	1.41	1500	0.78	
04672	0.09	798	11.9	9.97	0.19	0.09	0.01	0.396	0.03	2.5	55.4	3.81	2810	1.27	
04673	0.10	216	14.6	17.2	0.23	0.08	0.38	1.65	0.06	4.9	103	5.03	1760	1.13	
04674	0.30	467	7.81	10.2	0.18	0.41	0.01	0.424	0.40	17.5	49.7	2.34	1400	1.16	
04675	0.28	526	7.77	10.9	0.19	0.36	0.02	0.359	0.34	13.9	52.9	2.36	1400	1.43	
08551	0.14	908	13.0	20.3	0.20	0.12	<0.01	1.08	0.14	6.6	103	5.12	2430	1.13	
08552	0.09	122	9.23	15.2	0.18	0.02	<0.01	0.136	0.08	4.4	80.9	5.84	3500	0.89	
08553	0.35	139	5.09	3.30	0.17	0.69	0.03	0.133	0.41	14.2	9.8	0.83	610	0.41	
08554	0.17	268	12.0	15.6	0.20	0.22	0.04	0.548	0.19	7.8	82.4	3.90	2360	1.13	
08555	0.08	597	12.4	17.4	0.17	0.06	0.10	0.519	0.02	3.0	102	6.24	3350	1.34	
08556	0.14	204	8.29	9.57	0.17	0.16	0.03	0.117	0.19	3.5	53.6	4.64	3170	0.73	
08557	0.44	106	5.07	6.14	0.18	0.52	<0.01	0.044	0.47	32.4	28.1	1.58	1250	1.28	
08558	0.21	80.0	5.95	9.05	0.12	0.09	<0.01	0.037	0.19	12.7	48.5	4.56	1790	0.81	
08559	0.20	115	6.69	8.41	0.10	0.03	<0.01	0.042	0.18	7.8	41.1	4.60	2350	1.09	
08560	0.19	37.9	2.26	1.56	0.11	0.12	<0.01	0.011	0.15	9.8	5.2	1.20	2080	0.62	
08561	0.30	29.0	3.84	3.54	0.14	0.21	<0.01	0.027	0.29	20.9	8.1	1.37	1800	0.66	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Cs ppm 0.05	Cu ppm 0.1	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.02	Hg ppm 0.01	In ppm 0.005	K % 0.01	La ppm 0.1	Li ppm 0.1	Mg % 0.01	Mn ppm 1	Mo ppm 0.05
08562		0.22	80.3	6.06	4.34	0.16	0.04	<0.01	0.035	0.16	10.0	19.8	3.87	3010	0.86
08563		0.44	96.0	5.43	4.73	0.17	0.61	<0.01	0.038	0.41	21.5	17.4	0.96	567	0.55
08564		0.10	4.5	4.04	1.51	0.16	<0.02	<0.01	0.025	0.03	1.9	5.1	0.80	186	1.25
08565		0.21	398	8.17	4.13	0.19	0.57	<0.01	0.073	0.39	9.7	14.3	1.33	576	1.02
08566		0.15	16.8	4.56	5.01	0.16	0.40	<0.01	0.017	0.25	12.6	28.5	1.12	376	0.76
08567		1.60	5560	2.07	2.50	0.13	0.06	2.39	1.21	0.31	5.5	2.5	0.17	891	58.1
08568		0.26	75.4	7.14	14.4	0.10	0.04	0.02	0.055	0.13	15.4	75.1	3.43	1510	0.51
08569		0.22	10.6	5.61	1.17	<0.05	0.02	0.01	0.020	0.14	6.0	2.1	1.73	2270	1.45
08570		0.11	30.3	4.01	0.71	0.09	0.02	<0.01	0.034	0.05	2.6	2.0	0.24	1890	3.23
08571		0.31	144	6.79	7.71	0.13	0.08	<0.01	0.033	0.13	16.9	30.5	1.19	1850	0.56
08572		0.25	118	6.39	3.54	0.07	<0.02	<0.01	0.026	0.14	10.3	15.6	3.31	2140	0.38
08573		0.10	38.1	1.90	1.12	<0.05	0.05	0.01	0.061	0.07	4.7	4.0	0.80	1040	0.34
08574		0.32	85.3	5.86	4.80	0.14	0.03	<0.01	0.028	0.14	9.1	28.4	2.00	1370	0.41
08575		0.09	5.0	2.79	0.39	0.08	0.05	<0.01	0.029	0.07	4.8	0.7	0.13	905	1.58
08576		0.07	15.9	1.64	0.58	0.13	<0.02	<0.01	0.009	0.05	7.2	1.0	0.10	1180	1.27
08577		0.22	5.5	2.47	5.10	0.16	0.02	<0.01	0.012	0.24	22.9	20.5	0.48	347	0.76
08578		0.14	4.6	2.40	3.82	0.14	0.05	<0.01	0.010	0.13	10.9	25.9	0.42	250	2.31
08579		0.27	58.9	5.47	3.99	0.15	0.05	0.01	0.028	0.18	18.4	14.4	0.35	2330	0.90
08580		0.12	8520	7.42	21.0	0.15	0.03	0.55	0.050	0.03	18.8	86.5	3.26	2290	0.38
08581		0.14	47.7	2.24	2.87	0.14	<0.02	0.01	0.016	0.03	5.2	10.9	0.44	458	2.17
08582		<0.05	1520	14.1	5.74	<0.05	0.13	0.01	0.265	<0.01	13.5	27.3	1.49	3690	0.84
08583		<0.05	425	8.21	1.28	0.07	0.03	0.03	0.170	0.01	4.9	7.3	2.29	3960	0.27
08584		0.06	115	6.31	9.94	0.13	0.04	<0.01	0.051	0.08	4.5	34.6	2.40	2330	0.13
08585		0.12	100	2.83	1.82	0.12	0.03	0.01	0.028	0.15	12.9	5.5	0.51	2040	0.71
08586		0.28	30.8	2.74	1.85	0.15	0.07	<0.01	0.016	0.24	18.4	2.7	0.16	1370	0.58
08587		0.27	20.4	2.06	1.88	0.15	0.18	<0.01	0.012	0.20	23.4	2.0	0.06	698	0.75
08588		0.15	16.0	2.43	1.21	0.18	0.07	<0.01	0.011	0.22	17.9	0.6	0.05	416	0.69
08589		0.14	18.7	2.38	1.54	0.18	0.10	<0.01	0.015	0.23	21.2	0.6	0.06	613	0.77
08590		0.21	24.5	2.50	1.40	0.17	0.06	<0.01	0.020	0.30	22.3	0.7	0.04	1250	0.78

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
04526	0.02	0.11	37.6	346	931	20.6	0.003	3.81	14.3	1.4	3.8	9.0	24.9	<0.01	
04527	0.01	0.07	44.7	494	121	23.3	0.008	1.54	1.42	1.7	1.5	1.4	46.0	<0.01	
04528	0.01	0.06	64.2	543	316	21.0	0.015	1.35	2.00	1.6	3.3	0.5	75.6	<0.01	
04529	0.01	<0.05	71.4	537	59.7	15.5	0.020	1.19	2.08	1.2	1.7	0.3	43.9	<0.01	
04530	<0.01	0.06	19.0	118	366	5.2	0.002	1.26	0.97	0.9	1.5	0.5	57.7	<0.01	
04531	0.02	0.20	38.1	555	258	24.6	0.002	2.98	7.84	1.9	1.0	1.7	59.2	0.01	
04532	0.02	0.18	31.8	292	172	23.0	<0.001	1.84	2.70	2.1	1.3	4.6	16.6	0.01	
04533	0.01	<0.05	53.4	613	162	18.3	0.013	1.86	1.26	1.5	1.9	1.3	109	<0.01	
04534	0.01	0.08	40.8	353	50.8	18.7	0.004	1.51	0.88	2.3	1.3	3.1	22.0	<0.01	
04535	0.04	0.17	1.6	342	>10000	13.3	0.102	2.20	24.4	0.9	0.9	1.9	195	<0.01	
04536	0.01	0.08	48.3	537	39.2	18.4	0.007	1.28	0.98	1.6	1.4	0.3	59.0	<0.01	
04537	0.01	0.07	84.0	466	42.6	13.7	0.014	2.59	1.25	1.1	5.0	0.3	27.3	<0.01	
04538	0.01	0.10	84.2	767	61.1	15.5	0.018	1.91	2.09	1.2	8.2	0.6	30.5	<0.01	
04539	<0.01	0.16	9.0	1250	40.8	5.0	<0.001	0.813	0.90	6.4	0.8	6.3	21.6	<0.01	
04540	<0.01	0.24	16.3	192	133	10.8	<0.001	1.05	2.22	2.5	1.1	5.6	7.0	0.01	
04541	0.01	0.11	46.2	321	14.1	16.8	0.003	1.97	1.30	2.4	1.2	7.4	12.2	<0.01	
04542	0.01	0.08	82.5	642	134	17.2	0.015	1.68	1.04	1.5	2.7	1.0	42.8	<0.01	
04543	0.01	0.12	61.0	554	50.1	12.8	0.009	1.31	0.87	1.2	1.5	0.7	58.9	<0.01	
04544	0.05	0.20	32.8	190	232	17.2	<0.001	1.65	0.22	3.1	1.3	28.5	10.4	0.01	
04545	0.05	0.20	35.1	155	402	13.9	<0.001	2.11	0.24	3.3	1.9	30.4	8.5	<0.01	
04546	0.04	0.07	5.6	383	>10000	7.8	0.063	1.74	65.5	0.7	1.1	0.8	511	<0.01	
04547	0.03	0.08	32.2	143	246	4.5	0.007	3.58	0.71	1.8	3.5	10.7	6.0	<0.01	
04548	0.05	0.07	28.3	98	221	6.1	0.005	3.06	0.41	1.7	2.8	6.6	7.0	<0.01	
04549	0.05	0.07	55.7	128	167	5.1	0.020	2.69	0.52	1.6	2.8	5.9	9.5	<0.01	
04550	0.05	0.05	30.3	195	267	5.7	0.008	2.34	0.26	1.5	2.5	5.9	9.5	<0.01	
04551	0.03	0.08	42.7	165	318	4.4	0.016	3.36	0.36	1.7	3.1	8.9	6.5	<0.01	
04552	0.05	0.12	22.1	184	563	7.2	<0.001	2.25	0.23	3.1	2.2	15.5	6.4	<0.01	
04553	0.03	0.18	19.5	138	313	7.4	<0.001	3.27	0.27	2.7	1.5	12.8	5.8	<0.01	
04554	0.04	0.13	24.1	181	441	8.3	<0.001	2.58	0.57	2.5	2.2	14.6	7.5	<0.01	
04555	0.07	0.12	19.2	162	51.6	16.1	<0.001	0.989	0.18	2.4	0.5	5.5	12.9	<0.01	
04556	0.11	0.13	26.2	244	27.5	20.4	<0.001	1.09	0.29	2.3	0.8	6.0	14.3	<0.01	
04557	0.07	0.10	24.7	112	447	13.7	<0.001	3.18	0.42	1.3	3.5	43.2	9.9	<0.01	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
04558	0.10	0.07	26.7	202	32.7	19.5	<0.001	0.652	0.10	2.2	0.5	4.5	13.5	<0.01
04559	0.02	0.29	301	69	65.5	3.3	<0.001	>10	0.83	0.3	14.2	17.0	5.4	<0.01
04560	0.07	0.10	32.9	171	50.5	19.0	<0.001	4.25	0.14	1.6	1.5	1.2	56.6	<0.01
04561	0.04	0.07	1.0	322	>10000	8.3	0.047	2.08	39.7	0.6	1.3	0.9	468	<0.01
04562	0.06	0.11	58.6	731	185	20.4	<0.001	8.24	0.29	2.0	3.5	1.0	76.4	<0.01
04563	0.04	0.12	29.2	759	57.2	11.1	<0.001	9.83	0.17	1.5	4.4	0.4	68.7	<0.01
04564	0.05	<0.05	31.7	252	21.0	14.9	<0.001	1.14	0.10	2.0	0.3	0.3	57.9	<0.01
04565	0.04	0.06	38.3	183	6.1	16.3	<0.001	2.43	0.13	2.0	0.3	0.3	70.7	<0.01
04566	0.04	0.08	38.8	156	9.5	14.7	<0.001	5.32	0.26	2.1	0.8	0.5	60.9	<0.01
04567	0.05	<0.05	47.9	249	25.1	13.4	<0.001	1.70	0.14	2.0	0.2	1.0	22.9	<0.01
04568	0.04	0.07	34.6	177	175	12.4	<0.001	1.25	0.18	1.6	0.3	0.4	29.8	<0.01
04569	0.03	0.06	29.1	180	38.8	12.1	<0.001	0.788	0.16	1.9	<0.2	0.9	28.2	<0.01
04570	0.06	0.06	44.0	279	406	8.9	0.014	3.18	0.90	1.6	2.1	6.6	11.7	<0.01
04571	0.03	<0.05	41.8	369	979	2.6	0.013	2.77	1.06	2.6	1.9	7.1	12.0	<0.01
04572	0.02	0.09	16.8	202	533	5.3	<0.001	2.17	1.28	3.5	1.3	8.8	7.8	<0.01
04573	0.04	0.16	27.7	715	422	11.1	<0.001	2.46	0.75	3.1	3.3	20.2	11.0	<0.01
04574	0.03	0.07	27.3	133	158	3.7	0.004	1.28	0.28	2.8	1.8	10.5	4.7	<0.01
04575	0.03	0.08	27.4	104	375	2.6	0.005	3.98	0.78	2.2	4.8	20.2	6.0	<0.01
04576	0.03	0.06	5.1	373	>10000	6.4	0.062	1.72	63.1	0.6	1.1	0.7	475	<0.01
04577	0.06	0.11	22.5	283	858	5.6	0.001	2.63	2.73	2.6	3.1	23.2	13.3	<0.01
04578	0.02	0.08	21.2	141	2700	5.5	0.002	5.80	3.65	2.2	7.8	69.4	11.0	<0.01
04579	0.04	0.08	16.3	93	307	5.2	<0.001	1.62	0.67	1.7	1.7	12.2	23.4	<0.01
04580	0.05	0.06	30.3	206	98.5	10.4	<0.001	1.01	0.27	2.1	0.8	6.2	15.6	<0.01
04581	0.06	0.13	12.3	43	309	8.8	<0.001	7.90	7.59	1.0	5.9	9.4	7.1	<0.01
04582	0.06	0.08	24.8	100	167	8.6	<0.001	3.92	0.48	1.3	2.5	5.6	34.1	<0.01
04583	0.03	0.06	12.9	140	21.2	9.7	<0.001	0.534	0.17	1.4	0.3	1.3	52.3	<0.01
04584	0.06	0.07	36.2	683	7.5	21.4	<0.001	1.91	0.19	2.5	0.4	1.3	95.3	<0.01
04585	0.03	<0.05	15.4	398	265	13.1	<0.001	0.300	0.23	2.0	0.3	0.6	103	<0.01
04586	0.04	0.07	30.5	398	46.0	15.6	<0.001	1.71	0.11	2.1	0.6	0.7	71.8	<0.01
04587	0.05	0.07	32.1	302	97.6	15.8	<0.001	1.39	0.19	2.2	0.5	1.6	93.4	<0.01
04588	0.03	0.08	22.3	1230	745	2.4	0.001	4.96	0.94	3.7	3.4	14.6	17.0	<0.01
04589	0.03	0.12	18.2	750	376	8.6	<0.001	2.42	1.21	2.8	1.7	11.0	13.1	<0.01

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
04590	0.02	0.10	25.9	147	357	5.1	<0.001	6.69	0.60	2.4	5.0	30.0	5.1	<0.01
04591	0.03	0.10	48.2	59	797	3.0	0.008	9.35	0.40	1.3	9.5	36.5	3.9	<0.01
04592	0.03	0.08	24.4	148	559	4.6	0.003	3.42	0.60	2.3	4.1	12.4	13.3	<0.01
04593	0.04	0.08	20.6	116	564	4.4	0.002	4.65	0.55	2.1	4.5	10.8	13.8	<0.01
04594	0.02	0.09	17.2	135	320	4.3	<0.001	1.31	0.26	3.6	1.0	7.9	8.7	<0.01
04595	0.03	0.08	23.9	211	261	8.4	<0.001	2.54	0.20	2.6	1.6	9.6	7.4	<0.01
04596	0.07	0.11	25.3	308	50.1	16.6	<0.001	0.764	0.26	2.3	0.4	5.2	11.6	<0.01
04597	0.07	0.09	27.0	294	209	13.9	<0.001	1.82	0.32	2.2	2.7	10.0	13.6	<0.01
04598	0.05	0.08	28.2	108	514	14.9	<0.001	2.78	0.21	1.5	1.8	3.9	16.1	<0.01
04599	0.05	0.07	23.3	399	39.1	15.9	<0.001	0.601	0.12	2.0	0.3	1.7	77.9	<0.01
04600	0.03	0.06	0.9	345	>10000	6.9	0.044	2.14	37.3	0.5	1.3	0.8	450	<0.01
04601	0.03	0.11	61.0	294	113	10.5	<0.001	9.71	0.36	1.3	4.0	0.4	48.5	<0.01
04602	0.05	0.07	42.7	160	41.5	14.9	<0.001	3.25	0.16	1.9	0.9	0.4	60.5	<0.01
04603	0.05	0.06	24.2	193	28.4	15.8	<0.001	0.707	0.11	2.3	<0.2	0.4	85.1	<0.01
04604	0.04	0.07	43.6	366	128	17.3	<0.001	1.94	0.21	1.8	0.9	0.7	26.0	<0.01
04605	0.02	0.05	165	328	63.2	14.2	0.003	2.19	0.28	2.1	0.6	1.2	17.4	<0.01
04606	0.03	0.07	146	447	47.2	19.8	0.002	2.66	0.94	1.8	0.4	0.8	22.7	<0.01
04607	0.03	0.09	109	387	79.6	17.1	0.003	1.67	0.35	1.5	0.9	1.4	10.8	<0.01
04609	0.04	0.15	52.8	531	13.0	20.7	<0.001	0.400	0.18	2.4	<0.2	1.0	10.7	<0.01
04610	0.04	0.19	53.7	766	9.7	25.9	<0.001	0.683	0.22	2.7	0.3	1.3	15.5	0.01
04611	0.04	0.10	36.9	428	20.2	21.2	0.001	0.128	0.21	2.0	0.3	0.9	10.3	<0.01
04612	0.04	0.07	34.5	460	17.9	20.3	<0.001	0.113	0.23	2.0	0.2	0.9	11.1	<0.01
04613	0.04	<0.05	20.5	416	2.3	16.8	<0.001	0.029	0.21	1.4	<0.2	0.8	9.1	<0.01
04614	0.04	0.07	35.4	476	7.9	17.3	0.001	0.680	0.29	1.8	0.4	0.5	10.1	<0.01
04615	0.03	0.07	33.6	459	62.6	19.3	<0.001	0.910	0.76	1.8	0.4	1.8	10.7	<0.01
04616	0.02	0.09	33.5	1830	5940	15.3	0.013	7.68	51.4	1.1	9.0	16.4	22.4	<0.01
04617	0.02	0.09	34.5	2040	3850	16.4	0.012	5.24	32.3	1.0	6.4	11.0	22.8	<0.01
04618	0.02	0.12	28.6	485	3790	14.9	0.008	>10	33.3	0.8	9.3	18.4	8.3	<0.01
04619	0.02	0.06	27.3	429	167	16.3	<0.001	1.82	1.23	1.6	0.4	1.9	8.7	<0.01
04620	0.02	0.06	37.9	426	499	13.7	0.002	2.54	1.90	1.5	2.0	2.3	11.7	<0.01
04621	0.02	0.27	35.4	148	1160	7.9	0.011	>10	6.92	0.6	21.8	20.8	4.5	<0.01
04622	0.03	0.08	26.4	496	221	13.9	0.001	1.54	0.51	1.3	1.3	1.7	19.3	<0.01

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
04623	0.03	0.15	1.4	321	>10000	12.3	0.101	2.22	24.4	0.8	0.9	1.8	194	<0.01
04624	0.06	0.11	28.1	237	123	12.4	<0.001	3.70	0.34	1.7	3.0	3.1	10.7	<0.01
04625	0.10	0.19	16.3	194	826	9.4	<0.001	>10	1.48	2.1	7.1	8.5	13.4	<0.01
04626	0.03	0.17	257	632	1430	7.7	0.001	2.13	0.92	16.9	1.4	2.3	21.1	<0.01
04627	0.03	0.16	211	784	703	3.3	<0.001	1.59	0.53	19.7	1.2	2.2	96.0	<0.01
04628	0.05	0.08	46.2	159	>10000	7.3	<0.001	6.74	13.3	2.7	9.0	6.4	9.8	<0.01
04629	<0.01	0.16	436	772	124	0.7	0.001	0.664	0.54	23.4	0.7	0.9	169	<0.01
04630	0.03	0.20	191	636	400	11.1	<0.001	1.79	0.55	11.5	1.5	2.1	29.3	<0.01
04631	0.02	0.16	201	578	77.6	9.8	<0.001	1.82	0.28	15.8	1.2	1.7	46.2	<0.01
04632	0.04	0.21	62.0	492	169	19.0	<0.001	1.06	0.12	4.9	0.5	3.8	12.6	<0.01
04633	0.02	0.09	427	282	1730	8.0	<0.001	3.80	1.49	11.4	1.8	2.4	153	<0.01
04634	0.02	0.15	409	348	305	6.3	<0.001	0.658	0.54	16.9	0.5	0.8	185	<0.01
04635	0.04	0.21	52.8	560	34.6	21.2	<0.001	0.083	0.11	2.9	<0.2	0.4	14.3	0.01
04636	0.03	0.06	83.4	418	56.5	12.1	0.003	2.31	0.27	1.9	2.4	1.5	29.7	<0.01
04637	0.10	0.13	236	697	4.6	2.5	<0.001	0.381	0.24	14.5	0.4	<0.2	185	<0.01
04638	0.01	0.13	646	629	55.8	5.7	<0.001	0.578	1.26	11.5	0.4	<0.2	257	<0.01
04639	0.04	0.09	382	616	589	11.0	<0.001	1.62	0.98	8.5	0.5	0.6	225	<0.01
04640	0.09	<0.05	57.8	233	13.7	8.9	<0.001	0.694	0.09	3.3	0.2	0.3	40.0	<0.01
04641	0.11	<0.05	40.7	235	24.1	12.5	<0.001	0.394	0.09	3.2	<0.2	0.3	25.8	<0.01
04642	0.09	<0.05	30.0	252	6.8	12.6	<0.001	0.260	0.08	3.1	<0.2	0.3	22.8	<0.01
04643	0.10	<0.05	49.0	532	8.1	17.0	<0.001	1.39	0.10	3.6	0.3	0.3	19.1	<0.01
04644	0.07	<0.05	23.6	290	64.1	13.1	<0.001	0.844	0.08	2.3	0.9	1.9	10.3	<0.01
04645	0.11	0.06	21.5	223	134	8.1	<0.001	3.67	0.13	2.3	3.9	4.1	14.2	<0.01
04646	0.14	0.12	11.6	174	747	8.0	<0.001	7.43	0.79	3.3	7.8	7.8	16.5	<0.01
04647	0.05	0.13	28.3	159	1390	6.1	<0.001	>10	1.22	2.5	8.9	6.6	7.9	<0.01
04648	0.08	0.18	45.1	148	1080	9.0	0.001	>10	0.67	3.1	6.0	6.7	11.8	<0.01
04649	<0.01	0.12	471	590	1080	0.7	0.001	2.41	1.21	31.3	1.2	1.0	178	<0.01
04650	<0.01	0.12	459	665	1630	0.2	0.001	3.95	0.67	33.7	3.4	1.1	134	<0.01
04651	0.05	0.08	82.0	233	2040	1.7	<0.001	4.01	0.63	7.1	2.4	2.0	15.0	<0.01
04652	<0.01	0.06	444	489	62.1	2.0	<0.001	3.23	0.39	12.2	3.2	0.5	93.5	<0.01
04653	0.04	0.08	301	691	68.4	9.7	0.001	2.55	0.10	19.0	1.4	1.7	47.2	<0.01
04654	0.05	0.09	352	725	47.3	11.1	0.001	1.66	0.25	18.5	0.9	1.6	99.7	<0.01

Certified By:

*Ron Cardinal*





## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
04655	0.05	<0.05	9.7	156	14.3	11.9	<0.001	0.167	<0.05	3.0	0.2	0.9	64.0	<0.01	
04656	0.03	0.08	171	992	7.3	11.0	0.001	0.087	0.09	16.3	<0.2	<0.2	140	<0.01	
04657	0.05	<0.05	66.1	350	48.9	14.3	0.004	2.16	0.11	2.5	2.6	0.2	25.8	<0.01	
04658	0.05	<0.05	66.4	464	36.2	14.9	0.002	1.89	0.11	2.9	1.4	<0.2	20.6	<0.01	
04659	0.06	<0.05	90.6	201	27.7	19.5	0.003	3.87	0.31	2.7	1.8	0.2	12.9	<0.01	
04660	0.08	0.08	108	907	32.4	10.6	0.001	1.24	0.14	12.3	0.8	<0.2	156	<0.01	
04661	0.06	<0.05	79.9	204	17.3	18.0	0.003	2.63	0.19	3.1	2.5	0.2	41.8	<0.01	
04662	0.04	0.06	246	711	11.3	6.5	<0.001	0.154	0.17	13.8	0.2	<0.2	232	<0.01	
04663	0.09	<0.05	27.9	297	23.7	13.9	<0.001	0.583	0.06	2.5	<0.2	0.3	36.1	<0.01	
04664	0.10	<0.05	22.0	253	41.8	12.4	<0.001	0.176	<0.05	2.6	<0.2	0.3	39.2	<0.01	
04665	0.06	<0.05	60.0	226	35.6	13.7	0.001	2.46	0.12	2.4	1.2	<0.2	16.4	<0.01	
04666	0.09	<0.05	22.9	278	368	15.5	<0.001	1.23	0.22	2.2	0.4	1.6	32.5	<0.01	
04667	0.04	<0.05	4.9	369	>10000	8.0	0.066	1.83	46.4	0.8	1.3	0.7	533	<0.01	
04668	0.11	0.08	23.4	234	236	11.9	0.002	4.38	0.22	3.4	4.8	5.3	14.5	<0.01	
04669	0.11	0.23	10.9	114	255	9.7	<0.001	>10	1.59	2.0	21.5	10.4	11.1	<0.01	
04670	0.11	0.12	12.9	178	414	9.2	<0.001	9.92	0.83	2.7	10.8	7.9	13.3	<0.01	
04671	0.10	0.17	71.7	261	516	15.7	<0.001	>10	1.03	3.7	8.9	9.7	15.9	<0.01	
04672	0.01	0.10	535	473	426	1.4	<0.001	4.64	0.86	20.1	2.9	1.6	71.7	<0.01	
04673	0.02	0.18	149	713	1540	2.7	0.001	8.22	0.56	20.6	4.3	2.1	43.5	0.01	
04674	0.04	0.08	72.4	258	78.2	15.6	<0.001	1.36	0.20	4.8	1.0	2.3	16.2	<0.01	
04675	0.03	0.07	87.3	553	72.9	15.1	<0.001	1.44	0.20	5.3	1.0	1.5	24.5	<0.01	
08551	0.01	0.16	245	771	107	6.6	0.001	2.97	0.28	25.0	2.4	2.0	52.0	<0.01	
08552	<0.01	0.08	379	621	89.0	3.9	<0.001	0.561	0.24	28.9	0.5	0.5	190	<0.01	
08553	0.03	<0.05	82.4	301	240	17.6	<0.001	2.55	0.79	2.4	0.9	2.4	8.6	<0.01	
08554	0.02	0.09	193	543	435	9.3	<0.001	1.81	0.21	13.1	1.4	1.8	19.9	<0.01	
08555	<0.01	0.15	547	658	391	1.3	0.001	3.61	0.60	25.5	2.3	1.8	135	<0.01	
08556	0.02	0.06	451	439	292	8.3	<0.001	1.85	0.52	13.8	0.8	1.6	139	<0.01	
08557	0.06	<0.05	85.7	374	33.5	22.4	0.002	1.45	0.16	3.9	0.8	0.4	21.0	<0.01	
08558	0.06	0.08	193	638	13.9	9.9	0.001	0.200	0.21	12.6	0.3	<0.2	182	<0.01	
08559	0.09	0.09	191	816	16.8	9.9	0.001	0.526	0.23	14.1	0.6	<0.2	223	<0.01	
08560	0.10	<0.05	23.9	153	10.9	7.3	<0.001	0.977	0.07	2.4	1.2	<0.2	75.2	<0.01	
08561	0.12	<0.05	44.9	227	20.5	13.8	<0.001	0.314	0.08	3.9	0.3	0.3	45.1	<0.01	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
08562	0.09	<0.05	132	683	23.7	7.7	0.001	0.147	0.17	10.4	0.3	<0.2	151	<0.01	
08563	0.05	<0.05	57.3	446	12.2	16.7	<0.001	2.14	0.15	3.1	1.0	0.5	15.6	<0.01	
08564	<0.01	<0.05	15.5	554	3.3	1.4	<0.001	0.041	<0.05	2.7	<0.2	<0.2	13.9	<0.01	
08565	0.05	<0.05	70.6	266	14.6	16.4	<0.001	4.58	0.14	2.8	3.5	1.1	8.2	<0.01	
08566	0.02	<0.05	26.4	303	3.8	11.4	<0.001	1.48	0.08	1.9	0.7	0.3	9.0	<0.01	
08567	0.04	<0.05	0.8	356	>10000	8.4	0.054	2.19	30.8	0.7	1.6	0.7	475	<0.01	
08568	0.03	0.09	111	1090	48.3	6.6	<0.001	0.140	0.10	16.4	0.3	<0.2	387	<0.01	
08569	0.01	0.11	11.9	413	9.1	5.8	<0.001	0.150	0.07	4.1	0.2	<0.2	212	<0.01	
08570	0.01	0.11	7.8	339	7.4	2.1	<0.001	0.089	<0.05	4.6	<0.2	0.2	148	<0.01	
08571	0.09	0.08	12.6	820	3.6	6.3	<0.001	0.091	<0.05	12.1	0.3	<0.2	113	<0.01	
08572	0.05	0.10	161	716	4.2	6.1	<0.001	0.152	0.05	10.3	0.2	<0.2	257	<0.01	
08573	0.02	0.11	18.1	224	26.5	3.6	<0.001	0.671	0.06	2.1	0.5	0.3	1530	<0.01	
08574	0.18	<0.05	18.8	570	5.1	5.7	<0.001	0.102	<0.05	12.2	<0.2	<0.2	294	<0.01	
08575	<0.01	0.08	19.5	211	175	3.4	<0.001	0.076	0.28	1.5	<0.2	<0.2	295	<0.01	
08576	0.10	0.06	12.7	115	8.2	2.1	<0.001	0.121	0.11	1.2	<0.2	<0.2	27.3	<0.01	
08577	0.06	<0.05	18.4	325	13.6	10.8	<0.001	<0.005	<0.05	1.8	<0.2	0.3	20.1	<0.01	
08578	0.02	<0.05	20.3	293	4.0	5.3	<0.001	<0.005	<0.05	1.2	<0.2	0.3	10.5	<0.01	
08579	0.07	0.06	39.5	354	9.6	8.8	<0.001	0.146	0.18	4.4	0.2	<0.2	43.7	<0.01	
08580	0.03	0.09	12.1	1260	4.5	1.3	<0.001	0.091	0.07	14.2	1.8	<0.2	150	<0.01	
08581	0.06	<0.05	25.1	463	9.9	1.0	<0.001	0.017	0.07	4.4	<0.2	<0.2	66.6	<0.01	
08582	<0.01	0.24	176	186	8.1	0.1	0.001	2.30	<0.05	4.9	0.5	0.6	1190	0.01	
08583	<0.01	0.11	8.1	191	11.0	0.3	<0.001	1.56	0.13	1.5	0.4	<0.2	1340	<0.01	
08584	0.02	1.97	69.9	509	8.0	2.5	<0.001	0.304	0.21	12.2	0.2	0.3	632	0.02	
08585	0.04	0.05	14.9	192	6.3	7.3	<0.001	0.215	0.11	1.9	<0.2	<0.2	176	<0.01	
08586	0.03	0.11	22.3	232	3.8	11.2	<0.001	0.066	0.12	2.4	<0.2	<0.2	42.3	<0.01	
08587	0.08	0.05	12.9	219	4.5	8.7	<0.001	0.007	<0.05	1.5	<0.2	<0.2	13.1	<0.01	
08588	0.02	<0.05	24.5	339	3.0	10.4	<0.001	0.018	0.07	1.4	<0.2	<0.2	12.2	<0.01	
08589	0.08	<0.05	12.7	307	7.7	10.0	<0.001	0.073	0.07	2.0	<0.2	<0.2	16.0	<0.01	
08590	0.01	<0.05	43.1	291	19.4	15.6	<0.001	0.365	0.09	2.3	<0.2	0.6	7.4	<0.01	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04526	0.04	10.8	0.006	1.75	1.29	18.3	0.96	3.11	578	17.7					
04527	0.03	12.3	<0.005	0.30	2.30	35.5	0.21	4.41	1630	23.4					
04528	0.09	5.9	<0.005	0.21	3.39	61.2	0.21	5.11	692	24.8					
04529	0.04	5.8	<0.005	0.17	3.72	52.3	0.18	4.49	213	21.2					
04530	0.05	1.7	<0.005	0.08	1.01	12.5	0.20	1.66	477	5.6					
04531	0.03	11.1	0.011	0.30	2.64	19.1	0.23	5.04	984	27.1					
04532	0.03	11.6	0.010	0.28	1.72	22.1	0.27	3.47	236	19.0					
04533	0.08	5.4	<0.005	0.22	3.83	42.7	0.15	5.25	306	25.3					
04534	0.03	13.8	0.005	0.24	2.06	36.2	0.13	3.80	287	20.5					
04535	0.85	0.6	0.023	0.17	0.49	20.5	0.29	3.40	>10000	2.0	2.62		1.14	1.48	
04536	0.06	11.6	0.006	0.25	2.46	37.1	0.11	4.57	109	20.9					
04537	0.06	4.3	<0.005	0.15	4.16	42.8	0.08	3.65	179	19.9					
04538	0.05	6.5	<0.005	0.11	2.84	27.7	0.22	4.77	249	35.7					
04539	<0.01	2.6	0.013	0.06	0.42	111	0.39	7.70	321	8.5					
04540	<0.01	6.4	0.008	0.14	0.64	30.0	0.38	2.19	377	10.1					
04541	0.04	7.0	<0.005	0.20	2.79	35.5	0.24	3.34	200	20.8					
04542	0.06	11.3	<0.005	0.20	4.16	52.6	0.18	4.80	411	34.5					
04543	0.04	7.7	<0.005	0.16	2.79	31.6	0.31	4.39	165	24.8					
04544	0.04	11.2	0.010	0.14	1.01	35.1	0.83	2.83	1210	17.6					
04545	0.07	6.8	0.009	0.12	0.88	37.5	0.62	2.73	1860	16.5					
04546	5.89	0.9	0.008	3.94	1.21	18.7	0.56	3.92	>10000	1.9	0.734		1.86	1.10	
04547	0.11	3.1	<0.005	0.06	2.18	55.3	2.43	2.69	625	17.6					
04548	0.07	3.1	<0.005	0.07	1.75	27.4	0.80	2.40	369	15.0					
04549	0.08	2.8	<0.005	0.04	6.98	36.3	0.34	3.24	541	21.6					
04550	0.07	2.9	<0.005	0.05	3.59	31.4	0.24	2.98	729	15.3					
04551	0.07	2.7	<0.005	0.04	4.36	77.9	0.38	2.91	1620	18.1					
04552	0.12	5.7	0.005	0.08	1.01	35.4	0.27	2.53	1220	14.7					
04553	0.03	4.1	0.005	0.07	1.11	29.9	0.25	2.25	862	14.6					
04554	0.05	5.4	<0.005	0.08	1.40	31.5	0.21	2.64	1040	16.4					
04555	0.02	7.9	<0.005	0.13	1.60	21.5	0.16	2.78	207	16.3					
04556	0.03	13.4	<0.005	0.17	3.53	19.2	0.20	3.70	202	17.4					
04557	0.13	5.6	<0.005	0.18	1.28	13.5	0.26	2.46	848	11.6		1.75			

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01
04558	0.02	6.1	<0.005	0.16	1.17	15.9	0.21	2.29	288	10.5				
04559	0.60	1.1	<0.005	0.05	0.20	10.2	0.08	0.63	182	2.4	26.4			
04560	0.06	8.0	<0.005	0.15	1.67	12.2	0.18	3.55	19.5	10.7	4.58			
04561	2.32	0.9	0.008	5.81	1.35	17.4	1.56	3.73	>10000	1.7			2.66	1.73
04562	0.27	5.7	<0.005	0.17	1.48	14.0	0.21	5.13	23.8	17.1	2.36			
04563	0.10	4.6	<0.005	0.09	1.74	11.6	0.20	4.93	30.5	14.6	8.88			
04564	0.02	14.4	<0.005	0.13	1.87	10.9	0.16	4.30	35.2	13.7				
04565	0.01	12.8	<0.005	0.14	3.32	11.6	0.16	4.86	41.9	19.5				
04566	0.01	7.8	<0.005	0.19	22.6	12.8	0.26	3.81	124	18.5				
04567	0.01	8.1	<0.005	0.17	1.62	12.6	0.10	2.90	188	12.9				
04568	0.04	6.7	<0.005	0.18	1.10	11.9	0.07	2.71	498	11.8				
04569	0.01	13.7	<0.005	0.17	1.06	12.3	0.09	2.80	165	10.1				
04570	0.04	3.8	<0.005	0.07	4.77	34.8	0.20	3.48	1490	20.9				
04571	0.03	3.3	<0.005	0.03	3.59	90.7	0.21	3.67	2240	20.6				
04572	0.02	5.6	<0.005	0.18	0.59	35.2	0.14	2.28	752	16.1				
04573	0.13	5.9	0.005	0.12	1.59	27.8	0.24	3.64	1040	15.9				
04574	0.08	4.0	<0.005	0.04	1.56	47.5	0.12	2.29	370	15.3				
04575	0.13	2.9	<0.005	0.03	1.69	33.3	0.13	2.25	1060	14.0				
04576	5.49	0.9	0.007	3.72	1.07	16.4	0.57	3.72	>10000	1.8	0.739		1.92	1.09
04577	0.17	4.3	<0.005	0.09	1.01	23.7	0.26	2.41	2050	13.1				
04578	0.33	5.4	<0.005	0.09	2.90	35.5	0.20	2.55	3140	16.2		1.10		
04579	0.04	3.4	<0.005	0.05	0.64	13.2	0.18	2.03	337	7.9				
04580	0.04	6.3	<0.005	0.10	1.67	12.6	0.21	2.64	332	13.6				
04581	0.04	7.1	<0.005	0.12	0.96	12.1	0.25	1.60	2090	8.5				
04582	0.04	6.3	<0.005	0.09	2.34	11.4	0.28	3.04	628	14.7				
04583	0.01	6.2	<0.005	0.08	1.14	8.4	0.08	4.17	136	6.7				
04584	0.01	13.2	<0.005	0.17	3.00	11.6	0.12	8.19	89.8	20.8				
04585	0.05	7.7	<0.005	0.11	1.32	10.7	0.15	6.20	255	8.0				
04586	0.02	7.9	<0.005	0.13	1.89	11.0	0.15	5.05	47.4	14.1				
04587	0.04	13.2	<0.005	0.14	2.09	10.7	0.11	5.68	1800	14.9				
04588	0.04	3.3	<0.005	0.05	2.03	39.1	0.13	4.65	5470	19.1				
04589	0.04	8.7	<0.005	0.09	1.13	25.1	0.21	3.41	970	15.5				

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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TEL (905)501-9998  
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CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04590	0.07	3.0	<0.005	0.11	0.39	24.3	0.17	2.11	3320	9.6					
04591	0.14	1.7	<0.005	0.04	2.48	53.3	0.29	2.11	1120	13.7					
04592	0.07	2.9	<0.005	0.06	1.58	36.3	0.19	2.16	1170	16.2					
04593	0.09	2.7	<0.005	0.05	1.44	32.6	0.23	2.06	1320	14.3					
04594	0.04	5.4	<0.005	0.05	1.09	35.2	0.15	2.17	1030	13.3					
04595	0.04	5.2	<0.005	0.08	1.30	25.6	0.15	2.59	630	13.5					
04596	0.02	7.8	<0.005	0.14	2.07	18.4	0.21	3.42	261	19.1					
04597	0.09	6.3	<0.005	0.13	2.25	14.1	0.24	3.29	430	18.2					
04598	0.05	8.2	<0.005	0.14	1.40	10.1	0.14	2.66	2700	13.7					
04599	0.02	13.0	<0.005	0.13	1.68	10.7	0.13	5.81	205	12.9					
04600	2.73	0.8	0.006	5.67	1.31	16.2	1.53	3.67	>10000	1.8			2.69	1.85	
04601	0.17	3.9	<0.005	0.12	0.81	9.6	0.92	3.54	18.7	8.5	7.59				
04602	0.03	6.9	<0.005	0.12	1.55	9.9	0.15	4.97	27.9	15.3	2.57				
04603	0.01	15.5	<0.005	0.14	1.42	10.1	0.14	5.24	58.0	11.2					
04604	0.04	8.3	<0.005	0.26	1.52	13.1	0.12	3.73	245	16.1					
04605	0.04	7.7	<0.005	0.30	2.26	14.5	0.08	3.11	128	18.6					
04606	0.05	7.7	<0.005	0.30	1.88	13.4	0.09	3.34	62.4	21.0					
04607	0.03	13.4	<0.005	0.27	3.59	10.5	0.11	3.38	287	16.8					
04609	0.03	17.9	0.006	0.22	1.23	22.8	0.22	4.48	163	16.1					
04610	0.02	20.6	0.007	0.28	1.71	19.8	0.32	4.98	238	23.5					
04611	0.05	20.4	<0.005	0.33	1.98	12.0	0.16	4.47	97.6	19.5					
04612	0.05	21.3	<0.005	0.31	1.98	12.3	0.14	4.96	93.8	17.9					
04613	<0.01	19.5	<0.005	0.29	1.41	10.1	0.16	4.14	31.7	9.6					
04614	0.03	15.5	<0.005	0.38	3.08	11.0	0.15	4.64	46.8	25.4					
04615	0.01	14.3	<0.005	0.45	2.79	11.7	0.17	4.49	79.9	22.4					
04616	0.19	4.2	<0.005	4.55	3.67	24.4	1.38	6.01	9296	21.3					
04617	0.04	4.6	<0.005	5.02	8.27	30.5	1.71	5.96	5830	20.7					
04618	0.07	4.4	<0.005	14.0	2.43	21.7	2.75	2.63	8510	20.5					
04619	0.02	17.3	<0.005	0.66	2.62	13.7	0.15	4.05	191	16.4					
04620	0.05	7.7	<0.005	0.51	1.91	11.8	0.21	3.44	934	17.5					
04621	0.26	2.1	<0.005	0.95	1.47	10.8	1.05	1.57	2480	10.4					
04622	0.04	8.5	<0.005	0.45	2.25	13.2	0.16	3.81	264	16.7					

Certified By:



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### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012	DATE RECEIVED: Jan 11, 2012					DATE REPORTED: Feb 01, 2012					SAMPLE TYPE: Drill Core				
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01	
Sample Description															
04623	1.01	0.6	0.020	0.16	0.53	17.1	0.28	3.31	>10000	1.9	1.32		1.02	1.31	
04624	0.06	6.2	<0.005	0.11	1.03	12.0	0.23	2.73	1410	14.6	0.614				
04625	0.05	4.9	<0.005	0.09	0.86	15.2	0.14	2.70	7320	18.4					
04626	0.03	3.3	0.011	0.06	1.31	155	0.24	4.19	2540	12.7					
04627	0.11	0.6	0.010	0.03	0.56	148	0.31	8.98	1580	6.9					
04628	0.12	5.8	<0.005	0.08	0.60	28.7	0.11	1.99	>10000	10.2			2.26	2.94	
04629	0.03	0.6	0.013	<0.02	0.12	193	0.32	5.50	367	5.1					
04630	0.05	2.7	0.006	0.07	0.96	109	0.23	4.65	576	16.6					
04631	0.06	3.3	0.010	0.06	1.41	134	0.20	4.05	703	13.3					
04632	0.04	8.1	0.006	0.11	1.06	48.8	0.18	3.84	488	18.5					
04633	0.14	1.6	<0.005	0.07	0.52	76.4	0.12	5.06	2020	12.7					
04634	0.05	2.8	<0.005	0.04	0.53	103	0.19	4.47	851	7.6					
04635	0.06	23.3	0.007	0.12	1.79	15.4	0.22	5.06	87.8	20.2					
04636	0.20	8.2	<0.005	0.07	2.58	9.3	0.12	4.31	78.2	30.7					
04637	0.01	0.9	<0.005	0.03	0.72	83.7	0.74	6.09	61.3	1.6					
04638	0.02	0.4	0.006	0.05	0.92	96.5	0.15	5.83	132	4.2					
04639	0.02	0.4	<0.005	0.11	1.31	56.1	0.24	6.37	1230	2.3					
04640	0.01	13.6	<0.005	0.06	1.44	17.7	0.13	3.35	79.4	6.6					
04641	<0.01	16.0	<0.005	0.09	1.11	15.9	0.11	3.27	129	8.1					
04642	<0.01	18.1	<0.005	0.09	1.25	12.2	0.11	3.70	104	9.8					
04643	0.03	15.7	<0.005	0.11	2.68	15.1	0.16	4.22	98.7	17.4					
04644	0.01	10.8	<0.005	0.11	1.30	13.1	0.13	2.94	1050	13.1					
04645	0.03	5.6	<0.005	0.07	0.71	14.5	0.14	2.30	5000	11.3					
04646	0.01	5.5	<0.005	0.07	0.93	13.7	0.14	2.67	6790	18.2					
04647	0.05	3.9	<0.005	0.05	0.83	13.6	0.20	2.24	9020	15.5					
04648	0.08	4.3	<0.005	0.07	0.92	20.1	0.27	2.69	9480	16.5					
04649	0.02	0.4	0.012	0.02	0.75	170	0.29	4.42	1020	2.3					
04650	0.04	0.4	0.011	0.05	0.55	202	0.26	4.40	2580	2.5					
04651	0.04	5.8	0.006	<0.02	0.55	55.3	0.21	2.09	7000	8.9					
04652	0.07	0.9	<0.005	0.04	1.48	77.8	0.24	4.45	1020	3.4					
04653	0.02	2.7	0.007	0.06	1.59	143	0.20	4.10	465	8.7					
04654	0.02	3.0	0.008	0.07	1.56	143	0.23	5.01	364	10.9					

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au-FA	Cu-OL	Pb-OL	Zn-OL
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.001	0.01	0.05	0.01
Sample Description														
04655	<0.01	6.5	<0.005	0.07	0.56	12.7	0.07	6.24	163	5.8				
04656	<0.01	1.5	0.007	0.06	0.56	129	0.20	5.43	177	3.1				
04657	0.10	12.2	<0.005	0.06	2.41	13.8	0.13	3.65	83.5	26.0				
04658	0.07	6.3	<0.005	0.09	1.79	17.8	0.07	3.52	195	17.5				
04659	0.17	13.0	0.006	0.12	2.54	18.8	0.10	3.42	108	35.6				
04660	0.02	0.7	0.009	0.07	0.54	106	0.18	5.40	161	3.0				
04661	0.11	13.7	<0.005	0.11	2.24	18.0	0.09	4.18	95.4	29.2				
04662	<0.01	1.0	<0.005	0.06	0.75	87.5	0.18	6.26	106	0.9				
04663	<0.01	14.2	<0.005	0.09	1.12	12.4	0.08	3.55	56.3	6.4				
04664	0.02	15.8	<0.005	0.08	1.08	13.7	0.08	3.60	94.1	4.5				
04665	0.18	12.0	<0.005	0.08	2.20	9.7	0.08	3.14	70.2	18.5				
04666	0.05	17.1	<0.005	0.10	1.23	12.3	0.11	3.69	1070	12.7				
04667	5.81	0.8	0.007	3.76	1.02	16.9	0.49	4.05	>10000	2.0	0.924		1.96	1.10
04668	0.07	6.8	<0.005	0.15	1.38	16.8	0.23	3.21	3800	22.5				
04669	0.06	3.2	<0.005	0.19	0.67	16.1	0.20	1.84	>10000	15.8				1.34
04670	0.02	5.0	<0.005	0.08	1.29	14.1	0.18	2.52	>10000	20.2				1.60
04671	0.07	5.2	<0.005	0.15	1.11	18.5	0.26	3.03	7400	25.5				
04672	0.05	0.5	0.007	0.06	1.27	115	0.19	2.93	381	4.7				
04673	0.04	0.9	0.009	0.03	0.34	172	0.29	3.54	>10000	4.3				1.84
04674	0.02	15.7	0.005	0.11	2.05	39.7	0.16	3.27	488	23.8				
04675	0.03	7.7	<0.005	0.10	1.85	46.3	0.17	4.04	712	21.8				
08551	0.04	1.7	0.009	0.05	0.59	184	0.21	4.51	334	6.7				
08552	0.02	0.9	<0.005	0.03	0.27	166	0.18	4.81	310	1.6				
08553	0.05	5.1	<0.005	0.12	2.41	13.2	0.11	2.79	1100	30.8				
08554	0.05	3.8	<0.005	0.07	0.84	112	0.21	2.95	1350	10.8				
08555	0.02	0.5	0.009	0.02	1.15	183	0.23	3.85	3350	3.4				
08556	0.02	1.9	<0.005	0.06	1.02	94.7	0.14	3.68	1160	7.7				
08557	0.05	15.3	0.006	0.14	2.50	26.7	0.11	4.14	282	27.2				
08558	<0.01	3.3	0.009	0.06	0.51	82.8	0.07	5.28	93.6	5.4				
08559	<0.01	1.1	0.008	0.06	0.38	90.7	0.10	6.07	105	2.3				
08560	<0.01	5.9	<0.005	0.04	0.72	12.4	<0.05	3.59	26.1	5.1				
08561	0.01	14.7	<0.005	0.09	1.46	20.3	0.09	4.27	136	11.1				

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 12V564790

PROJECT NO:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: Louis Doyle

### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Jan 10, 2012

DATE RECEIVED: Jan 11, 2012

DATE REPORTED: Feb 01, 2012

SAMPLE TYPE: Drill Core

Sample Description	Analyte: Unit: RDL:	Te ppm 0.01	Th ppm 0.1	Ti % 0.005	Tl ppm 0.02	U ppm 0.05	V ppm 0.5	W ppm 0.05	Y ppm 0.05	Zn ppm 0.5	Zr ppm 0.5	Au-FA ppm 0.001	Cu-OL % 0.01	Pb-OL % 0.05	Zn-OL % 0.01
08562		0.01	2.1	0.005	0.05	0.59	50.0	0.16	6.12	80.7	2.3				
08563		0.04	12.0	<0.005	0.11	2.38	17.6	0.11	3.66	137	31.4				
08564		<0.01	0.7	<0.005	<0.02	1.04	8.9	<0.05	2.25	18.8	2.1				
08565		0.16	5.9	<0.005	0.11	1.60	18.9	0.25	3.22	79.8	26.8				
08566		0.01	7.2	<0.005	0.07	1.54	20.2	0.11	3.37	72.5	21.3				
08567		3.08	0.7	0.006	5.58	1.12	17.2	1.48	3.96	>10000	1.9			2.52	1.64
08568		<0.01	1.9	0.010	0.04	0.10	143	<0.05	8.96	79.0	1.5				
08569		<0.01	1.3	<0.005	0.03	0.20	19.5	0.07	6.05	50.1	1.8				
08570		<0.01	1.0	<0.005	<0.02	0.29	8.1	0.05	4.31	51.4	1.2				
08571		<0.01	4.4	<0.005	0.03	0.31	97.6	<0.05	4.36	53.8	5.3				
08572		<0.01	1.0	<0.005	0.03	0.21	44.6	<0.05	5.55	45.4	0.5				
08573		<0.01	1.3	<0.005	0.02	0.69	12.3	<0.05	6.43	159	3.2				
08574		<0.01	2.3	<0.005	0.03	0.29	52.4	<0.05	5.21	63.6	1.8				
08575		0.05	1.9	<0.005	0.02	0.51	4.1	0.07	2.69	173	3.5	0.447			
08576		<0.01	4.1	<0.005	<0.02	0.16	4.7	<0.05	1.37	15.6	0.9				
08577		0.02	17.8	<0.005	0.06	0.48	16.1	<0.05	2.76	51.8	1.5				
08578		<0.01	4.1	<0.005	0.03	0.35	11.3	<0.05	2.14	45.1	2.9				
08579		<0.01	6.7	<0.005	0.05	0.34	23.6	<0.05	5.04	81.3	2.9				
08580		0.04	3.2	0.058	<0.02	0.15	175	<0.05	12.9	90.8	1.5				
08581		<0.01	0.6	0.006	<0.02	<0.05	35.2	<0.05	2.83	25.1	0.6				
08582		0.04	3.0	<0.005	<0.02	0.98	16.6	<0.05	13.8	20.9	5.1				
08583		0.02	1.0	<0.005	<0.02	0.46	13.9	<0.05	7.30	10.9	1.9				
08584		<0.01	0.7	0.306	<0.02	0.12	156	<0.05	7.36	37.1	1.3				
08585		<0.01	7.2	<0.005	0.04	0.37	12.2	0.08	3.00	27.5	1.3				
08586		<0.01	12.6	0.013	0.07	0.69	13.4	0.06	3.61	23.4	3.8				
08587		<0.01	17.8	<0.005	0.05	0.69	6.5	0.05	2.91	18.8	8.2				
08588		<0.01	12.3	<0.005	0.07	0.45	5.9	0.08	3.67	27.3	4.0				
08589		<0.01	17.0	<0.005	0.06	0.75	6.1	0.07	3.53	20.8	5.4				
08590		<0.01	18.8	<0.005	0.09	0.58	7.8	0.24	4.93	20.2	3.3				

Comments: RDL - Reported Detection Limit  
Au - Aqua Regia Digestion - ICPMS Finish may exhibit coarse gold effects.

Certified By:



## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis												
RPT Date: Feb 01, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051332	3.86	3.48	10.4%	< 0.01				80%	120%	
Al	1	3051382	0.25	0.26	3.9%	< 0.01	0.364	0.359	101%	80%	120%	
As	1	3051332	78.4	71.6	9.1%	0.9				80%	120%	
Au	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051332	< 5	< 5	0.0%	< 5	6	7.00	85%	80%	120%	
Ba	1	3051382	18	18	0.0%	< 1				80%	120%	
Be	1	3051332	0.123	0.113	8.5%	< 0.05				80%	120%	
Bi	1	3051332	6.54	5.78	12.3%	< 0.01				80%	120%	
Ca	1	3051382	0.99	1.01	2.0%	< 0.01				80%	120%	
Cd	1	3051332	26.2	24.9	5.1%	< 0.01				80%	120%	
Ce	1	3051332	15.0	13.6	9.8%	< 0.01				80%	120%	
Co	1	3051332	21.9	20.1	8.6%	< 0.1	5.8	5.0	116%	80%	120%	
Cr	1	3051382	172	171	0.6%	< 0.5				80%	120%	
Cs	1	3051332	0.101	0.091	10.4%	< 0.05				80%	120%	
Cu	1	3051382	15.9	16.1	1.3%	< 0.1	3880	3800	102%	80%	120%	
Fe	1	3051382	1.64	1.71	4.2%	< 0.01				80%	120%	
Ga	1	3051332	7.70	7.03	9.1%	< 0.05				80%	120%	
Ge	1	3051332	0.18	0.17	5.7%	0.14				80%	120%	
Hf	1	3051332	0.22	0.20	9.5%	< 0.02				80%	120%	
Hg	1	3051332	0.17	0.16	6.1%	< 0.01	1.4	1.3	107%	80%	120%	
In	1	3051332	0.719	0.662	8.3%	< 0.005				80%	120%	
K	1	3051382	0.045	0.044	2.2%	< 0.01				80%	120%	
La	1	3051332	6.7	6.0	11.0%	< 0.1				80%	120%	
Li	1	3051332	34.8	33.0	5.3%	< 0.1				80%	120%	
Mg	1	3051382	0.103	0.105	1.9%	< 0.01				80%	120%	
Mn	1	3051382	1180	1250	5.8%	< 1				80%	120%	
Mo	1	3051332	1.62	1.54	5.1%	< 0.05	358	380	94%	80%	120%	
Na	1	3051382	0.10	0.11	9.5%	< 0.01				80%	120%	
Nb	1	3051332	0.077	0.065	16.9%	< 0.05				80%	120%	
Ni	1	3051382	12.7	10.3	20.9%	< 0.2	8	7	114%	80%	120%	
P	1	3051382	115	119	3.4%	< 10				80%	120%	
Pb	1	3051332	2040	1880	8.2%	< 0.1				80%	120%	
Rb	1	3051332	1.68	1.50	11.3%	< 0.1	11	13	84%	80%	120%	
Re	1	3051332	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	3051382	0.121	0.123	1.6%	< 0.005	0.91	0.80	113%	80%	120%	
Sb	1	3051332	0.63	0.61	3.2%	< 0.05				80%	120%	
Sc	1	3051332	7.1	6.7	5.8%	< 0.1				80%	120%	
Se	1	3051332	2.4	2.1	13.3%	< 0.2	0.7	0.8	87%	80%	120%	
Sn	1	3051332	1.99	1.84	7.8%	< 0.2				80%	120%	
Sr	1	3051332	15.0	13.5	10.5%	< 0.2	333	290	114%	80%	120%	
Ta	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051332	0.037	0.034	8.5%	< 0.01				80%	120%	
Th	1	3051332	5.78	5.51	4.8%	< 0.1				80%	120%	
Ti	1	3051382	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Feb 01, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Tl	1	3051332	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	3051332	0.55	0.51	7.5%	< 0.05				80%	120%	
V	1	3051382	4.67	4.59	1.7%	< 0.5				80%	120%	
W	1	3051332	0.205	0.190	7.6%	< 0.05				80%	120%	
Y	1	3051332	2.09	1.92	8.5%	< 0.05				80%	120%	
Zn	1	3051382	15.6	15.7	0.6%	< 0.5				80%	120%	
Zr	1	3051332	8.85	8.01	10.0%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051357	1.15	1.14	0.9%	< 0.01				80%	120%	
Al	1	3051283	0.47	0.51	8.2%	< 0.01				80%	120%	
As	1	3051357	78.8	76.6	2.8%	0.7				80%	120%	
Au	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051357	< 5	< 5	0.0%	< 5	6	7.00	85%	80%	120%	
Ba	1	3051283	58	61	5.0%	< 1				80%	120%	
Be	1	3051357	0.26	0.26	0.0%	< 0.05				80%	120%	
Bi	1	3051357	3.28	3.28	0.0%	< 0.01				80%	120%	
Ca	1	3051283	2.59	2.85	9.6%	< 0.01				80%	120%	
Cd	1	3051357	0.373	0.333	11.3%	< 0.01				80%	120%	
Ce	1	3051357	13.8	13.2	4.4%	< 0.01				80%	120%	
Co	1	3051357	58.9	57.3	2.8%	< 0.1	5.5	5.0	110%	80%	120%	
Cr	1	3051257	97.9	95.4	2.6%	< 0.5				80%	120%	
Cs	1	3051357	0.135	0.130	3.8%	< 0.05				80%	120%	
Cu	1	3051257	3810	3730	2.1%	< 0.1	3775	3800	99%	80%	120%	
Fe	1	3051283	9.27	10.1	8.6%	< 0.01				80%	120%	
Ga	1	3051357	20.3	19.5	4.0%	< 0.05				80%	120%	
Ge	1	3051357	0.202	0.207	2.4%	0.10				80%	120%	
Hf	1	3051357	0.117	0.110	6.2%	< 0.02				80%	120%	
Hg	1	3051357	< 0.01	0.01		< 0.01	1	1.1	90%	80%	120%	
In	1	3051357	1.08	1.06	1.9%	< 0.005				80%	120%	
K	1	3051283	0.23	0.25	8.3%	< 0.01				80%	120%	
La	1	3051357	6.6	6.3	4.7%	< 0.1				80%	120%	
Li	1	3051357	103	99.7	3.3%	< 0.1				80%	120%	
Mg	1	3051283	0.911	1.01	10.3%	< 0.01				80%	120%	
Mn	1	3051257	1450	1410	2.8%	< 1				80%	120%	
Mo	1	3051357	1.13	1.02	10.2%	< 0.05				80%	120%	
Na	1	3051283	0.035	0.038	8.2%	< 0.01				80%	120%	
Nb	1	3051357	0.16	0.16	0.0%	< 0.05				80%	120%	
Ni	1	3051257	27.4	25.6	6.8%	< 0.2				80%	120%	
P	1	3051257	104	96	8.0%	< 10				80%	120%	
Pb	1	3051357	107	106	0.9%	0.1				80%	120%	
Rb	1	3051357	6.6	6.5	1.5%	< 0.1	13	13	100%	80%	120%	
Re	1	3051357	0.001	< 0.001		< 0.001				80%	120%	
S	1	3051283	9.71	10.5	7.8%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Feb 01, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Sb	1	3051357	0.277	0.270	2.6%	< 0.05				80%	120%	
Sc	1	3051357	25.0	24.5	2.0%	< 0.1				80%	120%	
Se	1	3051357	2.44	2.35	3.8%	< 0.2	0.8	0.8	100%	80%	120%	
Sn	1	3051357	1.97	1.93	2.1%	< 0.2				80%	120%	
Sr	1	3051357	52.0	51.0	1.9%	< 0.2	339	290	116%	80%	120%	
Ta	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051357	0.04	0.04	0.0%	< 0.01				80%	120%	
Th	1	3051357	1.7	1.7	0.0%	< 0.1	1.2	1.4	85%	80%	120%	
Ti	1	3051257	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	
Tl	1	3051357	0.05	0.05	0.0%	< 0.02				80%	120%	
U	1	3051357	0.59	0.57	3.4%	< 0.05				80%	120%	
V	1	3051257	33.3	38.6	14.7%	< 0.5				80%	120%	
W	1	3051357	0.212	0.194	8.9%	< 0.05				80%	120%	
Y	1	3051357	4.51	3.97	12.7%	< 0.05				80%	120%	
Zn	1	3051257	1060	1050	0.9%	< 0.5				80%	120%	
Zr	1	3051357	6.7	6.2	7.8%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051382	0.02	0.02	0.0%	< 0.01				80%	120%	
Al	1	3051283	0.47	0.51	8.2%	< 0.01				80%	120%	
As	1	3051382	4.77	4.73	0.8%	< 0.1				80%	120%	
Au	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051382	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	3051283	58	61	5.0%	< 1				80%	120%	
Be	1	3051382	0.069	0.063	9.1%	< 0.05				80%	120%	
Bi	1	3051382	0.06	0.06	0.0%	< 0.01				80%	120%	
Ca	1	3051283	2.59	2.85	9.6%	< 0.01				80%	120%	
Cd	1	3051382	0.090	0.098	8.5%	< 0.01				80%	120%	
Ce	1	3051382	16.6	16.2	2.4%	< 0.01				80%	120%	
Co	1	3051382	5.14	5.26	2.3%	< 0.1	5.9	5.0	118%	80%	120%	
Cr	1	3051283	78.3	80.1	2.3%	< 0.5				80%	120%	
Cs	1	3051382	0.066	0.063	4.7%	< 0.05				80%	120%	
Cu	1	3051283	2.5	2.0	22.2%	< 0.1	3957	3800	104%	80%	120%	
Fe	1	3051283	9.27	10.1	8.6%	< 0.01				80%	120%	
Ga	1	3051382	0.58	0.55	5.3%	< 0.05				80%	120%	
Ge	1	3051382	0.130	0.138	6.0%	< 0.05				80%	120%	
Hf	1	3051382	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
Hg	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
In	1	3051382	0.0090	0.0107	17.3%	< 0.005				80%	120%	
K	1	3051283	0.23	0.25	8.3%	< 0.01				80%	120%	
La	1	3051382	7.2	7.0	2.8%	< 0.1				80%	120%	
Li	1	3051382	0.97	0.93	4.2%	< 0.1				80%	120%	
Mg	1	3051283	0.911	1.01	10.3%	< 0.01				80%	120%	
Mn	1	3051283	406	428	5.3%	< 1				80%	120%	
Mo	1	3051382	1.27	1.37	7.6%	< 0.05				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)												
RPT Date: Feb 01, 2012			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Na	1	3051283	0.035	0.038	8.2%	< 0.01				80%	120%	
Nb	1	3051382	0.060	0.053	12.4%	< 0.05				80%	120%	
Ni	1	3051283	61.0	62.2	1.9%	< 0.2				80%	120%	
P	1	3051283	294	288	2.1%	< 10				80%	120%	
Pb	1	3051382	8.19	9.38	13.5%	< 0.1				80%	120%	
Rb	1	3051382	2.11	1.91	10.0%	< 0.1	14	13	104%	80%	120%	
Re	1	3051382	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	3051283	9.71	10.5	7.8%	< 0.005	0.9	0.80	112%	80%	120%	
Sb	1	3051382	0.11	0.11	0.0%	< 0.05				80%	120%	
Sc	1	3051382	1.2	1.2	0.0%	< 0.1				80%	120%	
Se	1	3051382	< 0.2	< 0.2	0.0%	< 0.2	0.7	0.8	87%	80%	120%	
Sn	1	3051382	< 0.2	< 0.2	0.0%	< 0.2				80%	120%	
Sr	1	3051382	27.3	25.9	5.3%	< 0.2	331	290	114%	80%	120%	
Ta	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	3051382	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Th	1	3051382	4.1	4.1	0.0%	< 0.1				80%	120%	
Ti	1	3051283	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	
Tl	1	3051382	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	3051382	0.16	0.16	0.0%	< 0.05				80%	120%	
V	1	3051283	9.6	10.8	11.8%	< 0.5				80%	120%	
W	1	3051382	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Y	1	3051382	1.37	1.38	0.7%	< 0.05				80%	120%	
Zn	1	3051283	18.7	17.4	7.2%	< 0.5				80%	120%	
Zr	1	3051382	0.9	1.3		< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	3051307	1.77	1.68	5.2%	< 0.01				80%	120%	
Al	1	3051307	5.04	4.99	1.0%	< 0.01				80%	120%	
As	1	3051307	104	107	2.8%	< 0.1				80%	120%	
Au	1	3051307	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	3051307	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	3051307	64	58	9.8%	< 1				80%	120%	
Be	1	3051307	0.16	0.16	0.0%	< 0.05				80%	120%	
Bi	1	3051307	1.94	1.87	3.7%	< 0.01				80%	120%	
Ca	1	3051307	0.54	0.54	0.0%	< 0.01				80%	120%	
Cd	1	3051307	8.98	9.14	1.8%	< 0.01				80%	120%	
Ce	1	3051307	18.8	16.7	11.8%	< 0.01				80%	120%	
Co	1	3051307	34.8	36.3	4.2%	< 0.1	6	5.0	120%	80%	120%	
Cr	1	3051307	705	699	0.9%	< 0.5				80%	120%	
Cs	1	3051307	0.23	0.22	4.4%	< 0.05				80%	120%	
Cu	1	3051307	339	338	0.3%	< 0.1	3613	3800	95%	80%	120%	
Fe	1	3051307	12.6	12.6	0.0%	< 0.01				80%	120%	
Ga	1	3051307	17.2	16.6	3.6%	< 0.05				80%	120%	
Ge	1	3051307	0.139	0.133	4.4%	< 0.05				80%	120%	
Hf	1	3051307	0.254	0.261	2.7%	< 0.02				80%	120%	

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)											
RPT Date: Feb 01, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
						Lower				Upper	
Hg	1	3051307	0.07	0.07	0.0%	< 0.01	1.4	1.3	107%	80%	120%
In	1	3051307	0.277	0.279	0.7%	< 0.005				80%	120%
K	1	3051307	0.16	0.15	6.5%	< 0.01				80%	120%
La	1	3051307	9.29	8.10	13.7%	< 0.1				80%	120%
Li	1	3051307	54.7	55.3	1.1%	< 0.1				80%	120%
Mg	1	3051307	4.21	4.21	0.0%	< 0.01				80%	120%
Mn	1	3051307	2000	1970	1.5%	< 1				80%	120%
Mo	1	3051307	1.00	1.00	0.0%	< 0.05				80%	120%
Na	1	3051307	0.03	0.03	0.0%	< 0.01				80%	120%
Nb	1	3051307	0.17	0.17	0.0%	< 0.05				80%	120%
Ni	1	3051307	257	257	0.0%	< 0.2	8	7	114%	80%	120%
P	1	3051307	632	634	0.3%	< 10				80%	120%
Pb	1	3051307	1430	1400	2.1%	< 0.1				80%	120%
Rb	1	3051307	7.65	6.97	9.3%	< 0.1	11	13	84%	80%	120%
Re	1	3051307	0.001	0.001	0.0%	< 0.001				80%	120%
S	1	3051307	2.13	2.13	0.0%	< 0.005	0.87	0.80	108%	80%	120%
Sb	1	3051307	0.916	0.904	1.3%	< 0.05				80%	120%
Sc	1	3051307	16.9	16.6	1.8%	< 0.1				80%	120%
Se	1	3051307	1.39	1.35	2.9%	< 0.2	0.7	0.8	87%	80%	120%
Sn	1	3051307	2.31	2.22	4.0%	< 0.2				80%	120%
Sr	1	3051307	21.1	19.9	5.9%	< 0.2	333	290	114%	80%	120%
Ta	1	3051307	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3051307	0.03	0.03	0.0%	< 0.01				80%	120%
Th	1	3051307	3.34	3.15	5.9%	< 0.1	1.2	1.4	85%	80%	120%
Ti	1	3051307	0.0108	0.0084	25.0%	< 0.005				80%	120%
Tl	1	3051307	0.059	0.054	8.8%	< 0.02				80%	120%
U	1	3051307	1.31	1.29	1.5%	< 0.05				80%	120%
V	1	3051307	155	154	0.6%	< 0.5				80%	120%
W	1	3051307	0.242	0.266	9.4%	< 0.05				80%	120%
Y	1	3051307	4.19	3.65	13.8%	< 0.05				80%	120%
Zn	1	3051307	2540	2550	0.4%	< 0.5				80%	120%
Zr	1	3051307	12.7	12.0	5.7%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3051332	4.67	4.12	12.5%	< 0.01				80%	120%
Al	1	3051332	2.13	2.02	5.3%	< 0.01				80%	120%
As	1	3051332	72.7	67.0	8.2%	< 0.1				80%	120%
B	1	3051332	< 5	< 5	0.0%	< 5	7.05	7.00	101%	80%	120%
Ba	1	3051332	10	10	0.0%	< 1				80%	120%
Be	1	3051332	0.172	0.162	6.0%	< 0.05				80%	120%
Bi	1	3051332	8.68	6.81	24.1%	< 0.01				80%	120%
Ca	1	3051332	0.342	0.324	5.4%	< 0.01				80%	120%
Cd	1	3051332	27.4	25.1	8.8%	< 0.01				80%	120%
Ce	1	3051332	14.9	14.4	3.4%	< 0.01				80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)											
RPT Date: Feb 01, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
						Lower				Upper	
Co	1	3051332	18.0	16.9	6.3%	< 0.1	5.2	5.0	104%	80%	120%
Cr	1	3051332	198	181	9.0%	< 0.5				80%	120%
Cu	1	3051332	528	511	3.3%	< 0.1	3945	3800	103%	80%	120%
Fe	1	3051332	9.41	8.95	5.0%	< 0.01	1.39	1.31	106%	80%	120%
Ga	1	3051357	14.3	11.5	21.7%	< 0.05				80%	120%
Hg	1	3051332	0.515	0.470	9.1%	< 0.01	1.5	1.3	115%	80%	120%
In	1	3051357	1.42	1.70	17.9%	< 0.005				80%	120%
K	1	3051332	0.04	0.04	0.0%	< 0.01				80%	120%
La	1	3051332	6.3	5.9	6.6%	< 0.1				80%	120%
Li	1	3051332	33.7	31.9	5.5%	< 0.1				80%	120%
Mg	1	3051332	2.53	2.40	5.3%	< 0.01				80%	120%
Mn	1	3051332	1430	1340	6.5%	< 1				80%	120%
Mo	1	3051332	2.19	2.24	2.3%	< 0.05				80%	120%
Na	1	3051332	0.048	0.044	8.7%	< 0.01				80%	120%
Ni	1	3051332	82.0	75.0	8.9%	< 0.2				80%	120%
P	1	3051332	233	217	7.1%	< 10				80%	120%
Pb	1	3051332	1840	1710	7.3%	< 0.1				80%	120%
Rb	1	3051332	4.3	3.7	15.0%	< 0.1	13	13	100%	80%	120%
S	1	3051332	4.01	3.71	7.8%	< 0.005	0.82	0.80	102%	80%	120%
Sb	1	3051332	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3051332	8.5	7.8	8.6%	< 0.1				80%	120%
Se	1	3051332	29.9	35.0	15.7%	< 0.2	0.8	0.8	100%	80%	120%
Sn	1	3051332	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3051332	15.1	16.1	6.4%	< 0.2	288	290	99%	80%	120%
Ta	1	3051332	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3051332	< 0.1	< 0.1	0.0%	< 0.1	1.2	1.4	85%	80%	120%
Ti	1	3051332	0.0057	0.0055	3.6%	< 0.005				80%	120%
Tl	1	3051332	2.79	2.22	22.8%	< 0.02				80%	120%
U	1	3051357	6.06	4.77	23.8%	< 0.05				80%	120%
V	1	3051332	55.3	50.7	8.7%	< 0.5				80%	120%
W	1	3051332	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3051332	2.40	2.24	6.9%	< 0.05				80%	120%
Zn	1	3051332	7000	6500	7.4%	< 0.5				80%	120%
Zr	1	3051332	8.6	7.7	11.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3051357	1.10	1.02	7.5%	< 0.01				80%	120%
Al	1	3051357	5.99	5.91	1.3%	< 0.01				80%	120%
As	1	3051357	79.7	76.4	4.2%	< 0.1				80%	120%
B	1	3051357	21	14		< 5				80%	120%
Ba	1	3051357	47	46	2.2%	< 1				80%	120%
Be	1	3051357	0.25	0.25	0.0%	< 0.05				80%	120%
Bi	1	3051357	8.67	7.05	20.6%	< 0.01				80%	120%
Ca	1	3051357	1.54	1.51	2.0%	< 0.01				80%	120%
Cd	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

Solid Analysis (Continued)											
RPT Date: Feb 01, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
									Lower	Upper	
Ce	1	3051357	13.0	12.0	8.0%	< 0.01				80%	120%
Co	1	3051357	41.8	39.9	4.7%	< 0.1	5.7	5.0	114%	80%	120%
Cr	1	3051357	743	709	4.7%	< 0.5				80%	120%
Cu	1	3051357	908	890	2.0%	< 0.1	3798	3800	99%	80%	120%
Fe	1	3051357	13.0	12.9	0.8%	< 0.01				80%	120%
Ga	1	3051357	14.3	11.5	21.7%	< 0.05				80%	120%
Hg	1	3051357	0.77	0.06		< 0.01				80%	120%
In	1	3051357	1.42	1.70	17.9%	< 0.005				80%	120%
K	1	3051357	0.138	0.132	4.4%	< 0.01				80%	120%
La	1	3051357	5.2	4.9	5.9%	< 0.1				80%	120%
Li	1	3051357	93.2	89.9	3.6%	< 0.1				80%	120%
Mg	1	3051357	5.12	4.95	3.4%	< 0.01				80%	120%
Mn	1	3051357	2430	2360	2.9%	< 1				80%	120%
Mo	1	3051357	1.88	0.69		< 0.05	349	380	91%	80%	120%
Na	1	3051357	0.01	0.01	0.0%	< 0.01				80%	120%
Ni	1	3051357	245	234	4.6%	< 0.2				80%	120%
P	1	3051357	771	736	4.6%	< 10				80%	120%
Pb	1	3051357	79.8	76.8	3.8%	< 0.1				80%	120%
Rb	1	3051357	17.0	15.3	10.5%	< 0.1	12	13	92%	80%	120%
S	1	3051357	2.97	2.95	0.7%	< 0.005				80%	120%
Sb	1	3051357	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3051357	26.2	25.0	4.7%	< 0.1				80%	120%
Se	1	3051357	10.0	9.1	9.4%	< 0.2	0.7	0.8	87%	80%	120%
Sn	1	3051357	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3051357	50.0	47.2	5.8%	< 0.2	331	290	114%	80%	120%
Ta	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3051357	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3051357	< 0.1	< 0.1	0.0%	< 0.1				80%	120%
Ti	1	3051357	0.0087	0.0082	5.9%	< 0.005				80%	120%
Tl	1	3051357	6.40	5.99	6.6%	< 0.02				80%	120%
U	1	3051357	6.06	4.77	23.8%	< 0.05				80%	120%
V	1	3051357	184	176	4.4%	< 0.5				80%	120%
W	1	3051357	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3051357	4.61	4.38	5.1%	< 0.05				80%	120%
Zn	1	3051357	334	321	4.0%	< 0.5				80%	120%
Zr	1	3051357	8.0	7.8	2.5%	< 0.5				80%	120%

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

B	1					< 5	6	7.00	85%	80%	120%
Co	1					< 0.1	4.8	5.0	96%	80%	120%
Cu	1					< 0.1	4095	3800	107%	80%	120%
Rb	1					< 0.1	14	13	107%	80%	120%
Se	1					< 0.2	0.7	0.8	87%	80%	120%
Sr	1					< 0.2	331	290	114%	80%	120%
Th	1					< 0.1	1.2	1.4	85%	80%	120%

## Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

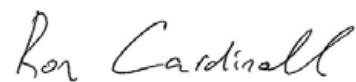
PROJECT NO:

ATTENTION TO: Louis Doyle

### Solid Analysis (Continued)

RPT Date: Feb 01, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper

Certified By:





## Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS

## Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V564790

PROJECT NO:

ATTENTION TO: Louis Doyle

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
Cu-OL	MIN-200-12032		AA
Pb-OL	MIN-200-12032		AA
Au-FA	MIN-200-12006		ICP/OES
Zn-OL	MIN-200-12032		AA

## APPENDIX M

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Deposit Type G04 – Besshi Massive Sulphide Zn-Cu-Pb  
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Deposit Type E04 – Sediment-Hosted Cu  
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Minfile No. 093A 142 (Ace) [http://minfile.gov.bc.ca/report.aspx?f=PDF&r=Minfile\\_Detail.rpt&minfilno=093A++142](http://minfile.gov.bc.ca/report.aspx?f=PDF&r=Minfile_Detail.rpt&minfilno=093A++142)  
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Minfile No. 093B 025 (Lynda) <http://minfile.gov.bc.ca/Summary.aspx?minfilno=093B%20%20025>

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## **APPENDIX N**

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### **Statement of Expenditures**

# Barker Minerals Ltd.

Work was completed between May 15, 2011 to December 15, 2011

**Diamond Drilling, Geological Mapping, Trenching, Prospecting & Physical Work  
on the Frank Creek, Black Bear, Simlock & Peripheral Properties.**

## Geological -

### Planning and managing all exploration related work in 2011

#### Louis Doyle -

30 days @ \$400.00/day wages	\$ 12,000.00
30 days @ \$125.00/day room & board	\$ 3,750.00
30 days @ \$125.00/day vehicle	\$ 3,750.00
	<b>\$ 19,500.00</b>

## Report preparation

#### Louis Doyle -

5 days @ \$400.00/day wages	\$ 2,000.00
	<b>\$ 2,000.00</b>

## Frank Creek Property

### Drilling

#### Adevara Odewande - Geologist

47 days @ \$500.00/day wages	\$ 23,500.00
47 days @ \$125.00/day room & board	\$ 5,875.00
24 days @ \$125.00/day vehicle	\$ 3,000.00

#### Leonard Simard - Drill Consultant

21 days @ \$400.00/day wages	\$ 8,400.00
21 days @ \$125.00/day room & board	\$ 2,625.00
21 days @ \$125.00/day vehicle	\$ 2,625.00

#### Aaron Doyle - ACD Contracting Ltd. - Head Driller

26 days @ \$125.00/day room & board	\$ 3,250.00
26 days @ \$125.00/day vehicle	\$ 3,250.00

#### Chris Dyck - Drill Helper

26 days @ \$125.00/day room & board	\$ 3,250.00
26 days @ \$125.00/day vehicle	\$ 3,250.00

#### Jeff Hall - Core teching and core splitter

26 days @ \$175.00/day wages	\$ 4,550.00
26 days @ \$125.00/day room & board	\$ 3,250.00

<b>James Doyle - Camp Manager</b>		
20 days @ \$275.00/day wages		\$ 5,500.00
20 days @ \$125.00/day room & board		\$ 2,500.00
20 days @ \$125.00/day vehicle		\$ 2,500.00

<b>Lindsey Fiddler - Expeditor</b>		
10 days @ \$175.00/day wages		\$ 1,750.00
10 days @ \$125.00/day room & board		\$ 1,250.00

<b>Jeff Hall - Drill support - Expeditor</b>		
5 days @ \$175.00/day wages		\$ 875.00
5 days @ \$125.00/day room & board		\$ 625.00

### Drill Charges

<b>Machine hours (includes driller &amp; helper)</b>	26 days x \$2,400	\$ 62,400.00
<b>Water</b>	26 days x \$500	\$ 13,000.00
<b>Metre charge</b>	444 x \$35/m	\$ 15,540.00

<b>Drill moves</b>		
<b>Aaron Doyle - ACD Contracting</b>	6 days x \$600.00	\$ 3,600.00
<b>Chris Dyck</b>	6 days x \$275.00	\$ 1,650.00
<b>CAT 320</b>	6 days (72 hours) x \$125/hour	\$ 9,000.00

<b>Drill pad preparation</b>		
JD Dozer	6 days (60 hours) x \$200/hour	\$ 12,000.00
Operator	6 days (60 hours) x \$50/hour	\$ 3,000.00
	6 days @ \$125.00/day room & board	\$ 750.00
	6 days @ \$125.00/day vehicle	\$ 750.00

<b>Drill Support - Access &amp; Site Prep</b>		
CAT 320	6 days (60 hours) x \$125/hour	\$ 7,500.00
Operator	6 days (60 hours) x \$50/hour	\$ 3,000.00
	6 days @ \$125.00/day room & board	\$ 750.00
	6 days @ \$125.00/day vehicle	\$ 750.00

<b>Snow clearing</b>		
JD Dozer	2 days (20 hours) x \$200/hour	\$ 4,000.00
Operator	2 days (20 hours) x \$50/hour	\$ 1,000.00
	2 days @ \$125.00/day room & board	\$ 250.00
	2 days @ \$125.00/day vehicle	\$ 250.00

**\$ 221,015.00**

### Geological -

## Black Bear Property

### Drilling

#### Adevara Odewande - Geologist

21 days @ \$500.00/day wages	\$	10,500.00
21 days @ \$125.00/day room & board	\$	2,625.00
11 days @ \$125.00/day vehicle	\$	1,375.00

#### Aaron Doyle - ACD Contracting Ltd. - Head Driller

23.5 days @ \$125.00/day room & board	\$	2,937.50
23.5 days @ \$125.00/day vehicle	\$	2,937.50

#### Chris Dyck - Drill Helper

23.5 days @ \$125.00/day room & board	\$	2,937.50
23.5 days @ \$125.00/day vehicle	\$	2,937.50

#### James Doyle - Camp manager

20 days @ \$275.00/day wages	\$	5,500.00
20 days @ \$125.00/day room & board	\$	2,500.00

#### Lindsey Fiddler - Expeditor

10 days @ \$175.00/day wages	\$	1,750.00
10 days @ \$125.00/day room & board	\$	1,250.00

### Drill Charges

<b>Machine hours (includes driller &amp; helper)</b>	23.5 days x \$2,400	\$	56,400.00
<b>Water</b>	23.5 days x \$500	\$	11,750.00
<b>Metre charge</b>	80 x \$35/m	\$	2,800.00

#### Drill moves

<b>Aaron Doyle - ACD Contracting</b>	5 days x \$600/day	\$	3,000.00
<b>Chris Dyck</b>	5 days x \$275.00	\$	1,375.00
	CAT 320 5 days (72 hours) x \$125/hour	\$	9,000.00
	5 days x \$125/day vehicle	\$	625.00

#### Drill pad preparation

JD Dozer	4 days (40 hours) x \$200/hour	\$	8,000.00
Operator	4 days (40 hours) x \$50/hour	\$	2,000.00
	4 days @ \$125.00/day room & board	\$	500.00
	4 days @ \$125.00/day vehicle	\$	500.00

#### Drill Support - Access & Site Prep

CAT 320	5 days (50 hours) x \$125/hour	\$	6,250.00
Operator	5 days (50 hours) x \$50/hour	\$	2,500.00

		5 days @ \$125.00/day room & board	\$ 625.00
		5 days @ \$125.00/day vehicle	\$ 625.00
<b>Snow clearing</b>			
	JD Dozer	8 days (80 hours) x \$200/hour	\$ 16,000.00
	Operator	8 days (80 hours) x \$50/hour	\$ 4,000.00
		8 days @ \$125.00/day room & board	\$ 1,000.00
		8 days @ \$125.00/day vehicle	\$ 1,000.00
	Potters		\$ 3,864.00
<b>Road Upgrade</b>			
	JD Dozer	2 days (20 hours) x \$200/hour	\$ 4,000.00
	Operator	2 days (20 hours) x \$50/hour	\$ 1,000.00
		2 days @ \$125.00/day room & board	\$ 250.00
		2 days @ \$125.00/day vehicle	\$ 250.00
			<b>\$ 174,564.00</b>

## Geological -

### Frank Creek Property

#### Trenching & test pits

	CAT 350	15 days (150 hours) x \$200/hour	\$ 30,000.00
	CAT 320	7 days (70 hours) x \$125/hour	\$ 8,750.00
	Operator	22 days (220 hours) x \$50/hour	\$ 11,000.00
		22 days @ \$125.00/day room & board	\$ 2,750.00
		22 days @ \$125.00/day vehicle	\$ 2,750.00

#### Reclamation

	CAT 350	5 days (50 hours) x \$200/hour	\$ 10,000.00
	CAT 320	8 days (80 hours) x \$125/hour	\$ 10,000.00
	JD Dozer	8 days (80 hours) x \$200/hour	\$ 16,000.00
	Operator	21 days (210 hours) x \$50/hour	\$ 10,500.00
		21 days @ \$125.00/day room & board	\$ 2,625.00
		21 days @ \$125.00/day vehicle	\$ 2,625.00

#### Road building & upgrades

	CAT 320	4 days (40 hours) x \$125/hour	\$ 5,000.00
	JD Dozer	3 days (30 hours) x \$200/hour	\$ 6,000.00
	Operator	7 days (70 hours) x \$50/hour	\$ 3,500.00
		7 days @ \$125.00/day room & board	\$ 875.00
		7 days @ \$125.00/day vehicle	\$ 875.00

#### Snow clearing

JD Dozer	2 days (20 hours) x \$200/hour	\$ 4,000.00
Operator	2 days (20 hours) x \$50/hour	\$ 1,000.00
	2 days @ \$125.00/day room & board	\$ 250.00
	2 days @ \$125.00/day vehicle	\$ 250.00
		<b>\$ 128,750.00</b>

**Geological -**

**Black Bear Property**

**Mapping & Rock Sampling**

**Adewara Odewande - Geologist**

20 days @ \$500.00/day wages	\$ 10,000.00
20 days @ \$125.00/day room & board	\$ 2,500.00

**Brian Hall - Geological Assistant**

20 days @ \$250.00/day wages	\$ 5,000.00
20 days @ \$125.00/day room & board	\$ 2,500.00
20 days @ \$125.00/day vehicle	\$ 2,500.00

**\$ 22,500.00**

**Geological -**

**Simlock Project**

**Brush Clearing Roads**

**Jeff Hall**

3 days @ \$175.00/day wages	\$ 525.00
3 days @ \$125.00/day room & board	\$ 375.00

**Brain Hall**

3 days @ \$250.00/day wages	\$ 750.00
3 days @ \$125.00/day room & board	\$ 375.00
3 days @ \$125.00/day vehicle	\$ 375.00

**\$ 2,400.00**

**Geological -**

**Simlock Project**

**Mapping & Rock Sampling**

**Adewara Odewande - Geologist**

5 days @ \$500.00/day wages	\$ 2,500.00
5 days @ \$125.00/day room & board	\$ 625.00





4 days @ \$125.00/day vehicle	\$	500.00
<b>Lindsey Fiddler</b>		
2 days @ \$175.00/day wages	\$	350.00
2 days @ \$125.00/day vehicle	\$	250.00
<b>Brian Hall</b>		
2 days @ \$250.00/day wages	\$	500.00
2 days @ \$125.00/day vehicle	\$	250.00
<b>James Doyle</b>		
4 days @ \$275.00/day wages	\$	1,100.00
4 days @ \$125.00/day vehicle	\$	500.00
Total mobe & demobe	<b>\$</b>	<b>12,544.71</b>
<b>Planning and managing all exploration related work in 2011</b>	<b>\$</b>	<b>19,500.00</b>
<b>Report preparation</b>	<b>\$</b>	<b>2,000.00</b>
<b>Total Frank Creek Drilling Expenditures</b>	<b>\$</b>	<b>221,015.00</b>
<b>Total Black Bear Drilling Expenditures</b>	<b>\$</b>	<b>174,564.00</b>
<b>Total Frank Creek Trenching Expenditures</b>	<b>\$</b>	<b>128,750.00</b>
<b>Total Black Bear Geological Mapping &amp; Rock Sampling Expenditures</b>	<b>\$</b>	<b>22,500.00</b>
<b>Total Simlock Brush Clearing Roads Expenditures</b>	<b>\$</b>	<b>2,400.00</b>
<b>Total Simlock Geological Mapping &amp; Rock Sampling Expenditures</b>	<b>\$</b>	<b>5,250.00</b>
<b>Total misc. expenditures</b>	<b>\$</b>	<b>57,724.94</b>
<b>Total Geochemical Expenditures</b>	<b>\$</b>	<b>5,386.38</b>
<b>Total Mobe &amp; Demobe</b>	<b>\$</b>	<b>12,544.71</b>
<b>Total Expenditures</b>	<b>\$</b>	<b>651,635.03</b>

## **APPENDIX O**

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### **Statement of Qualifications**

**Statement of Qualifications:**

I Louis E. Doyle, President/CEO/Prospector have 18 years experience managing exploration programs in the Cariboo Mining District of British Columbia, Canada.