



BC Geological Survey  
Assessment Report  
33963

Aztec File #1301-BL-WGM

**DIAMOND DRILLING REPORT**  
**MINERAL TENURE # 511635**  
**BACON LAKE PROPERTY**  
**NANAIMO MINING DIVISION, BC**  
**NTS 092F/13E**  
**LATITUDE 49° 57'52"N / LONGITUDE 125° 37'35"W**

**Prepared for:**

**Lombard Resources Corp. &  
Western Gateway Minerals  
Vancouver, B.C.**

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## Executive Summary

The Bacon Lake Property, is currently being explored by Lombard Resources Corp., who have an option on the property from Western Gateway Minerals (WGM). WGM is owner of the Bacon Lake mineral property, which consists of one tenure, totaling a landmass of 1,413.25 hectares that is located west of Campbell River on Vancouver Island, British Columbia.

The property mineralization primarily consists of massive magnetite that occurs as irregular pods or ribbon-like lenses. These are classified as calcic iron skarns or contact metasomatic iron deposits, a deposit type that is abundant throughout Vancouver Island. These occurrences are generally developed on or near marble and contacts with later phase intrusive diorite. Such deposits are associated with pyroxene +/- garnet skarn and epidote. Other metallic mineralization common with these deposits are copper, cobalt, nickel and precious metals such as gold and silver. These are generally non-economical, due to low concentrations or due to insufficient size.

Historical records indicate the initial discovery was around 1917. Further documented grass-roots exploration work was performed by a number of different operators starting from the early 1950's through into the 1960's and again during the late 1980's. This work included mapping, trenching, soil sampling, a ground magnetometer survey and during 1951 and 1960 diamond drilling was done. In the following years the property underwent small-scale exploration and prospecting that continued into 2000. Ground magnetometer surveys were conducted east of Bacon Lake during 2008 and in 2009 showing positive results. In 2010 a helicopter aeromagnetic survey covering the current property surrounding Bacon Lake was completed. This survey identified eleven magnetic high anomalies, with several having a northerly lineation that extends for approximately 6 kilometres. The most recent work consisted of 7 diamond drill holes totaling 588m all of which were located along the Bacon Lake East road, along the southeast side of Bacon Lake.

Three magnetic anomalies (Pods 1, 2 and 4) have been verified to consist of magnetite mineralized skarns as defined by past and current exploration works. As the size and pod-like shapes of the eight other anomalies are similar, it is reasonable to suggest they are also related to magnetite mineralization. The apparent northeast strike of most of these pods conforms to the strike of the regional geology of Karmutsen volcanic and Quatsino sedimentary rocks and the magnetic signature seems to follow the presumed contact of the large intrusive body to the east. The shapes of the anomalies suggest the skarns are podiform and appear continuous over distances of 200 to 500m. It has been previously noted that magnetic values in these airborne anomalies tend to peak on the west side and trail out to the east, suggesting that the skarns dip to the east-northeast. This however was not confirmed in the recent aerial survey or through drilling.

There have been several historically successful mining operations on Vancouver Island whose primary ore consisted of magnetite and several other small scale, sub-economic mines. Set within an irregular pod and lens depositional environment, the basic criteria required to reach an economic status, is that magnetite deposits must achieve sufficient size (tonnage) / grade and mine-ability.

The Bacon Lake property magnetite mineralization, as currently defined by an aerial survey, indicates it may achieve sufficient tonnage based on the size and lineation of the anomalies. Therefore, this project warrants further exploration work directed toward confirming additional magnetite deposits. The recommended field survey and 4,000m diamond drill program is designed to discover and rate additional magnetite mineralization, thereby expanding the property's mineral deposit inventory and economic potential.

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## 1.0 Introduction

### 1.1 Terms of Reference / Objectives

This is a report on the 2012 diamond drilling program (624m in 7 holes) carried out on Tenure #511635 in the central area of Western Gateway Minerals Ltd.'s Bacon Lake Claims. The drill core was logged and sampled by the author with assistance from Joe and Claude Paquet and a discussion of results is included in this report.

### 1.2 Location, Access & Infrastructure

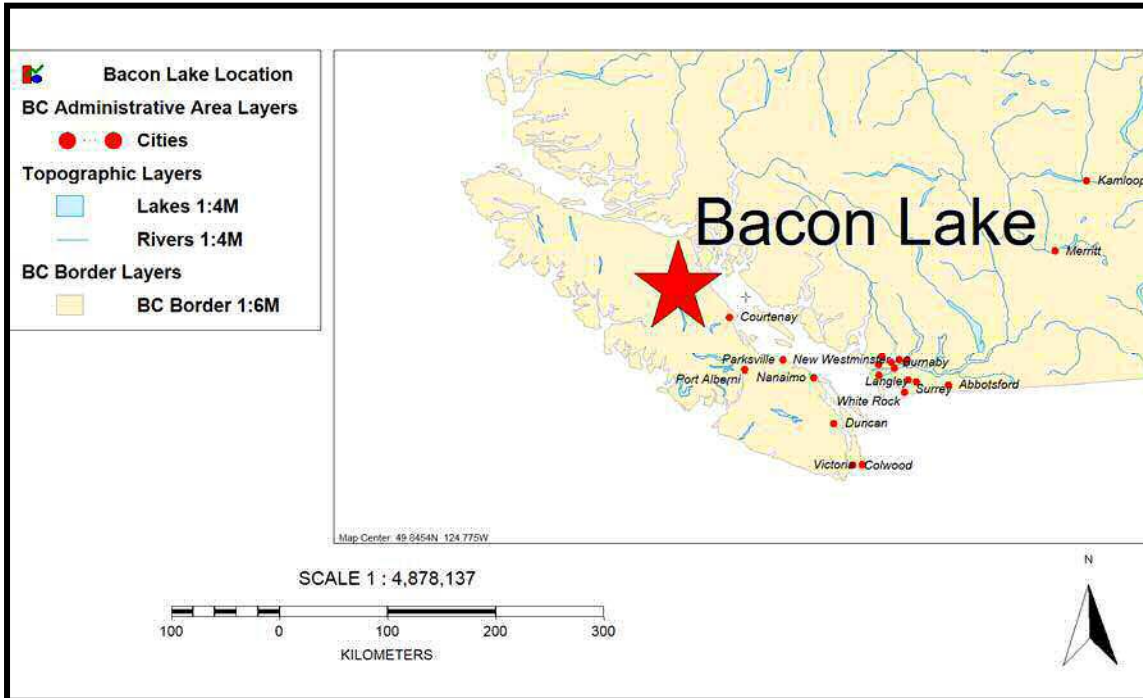
The claims are accessed via Highway #28 (Gold River Highway, which heads east and originates from Campbell River) onto Strathcona Dam Rd., then Elk River Rd. which crosses over the Campbell Lake hydro dam, followed by several Forestry roads that lead toward Bacon Lake Main which passes along the west side of Bacon Lake. It is approximately 40 kilometres into the heart of the property from Campbell River, BC. There are several other forestry roads belonging to TimberWest Forest Company ("TimberWest") that provide good access throughout the remaining 1413 ha property area.

Travel directions by GPS: Zone 10

|                               |         |          |            |
|-------------------------------|---------|----------|------------|
| Hyw#28, Campbell River .....  | 337046E | 5544813N |            |
| Strathcona Dam Rd, .....      | 315755E | 5538532N | turn right |
| Elk River Forestry Rd. ....   | 315724E | 5538844N | turn left  |
| Allen Creek Forestry Rd. .... | 313830E | 5537884N | turn right |
| Bacon Lake Forestry Rd. ....  | 311539E | 5537686N | turn right |

The City of Campbell River (Pop 31,000) is Vancouver Island's third largest city providing ample services that facilitate the resource sectors of mining, logging and fishing. The city currently is the chosen location for many who work at Nyrstar's Myra Falls Mines operation, the nearby Quinsam Coal and other mine related services. The Bacon Lake property location falls within a reasonable commute from the Campbell River community. Concentrates originating from the Myra Falls and Quinsam operations are shipped using the Campbell River sea-loading terminals. BC Hydro's double 138,000 volt transmission line to Gold River passes through the Bacon Lake Property.

FIGURE 1: Bacon Lake Location Map



### 1.3 Legal Property Description & Ownership

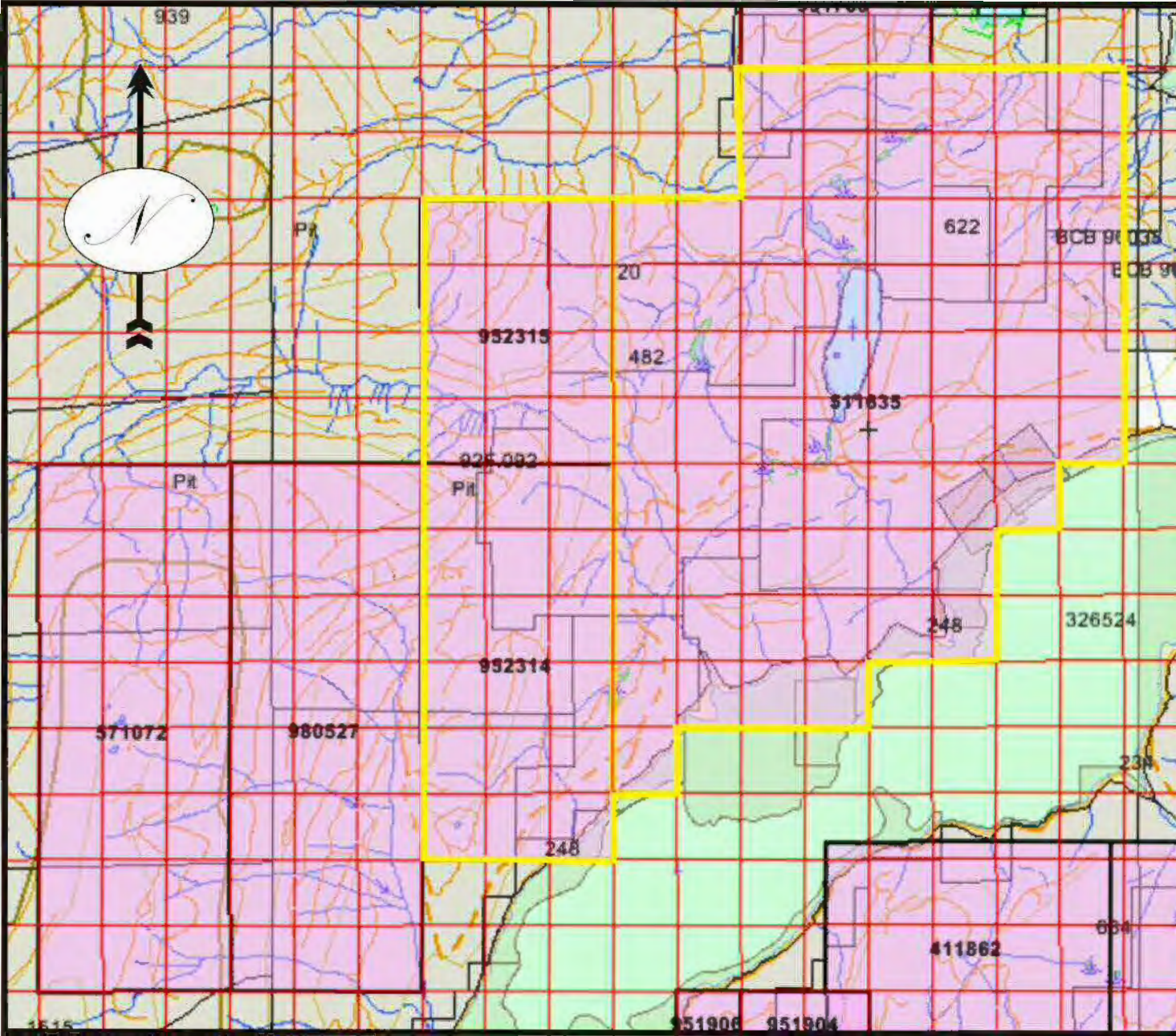
The surface rights are held by TimberWest Forest Company, who also maintains the road networks throughout the area. The Bacon Lake Property (Table 1) held by Western Gateway Minerals covers an area 1,413.25 ha (3,490.7 acres) bordered by Upper Campbell Lake to the south. The mineral holder must maintain a road use and access agreement with TimberWest.

**Table 1 – Bacon Lake Mineral Tenure as of Nov 30, 2012**

| Tenure # | Ownership                | Hectares | Expiry Date   |
|----------|--------------------------|----------|---------------|
| 511635   | Western Gateway Minerals | 1413.25  | Nov. 15, 2019 |

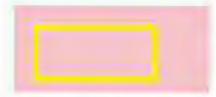
Western Gateway Minerals Inc. is a privately held BC corporation the major shareholders who are David Fawcett (Vancouver) and Joseph Paquet (Campbell River). Lombard Resources Corp. (LRC or Optionee) has an agreement with Western Gateway Minerals (WGM or Optionor) to irrevocably grant to the Optionee or assign the sole and exclusive right and option to acquire an undivided One Hundred Percent (100%) interest in and to the Property.

There are no apparent Indian Reserves, First Nations Treaty Lands or First Nations Treaty Related Lands indicated within the immediate map region and claim boundaries. However, the area is classified under the Hamatla Treaty Society and designated as part of the K'omoks First Nations land claim. It is also with the consultative areas of Wei Wai Kum First Nation, We Wai Kai Nation, K'omoks First Nation, Laich-kwil-tach Treaty Society and Nanwakolas.



# Figure #2 TENURE MAP

## LEGEND



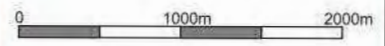
*Bacon Lake Property  
Tenure Boundary*

Map Source

***Mineral Titles  
Online, BC. Gov***

Date Acquired

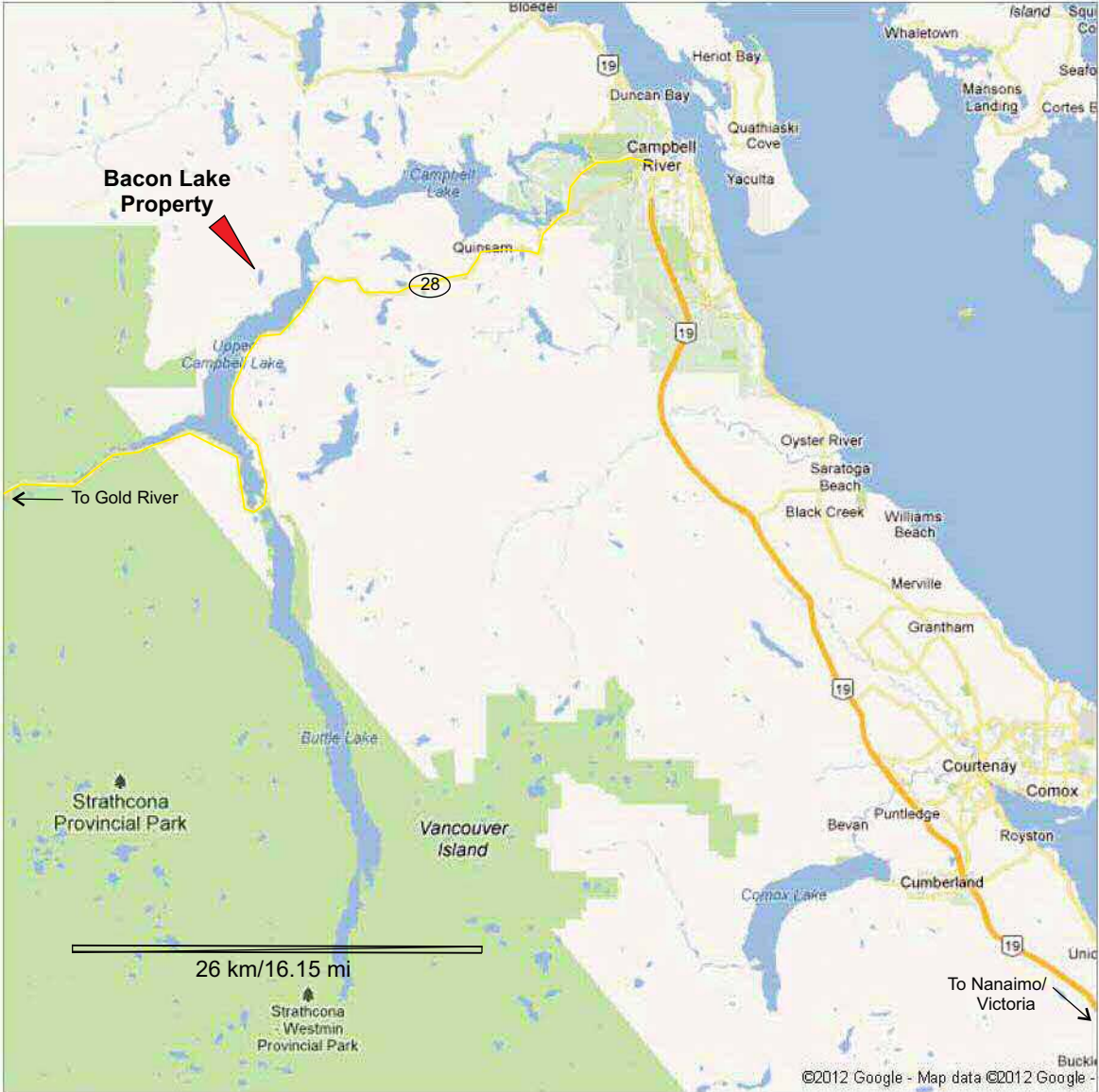
***Nov 19, 2012***



Scale 1:40,000



Figure 3: Location / Access Map



## 1.4 Physiography

Vancouver Island is the largest island along North America's western shoreline, being 451km long and a maximum of 126km wide. Most of its area is mountainous with peaks rising to 2000m elevation. Central valleys often contain finger-lakes and the west coast is largely fiord-ridden. Most of the east coast along the Strait of Georgia consists of lowland plains of the Georgia Depression.

The Bacon Lake Property is in the eastern foothills of the Vancouver Island Range Mountains, just west of the planar lowlands. Elevations of this rolling landscape range from 220m (adjacent to Upper Campbell Lake) to 630m above sea level, on a hilltop NE of Bacon Lake (Bacon Hill). Bacon Lake rests in a wide plateau valley stretching north-northeast towards Becher Lake. Google Earth™ imagery shows recent logging on the hill northeast of Bacon Lake and active logging is current on the property. An extensive road network exists over the claim area and more roads are being constructed. Some former access structures are overgrown. Bedrock outcrops are abundant and the surficial mantle of glacial origin varies greatly over the property occurring as pockets between bedrock hillocks and as thick blankets in valleys and on ridge sides.

## 1.5 Climate and Vegetation

The property is predominantly covered by second growth and regenerating Douglas Fir, Western Hemlock and Western Red Cedar forests of the Coastal Western Hemlock Biogeoclimatic Zone. The climate is dry maritime, with an annual precipitation of 1451mm mostly in the form of rainfall, (Environment Canada Climate Normals, 1971–2000 – Campbell River A ~26km NE). Seasonal precipitation patterns are typical of coastal British Columbia. Precipitation occurs mainly as rain between October and April, but transient snow accumulations may also occur down to sea-level, mainly between November and March.

## 1.6 Acknowledgements

The author would like to acknowledge the assistance and property knowledge of Joseph Paquet and Claude Paquet in contributing to this report and to Peak Drilling Ltd. for an effective drilling program completion on the property.

## 1.7 Property History

The first recorded work in the Bacon Lake area was the Sumpter workings (Minfile # 092F 124) consisting of a 5m shaft on the western shore of Upper Campbell Lake in 1916. The shaft was sunk into a garnet-epidote skarn at the contact of granodiorite and limestone. Mineralization was reported as disseminated bornite, chalcopyrite and magnetite. A sample from the bottom of the shaft assayed 96 gm/tonne Ag, 3% Cu and trace Au. The mineralized zone extends for 23m along a 040° bearing from the shaft.

Also early on, a magnetite-pyrrhotite-chalcopyrite skarn exposed in Greenstone Creek (north of Bacon Lake Property) – Minfile # 092F 237 was worked from 1916 to 1917, resulting in the mining of 83 tonnes of ore producing 14, 018 kgs of copper, 4,074 gms of silver and 31 gms of gold. Workings consisted of several large open-cuts and two adits, with possibly three more adits driven in the years following (pre-1955).

Apart from some non-documented mining exploration that occurred during the 1930's recorded work commenced in the 1950s, when the Bacon Lake area was roaded and logged by Elk River Timber Co. In 1951, B.C. Iron Ore Development Co. Ltd. carried out a magnetometer survey, mapping, pitting and channel sampling and a 19-hole diamond drilling on magnetite skarn deposits in the area. Drilling took place on the southeast side of Bacon Lake (East Bacon Lake Road), and most drill locations were confirmed in the field during the Minland Project in 1997. Partial drill logs show drill holes intersecting interbanded crystalline limestone, garnetite and epidote, magnetite, volcanics and diorite. Assays from twelve x-ray drill holes were reported on in a 1952 report by A.H. Upton:

**Table 2:** 1951 Iron Ore Development Co. Drill Results (East Bacon Lake Road Area)

| Drill Hole # | *Magnetite Pod # | Total Hole Depth   | Intersection   | Results                                       |
|--------------|------------------|--------------------|--|---|
| DDH 1        | Pod 1            | 35 feet (10.67m)   | 35 feet (10.67m)   | 52.8% Fe                                      |
| DDH 2        | Pod 1            | 80 feet (24.39m)   | 3 feet (0.9m)<br>7.5 feet (2.3m)<br>2.25 feet (0.69m)<br>14.5 feet (4.42m) | 57% Fe<br>52.9% Fe<br>61% Fe<br>57.3% Fe      |
| DDH 3        | Pod 1            | 30 feet (9.15m)    | 7.5 feet (2.3m)  | 58.93% Fe                                     |
| DDH 4        | Pod 1            | 39 feet (11.89m)   | 5 feet (1.52m)<br>3 feet (0.9m)<br>2 feet (0.61m)                          | 52.95% Fe<br>56.15% Fe<br>58.5% Fe            |
| DDH 5        | Pod 2            | 61 feet (18.6m)    | 11 feet (3.35m)<br>16.5 feet (5.03m)                                       | 54.7% Fe<br>47.52% Fe                         |
| DDH 6        | Pod 2            | 80 feet (24.39m)   | 2 feet (0.61m)<br>4 feet (1.22m)   | 60.7% Fe<br>38.8% Fe                          |
| DDH 7        | Pod 2            | 56 feet (17.07m)   | 16 feet (4.88m)<br>5.5 feet (1.68m)<br>3 feet (0.9m)                       | 58.93% Fe<br>57.25% Fe<br>30.95% Fe           |
| DDH 8        | Pod 2            | 71 feet (21.65m)   | 17 feet (5.18m)<br>4.5 feet (1.37m)<br>1.5 feet (0.45m)<br>2 feet (0.61m)  | 32.47% Fe<br>28.8% Fe<br>57.9% Fe<br>41.3% Fe |
| DDH 9        | Pod 2            | 38.5 feet (11.73m) | 3.5 feet (1.07m)<br><br>6 feet (1.83m)<br>2 feet (0.61m)                   | 58.1% Fe<br><br>27% Fe<br>25.5% Fe            |
| DDH 10       | Pod 1            | 61 feet (18.6m)    | 6 feet (1.83m)   | 14.07% Fe                                     |
| DDH 14       | Pod 1            | 27 feet (8.23m)    | 2.5 feet (0.76m)<br>10 feet (3.05m)  | 47.6% Fe<br>33% Fe                            |
| DDH 15       | Pod 1            | 79 feet (24.08m)   | 5 feet (1.52m)<br>1.5 feet (0.46m)<br>5 feet (1.52m)<br>2.5 feet (0.76m)   | 48.75% Fe<br>48% Fe<br>42.4% Fe<br>16.2% Fe   |

\*Pod Numbers are newly assigned in this report based on 2010 distinct aero magnetic anomalies

Most of these drill holes cluster around or over the main showing, extending westward from East Bacon Lake Road toward the lake. Drill Holes 5 through 9 were located on the east side of East Bacon Lake Road, several hundred metres north of the main showing. A map drawn by J. Rutherford in 1951 indicates these as two separate known areas of ore. These areas are confirmed by several magnetometer surveys over subsequent years. A channel sample along 350 feet (106.7m) of the main showing (Pod 1) averaged 62.8% Fe).

The area of the main showing drilled and channel sampled is approximately 100m in length (north-south trend), with the magnetic anomaly of this area (Pod 1) being approximately 200m long by 100m wide. Magnetite intersections occurring from surface to 17.5m depths ranged from 2m to 10.5m wide in the seven drill holes, with average width of 4.8m grading average values of 45% Fe.

Five drill holes in Pod 2, north up East Bacon Lake Road from the "main showing", showed magnetite intersections occurring from surface to 17.5m depths; ranging from 2m to 8m wide, with average width of 5.7m grading average values of 45% Fe. The magnetic anomaly of this area (Pod 2) is approximately 500m long by 100m wide.

During 1960 Falconbridge discovered a new magnetite zone on Bacon Hill, approximately 1km northeast of the main showing, while "running air mag over a geologically favourable area" in 1960. There were no known outcrops of magnetite on this claim at the time, but overburden was considered to be less than 3m. In 1961 three diamond drill holes (sharing the same collar location) and one packsack drill hole, located approximately 30m to the east, all penetrated magnetite sections (Bacon Showing – Rock Minfile #092F 038) on the hill to the NE of Bacon Lake in 1961.

**Table 3:** 1961 Drill Results (Bacon Hill)

| Drill Hole # | Total Depth       | Intersection   | Results                             |
|--------------|-------------------|--|-------------------------------------|
| 1            | 102 feet (31.09m) | 17 feet (2.65m)<br>4 feet (1.22m)<br>2 feet (0.61m)      | 17.66% Fe<br>36.8% Fe<br>41.66% Fe  |
| 2            | 206 feet (62.8m)  | 8.5 feet (2.59m)<br>21.5 feet (6.55m)                    | 14.19% Fe<br>19.05% Fe              |
| 3            | 85 feet (25.9m)   | 12 feet (3.66m)<br>2.5 feet (0.76m)<br>14.5 feet (4.42m) | 17.46% Fe<br>16.85% Fe<br>53.57% Fe |
| 4            | unknown           | 10 feet (3.05m)  | 45.15% Fe                           |

The location of this drilling falls approximately within the (Pod 4) magnetic anomaly, which is approximately 500m long by 100 to 150m wide. Magnetite intersections occurring from 1m to 19m depths ranged from 3.5m to 9m wide in the four drill holes, with average width of 6.5m grading average values of 30% Fe.

Minfile #092F 098 (Greenstone Creek) outlines a 1.5km wide by 8km long band of Upper Triassic Quatsino Formation limestone striking NW from Greenstone Creek immediately north of the Bacon Lake Property. The limestone bed dips NE, bounded to the east by Bonanza Group volcanics and sediments and to the west by Karmutsen basaltic volcanics. The band is truncated to the south by a NE trending fault. Chip samples taken by Gunnex Mines in 1965 along a 45m length of canyon wall on Greenstone Creek (main showing) returned an average of 1.18% Cu (trace Au and Ag) largely from the magnetite-pyrrhotite skarn band. In 1967, underground and surface drilling (>1000 feet) was conducted on the Greenstone Creek Property by Georgia Mines Ltd. This work showed high grade lenses (up to 4% Cu and up to 5m intersections) within a diopside-garnet skarn approximately 5m lower than the main surface showing. A follow-up airborne geophysical and ground geochemical surveys on the Greenstone Creek Showing, Crown Grants 1215 and 1216, northwest of Becher Lake was conducted in 1969. Airborne geophysical maps show that a north trending aeromag high trends southward west of Becher Lake onto the Bacon Lake Property. More geological data collection was recommended in a compilation report undertaken by E.A. Lawrence in 1998 (ARIS Report #25809), but no further work has been reported.

Minfile #092F 097 (Upper Campbell Lake) specifies a report by the Geological Survey of Canada 1968 of a 1.75km long by 500m wide trace of Upper Triassic Quatsino Formation limestone striking NW from the western shores of Upper Campbell Lake to the SW side of Bacon Lake. This limestone band dips NE and is bounded by granodiorite on the east and Karmutsen basalts on the west.

In the late 1980s renewed work in the area by Sawiuk, Brownlee and Gosse targeted magnetite, copper, gold and cobalt skarn resources primarily on the east side of Bacon Lake (Bacon Claim – ARIS Reports #16321, 17395, 18946 and 21193) and west of Becher Lake (Julia Claim – ARIS Reports # 17405 and 18947). Results of this work are summarized as follows:

- Spring 1987 – SE side of Bacon Lake (ARIS# 16321): prospecting and 4 grab samples from magnetite skarn were analyzed for Cu, Co, Fe, Ag, and Au. Results showed 1.08% Co and 0.67 oz/ton Au in 1 sample; elevated Cu in 2 samples, elevated Au in 2 samples and Fe ranging from 16.4 to 36.5%.
- Fall 1987 – East side of Bacon Lake on west side of old logging road (ARIS# 17395): geological mapping and 8 rock samples analyzed for Cu, Co, Fe, Ag and Au. Results were focused on skarns forming at contacts between granodiorite/quartz diorite intrusives and limestone and andesitic volcanics of Bonanza Group. Skarns consisted of epidote-diopside-chlorite assemblages and massive magnetite with minor pyrite and chalcopyrite; up to 1.08% Co and 0.456 oz /ton Au. There were good correlations between Au and Co and between Cu and Ag. The Fe content of the massive magnetite ranged between 25% and 55%.
- Fall 1987 – sampling of the Steller Showing exposed by recent road construction (Aris # 17405). Cu, Zn, Ag and Au mineralization hosted in 1metre wide shear zone consisting of fractured gabbro, andesitic tuffs and flows and extensive quartz-sericite-chlorite alteration. Au and Ag elevated values are closely associated with elevated Zn and lesser elevated Cu. Magnetite at the north end of the showing had no Au or Ag values.
- Spring 1989 – prospecting, geological mapping, rock sampling and magnetometer survey over Willie Showing area, SE Bacon Lake (ARIS# 18946). The program extended known magnetite skarn showings and located two

- previously unknown skarns. Limestone and calcareous shales are overlain by andesitic breccia, lava and tuff with interbeds of argillite, siltstone and limestone. Volcanics and sedimentary rocks are intruded by granodiorite and quartz diorite. The volcanics have been silicified and in part skarnified along the contact. Disseminated and vein magnetite occur in several areas. In two areas the limestone is totally skarnified and contains semi-massive to patchy magnetite and associated pyrite with lesser chalcopyrite and malachite.
- Spring 1989 – geological mapping, VLF-EM and magnetometer survey over Steller Showing (ARIS# 18947). Medium to coarse crystalline diorite and coarse crystalline magnetic gabbros intrude moderately silicified andesitic volcanics, which is often bleached and cut by epidote-calcite veinlets. Mineralization occurs in a 1m wide silicified-carbonate shear structure in a 6m wide Fe-stained zone. All this is contained in a 10-15m wide zone of chlorite-magnetite replacement occurring as irregular shapes in the host rock. VLF-EM survey showed a north trending conductor approximately 75m to the west of the Steller shear zone. A north trending magnetic low appears to signify the Steller Showing with a magnetic high to the west.
  - Spring 1991 – magnetometer survey over area SE of Bacon Lake (ARIS# 21193). Four 100 to 250m long by 10 to 100m wide subparallel linear magnetic anomalies strike N25W conforming to the strike of the geology. Two smaller (10-30m wide by 50-75m long) subparallel anomalies are open in both directions. Magnetite skarns occur along three of the anomalies. Carbonate units are preferentially replaced with magnetite. Anomalies are asymmetric with variable widths suggesting podiform magnetite mineralization over 100 to 300m strike lengths, dipping to the east-northeast. The property can be considered a magnetite prospect as well as a precious metal prospect.

In 1997 the Minland Project under the guidance of C.C. Rennie, P.Eng., undertook prospecting, stripping, hand trenching and channel sampling over the old road and showings along the SE side of Bacon Lake (ARIS # 25513A). Samples were sent to Chemex Labs in North Vancouver for fire assay with AA finish, acid soluble iron and 32 element ICP analyses for minor elements. Mineral exposures and surrounding geology were mapped at a scale of 1:5,000. A summary report (CC Rennie, Dec. 1997) reiterated that the Bacon Lake Property hosts a large area of magnetite and sulphide-bearing skarn in limestone and altered volcanics intruded by granodiorite. Magnetite is the most obvious mineral target with bands up to 3m thick. Gold assays were interesting, yet variable possibly due to the nugget effect. No free gold has been detected to date. There appears to be a strong gold correlation (up to 61gm/t gold) with cobalt (erythrite and cobaltite) but this has not been confirmed in petrography. One sample of massive magnetite (sample 38) revealed 8.6gm/t gold. Four quadrants over known showings on either side of East Bacon Lake Road were channel sampled. From 67 samples analyzed (0.5 to 5m lengths), magnetite sections ranged from 20 to 65% Fe, whereas silicified volcanics containing magnetite showed commonly lower Fe content.

In May 2008 an internal geological evaluation of the Bacon Lake Property was undertaken by Finley Bakker, P.Geo. This included one day on the property and a documentation review. He concluded that magnetite was visible on surface in a half dozen possibly isolated outcrops over lengths up to 300m and widths of up to 10m and heights of 8m. At most exposures magnetite is massive and at some it is disseminated throughout the volcanics. His summary focused on the proximal location of the Bacon Lake property to a regional "Mag high" which includes several other magnetite occurrences such as Camp Lake, Argonaut Mine and the Iron River deposit. The largest single outcrop to date at Bacon Lake has potential tonnage of >100,000 tonnes. Similar outcrops on the property are of unknown size due to overburden.

In 2009 a second ground magnetometer survey was undertaken over the recently-established cut grid. Stations were at 10m intervals and at intervals along East Bacon Lake Road, the power line road and along the southern edge of the power line right-of-way. Resulting interpretations showed a strongly defined northwest-trending anomaly following the known main showings and a second weaker anomaly approximately 50m to the east. The main anomaly remains open to the south. Isolated highs exist along East Bacon Lake Road to the northeast of the main showings.

#### Aeromagnetic Survey

On February 16<sup>th</sup>, 2010 a helicopter-borne magnetic survey was conducted over the Bacon Lake Property by Aeroquest Limited (Job #10-022). The principal geophysical sensor was a helicopter stinger mounted cesium vapour magnetometer. Ancillary equipment included a GPS navigation system, radar altimeter, digital video acquisition system, and a base station magnetometer. The total survey coverage was 180.5 line kilometres, of which 165.6 line kilometres fell within the defined project area. The survey was flown in a 90°/270°line direction.

Results of this survey corresponded with former on-the-ground smaller surveys and indicated the strongest magnetic anomaly trending northward along the ridge side east of Bacon Lake, where most of the known showings exist.

In addition, the survey outlined several other north trending anomalies which serve to provide potential targets for further exploration efforts on the Bacon Property. Areas of particularly high Calculated Vertical Magnetic Gradient in addition to known showings are:

- extending from the peninsula on Upper Campbell Lake northwestward along the series of ridges east of Ranald Creek and west of Bacon Lake (skarn or porphyry copper target?)
- extending off the main showing trend north and south along east side of Bacon Lake (magnetite and sulphide skarn target)
- areas thought to be underlain by intrusives along the east side of the property (porphyry copper target).

## Soil Geochemical Survey

A 2011 roadside soil sampling program was conducted over Western Gateway Mineral's Bacon Lake Property. Samples were collected at 50m spacing on the upside of selected roads on the Bacon Lake Property and sent to Acme Labs in Vancouver for ICP-ES analysis of 32 elements. Basic statistical analysis of the results showed the strongest element association of potentially economic value to be the Cu-Ni-Co-Fe-Cr-Mg-Ti ( $\pm$ Zn) trend. This trend denoted one new large-sized exploration target for the Bacon Lake Property and confirmed other target areas:

Mid Western Sector of the Bacon Lake Property: extensive moderate to highly anomalous soil values in Cu-Ni-Co-Fe-Cr-Mg-Ti ( $\pm$ Zn) over Lines B-1, B-2, B-3 and B-5. This area corresponds with strong un-prospected and un-tested "Mag-High" trends identified in the 2010 aero-magnetometer survey over the Bacon Lake Property.

Line B-4 which follows the trend of the main known magnetite showing on the property showed sporadic moderately anomalous Cu-Zn-Ni-Co-Fe-Cr-Mg-Ti along its length, with highest values of Cu-Ni-Co-Mg along the southern 200m of the line. This area corresponds with a strong "Mag-High" trend identified in the 2010 aero-magnetometer survey over the Bacon Lake Property.

Two isolated Cu-Ni-Co-Fe-Cr-Mg-Ti anomalies occur along the initial 300m of Line B-6 southeast of Bacon Lake and one highly anomalous Cu-Zn anomaly occurs at the end of Line B-9 in association with moderately anomalous Ni-Co-Fe-Cr-Mg-Ti values. This area is thought to be within the intrusive rocks, near the contact with Karmutsen volcanics and corresponds with a strong "Mag-High" trend identified in the 2010 aero-magnetometer survey over the Bacon Lake Property.



## 2.0 Property Geology & Mineralization

Most work done on the property to date (Dr. H.C. Gunning, 1931; Dr. J.E. Muller, 1964) indicates that the Bacon Lake Property is underlain by Mid to Upper Triassic (230 to 210 mya) Vancouver Group Karmutsen Formation basaltic volcanics throughout its western half. Historical property work also indicates that Upper Triassic Vancouver Group Quatsino Formation limestone bands trend northwesterly and northerly through the centre of the property near the contact with an Early to Middle Jurassic (200 to 170 mya) Island Intrusive Complex granodiorite which underlies much of the area east of Bacon Lake. Lower Jurassic (210 to 190 mya) Bonanza Group of calc-alkaline volcanics and associated metasedimentary rocks (limestone, argillite, siltstone etc.) underlies the northeast corner of the claim. In general, this geology has only been determined by scant regional mapping efforts and to the author's knowledge no past efforts have attempted to map the outcrops beyond known mineral occurrences.

Magnetite-pyrrhotite-pyrite-chalcopyrite skarn mineralization is generally confined to limestone and volcanic lenses (pods) adjacent to intrusive contact areas. These skarns host sporadic but significant values of iron, copper, silver, cobalt and gold as disseminations and massive lenses. Skarns (otherwise known as Tactites) are most often formed at contact areas between granitic intrusions and carbonate sedimentary rocks. The word "Skarn" is an old Swedish mining term describing a type of silicate gangue associated with iron-ore bearing sulphide deposits. In more modern usage it refers to calcium-bearing silicates. Skarns are formed by silica, iron, aluminium and magnesium-rich hot geothermal waters off the granitic magma mixing and dissolving portions of the calcium-rich carbonate rocks (limestone). The carbonate host rocks and sometimes adjacent rock types (i.e. volcanics) are converted to skarns in a process referred to as "metasomatism".

As a general rule, skarn deposits are irregular, difficult to trace and variable in mineral type and content. They often contain pockets of very high grade mineralization and occasionally have sufficient low grade surrounding mineralization for larger bulk tonnage reserves. Often contacts between limestone, intrusives and associated volcanic rocks are irregular with arms or "apophyses" of intrusives invading the surrounding rock. There are commonly abrupt boundaries between altered and unaltered rock and high grade mineralization is often noted along contacts of these alteration differences or between rock types. Typical skarn-related minerals include garnet, actinolite, epidote, magnetite, wollastonite and clinopyroxene.

Some classic skarns are associated with porphyry copper deposits (e.g. Twin Buttes, Arizona and Bingham Canyon, Utah), indicating a relatively shallow depth of emplacement (1 to 10+ km). Skarns can be associated with potentially economic accumulations of metallic ores and as they have been divided up into seven major classes (Fe, W, Au, Cu, Zn, Mo and Sn). They sometimes host rare earth minerals in significant quantities.

Fe skarn deposits are generally the largest and are typically calcic iron skarns in oceanic island arc settings, associated with Fe-rich plutons intruded into or along limestone and volcanic wall rocks. Vancouver Island skarns have been placed within this class having typical skarn mineralogy of garnet, pyroxene and epidote and ore mineralogy of dominantly magnetite ( $\pm$ chalcopyrite, pyrite, pyrrhotite, cobaltite, arsenopyrite and gold).

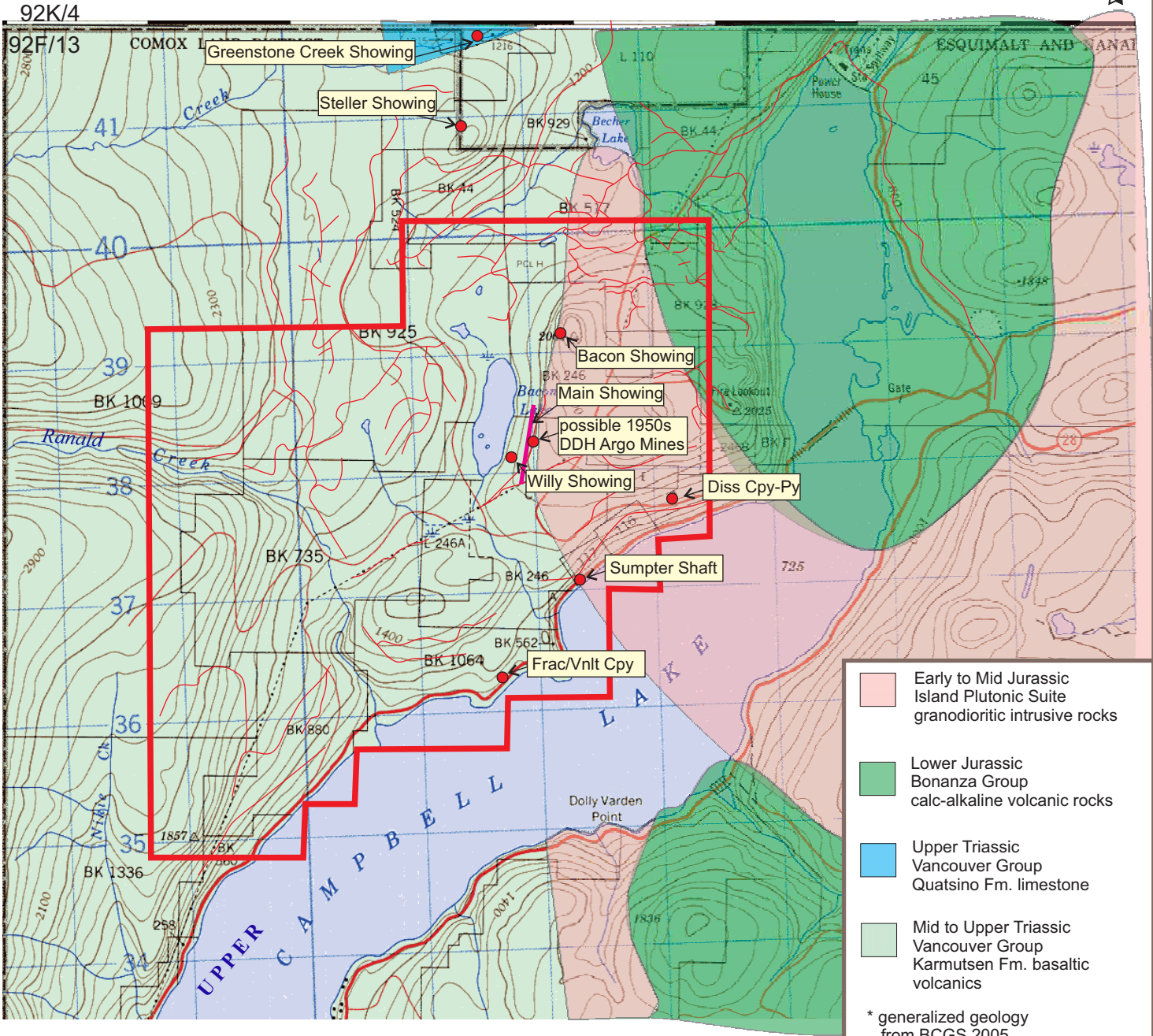
The largest single magnetite outcrop exposed to date on the property (Pod 1) has a measured mineral resource of approximately 600,000 tonnes and similar outcrops in the vicinity remain untested. This outcrop occurs on the east side of Bacon Lake and was the primary drill target of the 2012 drill program.

Much of the eastern and southern areas of the Bacon Lake Property are underlain by granodiorite intrusive rocks, part of a much larger intrusive complex. Showings of disseminated, veinlet and fracture copper mineralization occur within the intrusive rocks on the property, particularly along Elk Main paralleling the north shore of Upper Campbell Lake. Recent new logging roads southwest of Bacon Lake have exposed strong pyrite concentrations in veinlets, disseminations and masses as well as weak chalcopyrite and malachite staining on fracture surfaces within silicified granodiorite. These areas show potential for prospective Cu-porphyry style deposits and are a relatively unexplored area of the Bacon Lake Property.



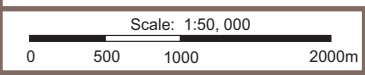
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geoscience

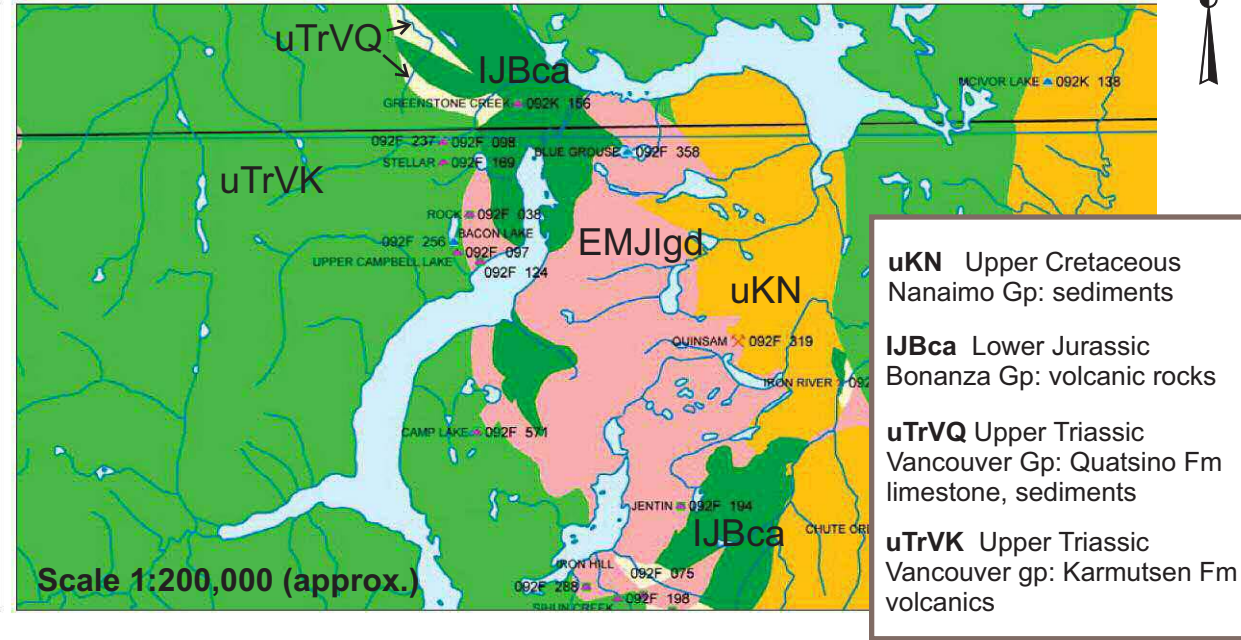
# Bacon Lake Property



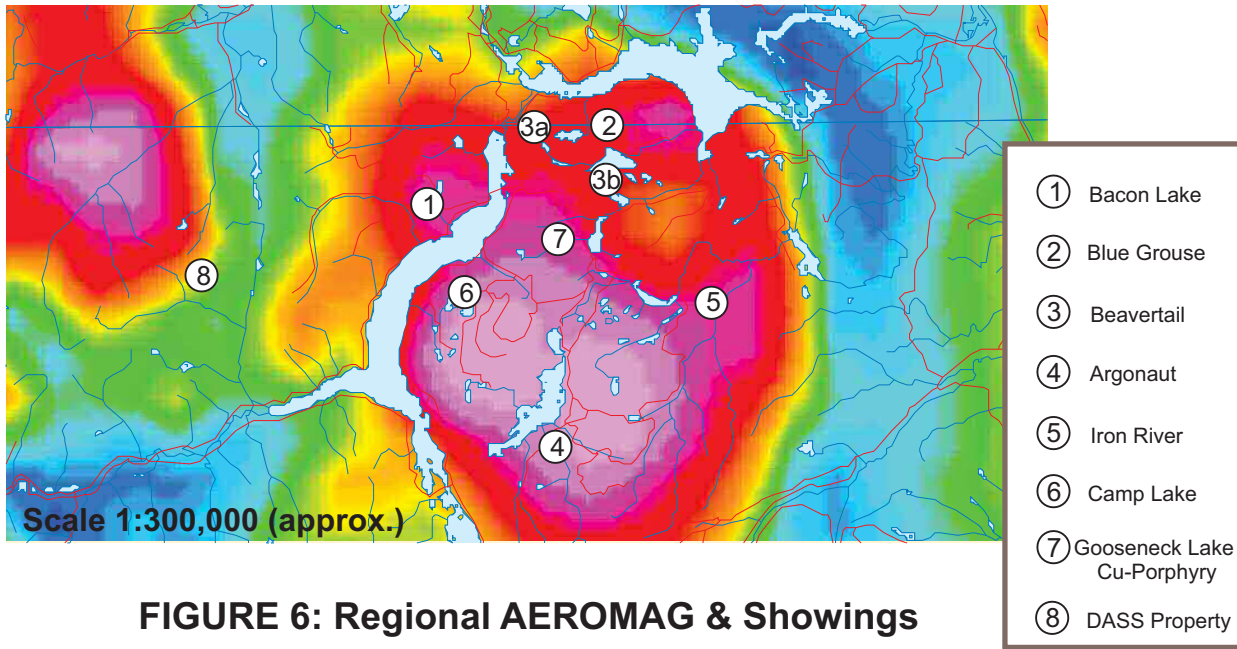
Early to Mid Jurassic Island Plutonic Suite granodioritic intrusive rocks  
 Lower Jurassic Bonanza Group calc-alkaline volcanic rocks  
 Upper Triassic Vancouver Group Quatsino Fm. limestone  
 Mid to Upper Triassic Vancouver Group Karmutsen Fm. basaltic volcanics  
 \* generalized geology from BCGS 2005  
 Showing      Roads  
 Bacon Lake Property Boundary

**FIGURE 4: Generalized Geology + Showings**





**FIGURE 5: LOCAL GEOLOGY (BCGS 2005) & MINFILE-ARIS REPORTS**



**FIGURE 6: Regional AEROMAG & Showings**

### 3.0 2012 Exploration Program

Commencing February 2012, 7 diamond drill holes were drilled to test the mineralization located within Pod 1 and Pod 2. These zones had corresponding ground and aerial magnetic, anomalies that were north trending, in conjunction with several sampled trenches and showings that had recorded magnetite mineralization. Four dill sites were established along the existing Bacon Lake East Road, thereby minimizing site disturbance. Sites were specifically chosen to be proximal to near-surface bedrock, thereby avoiding excessive overburden depths. Peak Drilling based in Courtney, BC was contracted and drilling took place from February 12 through to February 25, 2012.

Core logging and sampling of drill core took place between February 20, 2012 and April 9, 2012. The author was responsible for ensuring a QA/QC protocol from the drill site to a secure storage and handling facility located in Campbell River. Additionally, drill core geo-tech, core logging, sample determinations and shipment were performed by myself. Samples of mineralized sections of interest were shipped by Greyhound bus to Acme Analytical Labs, Vancouver for analysis.

Difficulties in securing casing were encountered in all drill holes, as the overburden at all seven set-ups was shallow, in most cases <1m. One hole was completely lost due to loss of casing in a karst sinkhole; this was BL-12-3A being drilled southeast at a -45° angle; the drill head was reset at -70° to drill BL-12-3. Casing lengths for BL-12-2, BL-12-3 and BL-12-4 were 15.2, 18.3 and 12m respectively and it is most likely that upper mineralized sections were not recovered in these holes. For the most part core recovery was close to 100% with the following exceptions:

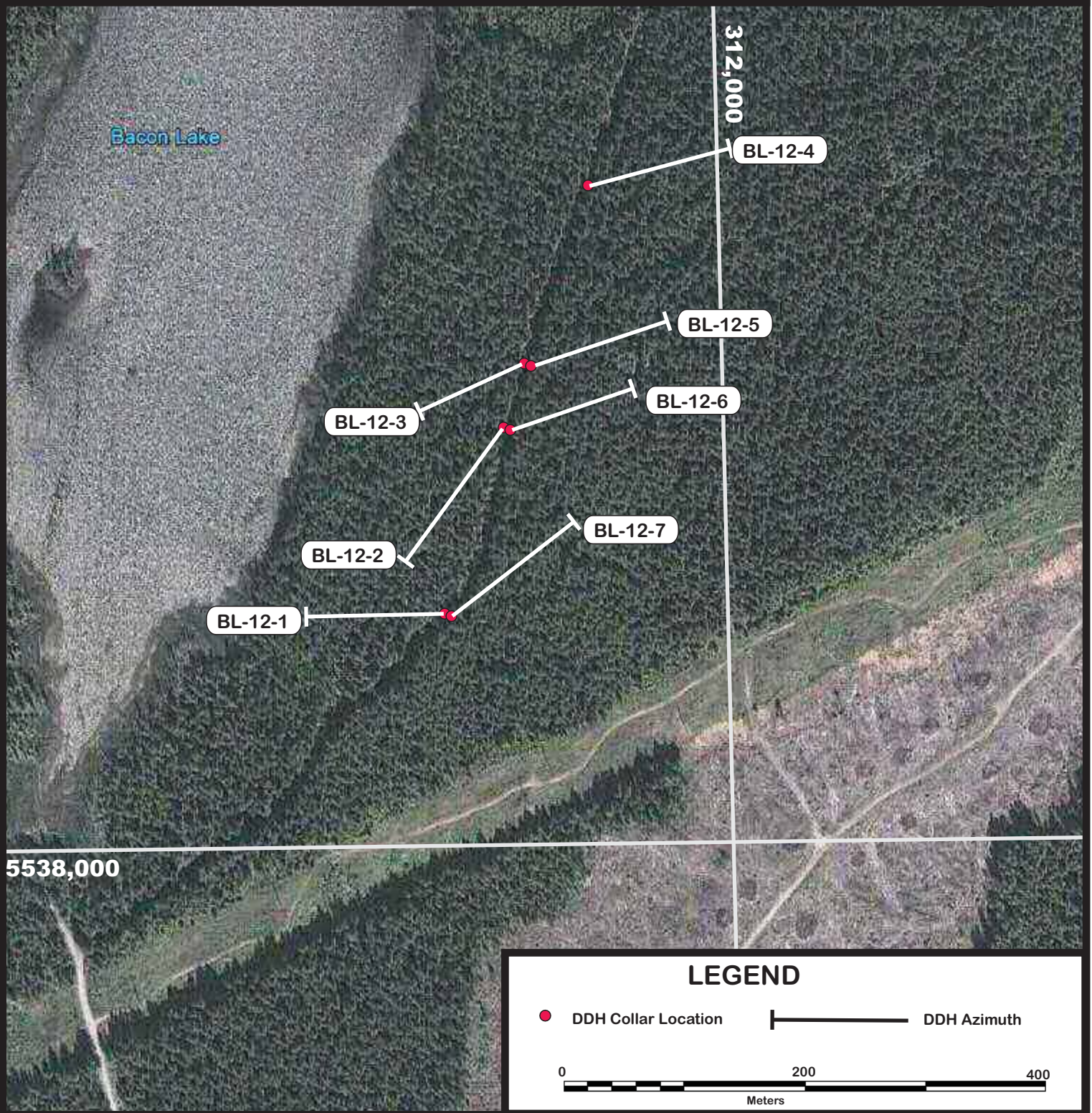
- BL-12-2: casing to 15.2m, then from 15.2 to 18.5m = 50%recovery in a magnetite skarn
- BL-12-3: from 24.5 to 27.4m = 70% recovery in magnetite skarn; below this from 27.4 to 33.5 = 50% recovery in andesite porphyry
- BL-12-5: from 32.4 to 33.5m = 50% recovery in magnetite skarn
- BL-12-6: casing to 7m, then from 7 to 11m = 50% recovery in broken andesite porphyry and intrusive

# BACON PROPERTY DDH LOCATION MAP

FIG #7



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### 3.1 Diamond Drill Hole Summaries

**Table 4: DDH-BL-12-1:** Geographic Coordinates 49° 58' 00"N, 125° 37' 52"W; Elevation 436m a.s.l.; on Mineral Tenure #511635. The hole was angled toward Bacon Lake at a 275° bearing at an angle of -45°.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>  | <b>Alteration</b>                               | <b>Mineralization</b>  |
|----------------------|-------------------------------|---|---|--|
| 0 – 1.5m             | 1.5m                          | Andesite Porphyry   |   | 0.3m overburden then broken core   |
| 1.5 – 8.5m           | 8.0m                          | Limestone   |   | 0.2m massive magnetite band at upper contact   |
| 8.5 – 16.3m          | 7.8m                          | <b>Intercalated Andesite &gt; Skarn &gt; Limestone</b>    | Magnetite–Garnet–Epidote–Chlorite               | Magnetite sections and bands; minor disseminated and stringer pyrite, pyrrhotite     |
| 16.3 – 31.3m         | 15m                           | <b>Intercalated Granodiorite &gt; Andesite &gt; Skarn</b> | Garnet–Chlorite–Epidote                         | Magnetite sections with pyrrhotite, pyrite, chalcopyrite veinlets and disseminations |
| 31.3 – 58.8m         | 27.5m                         | Andesite Porphyry   | Chlorite–Epidote Flooded Zones                  | Moderate disseminated, fracture and veinlet pyrrhotite, pyrite                       |
| 58.8 – 73.2m         | 14.2m                         | Intercalated Granodiorite > Andesite                      | Epidote–Chlorite ±Kspar Flooded Zones; Mottling | Moderate to strong disseminated, fracture and veinlet pyrite                         |
| 73.2 – 97.56         | 24.36m                        | Andesite Porphyry > Granodiorite                          | Epidote–Chlorite ±Kspar Flooded Zones; Mottling | Weak to strong disseminated, fracture and veinlet pyrite                             |

Property:  
 Bacon Lake  
 Tenure # 511635

DDHole No: BL-12-1

Bearing: 275°/-45°

Location: East Bacon Lake Road  
 Latitude: 49°58'.001 N  
 Longitude: 125°37'.518 W

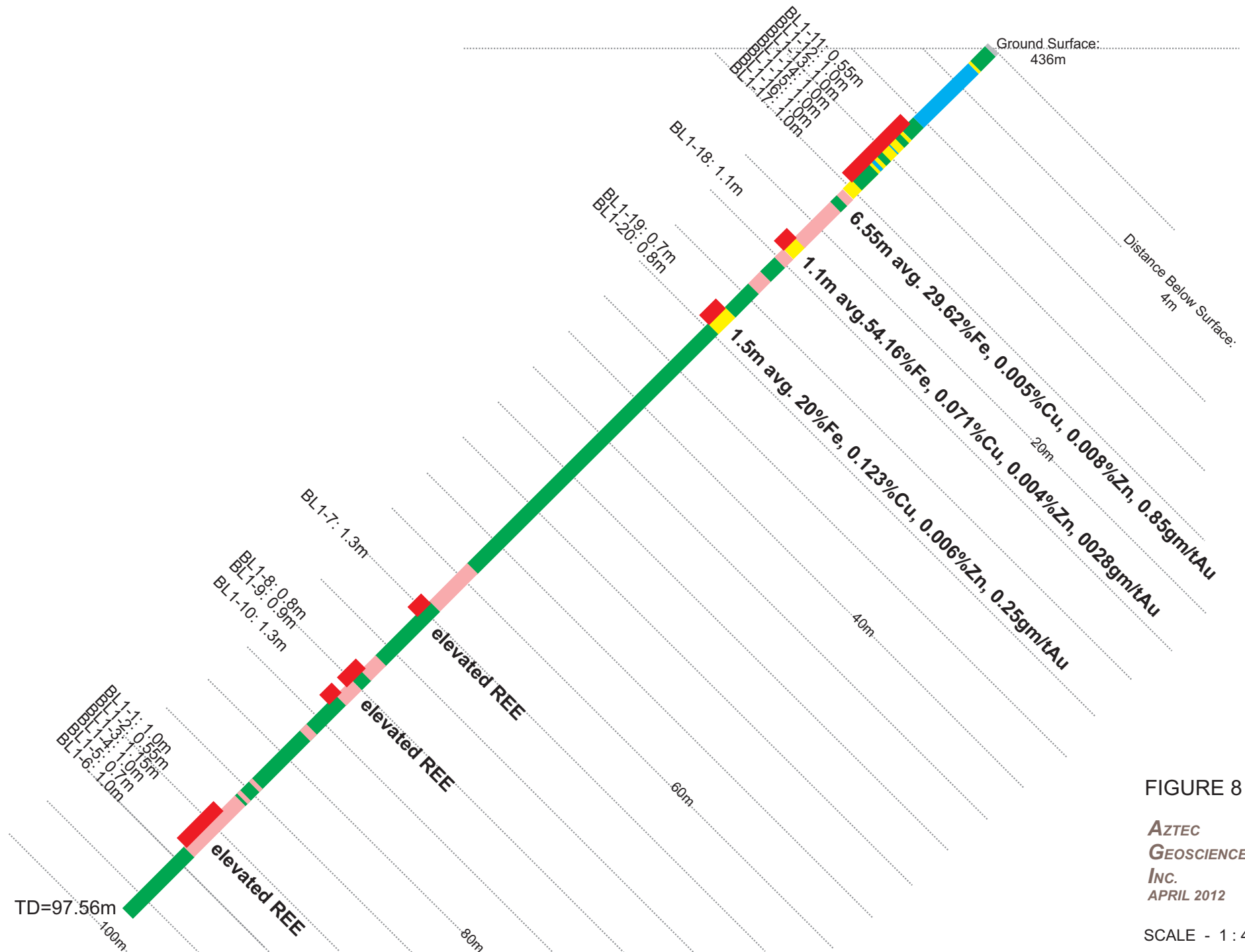
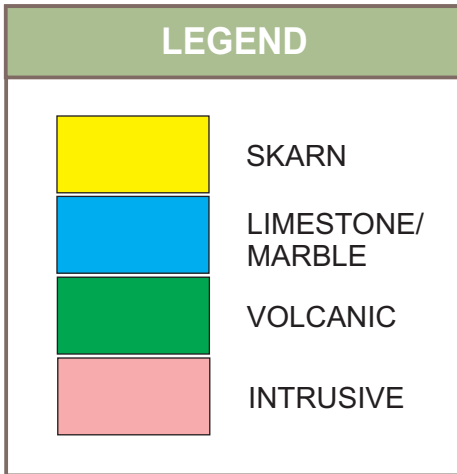


FIGURE 8

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**Table 5: DDH-BL-12-2:** Geographic Coordinates 49° 58' 05"N, 125° 37' 48"W; Elevation 442m a.s.l.; on Mineral Tenure #511635. The hole was angled toward Bacon Lake at a 245° bearing at an angle of -45°.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>  | <b>Alteration</b>  | <b>Mineralization</b>  |
|----------------------|-------------------------------|---|--|--|
| 0 – 15.2m            | 15.2m                         | Casing  |  | Overburden <1m; but karst topography resulted in loss of core  |
| 15.2 – 34.5m         | 19.3m                         | <b>Intercalated Skarn &gt; Granodiorite &gt; Andesite</b> | Chlorite-Epidote-Garnet-Silicification   | Magnetite Flooded Zones (expect some lost above 15.2m); Strong disseminated and veinlet pyrrhotite, pyrite, chalcopyrite, arsenopyrite |
| 34.5 – 52.5m         | 18.0m                         | Intercalated Granodiorite > Andesite                      | Moderate to strong Silicification (±sericite) and zones of Chlorite-Epidote (±Garnet) flooding | Weak to strong disseminated, fracture and bands of pyrrhotite, pyrite ±magnetite   |
| 52.5 – 75.6m         | 23.1m                         | Granodiorite  | Moderate to strong Silicification; local Kspar and Epidote                                     | Weak to strong disseminated and veinlet pyrite, pyrrhotite   |
| 75.6 – 85.3m         | 9.7m                          | Andesite Porphyry   | Chlorite-Epidote flooded zones   | Weak to strong disseminated and veinlet pyrite   |
| 85.3 – 100.6m        | 15.3m                         | Intercalated Intrusive > Andesite                         | Sericite-Chlorite; local Garnet flooding   | Weak to Strong disseminated and veinlet pyrite, pyrrhotite   |

Property:  
 Bacon Lake  
 Tenure # 511635

DDHole No: BL-12-2

Bearing: 245°/-45°

Location: East Bacon Lake Road  
 Latitude: 49°58'.046 N  
 Longitude: 125°37'.481 W

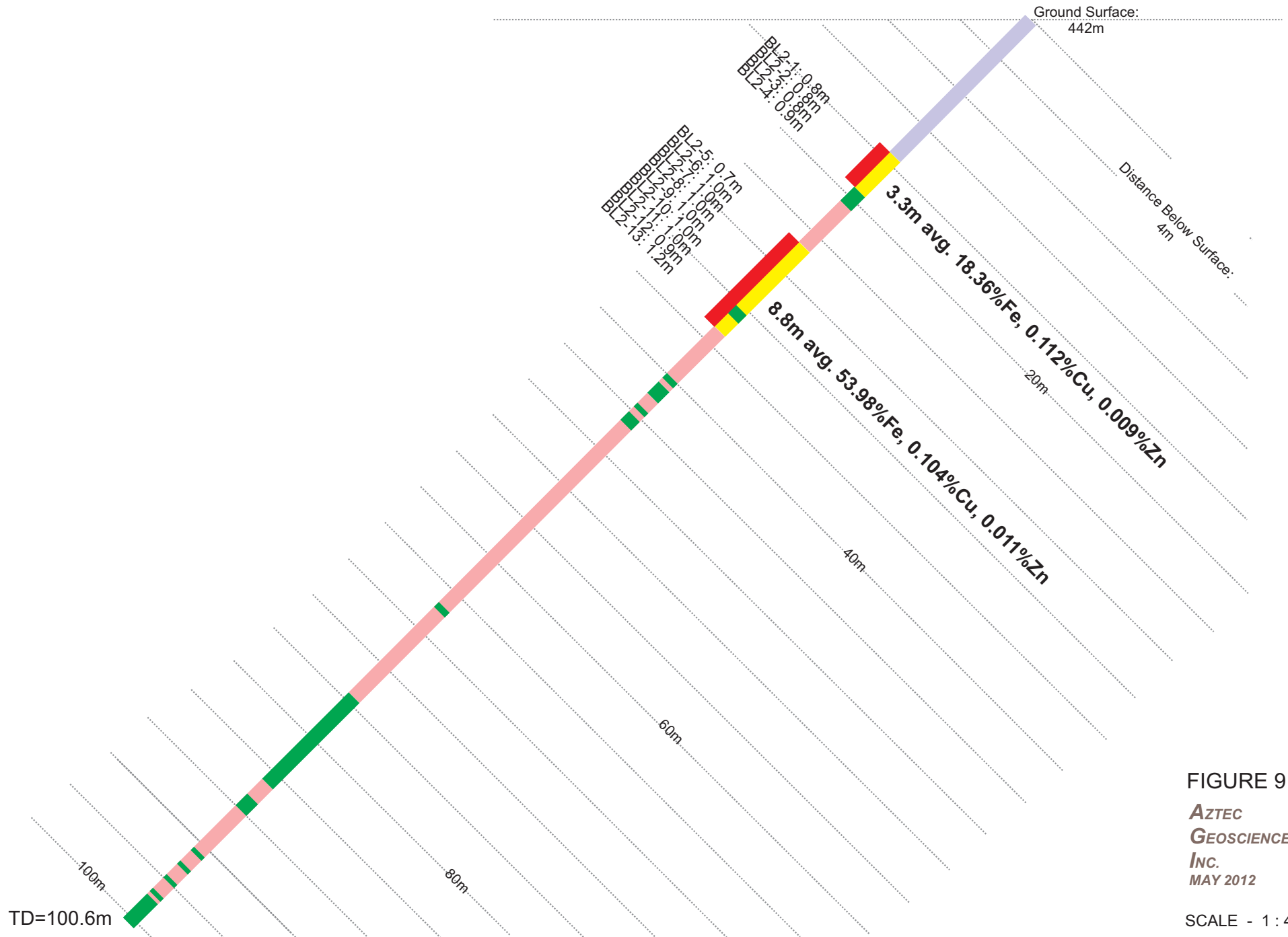
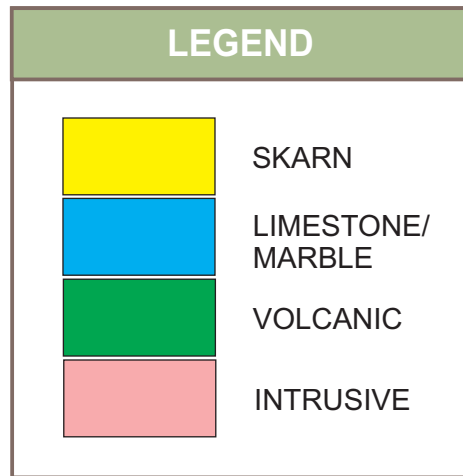


FIGURE 9  
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**Table 6: DDH-BL-12-3:** Geographic Coordinates 49° 58' 09"N, 125° 37' 46"W; Elevation 440m a.s.l.; on Mineral Tenure #511635. The hole was angled toward Bacon Lake at a 255° bearing at an angle of -70°. It should be mentioned that a shallower-angled hole (-45°) was initially drilled off this set-up, but the hole was shut down at 105 feet (casing) due to problems encountered with karst-sinkhole interception.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>                        | <b>Alteration</b>                                 | <b>Mineralization</b>   |
|----------------------|-------------------------------|---|---|---|
| 0 – 18.3m            | 18.3m                         | Casing                                  |   | Overburden <1m; but karst topography resulted in loss of core             |
| 18.3 – 27.4m         | 9.1m                          | <b>Intercalated Skarn &gt; Andesite</b> | Garnet-Epidote                                    | Magnetite-garnet flooding; minor pyrite>chalcopyrite                      |
| 27.4 – 38.0m         | 10.6m                         | Andesite Porphyry                       | Epidote-Garnet flooded zones; one silicified zone | Weak to strong disseminated and veinlet pyrrhotite, pyrite; 2cm magnetite |
| 38.0 – 64.0m         | 26.0m                         | Intercalated Granodiorite > Andesite    | Epidote-Chlorite-Silica flooded zones; Mottling   | Weak to strong disseminated, veinlet and fracture pyrite                  |

Property:  
Bacon Lake  
Tenure # 511635

DDHole No: BL-12-3

Bearing: 255°/-70°

Location: East Bacon Lake Road  
Latitude: 49°58'.090 N  
Longitude: 125°37'.463 W

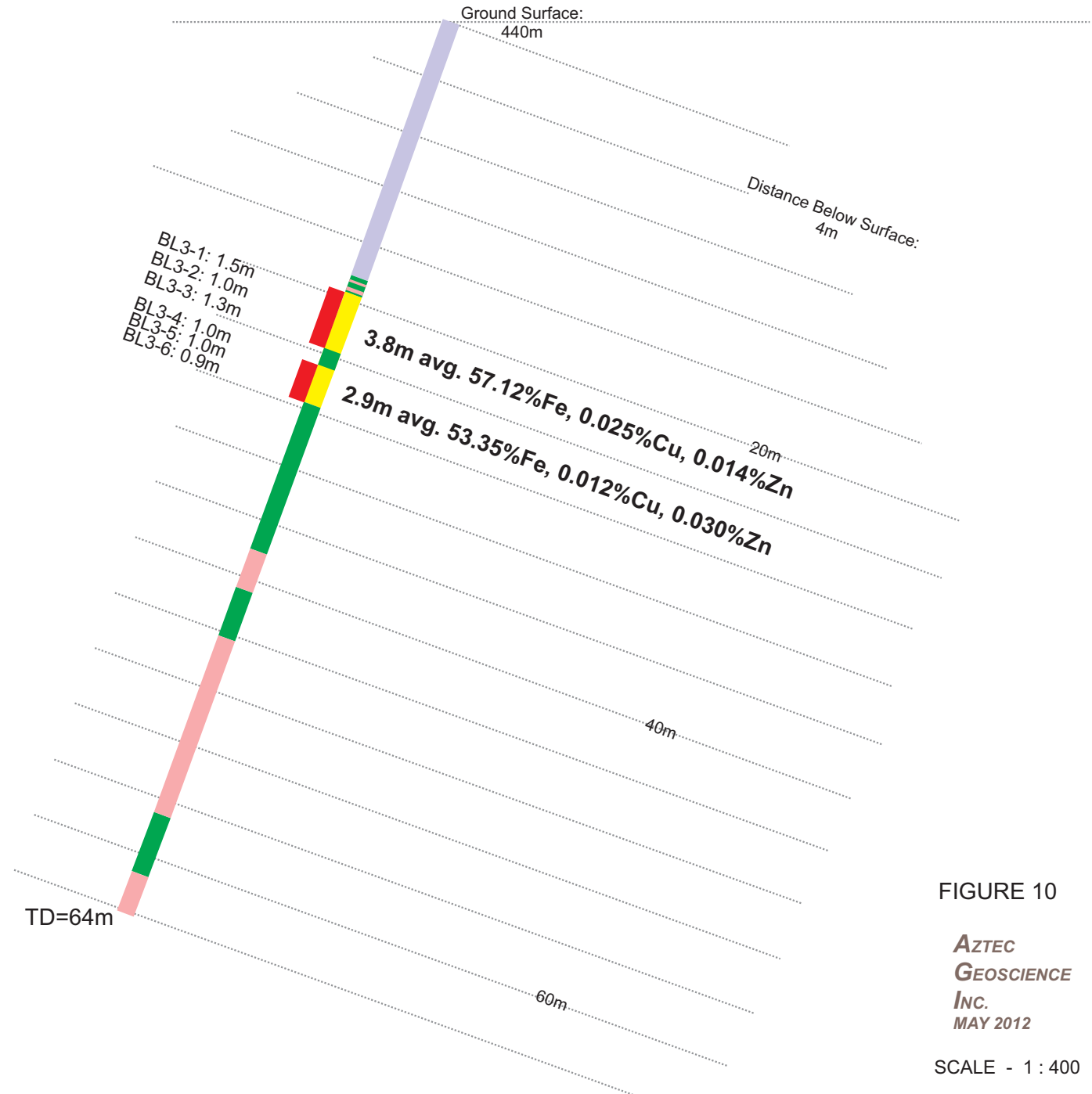
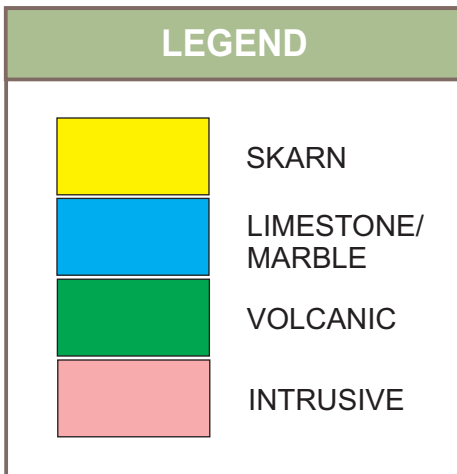


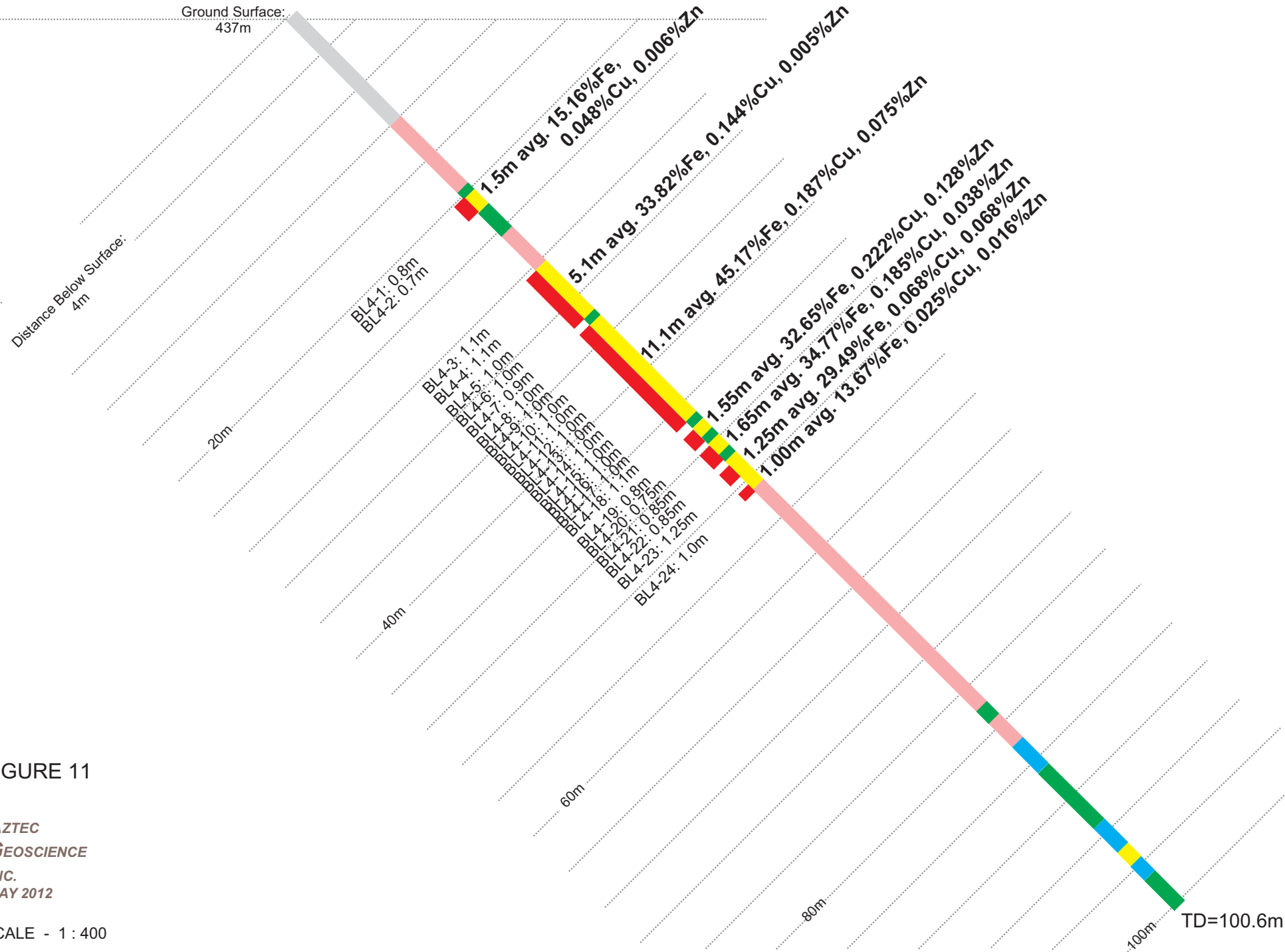
FIGURE 10

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MAY 2012

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**Table 7: DDH-BL-12-4:** Geographic Coordinates 49° 58' 20"N, 125° 37' 40"W; Elevation 437m a.s.l.; on Mineral Tenure #511635. The hole was angled away from Bacon Lake at a 070° bearing at an angle of -45°.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>  | <b>Alteration</b>                                    | <b>Mineralization</b>   |
|----------------------|-------------------------------|---|--|---|
| 0-12m                | 12m                           | casing  |  | Overburden was <1m  |
| 12 – 19.3m           | 7.3m                          | Granodiorite  | Sericite-silica; local epidote                       | Weak to moderate disseminated, veinlet and fracture pyrite  |
| 19.3 – 53.4m         | 34.1m                         | <b>Intercalated Skarn &gt; Andesite &gt; Granodiorite</b> | Epidote-Chlorite-Garnet; local silica flooding       | Zones of massive magnetite-garnet with pyrrhotite, pyrite, chalcopyrite stringers; pyrite, arsenopyrite in 3.9m intrusive section |
| 53.4 – 77.2m         | 23.8m                         | Granodiorite  | Kspar-Sericite-Epidote flooded zones                 | Weak to moderate disseminated, veinlet and fracture pyrite-pyrrhotite   |
| 77.2 – 100.6m        | 23.4m                         | Intercalated Andesite > Limestone > Granodiorite > Skarn  | Zonal Garnet-Epidote-Chlorite-Sericite; Quartz-Kspar | Few magnetite-pyrite-pyrrhotite veins + weakly disseminated and fracture pyrite   |



Property:  
Bacon Lake  
Tenure # 511635

DDHole No: BL-12-4

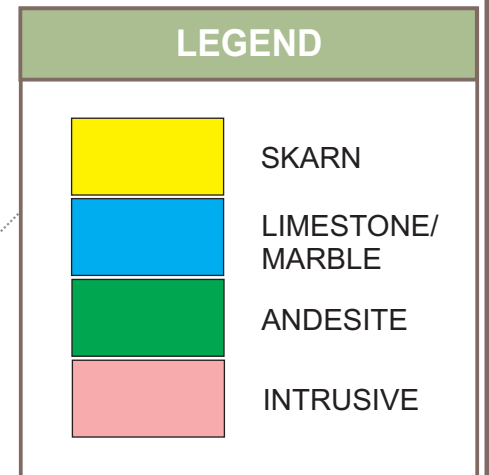
Bearing: 070°/-45°

Location: East Bacon Lake Road  
Latitude: 49°58'.405 N  
Longitude: 125°37'.405 W

FIGURE 11

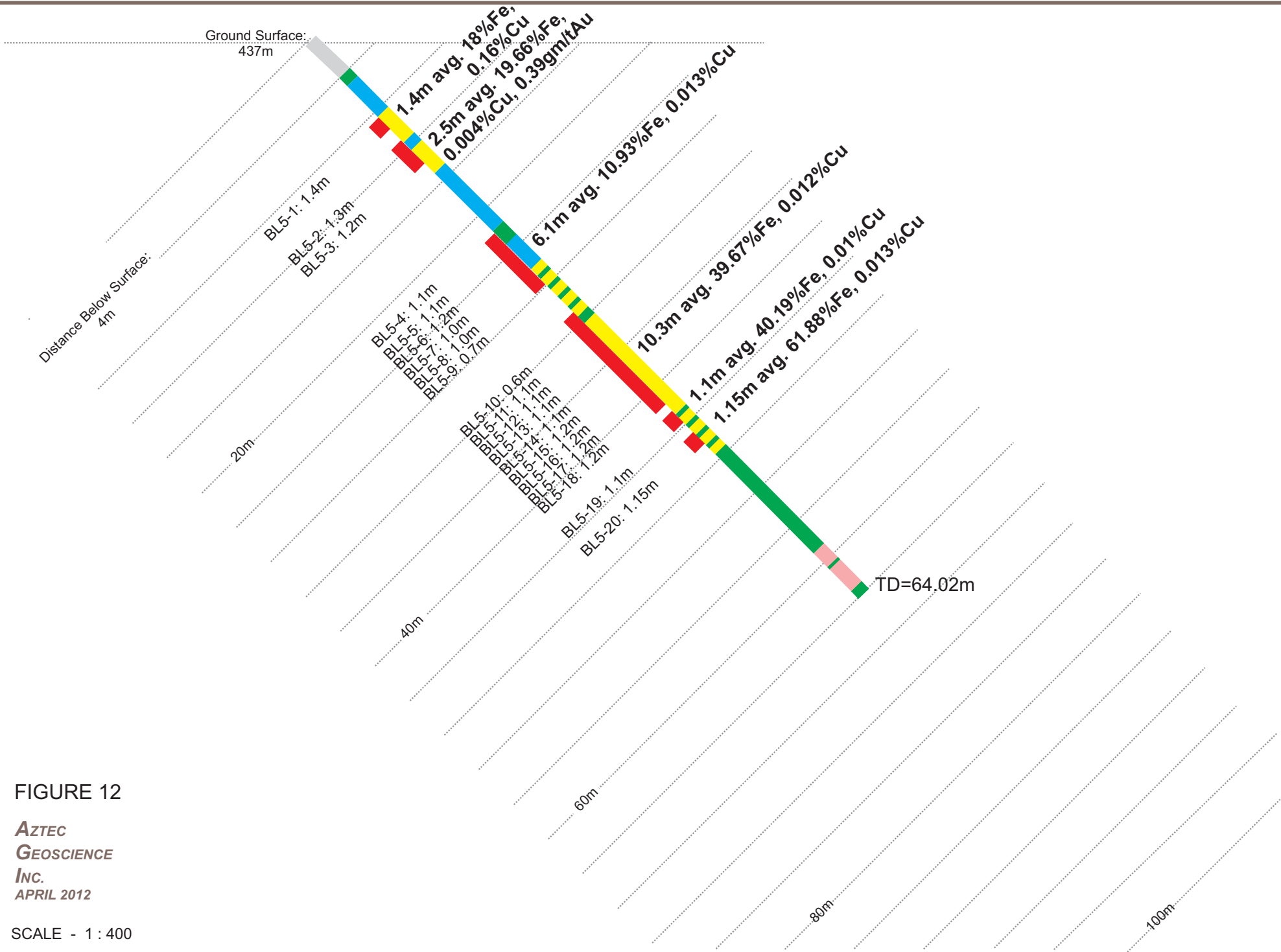
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**INC.**  
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**Table 8: DDH-BL-12-5:** Geographic Coordinates 49° 58' 11"N, 125° 37' 45"W; Elevation 437m a.s.l.; on Mineral Tenure #511635. The hole was angled away from Bacon Lake at a 070° bearing at an angle of -45°.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>  | <b>Alteration</b>                      | <b>Mineralization</b>  |
|----------------------|-------------------------------|---|--|--|
| 0 – 4m               | 4m                            | casing  |  | <1m overburden   |
| 4 – 47.4m            | 43.4m                         | <b>Intercalated Skarn &gt; Limestone/Marble &gt; Andesite</b> | Garnet–Epidote–Chlorite                | Zones of massive magnetite; local pyrite, pyrrhotite, chalcopyrite |
| 47.4 – 58.8m         | 11.4m                         | Andesite Porphyry   | Zones of bleaching and K-spar flooding |  |
| 58.8 – 64.0          | 5.2m                          | Intercalated Granodiorite > Andesite                          | Chlorite–Sericitic–Quartz              | Weak disseminated and fracture pyrite                              |



Property:  
 Bacon Lake  
 Tenure # 511635

DDHole No: BL-12-5

Bearing: 070°/-45°

Location: East Bacon Lake Road  
 Latitude: 49°58'.114 N  
 Longitude: 125°37'.451 W

**LEGEND**

|  |                      |
|--|----------------------|
|  | SKARN                |
|  | LIMESTONE/<br>MARBLE |
|  | VOLCANIC             |
|  | INTRUSIVE            |

**FIGURE 12**

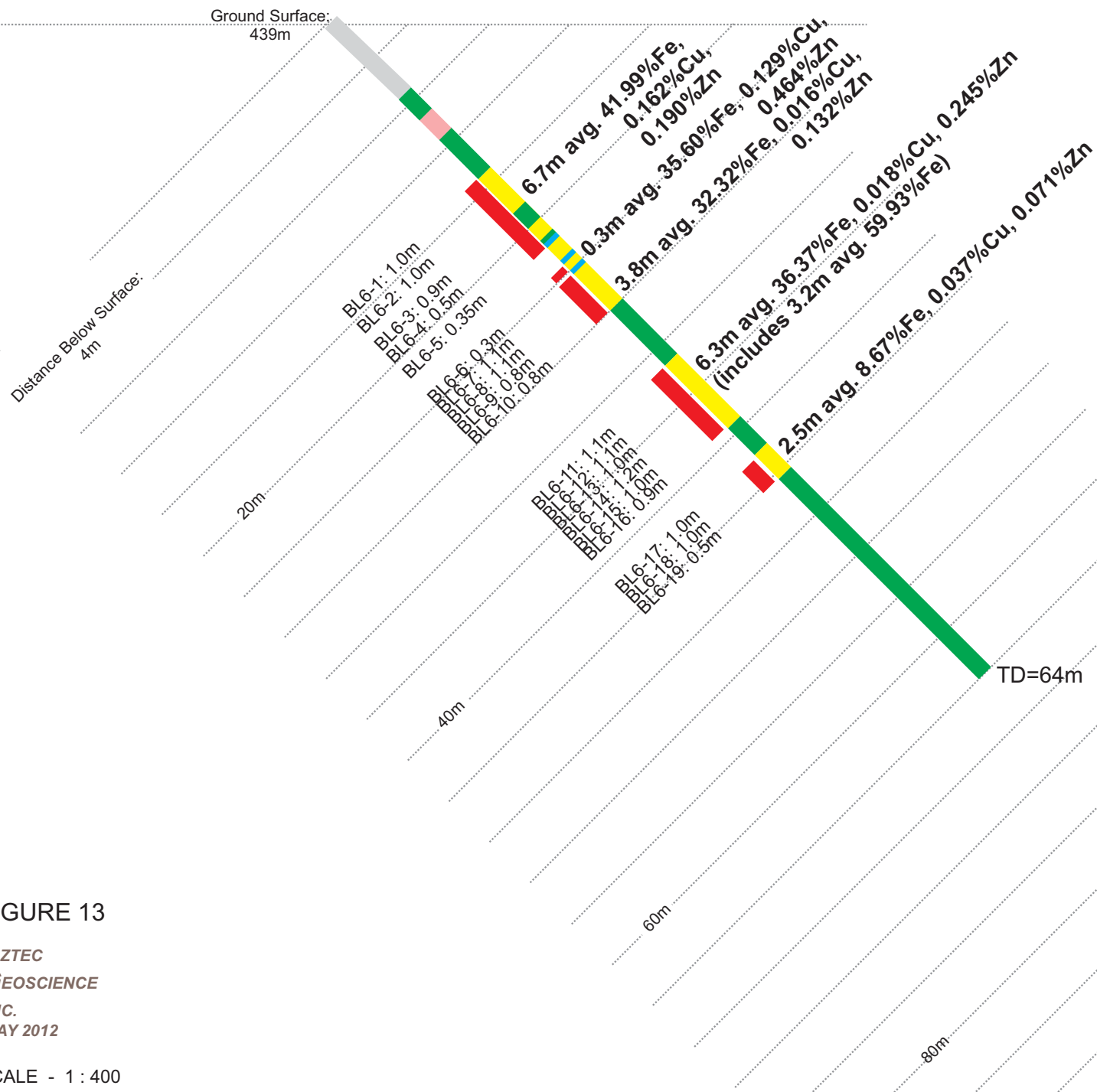
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 INC.  
 APRIL 2012**

SCALE - 1 : 400



**Table 9: DDH-BL-12-6:** Geographic Coordinates 49° 58' 09"N, 125° 37' 46"W; Elevation 439m a.s.l.; on Mineral Tenure #511635 (same site as BL-12-3). The hole was angled away from Bacon Lake at a 070° bearing at an angle of -45°.

| <i>Approx. Depth</i> | <i>Approx. Section Length</i> | <i>Lithology</i>                                   | <i>Alteration</i>  | <i>Mineralization</i>   |
|----------------------|-------------------------------|--|--|---|
| 0 – 7m               | 7m                            | casing   |  | <2m overburden  |
| 7 – 15.2m            | 8.2m                          | Intercalated Andesite > Granodiorite               | Chlorite-Epidote flooded zones                                   | Weak disseminated and fracture pyrite                                       |
| 15.2 – 44.5m         | 29.3m                         | <b>Skarn/Limestone Zones separated by Andesite</b> | Chlorite-Epidote-Garnet  | Massive magnetite sections ±pyrite, pyrrhotite, chalcopyrite, arsenopyrite  |
| 44.5 – 64.0m         | 19.5m                         | Andesite Porphyry                                  | Epidote-Chlorite; few silicified zones and quartz-Kspar flooding | Weak disseminated and veinlet pyrite; one 0.7m zone with magnetite veinlets |



Property:  
 Bacon Lake  
 Tenure # 511635

DDHole No: BL-12-6

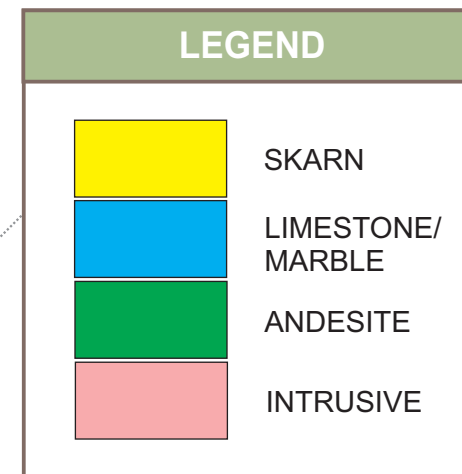
Bearing: 070°/-45°

Location: East Bacon Lake Road  
 Latitude: 49°58'.090 N  
 Longitude: 125°37'.458 W

FIGURE 13

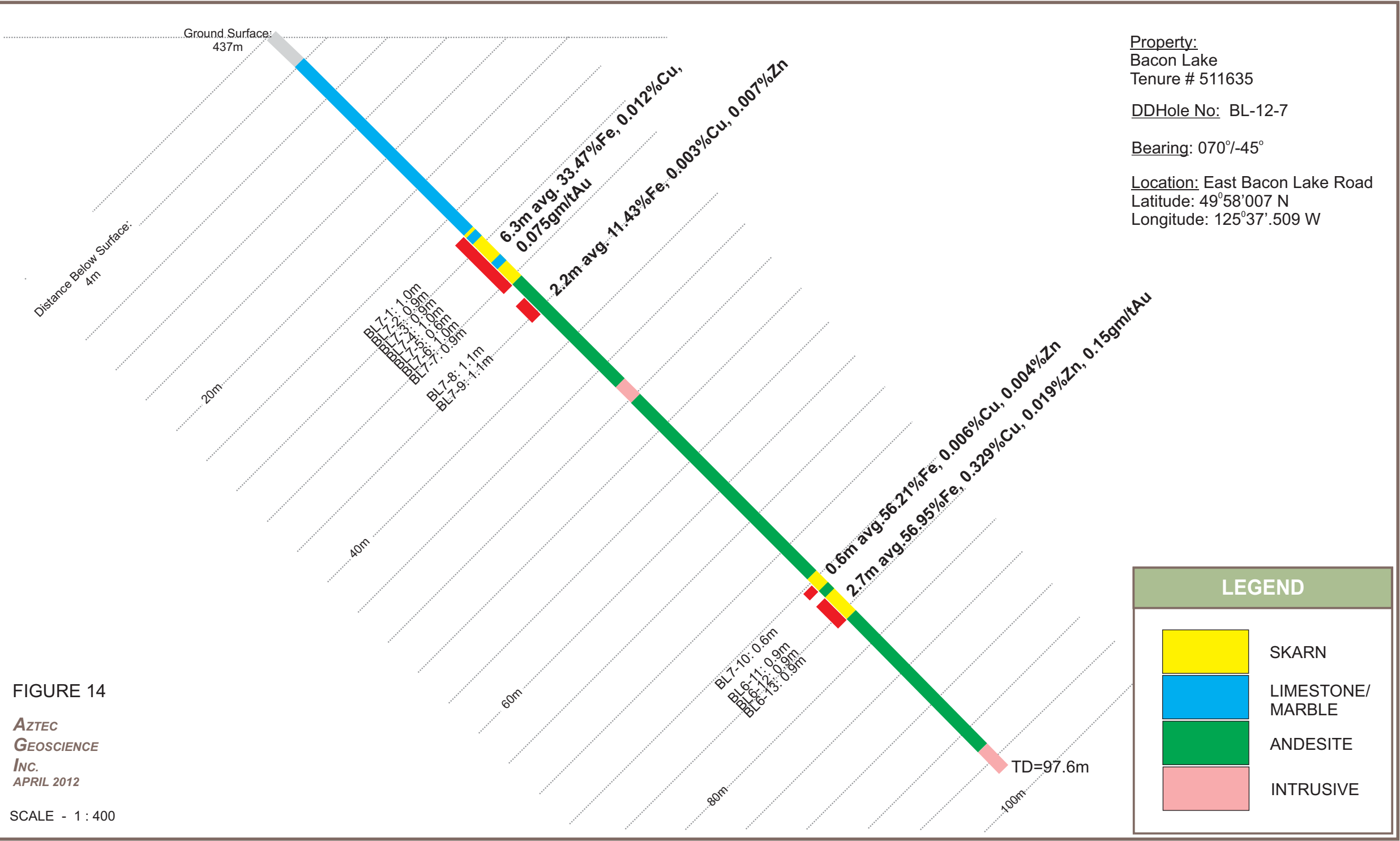
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 INC.  
 MAY 2012

SCALE - 1 : 400



**Table 10: DDH-BL-12-7:** Geographic Coordinates 49° 58' 01"N, 125° 37' 51"W; Elevation 437m a.s.l.; on Mineral Tenure #511635 (same site as BL-12-1). The hole was angled away from Bacon Lake at a 070° bearing at an angle of -45°.

| <b>Approx. Depth</b> | <b>Approx. Section Length</b> | <b>Lithology</b>                               | <b>Alteration</b>                       | <b>Mineralization</b>  |
|----------------------|-------------------------------|--|---|--|
| 0 – 3.7m             | 3.7m                          | casing   |   | <2m overburden   |
| 3.7 – 26.5m          | 22.8                          | <b>Skarn and Intercalated Limestone-Marble</b> | Epidote-Garnet                          | Massive magnetite zones and blebs; stringer pyrite, pyrrhotite   |
| 26.5 – 71.7m         | 45.2m                         | Andesite >> Granodiorite                       | Chlorite-Epidote ± silica flooded zones | Weak to moderate disseminated, fracture and veinlet pyrite; magnetite blebs near top                   |
| 71.7 – 76.8m         | 5.1m                          | <b>Intercalated Andesite and Skarn</b>         | Epidote-Chlorite                        | Zones of massive magnetite; moderate to strong disseminated, fracture and veinlet pyrite, chalcopyrite |
| 76.8 – 94.8m         | 18.0m                         | Andesite Porphyry                              | Epidote-Chlorite ± Garnet flooded zones | Moderate disseminated, bleb and stringer pyrite-magnetite  |
| 94.8 – 97.5m         | 2.7m                          | Granodiorite                                   |   | Weak disseminated epidote and epidote-kspar-calcite veinlets   |



**Property:**  
 Bacon Lake  
 Tenure # 511635

**DDHole No:** BL-12-7

**Bearing:** 070°/-45°

**Location:** East Bacon Lake Road  
 Latitude: 49°58'007 N  
 Longitude: 125°37'.509 W

**LEGEND**

|  |                      |
|--|----------------------|
|  | SKARN                |
|  | LIMESTONE/<br>MARBLE |
|  | ANDESITE             |
|  | INTRUSIVE            |

**FIGURE 14**  
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 SCALE - 1 : 400

### 3.2 Sample Selection, Preparation and Analyses

All drill hole cores were delivered to a storage in Campbell River and subsequently logged by the author of this report. These logs are reported in Appendix I. Sample intervals were determined as part of the core logging procedure. Sample distribution ranged in length from >0.50m to not greater than 1.5m, with the majority representing a 1.0m length. The selected core intervals were based on the visible mineralized zones and core sections that were considered to have representative mineralization. The chosen sample intervals were marked on core and tagged with an identifying sample tag number that was placed in the core box and one in the corresponding sample bag. Sample numbers and the footage interval they represented were recorded in the drill log file.

All samples were uniformly cut in half using a diamond saw with each sample interval bagged from the beginning to the end. As a precaution plastic sample bags were numbered with the corresponding sample ID tag number using a felt-tipped marker. Once complete the sample bag was tied off and readied for shipment. The halved core was placed back in the core box, which are currently stored in a secured compound that is located in Campbell River, BC.

A total of 115 samples were selected for analyses: 20 from DDH-BL-12-1, 13 from DDH-BL-12-2, 6 from DDH-BL-12-3, 24 from DDH-BL-12-4, 20 from DDH-BL-12-5, 19 from DDH-BL-12-6 and 13 from DDH-BL-12-7.

A QA/QC protocol was maintained throughout the core handling process. When received from the drill the core and subsequent samples were stored in a secure building, within a fenced compound. Samples were bagged and shipped by Greyhound to Acme Analytical Laboratories Ltd., Vancouver, B.C. Acme Vancouver has a current ISO 9001:2008 accreditation for quality management provision assay and geochemical analyses and ISO/IEC 17025:2005 Accreditation for laboratory testing from the Standards Council of Canada.

All samples were prepared by crushing 1kg to 80% passing 10 mesh, split 250grams and pulverized to 85% passing 200 mesh (Lab Code R200-250). Most samples (105) were then subjected to analysis by Acme's Iron Ore Package (Group 4X30). Following the ISO-9516 guideline, lithium tetraborate, lithium metaborate and sodium nitrate were used to fuse iron ore samples, with moisture and LOI done separately at 105°C and 1000°C. Fused samples are cast into a disc and analysed by XRF (PANanalytical Axios). In addition, these 115 samples were subjected to Group 4B02 analysis for a full 45 element suite.

#### Duplicate Analysis (Davis Tube Procedure)

One sample of massive magnetite from each drill hole was analysed using the Davis Tube procedure. This method separates magnetite by running the sample through a constant voltage to produce a magnetite (concentrate) portion ( $\text{Fe}_3\text{O}_4$ ) and a non-magnetite portion (wustite -  $\text{FeO}$  and hematite -  $\text{Fe}_2\text{O}_3$ ). Results of this analysis show the following:

**Table 11:** Magnetite as a percentage of Total Fe

| DDH #   | Sample # | Fe %  | Magnetite % |
|---------|----------|-------|-------------|
| BL-12-1 | BL1-18   | 54.16 | 72.8        |
| BL-12-2 | BL2-9    | 65.06 | 90.9        |
| BL-12-3 | BL3-5    | 53.18 | 65.3        |
| BL-12-4 | BL4-11   | 40.03 | 54.3        |
| BL-12-5 | BL5-17   | 51.79 | 66.7        |
| BL-12-6 | BL6-12   | 64.80 | 92.4        |
| BL-12-7 | BL7-3    | 55.39 | 68.6        |

From Table 11 it is apparent that magnetite content is between 54 and 93% of the total Fe in the samples selected for Davis Tube analysis (average of 73%).

Ten (10) samples from Drill Hole BL-12-10 were subjected to Group 4B02 analysis only, due to the lack of magnetite in these samples. This 45 element analytical package comprises two separate analyses. Rare earth and refractory elements are determined by ICP mass spectrometry, following a Lithium metaborate/tetraborate fusion and nitric acid digestion of a 0.2g sample. In addition a separate 0.5g split is digested in Aqua regia and analysed by ICP Mass Spectrometry to report the precious and base metals.

Although elevated values were obtained for several elements, including Rare Earth Elements (REE) a cursory view of the most anomalous results can best be summed up in the following table. Actual values can be viewed in Appendix II. Most of these values are spotty throughout the drill hole.

**Table 12:** Anomalous Elements in 2012 Drill Hole Sampling Survey

| Drill Hole # | Anomalous Element          |
|--------------|----------------------------|
| BL-12-1      | Cu, Au, Co, Sr, Zr, La, Ce |
| BL-12-2      | Cu, Sr                     |
| BL-12-3      | Sr                         |
| BL-12-4      | Cu, Au, Zn, Sr             |
| BL-12-5      | Au, Zn, Sr                 |
| BL-12-6      | Cu, Zn, Co, Sr             |
| BL-12-7      | Cu, Co, Sr, Zr             |

### Assay Verification

All samples were shipped to and received at Acme Analytical Laboratories Vancouver Ltd., a fully certified independent laboratory. For drill core samples the sample testing was verified through Acme's Quality Control methodology. For standardization and comparison testing of analytical methods, a sampling of pulp duplicates was replicated, a sampling of core rejects was duplicated and standards referencing was applied. A full set of original laboratory Certificates of Analysis is maintained at LRC's Vancouver office. Digital versions have been reviewed by the author for all analysis received up to May 16, 2012. For internal data verification the author systematically entered data analysis spreadsheets into reporting format. Drill hole location, drill core sampling and logging was conducted by the author, thus providing effective data verification.

#### 4.0 Interpretation and Conclusions

Three of the eleven magnetic anomalies are related to magnetite skarns as determined from current drilling and historic channel sampling, trenching and drilling efforts. As the geometries of the other eight anomalies are similar and they occur along the same NE trend, it is reasonable to suggest they are also related to magnetite mineralization. The apparent northerly strike of the pods conforms to the strike of the regional geology and suggests preferential replacement of certain units. It is likely that these units are carbonate-rich sediments known to be exposed in the area and they are the potential host-rock of magnetite skarn deposits. The shape of the anomalies suggest the skarns are podiform but continuous over several hundreds of metres along strike. To date it appears that magnetite-rich skarn lenses within these pods are continuous along strike for the full length of the pod (Figure 27).

**Table 13:** Pod 1 2012 Diamond Drill Results Summary

| Drill Hole No. | Magnetite Lense Depth | Intersection | Grade   | Accessories |
|----------------|-----------------------|--------------|---------|-------------|
| DDH 12-1       | 10-32m                | 6.55         | ±29%    | Cu, Au      |
| DDH 12-2       | 15-35m                | 12m          | ±30% Fe | Cu          |
| DDH 12-3       | 20-28m                | 7m           | ±50% Fe |             |
| DDH 12-7       | 26-36m                | 6.3m         | ±33% Fe | Cu          |
|                |                       |              |         |             |
| Average        |                       | 8m           | 35% Fe  | Cu          |

If we assume that the magnetite lense of Pod 1 runs 200m long and 100m wide (as defined by the anomaly) x an average thickness of 8m, this equates to  $160,000\text{m}^3 \times 4.7^* = 0.75 \text{ M tonnes}$  averaging 35% Fe. Assuming an average 73% of the Fe is magnetite then this would equate to 25% Magnetite. Much of this Pod has been drill-tested, trenched and channel sampled over the years, but the author is assured only of the current exploration data results and therefore this is classified as an "Inferred Mineral Resource" for the Bacon Lake Property.

\*Note: 4.7 is the specific gravity chosen for calculations. The specific gravity of magnetite is 5.1, but research suggests that most mining operations reduce this value, partially due to the broken nature of the mineralization.

**Table 14:** Pod 2 2012 Diamond Drill Results Summary:

| Drill Hole No. | Magnetite Lense Depth | Intersection  | Grade   | Accessories |
|----------------|-----------------------|---------------|---------|-------------|
| DDH 12-4       | 20-52m                | 22m           | ±30% Fe | Cu, Zn, Au  |
| DDH 12-5       | 8-48m                 | 23m           | ±30% Fe | Au, Zn      |
| DDH 12-6       | 15-44m                | 20m           | ±30% Fe | Cu, Zn      |
|                |                       |               |         |             |
| Average        |                       | 21m<br>(10m)* | 30% Fe  | Cu, Zn      |

If we assume that the magnetite lense of Pod 2 runs 500m long and 100m wide (as defined by the anomaly) x an average thickness of 21m (10m)\*, this equates to  $500,000\text{m}^3 \times 4.7 = 2.35 \text{ M tonnes}$  averaging 30% Fe. Assuming an average 73% of the Fe is magnetite then this would equate to 22% Magnetite. The continuity of this target remains to be defined along strike length and as such this is classified as an "Inferred Mineral Resource" for the Bacon Lake Property.

\*Note: Conservatively 10m is used here as a truer thickness than the drill-indicated 21m, because it is likely that this pod is dipping towards the east.

Indications from previous drilling of Pod 4 are in order of 6.5m grading average values of 30% Fe. Assuming that the magnetite lense runs 500m long and 100m wide (as defined by the anomaly), this equates to  $325,000\text{m}^3 \times 4.7 = 1.53 \text{ M tonnes}$  averaging 30% Fe. This target remains undefined along strike length and is currently classified as part of an "Inferred Mineral Resource" for the Bacon Lake Property.

**Table 15:** Inferred Mineral Resource Calculations

| Pod #        | Pod Length | Pod Width | Assumed Magnetite Lense Thickness | Volume M <sup>3</sup> | Conversion Factor (broken specific gravity) | Tonnes x 10 <sup>6</sup> |
|--------------|------------|-----------|-----------------------------------|-----------------------|---|--------------------------|
| 1            | 200m       | 100m      | 8m                                | 160,000               | 4.7   | 0.75                     |
| 2            | 500m       | 100m      | 10m                               | 500,000               | 4.7   | 2.35                     |
| 4            | 500m       | 100m      | 6.5m                              | 325,000               | 4.7   | 1.53                     |
| <b>Total</b> |            |           |                                   |                       |   | <b>4.63</b>              |

Total Inferred Mineral Resources for the East Bacon Lake Area equate to 4.63 M tonnes of ±30% Fe (22% Magnetite).

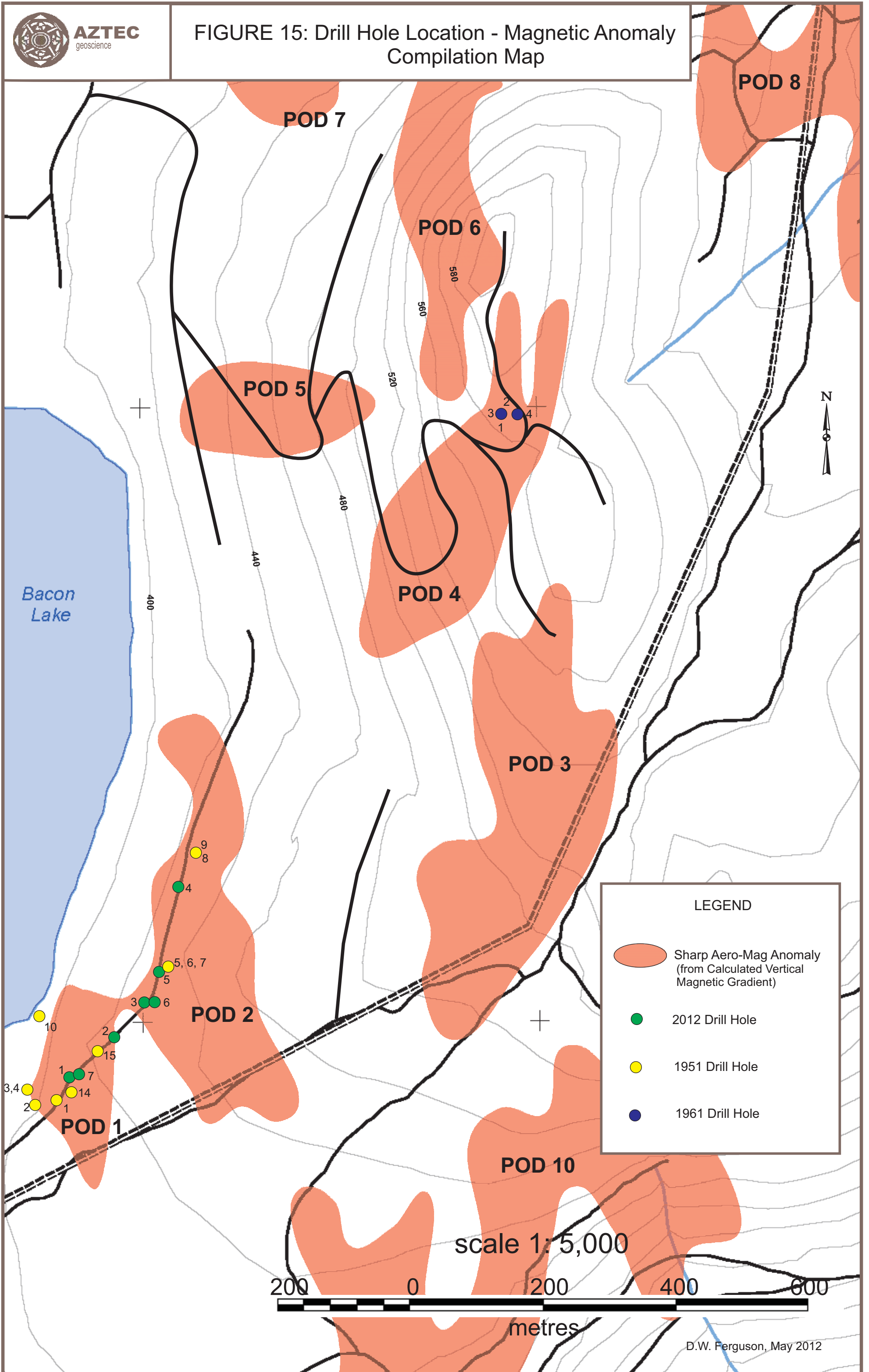
**Table 16:** Exploration Target Potential Calculations

| Pod #        | Pod Length | Pod Width | Assumed Magnetite Lense Thickness | Volume M <sup>3</sup> | Conversion Factor | Tonnes x 10 <sup>6</sup> |
|--------------|------------|-----------|-----------------------------------|-----------------------|-------------------|--------------------------|
| 3            | 500m       | 150m      | 5m                                | 375,000               | 4.7               | 1.76                     |
| 5            | 250m       | 100m      | 5m                                | 125,000               | 4.7               | 0.59                     |
| 6            | 400m       | 100m      | 5m                                | 200,000               | 4.7               | 0.94                     |
| 7            | 600m       | 100m      | 5m                                | 300,000               | 4.7               | 1.41                     |
| 8            | 500m       | 100m      | 5m                                | 250,000               | 4.7               | 1.17                     |
| 9            | 250m       | 50m       | 5m                                | 62,500                | 4.7               | 0.29                     |
| 10           | 1100m      | 100m      | 5m                                | 550,000               | 4.7               | 2.58                     |
| 11           | 500m       | 100m      | 5m                                | 250,000               | 4.7               | 1.17                     |
| <b>Total</b> |            |           |                                   |                       |                   | <b>9.91</b>              |

Magnetic anomalies of eight other untested pods, have a potential exploration target of 9.91 M tonnes of unknown Fe %, assuming that all pods have conservative magnetite lense thicknesses of 5m.



**FIGURE 15: Drill Hole Location - Magnetic Anomaly Compilation Map**



Three of the eleven magnetic anomalies, identified by the airborne survey, are related to magnetite skarns as determined from the current drilling and historic drilling, trenching and channel sampling. The anomalies that have confirmed magnetite mineralization include Pod #1, Pod #2 and Pod #4. As the geometries and magnetic gradient of the other eight anomalies are similar, it is reasonable to assume they also represent magnetite mineralization. The apparent northerly strike of Pods 10, 3, 4, 6 & 7 conforms to the strike of the regional geology and suggests a preferential replacement of magnetite bodies occur within the Quatsino/Parson Bay Limestone, localized along the intrusive contact. Carbonate-rich sediments known to be exposed in the anomalous areas are the potential host-rock for additional magnetite skarn deposits. The shape of the anomalies suggest the skarns are podiform, and somewhat continuous over an estimated 500m strike length. Additionally, it appears that magnetite-rich skarn lenses within the drilled and trenched pods appear to be continuous along N-S strike of its full dimension. To date only 3 of the 11 anomalous pods have been explored. Pod 1 is considered one of the smallest anomalies and Pod 2 and 4 are classed as having an intermediate size. Pod 10 for example is substantially larger and covers an area in excess of 1000m long by 300m wide (Figure 28).

The 1961 drilling done by Falconbridge within Pod 4 verifies the presence of magnetite mineralization and four holes achieved an average of 9 foot mineralized interval averaging 27% Fe. Of the ten documented assay samples the two highest intersections were 14.5ft @ 53% and 10.0ft @ 45% Fe. Because Pod 4 is situated in the centre of the main magnetic lineation extending from Pod 10 northward to Pod 7, this data provides support to the potential of a much larger magnetite occurrence than what is currently represented by Pod 1 and Pod 2 combined.

#### Mineral Resource Tabulation Pods 1, 2 and 4

The tabulation of an inferred resource is based on the author's on-site knowledge of the area's historic exploration results, examined surface magnetite exposures, combined with the mineralized intercepts encountered within the 2012 diamond drill program. The discontinuous and irregular nature of skarn-type deposits is well known and assumed to exist within the Bacon Lake property. However, the magnetic signatures provide a fairly accurate definition of magnetite deposit configuration and dimension and can be used as an interpolation tool that can be relied upon as exploration targets for delineation of mineralized bodies.

## Structural Possibilities

The central lineated group consisting of Pods #10, #3, #4, #6. & #7 forms a broad arc-shaped, north trending signature based on the alignment of the airborne magnetic anomalies. The arc-shape can be attributed to a rise in topography within the centre area, which then further indicates that the mineralized series of pods or lenses may dip steeply to the east. The separation of the anomalies can be interpreted as a structural indication consisting of a relatively uniform series of northeast striking offsets. This observation is considered somewhat characteristic within this type of intrusive-skarn contact replacement geology and mineralization.

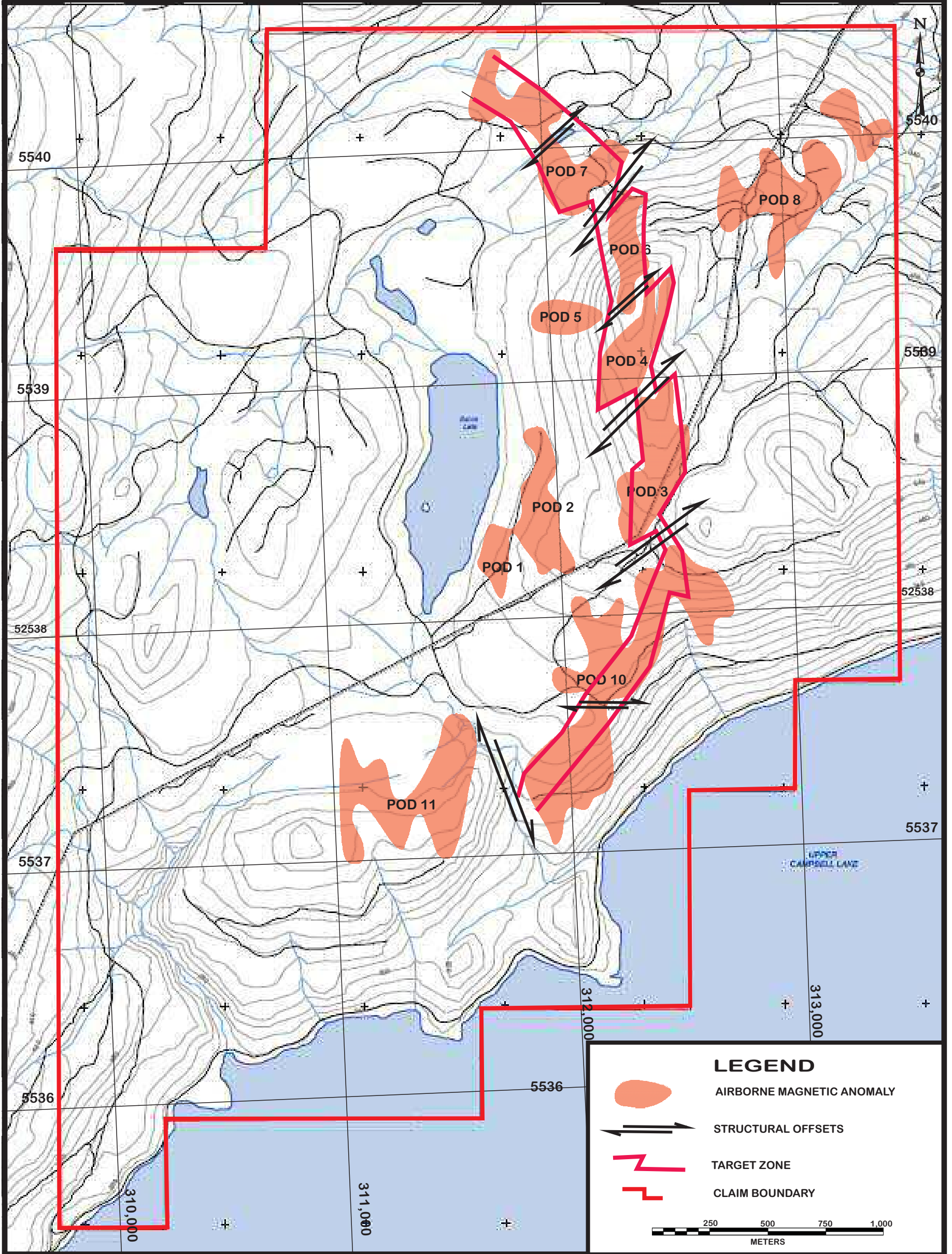
## Associated Economic Minerals

A common geologic feature within skarn-type deposits is the presence of base and precious metals. The Bacon Lake deposits display a presence of both zinc-copper and minor gold values found within small sporadic intervals, as sampled in the trench work. The 2012 drill core assays included ICP determinations, which indicated only moderate sporadic anomalous values for copper, zinc and gold. These intersections display no continuity and are therefore not included in the property's economic assessment. A further consideration is that the recovery of these associated metals would require more complex milling and metallurgical infrastructure, which would increase the capital and operating costs.

Of secondary importance, porphyry copper type mineralization on the Bacon Lake Property is evident, particularly in the eastern and southern areas of the claim. Disseminated pyrite and chalcopyrite was observed in granodiorite outcrops along Bacon 210 access road that have propylitic alteration and copper mineralization along veinlets and as fracture-fillings. Such occurrences were also observed along the high bluffs above Elk River Main west of Bacon Creek and along new logging roads southwest of Bacon Lake.

# BACON LAKE PROPERTY AEROMAGNETIC ANOMALIES

FIG # 16



## 5.0 Recommendations

The author is of the opinion that the Bacon Lake property has excellent merit and a high potential for increasing known magnetite resources within the developed targets identified by the airborne magnetometer survey and historic data. Largely based on the size and lineation of the airborne anomalies, these indicate the potential for a sizeable resource. A large bulk tonnage potential is a significant feature as other Vancouver Island skarn-related magnetite deposits have all fallen short in delineating sufficient bulk tonnage.

To advance this property toward becoming an economically viable contender, the following criteria should be near-term objectives:

1. Delineation of an iron resource achieving a minimum 10 M tonne reserve
2. Reserve should be open-pit mineable with a strip ratio not exceeding 1:1.5
3. Iron grades should range upwards from 30% Fe, preferably averaging around 50%
4. Sulphur contents should be less than 1%.

As most work done to date has focused on Pods #1 and #2, now contributing towards an inferred mineral resource, the scope of any future exploration is best directed towards creating a comprehensive inventory including Pods #10, #3, #4, #6, and #7. Some of these appear to have greater size and fall within a distinctive 4 kilometre long, north trending, arc-shaped, strong anomalous signature. Apart from Pod #4, the other target pods #10, #3, #5, #6 and #7 have no exploration records and appear unexplored.

### Proposed Exploration Program

1. Create a digital (TRIM) base map of the east half of the property and plot all relevant previous work and known bedrock geology.
2. Conduct a rudimentary geological mapping survey throughout the target area to establish the main rock types and relevant structural data such as contact zones, alteration types and mineralogy. Using a GPS, tie-in any visible historic work such as trenches or old drill pads.
3. Conduct a mini grid ground-base magnetometer survey within the areas surrounding the proposed drill sites mentioned below.
4. Conduct a 4,000m diamond drilling distributed throughout the relatively unexplored anomalous pods, as indicated within Figure 29. Prior to drilling, the proposed 8 drill sites require field verification, as described above. Twenty drill holes are proposed allowing for more than one hole per drill site. Drill holes should be set at different inclinations while maintaining the same azimuth. This permits the development of cursory tonnage estimates by section and provides a better insight as to the structural dip/direction of the mineralized pods and lenses. The proposed drill sites have been placed in accordance to the existing road access and are distributed to explore as many pods as possible within the target zone.

- The placement of drill pads should be determined based on the proposed field surveys, as it may be more economic to construct new access roads, rather than drilling deeper holes to intersect a determined target. Within British Columbia, obtaining work permits can be a cause of delay, also ratifying an agreement with the owner of the surface rights may take time; therefore, it is recommended that field work be done well in advance of the proposed drill program. Following the field surveys, any proposed new roads and drill pads locations can be made available for the permitting process.
- The average drill hole depth is estimated at 200m allowing for a range of 60m to a +200m depth. This depth is dependent on the distance of the hole's collar from the magnetic target. Also inclined holes often require drilling longer holes. One extra 200m drill hole has been included as an exploration measure.

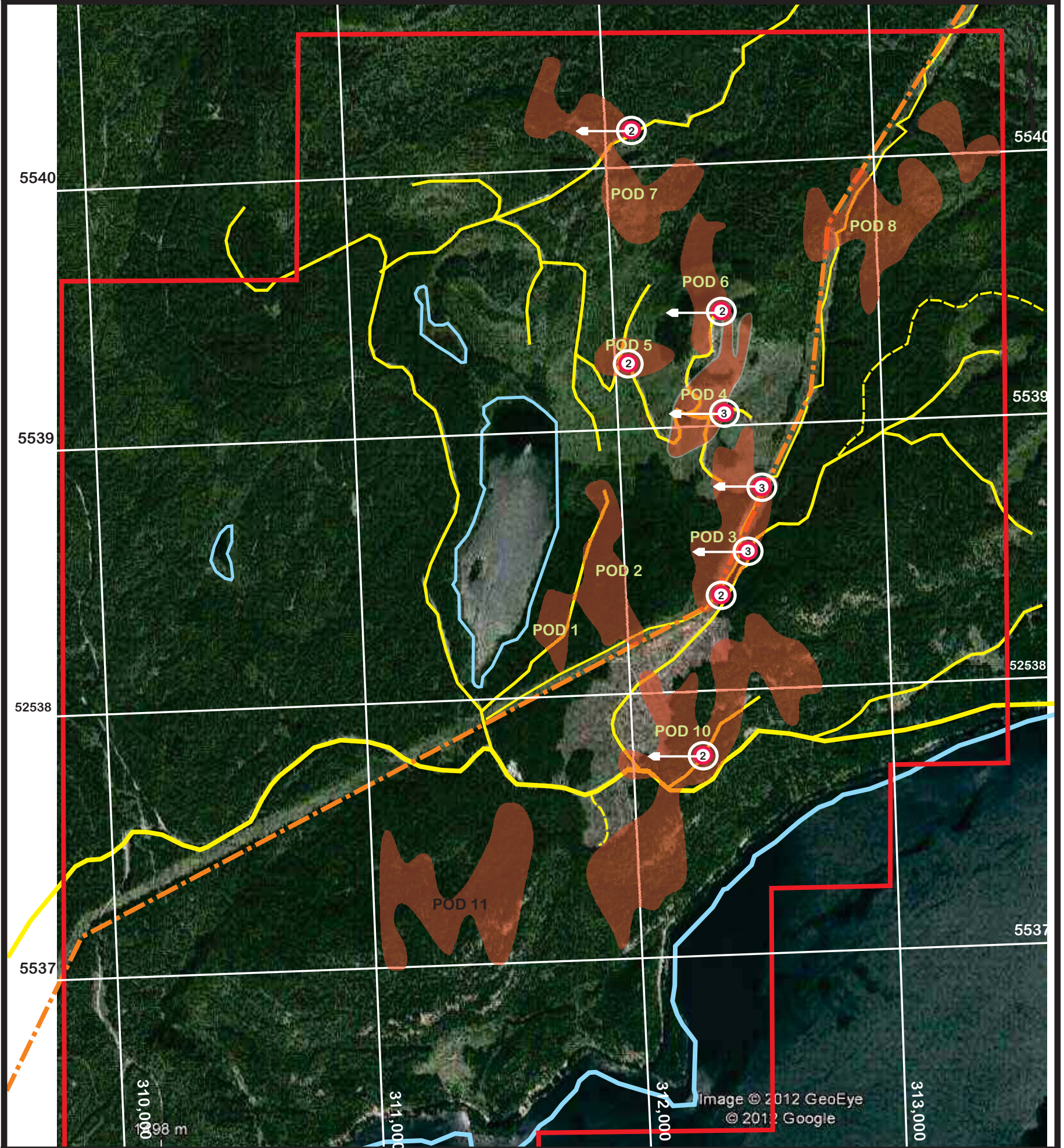
Completion of the recommended drill program, should provide a broader-scale appraisal and permit future exploration programs to be much better targeted. It should resolve the potential of individual pods and give indication towards size and grades of magnetite occurrences on the property.

**Table 17: Estimated Proposed Exploration Budget**

| Item   | Description  | Amount Estimate     |
|--|--|---------------------|
| Senior Geologist   | Field Work 10 days@\$600/day<br>Drill Supervision 100 days | \$6,000<br>\$60,000 |
| Junior Geologist   | Field Work 20 days@400/day<br>Core logging 100 days        | \$8,000<br>\$40,000 |
| Assistant  | Field Work 20 days@\$300/day<br>Core cutting 50 days       | \$6,000<br>\$15,000 |
| Drilling, including mob/demob,<br>site preparation & travel costs          | 4,000m @ \$165/m   | \$660,000           |
| Analytical core samples  | 1000 samples @ \$60/sample                                 | \$60,000            |
| Operational contingencies<br>communication, supplies and<br>transportation |  | \$20,000            |
| Reports and Map Work   |  | \$30,000            |
| Subtotal   |  | 905,000             |
| Contingency @ 10%  |  | \$90,500            |
| <b>Estimated Total</b>   | rounded  | <b>\$995,500</b>    |

FIG # 17

# BACON LAKE PROPERTY PROPOSED DRILL LOCATIONS



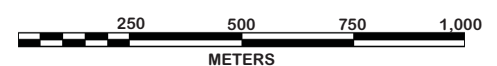
## LEGEND

- UP-DATED ACCESSIBLE ROADS
- OVER-GROWN ROADS & TRAILS

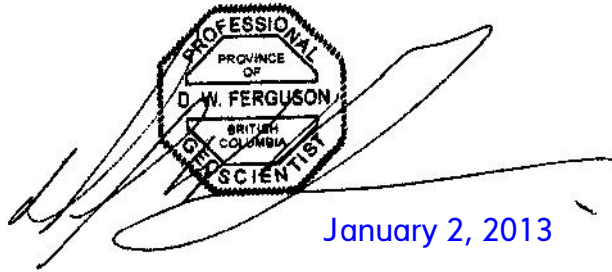


PROPOSED DRILL SITE  
ARROW INDICATES HOLE DIRECTION  
2 INDICATES THE NUMBER OF HOLES

- AIRBORNE MAGNETIC ANOMALY
- CLAIM BOUNDARY



Respectfully submitted,  
**AZTEC GEOSCIENCE INC.**



January 2, 2013

Del W. Ferguson, P. Geo.



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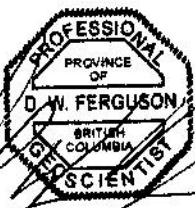
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## Certificate of Qualifications

I, Del (Delbert) W. Ferguson, of 918 Highwood Drive, Comox, BC, Canada V9M 3R5, hereby certify that:

1. I am a practicing Geoscientist.
2. I graduated with an Honours Bachelor of Science degree in Geology from the University of Western Ontario, Canada in 1979.
3. I am the Principal Geologist with Aztec Geoscience Inc.
4. I have been employed in my profession since 1979.
5. I am a Registered Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), registration number: 19893.
6. I am a Fellow of the Geological Association of Canada (F4782).
7. This report was prepared by myself, based on researched historical data, field visits and supervision, monitoring and reporting on the 2012 diamond drill program.
8. I most recently visited the subject property on April 23, 2012.
9. I am independent of the parties involved in the transaction for which this report is required, other than providing consulting services.

Dated this 2nd day of January, 2013



A circular professional seal for a geoscientist in the Province of British Columbia. The seal contains the text: "PROFESSIONAL PROVINCE OF BRITISH COLUMBIA GEOSCIENTIST" around the perimeter and "D.W. FERGUSON" in the center. The seal is stamped over a handwritten signature.

Del W. Ferguson, P.Geo.

## Statement of Costs

### BACON LAKE 2012 DRILL COST SUMMARY

|  |                              |      |      |                   |
|--|------------------------------|------|------|-------------------|
| Diamond Drilling Direct Costs (588.4m, 7 holes)                  |                              |      |      | 70,336.41         |
| Drill Crew Meals and Accommodation                               |                              |      |      | 9,863.92          |
| Equipment rental (D5H Crawler, 4x4/Tank, Quad, Pumps, waterline) |                              |      |      | 3,585.00          |
| <b>Subtotal</b>  |                              |      |      | <b>83,785.33</b>  |
| Diamond Drill Supervision  |                              | Days | Fees |                   |
|  | Geologist (Feb 12 to 26)     | 12   | 500  | 6,000.00          |
|  | Assistant (Feb 8 to 26)      | 14   | 400  | 5,600.00          |
|  | Travel (3928km at 0.50/km)   |      |      | 1,964.00          |
| <b>Subtotal</b>  |                              |      |      | <b>13,564.00</b>  |
| Core Logging, Cutting and Sampling<br>(Feb 27 to April 19)       |                              |      |      |                   |
|  | Geologist                    | 5    | 500  | 2,500.00          |
|  | Assistant                    | 5    | 400  | 2,000.00          |
|  | Core -Cutter                 | 4    | 250  | 1,000.00          |
|  | Saw Rental (22 hrs x 45 hrs) |      |      | 990.00            |
|  | Travel (675km at 0.50/km)    |      |      | 337.50            |
| <b>Subtotal</b>  |                              |      |      | <b>6,827.50</b>   |
| Sample Shipment (2 shipments = 118 core samples)                 |                              |      |      | 185.55            |
| Sample Analysis (Acme Labs - Vancouver)                          |                              |      |      | 6,651.29          |
| <b>Subtotal</b>  |                              |      |      | <b>6,836.84</b>   |
| Diamond Drill Site Field Check (April 23)                        |                              |      |      |                   |
|  | Geologist                    | 1    | 500  | 500.00            |
|  | Assistant                    | 1    | 400  | 400.00            |
| <b>Subtotal</b>  |                              |      |      | <b>900.00</b>     |
| Reporting & Mapping  |                              |      |      |                   |
|  | Geologist                    | 15   | 500  | 7,500.00          |
| <b>Subtotal</b>  |                              |      |      | <b>7,500.00</b>   |
| <b>TOTAL PROJECT EXPENSES</b>                                    |                              |      |      | <b>119,413.67</b> |

# **APPENDIX I DRILL HOLE LOGS**

## Aztec Geoscience Inc.

DRILL LOG

| METERAGE FROM |       | TO | ROCK TYPE                | DESCRIPTION   | PLANAR FEATURE ANGLE to CA | ROCK TYPE METERAGE | SAMPLE NUMBER | SAMPLE METERAGE FROM | TO    | SAMPLE LENGTH (m) | Fe %        | DTS MAG % | Cu %  | Zn %  | Au ppb | Co %   |       |
|---------------|-------|----|--------------------------|---|----------------------------|--------------------|---------------|----------------------|-------|-------------------|-------------|-----------|-------|-------|--------|--------|-------|
| 0.00          | 0.30  |    | overburden               |   |                            |                    |               |                      |       |                   |             |           |       |       |        |        |       |
| 0.30          | 1.50  |    | Andesite Porphyry        | medium green  |                            | 1.2                |               |                      |       |                   |             |           |       |       |        |        |       |
| 1.50          | 1.70  |    | Skarn                    | massive magnetite   |                            | 0.2                |               |                      |       |                   |             |           |       |       |        |        |       |
| 1.70          | 8.50  |    | Limestone                | thin banded   |                            | 6.8                |               |                      |       |                   |             |           |       |       |        |        |       |
| 8.50          | 9.45  |    | Andesite Porphyry        | medium green  |                            | 0.95               |               |                      |       |                   |             |           |       |       |        |        |       |
|               |       |    |                          | 8.5 2cm massive magnetite band at 80°   |                            |                    |               |                      |       |                   |             |           |       |       |        |        |       |
|               |       |    |                          | 9.1 0.5cm magnetite vein at 10°   |                            |                    |               |                      |       |                   |             |           |       |       |        |        |       |
|               |       |    |                          | 9.4 2.5cm magnetite bleb  |                            |                    |               |                      |       |                   |             |           |       |       |        |        |       |
| 9.45          | 16.30 |    | Skarn/Andesite/Limestone | magnetite-garnet-epidote-chlorite skarn +<br>intercalated andesite and limestone                      |                            | 6.85               | BL1-11        | 9.45                 | 10.00 | 0.55              | 56.42       |           | 0.008 | 0.007 | 838.2  | 0.04   |       |
|               |       |    |                          | 10 to 10.5 dominantly andesite  |                            |                    | BL1-12        | 10.00                | 11.00 | 1.00              | 25.27       |           | 0.002 | 0.01  | 121.3  | 0.004  |       |
|               |       |    |                          | 10.6 to 10.7 limestone  |                            |                    | BL1-13        | 11.00                | 12.00 | 1.00              | 17.32       |           | 0.004 | 0.01  | 48.9   | 0.003  |       |
|               |       |    |                          | 11 to 11.5 andesite   |                            |                    | BL1-14        | 12.00                | 13.00 | 1.00              | 24.42       |           | 0.006 | 0.003 | 4352.9 | 0.003  |       |
|               |       |    |                          | 12.8 to 13.1 limestone  |                            |                    | BL1-15        | 13.00                | 14.00 | 1.00              | 46.36       |           | 0.007 | 0.009 | 572    |        |       |
|               |       |    |                          | 13.5 to 15.3 andesite   |                            |                    | BL1-16        | 14.00                | 15.00 | 1.00              | 13.89       |           | 0.002 | 0.012 | 9.8    | 0.002  |       |
|               |       |    |                          | minor disseminated and stringer pyrite and pyrrhotite   |                            |                    | BL1-17        | 15.00                | 16.00 | 1.00              | 23.67       |           | 0.007 | 0.008 | 2.5    | 0.002  |       |
|               |       |    |                          | strong garnet-epidote flooding at lower contact at 20°  |                            |                    |               |                      |       |                   | Section Avg | 29.62     |       | 0.005 | 0.008  | 849.37 | 0.008 |
| 16.30         | 22.20 |    | Intrusive                | white to pale green felsic intrusive (granodiorite)<br>zones of epidote+/-chlorite flooding +/-ksparr |                            | 5.9                |               |                      |       |                   |             |           |       |       |        |        |       |
|               |       |    |                          | 17.3 to 17.65 andesite porphyry-dark green at 35°   |                            |                    |               |                      |       |                   |             |           |       |       |        |        |       |
| 22.20         | 23.20 |    | Skarn                    | garnet-epidote for upper 30cm then massive magnetite with pyrite and pyrrhotite veinlets              |                            | 1                  | BL1-18        | 22.20                | 23.30 | 1.10              | 54.16       | 72.8      | 0.071 | 0.004 | 28.6   | 0.001  |       |
|               |       |    |                          |   |                            |                    |               |                      |       |                   | Section Avg | 54.16     | 72.8  | 0.071 | 0.004  | 28.6   | 0.001 |
| 23.20         | 24.10 |    | Intrusive                | dark green; strong chlorite-epidote alteration with pyrrhotite-pyrite/chalcopyrite veinlets           |                            | 0.9                |               |                      |       |                   |             |           |       |       |        |        |       |
| 24.10         | 25.20 |    | Andesite Porphyry        | medium green<br>moderate chlorite-epidote flooded zones   |                            | 1.1                |               |                      |       |                   |             |           |       |       |        |        |       |
| 25.20         | 27.00 |    | Intrusive                | dark to light green; minor pyrite-pyrrhotite fractures<br>chlorite-epidote flooded bands at 30-50°    |                            | 1.8                |               |                      |       |                   |             |           |       |       |        |        |       |

|                             |                    |
|-----------------------------|--------------------|
| HOLE NO.<br>BL12-1          | PAGE NO.<br>1 of 3 |
| MAP REFERENCE NO. 92F/13    | CLAIM NO. 511635   |
| <b>LOCATION</b>             |                    |
| 49° 58' .001" N             |                    |
| 125° 37' .518" W            |                    |
| PROPERTY NAME<br>BACON LAKE |                    |

|   |                               |                        |                          |                                    |  |
|---|-------------------------------|------------------------|--------------------------|------------------------------------|--|
| DRILLING COMPANY<br>Peak Drilling Ltd.                        | COLLAR ELEVATION<br>436m      | BEARING OF HOLE<br>275 | TOTAL METERAGE<br>97.56  | DIP OF HOLE AT:<br>collar -45<br>m | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM<br>East Bacon Lake Road |
| DATE HOLE STARTED<br>14-Feb-2012                              | DATE COMPLETED<br>15-Feb-2012 | DATE LOGGED            | LOGGED BY<br>D. Ferguson | m                                  |  |
| EXPLORATION CO., OWNER OR OPTIONEE<br>LOMBARD RESOURCES CORP. |                               | DATE SUBMITTED         | SUBMITTED BY (Signature) | m                                  |  |
|   |                               |                        |                          | m                                  |  |







# Aztec Geoscience Inc.

DRILL LOG

| METERAGE FROM |              | TO                | ROCK TYPE   | DESCRIPTION | PLANAR FEATURE ANGLE to CA | ROCK TYPE METERAGE | SAMPLE NUMBER | SAMPLE METERAGE FROM | TO    | SAMPLE LENGTH (m) | ASSAYS |           |       |        |        |       |
|---------------|--------------|-------------------|---|-------------|----------------------------|--------------------|---------------|----------------------|-------|-------------------|--------|-----------|-------|--------|--------|-------|
|               |              |                   |   |             |                            |                    |               |                      |       |                   | Fe %   | DTS MAG % | Cu %  | Zn %   | Au ppb | Co %  |
| 0.00          | 15.20        | casing            | overburden <1m  |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |
|               |              |                   | expect that some of magnetite horizon was lost above 15.2m  |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |
| 15.20         | 18.50        | Skarn             | Chlorite-epidote-garnet; very broken; oxidized fractures  |             |                            | 3.3                | BL2-1         | 15.20                | 16.00 | 0.80              | 38.55  |           | 0.299 | 0.007  | 32.1   | 0.002 |
|               |              |                   | estimated 50% recovery  |             |                            |                    | BL2-2         | 16.00                | 16.80 | 0.80              | 16.47  |           | 0.057 | 0.008  | 2.2    |       |
|               | 15.2 to 16   |                   | strong garnet-magnetite + pyrite, pyrrhotite, chalcopyrite  |             |                            |                    | BL2-3         | 16.80                | 17.60 | 0.80              | 5.30   |           | 0.062 | 0.008  | 29.4   |       |
|               | 16 to 18.5   |                   | pyrite-pyrrhotite +/- magnetite-epidote   |             |                            |                    | BL2-4         | 17.60                | 18.50 | 0.90              | 13.11  |           | 0.032 | 0.014  | 1.2    | 0.001 |
| 18.50         | 20.30        | Andesite porphyry | medium green; small plagioclase phenocrysts<br>calcite-chlorite fracture coatings   |             |                            | 1.8                |               |                      |       | Section Avg       | 18.36  |           | 0.113 | 0.0093 |        |       |
| 20.30         | 23.30        | Intrusive         | pale green; silicified and bleached; strong chlorite-epidote fracturing + disseminated and veinlet<br>pyrite-arsenopyrite |             |                            | 3                  |               |                      |       |                   |        |           |       |        |        |       |
| 23.30         | 32.60        | Skarn/Intrusive   | intercalated chlorite-epidote skarn and intrusive<br>strong pyrite-pyrrhotite + local magnetite                           |             |                            | 9.30               | BL2-5         | 25.70                | 26.40 | 0.70              | 53.65  |           | 0.195 | 0.009  | 12.5   | 0.005 |
|               | 25.9 to 32.6 |                   | massive magnetite with disseminated and bleb pyrite-pyrrhotite-chalcopyrite   |             |                            |                    | BL2-6         | 26.40                | 27.40 | 1.00              | 69.99  |           | 0.339 | 0.014  | 19.4   | 0.001 |
|               |              |                   |   |             |                            |                    | BL2-7         | 27.40                | 28.40 | 1.00              | 64.91  |           | 0.192 | 0.018  | 6      | 0.006 |
|               |              |                   |   |             |                            |                    | BL2-8         | 28.40                | 29.40 | 1.00              | 62.91  |           | 0.009 | 0.007  | 0.9    |       |
|               |              |                   |   |             |                            |                    | BL2-9         | 29.40                | 30.40 | 1.00              | 65.06  | 90.90     | 0.012 | 0.018  |        |       |
| 32.60         | 33.40        | Andesite Porphyry | medium green; few epidote flooded zones at 80°  |             |                            | 0.8                | BL2-10        | 30.40                | 31.40 | 1.00              | 63.07  |           | 0.008 | 0.011  | 0.7    |       |
|               |              |                   |   |             |                            |                    | BL2-11        | 31.40                | 32.40 | 1.00              | 60.25  |           | 0.085 | 0.013  |        |       |
| 33.40         | 34.50        | Skarn             | pyrrhotite-pyrite-magnetite flooding  |             |                            | 1.10               | BL2-12        | 32.40                | 33.30 | 0.90              | 8.12   |           | 0.003 | 0.005  |        |       |
|               |              |                   |   |             |                            |                    | BL2-13        | 33.30                | 34.50 | 1.20              | 37.89  |           | 0.093 | 0.002  | 120.8  | 0.008 |
| 34.50         | 40.00        | Intrusive         | pale green; fine crystalline; strong silicification +<br>local bleaching of feldspars                                     |             |                            | 5.5                |               |                      |       | Section Avg       | 53.98  |           | 0.104 | 0.011  |        |       |
|               | 34.3 to 35.3 |                   | disseminated and fracture pyrite/arsenopyrite (2-5%)  |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |
|               | 38.7 to 39.6 |                   | stronger silicification; 5-10% disseminated pyrite  |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |
|               | 39.6 to 40   |                   | garnet-pyrite-pyrrhotite-magnetite blebs; 10-20%<br>strong pyrite-pyrrhotite blebs (no garnet)                            |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |
| 40.00         | 40.60        | Andesite Porphyry | medium green; steep calcite-epidote fractures   |             |                            | 0.6                |               |                      |       |                   |        |           |       |        |        |       |
| 40.60         | 41.00        | Intrusive         | strong silicification + chloritization<br>~2% disseminated and bleb pyrite  |             |                            | 0.4                |               |                      |       |                   |        |           |       |        |        |       |
| 41.00         | 42.30        | Andesite Porphyry | medium green; calcite-epidote fractures   |             |                            | 1.3                |               |                      |       |                   |        |           |       |        |        |       |
| 42.30         | 43.50        | Intrusive         | strong silicification + chlorite-epidote flooding<br>bleb pyrite-pyrrhotite-magnetite; 5-10%                              |             |                            | 1.2                |               |                      |       |                   |        |           |       |        |        |       |
|               |              |                   | 43 ~10cm strong epidote-garnet flooded zone   |             |                            |                    |               |                      |       |                   |        |           |       |        |        |       |

|                             |                     |
|-----------------------------|---------------------|
| HOLE NO.<br>BL12-2          | PAGE NO.<br>1 of 2  |
| MAP REFERENCE<br>No. 92F/13 | CLAIM NO.<br>511635 |
| <b>LOCATION</b>             |                     |
| 49° 58' .046" N             |                     |
| 125° 37' .481" W            |                     |
| PROPERTY NAME<br>BACON LAKE |                     |

|   |                               |                        |                          |                                    |  |
|---|-------------------------------|------------------------|--------------------------|------------------------------------|--|
| DRILLING COMPANY<br>Peak Drilling Ltd.                        | COLLAR ELEVATION<br>442m      | BEARING OF HOLE<br>245 | TOTAL METERAGE<br>100.6  | DIP OF HOLE AT:<br>collar -45<br>m | LOCATION OF HOLE IN<br>RELATION TO A FIXED<br>POINT ON THE CLAIM<br>East Bacon Lake Road |
| DATE HOLE STARTED<br>15-Feb-2012                              | DATE COMPLETED<br>16-Feb-2012 | DATE LOGGED            | LOGGED BY<br>D. Ferguson | m                                  |  |
| EXPLORATION CO., OWNER OR OPTIONEE<br>LOMBARD RESOURCES CORP. |                               | DATE SUBMITTED         | SUBMITTED BY (Signature) | m                                  |  |





## Aztec Geoscience Inc.

DRILL LOG

| DRILLING COMPANY                   |                |                   |   |                            |                    |                 |                 |                |                   | HOLE NO.                 |           | PAGE NO.   |       |  |       |           |  |  |  |
|------------------------------------|----------------|-------------------|---|----------------------------|--------------------|-----------------|-----------------|----------------|-------------------|--------------------------|-----------|--|-------|--|-------|-----------|--|--|--|
| Peak Drilling Ltd.                 |                |                   |   |                            |                    |                 |                 |                |                   | BL12-4                   |           | 1 of 2   |       |  |       |           |  |  |  |
| DATE HOLE STARTED                  |                | DATE COMPLETED    |   | COLLAR ELEVATION           |                    | BEARING OF HOLE |                 | TOTAL METERAGE |                   | DIP OF HOLE AT:          |           | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM |       | MAP REFERENCE NO.  |       | CLAIM NO. |  |  |  |
| 20-Feb-2012                        |                | 21-Feb-2012       |   | 437m                       |                    | 70              |                 | 100.6          |                   | collar -45<br>m          |           | East Bacon Lake Road                                       |       | 92F/13   |       | 511635    |  |  |  |
| EXPLORATION CO., OWNER OR OPTIONEE |                |                   |   | DATE LOGGED                |                    | LOGGED BY       |                 | DATE SUBMITTED |                   | SUBMITTED BY (Signature) |           | LOCATION   |       |  |       |           |  |  |  |
| LOMBARD RESOURCES CORP.            |                |                   |   |                            |                    | D. Ferguson     |                 |                |                   |                          |           |  |       | 49° 58' .198" N<br>125° 37' .405" W<br>PROPERTY NAME<br>BACON LAKE |       |           |  |  |  |
| METERAGE FROM                      | TO             | ROCK TYPE         | DESCRIPTION   | PLANAR FEATURE ANGLE to CA | ROCK TYPE METERAGE | SAMPLE NUMBER   | SAMPLE METERAGE |                | SAMPLE LENGTH (m) | ASSAYS                   |           |  |       |  |       |           |  |  |  |
|                                    |                |                   |   |                            |                    |                 | FROM            | TO             |                   | Fe %                     | DTS MAG % | Cu %   | Zn %  | Au ppb   | Co %  |           |  |  |  |
| 0.00                               | 12.00          | casing            | overburden was <1m  |                            |                    |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
| 12.00                              | 19.30          | Intrusive         | medium crystalline pale green; sericite alteration with ghost plagioclase feldspars; ~2% disseminated / veinlet pyrite<br>few siliceous zones with epidote veinlets |                            | 7.3                |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
|                                    | 17.7 to 17.9   |                   | strong silica alteration with 5-10% pyrite  |                            |                    |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
| 19.3                               | 20.2           | Andesite Porphyry | light grey; calcite stringers   |                            | 0.90               |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
| 20.20                              | 21.70          | Skarn             | mottled black; local quartz flooding<br>epidote-chlorite-magnetite-pyrite-pyrrhotite-chalcopryite   |                            | 1.5                | BL4-1           | 20.20           | 21.00          | 0.80              | 14.29                    |           | 0.086  | 0.005 | 102.9  | 0.002 |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-2           | 21.00           | 21.70          | 0.70              | 16.02                    |           | 0.009  | 0.007 | 9.7  |       |           |  |  |  |
| 21.70                              | 24.40          | Andesite Porphyry | medium grey; calcite stringers  |                            |                    |                 |                 |                |                   | Section Avg              | 15.16     |  | 0.048 | 0.006  |       |           |  |  |  |
|                                    | 22.2 to 22.4   |                   | andesite brecciated by calcite veining  |                            | 2.7                |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
| 24.40                              | 28.30          | Intrusive         | light grey; fspar-calcite flooding with ~5% fine disseminated pyrite  |                            | 3.9                |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
|                                    | 25.4 to 26     |                   | strong silica-epidote flooding with 10-20% pyrite/aspy  |                            |                    |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
|                                    | 26.7 to 27.2   |                   | strong silica-epidote flooding/gouge/20-30% pyrite/aspy   |                            |                    |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
| 28.30                              | 53.40          | Skarn/Andesite    | short sections of andesite porphyry; mainly magnetite, garnet, epidote; ~10% pyrite, pyrrhotite, chalcopryite   |                            | 25.10              | BL4-3           | 28.30           | 29.40          | 1.10              | 19.02                    |           | 0.127  | 0.006 | 35.0   | 0.007 |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-4           | 29.40           | 30.50          | 1.10              | 14.35                    |           | 0.202  | 0.005 | 290.5  | 0.01  |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-5           | 30.50           | 31.50          | 1.00              | 34.23                    |           | 0.151  | 0.002 | 71.4   | 0.008 |           |  |  |  |
|                                    | 33.4 to 34     |                   | medium grey andesite; disseminated + fracture pyrite<br>upper contact at 60°; lower contact at 40°  |                            |                    | BL4-6           | 31.50           | 32.50          | 1.00              | 52.02                    |           | 0.209  | 0.008 | 438.4  |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-7           | 32.50           | 33.40          | 0.90              | 49.46                    |           | 0.032  | 0.004 | 30.0   |       |           |  |  |  |
|                                    |                |                   |   |                            |                    |                 |                 |                |                   | Section Avg              | 33.82     |  | 0.144 | 0.005  |       |           |  |  |  |
|                                    | 34 to 45.1     |                   | massive magnetite-pyrrhotite-pyrite-chalcopryite skarn  |                            |                    |                 |                 |                |                   |                          |           |  |       |  |       |           |  |  |  |
|                                    | 45.1 to 45.7   |                   | medium green/grey andesite; calcite fractures and veinlets<br>disseminated/fracture pyrite; lower 7cm breccia contact   |                            |                    | BL4-8           | 34.00           | 35.00          | 1.00              | 60.41                    |           | 0.054  | 0.007 | 73.5   |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-9           | 35.00           | 36.00          | 1.00              | 48.65                    |           | 0.213  | 0.042 | 1338.9   |       |           |  |  |  |
|                                    | 45.7 to 47.25  |                   | massive magnetite-pyrrhotite-pyrite-chalcopryite skarn  |                            |                    | BL4-10          | 36.00           | 37.00          | 1.00              | 40.76                    |           | 0.383  | 0.012 | 200.6  | 0.004 |           |  |  |  |
|                                    | 47.25 to 47.85 |                   | medium green/grey andesite; epidote veinlets<br>epidote flooding at lower contact   |                            |                    | BL4-11          | 37.00           | 38.00          | 1.00              | 40.03                    | 54.3      | 0.289  | 0.008 | 191.7  | 0.001 |           |  |  |  |
|                                    | 47.85 to 49.5  |                   | massive magnetite-pyrrhotite-pyrite-garnet skarn  |                            |                    | BL4-12          | 38.00           | 39.00          | 1.00              | 58.01                    |           | 0.519  | 0.01  | 285.2  | 0.002 |           |  |  |  |
|                                    | 49.5 to 49.85  |                   | medium green andesite; silicified with 2% pyrite  |                            |                    | BL4-13          | 39.00           | 40.00          | 1.00              | 52.65                    |           | 0.154  | 0.006 | 248.4  |       |           |  |  |  |
|                                    | 51.1 to 52.2   |                   | strong epidote flooding; >10% pyrite<br>no magnetite near base of skarn; contact at 45°   |                            |                    | BL4-14          | 40.00           | 41.00          | 1.00              | 41.64                    |           | 0.037  | 0.003 | 67.8   |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-15          | 41.00           | 42.00          | 1.00              | 25.16                    |           | 0.044  | 0.233 | 5.7  |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-16          | 42.00           | 43.00          | 1.00              | 35.37                    |           | 0.026  | 0.035 | 7.2  |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-17          | 43.00           | 44.00          | 1.00              | 37.37                    |           | 0.067  | 0.024 | 14.3   |       |           |  |  |  |
|                                    |                |                   |   |                            |                    | BL4-18          | 44.00           | 45.10          | 1.10              | 56.85                    |           | 0.268  | 0.447 | 138.2  | 0.005 |           |  |  |  |
|                                    |                |                   |   |                            |                    |                 |                 |                |                   | Section Avg              | 45.17     |  | 0.187 | 0.075  |       |           |  |  |  |



## Aztec Geoscience Inc.

### DRILL LOG

| DRILLING COMPANY<br>Peak Drilling Ltd.                        |                |                               |  |                                  |                          |                             |                            |   |                             | COLLAR ELEVATION<br>437m | BEARING OF HOLE<br>70 | TOTAL METERAGE<br>64 | DIP OF HOLE AT:<br>collar -45<br>m |           | LOCATION OF HOLE IN<br>RELATION TO A FIXED<br>POINT ON THE CLAIM | HOLE NO.<br>BL12-5 | PAGE NO.<br>1 of 2 |
|---|----------------|-------------------------------|--|----------------------------------|--------------------------|-----------------------------|----------------------------|---|-----------------------------|--------------------------|-----------------------|----------------------|------------------------------------|-----------|--|--------------------|--------------------|
| DATE HOLE STARTED<br>21-Feb-2012                              |                | DATE COMPLETED<br>22-Feb-2012 |  | DATE LOGGED<br>23-Mar-2012       | LOGGED BY<br>D. Ferguson | MAP REFERENCE<br>NO. 92F/13 | CLAIM NO.<br>511635        | LOCATION<br>49° 58' .114" N<br>125° 37' .451" W | PROPERTY NAME<br>BACON LAKE |                          |                       |                      |                                    |           |  |                    |                    |
| EXPLORATION CO., OWNER OR OPTIONEE<br>LOMBARD RESOURCES CORP. |                |                               |  | DATE SUBMITTED                   | SUBMITTED BY (Signature) |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| METERAGE<br>FROM  | TO             | ROCK TYPE                     | DESCRIPTION  | PLANAR<br>FEATURE<br>ANGLE to CA | ROCK<br>TYPE<br>METERAGE | SAMPLE<br>NUMBER            | SAMPLE METERAGE<br>FROM TO |   | SAMPLE<br>LENGTH<br>(m)     | Fe<br>%                  | DTS<br>MAG %          | Cu<br>%              | Zn<br>%                            | Au<br>ppb | Co<br>%  |                    |                    |
| 0.00  | 4.00           | casing                        |  |                                  |                          |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 4.00  | 5.00           | Andesite Porphyry             | broken and fragmented; epidote & chlorite alteration   |                                  | 1                        |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 5.00  | 8.50           | Limestone/Marble              | grey to white banded   |                                  | 3.5                      |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
|   | 7.05           |                               | 3cm magnetite-pyrrhotite-pyrite band in 10cm chlorite alteration zone at 80°                             |                                  |                          |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 8.50  | 11.25          | Skarn                         | pale green with estimated 30% magnetite blebs and veinlets + pyrite and chalcopyrite (50% recovery)      |                                  | 2.75                     | BL5-1                       | 8.50                       | 11.25   | 1.40                        | 18.01                    |                       | 0.016                | 0.008                              | 10.1      |  |                    |                    |
|   |                |                               |  |                                  |                          |                             |                            |   | Section Avg                 | 18.01                    |                       | 0.016                | 0.008                              | 10.1      |  |                    |                    |
| 11.25   | 12.20          | Limestone/Marble              | grey to white banded; few thin magnetite veinlets  |                                  | 0.95                     |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 12.20   | 14.70          | Skarn/Andesite                | intercalated; dark to pale green; garnet flooding; magnetite veinlets;                                   |                                  | 2.5                      | BL5-2                       | 12.20                      | 13.50   | 1.30                        | 17.27                    |                       | 0.005                | 0.006                              | 769.2     | 0.002  |                    |                    |
|   | 14.40 to 14.70 |                               | massive magnetite  |                                  |                          | BL5-3                       | 13.50                      | 14.70   | 1.20                        | 22.04                    |                       | 0.003                | 0.006                              | 2.1       | 0.002  |                    |                    |
| 14.70   | 21.30          | Marble                        | crystalline white  |                                  | 6.60                     |                             |                            |   | Section Avg                 | 19.66                    |                       | 0.004                | 0.006                              | 385.7     | 0.002  |                    |                    |
|   | 14.70 to 15.00 |                               | 0.5 to 1cm magnetite stringer  |                                  |                          |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
|   | 15.40          |                               | 4cm epidote-pyrrhotite vein at 45°   |                                  |                          |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
|   | 20.65 to 20.80 |                               | chlorite-garnet-magnetite skarn at 70°   |                                  |                          |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 21.30   | 22.70          | Andesite Porphyry             | medium to pale green weakly porphyritic few epidote veinlets at 60 to 70°                                |                                  | 1.4                      |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
| 22.70   | 26.10          | Marble                        | crystalline white with veinlets, disseminated and bleb magnetite; upper contact at 60° has 2cm magnetite |                                  | 3.4                      | BL5-4                       | 22.70                      | 23.80   | 1.10                        | 1.71                     |                       |                      |                                    | 2.0       |  |                    |                    |
|   | 24.50 to 25.50 |                               | strong magnetite flooding  |                                  |                          | BL5-5                       | 23.80                      | 24.90   | 1.10                        | 6.71                     |                       | 0.063                | 0.002                              | 12.5      | 0.002  |                    |                    |
|   |                |                               |  |                                  |                          | BL5-6                       | 24.90                      | 26.10   | 1.20                        | 4.29                     |                       | 0.002                |                                    | 3.2       |  |                    |                    |
| 26.10   | 32.40          | Skarn/Andesite                | epidote-garnet intercalated with pale to medium green andesite   |                                  | 6.3                      |                             |                            |   |                             |                          |                       |                      |                                    |           |  |                    |                    |
|   | 26.10 to 26.60 |                               | massive magnetite in skarn   |                                  |                          | BL5-7                       | 26.10                      | 27.10   | 1.00                        | 15.69                    |                       | 0.004                | 0.012                              | 3.5       | 0.001  |                    |                    |
|   | 27.25 to 27.35 |                               | massive magnetite in skarn   |                                  |                          | BL5-8                       | 27.10                      | 28.10   | 1.00                        | 11.71                    |                       | 0.003                | 0.013                              | 5.0       | 0.002  |                    |                    |
|   | 28.45 to 28.80 |                               | massive magnetite in skarn   |                                  |                          | BL5-9                       | 28.10                      | 28.80   | 0.70                        | 25.49                    |                       | 0.006                | 0.012                              | 0.9       | 0.001  |                    |                    |
|   | 31.90 to 31.95 |                               | massive magnetite in skarn   |                                  |                          |                             |                            |   | Section Avg                 | 10.93                    |                       | 0.013                | 0.007                              | 4.5       | 0.001  |                    |                    |





# Aztec Geoscience Inc.

DRILL LOG

| METERAGE FROM |  | TO            | ROCK TYPE         | DESCRIPTION  | PLANAR FEATURE ANGLE TO CA | ROCK TYPE METERAGE | SAMPLE NUMBER | SAMPLE METERAGE FROM | TO    | SAMPLE LENGTH (m) | Fe %  | DTS MAG % | Cu %  | Zn %  | Au ppb | Co %  |
|---------------|--|---------------|-------------------|--|----------------------------|--------------------|---------------|----------------------|-------|-------------------|-------|-----------|-------|-------|--------|-------|
| 0.00          |  | 7.00          | casing            | <2m overburden   |                            |                    |               |                      |       |                   |       |           |       |       |        |       |
| 7.00          |  | 9.10          | Andesite Porphyry | strongly broken and fragmented   |                            | 2.1                |               |                      |       |                   |       |           |       |       |        |       |
| 9.10          |  | 11.00         | Intrusive         | broken felsic with oxidized fractures and disseminated pyrite                          |                            | 1.9                |               |                      |       |                   |       |           |       |       |        |       |
| 11.00         |  | 15.20         | Andesite Porphyry | medium green; zones of chlorite-epidote flooding                                       |                            | 4.2                |               |                      |       |                   |       |           |       |       |        |       |
| 15.20         |  | 28.00         | Skarn/Limestone   | brecciated lower contact   |                            |                    |               |                      |       |                   |       |           |       |       |        |       |
|               |  | 15.2 to 18.1  |                   | massive magnetite; pyrite-pyrrhotite, minor chalcopyrite                               |                            | 12.8               | BL6-1         | 15.20                | 16.20 | 1.00              | 41.55 |           | 0.200 | 0.430 | 119.6  | 0.014 |
|               |  | 18.1 to 20    |                   | andesite; epidote-calcite flooding   |                            |                    | BL6-2         | 16.20                | 17.20 | 1.00              | 56.92 |           | 0.174 | 0.013 | 203.0  | 0.029 |
|               |  | 20 to 20.5    |                   | massive magnetite; pyrite-pyrrhotite, minor chalcopyrite                               |                            |                    | BL6-3         | 17.20                | 18.10 | 0.90              | 51.53 |           | 0.250 | 0.022 | 148.0  | 0.033 |
|               |  | 20.5 to 20.9  |                   | andesite breccia gouge   |                            |                    | BL6-4         | 20.00                | 20.50 | 0.50              | 43.98 |           | 0.133 | 0.259 | 22.4   | 0.003 |
|               |  | 20.9 to 21.55 |                   | thin banded limestone  |                            |                    | BL6-5         | 21.55                | 21.90 | 0.35              | 15.95 |           | 0.053 | 0.228 | 8.2    | 0.001 |
|               |  | 21.55 to 21.9 |                   | chlorite-epidote flooding with magnetite banding                                       |                            |                    |               |                      |       | Section Avg.      | 41.99 |           | 0.162 | 0.190 |        |       |
|               |  | 21.9 to 23.6  |                   | light grey limestone   |                            |                    |               |                      |       |                   |       |           |       |       |        |       |
|               |  | 23.6 to 23.9  |                   | massive magnetite; pyrite-pyrrhotite, minor chalcopyrite                               |                            |                    | BL6-6         | 23.60                | 23.90 | 0.30              | 35.60 |           | 0.129 | 0.464 | 23.1   | 0.002 |
|               |  | 23.9 to 24.2  |                   | limestone  |                            |                    |               |                      |       | Section Avg.      | 35.60 |           | 0.129 | 0.464 |        |       |
|               |  | 24.2 to 24.4  |                   | massive magnetite; pyrite-pyrrhotite, minor chalcopyrite                               |                            |                    | BL6-7         | 24.20                | 25.30 | 1.10              | 20.19 |           | 0.009 | 0.178 | 12.2   | 0.002 |
|               |  | 24.4 to 26.4  |                   | disseminated and bleb magnetite > sulphides  |                            |                    | BL6-8         | 25.30                | 26.40 | 1.10              | 8.53  |           | 0.005 | 0.020 | 3.5    |       |
|               |  |               |                   | chlorite-epidote alteration  |                            |                    | BL6-9         | 26.40                | 27.20 | 0.80              | 46.35 |           | 0.022 | 0.186 | 5.6    | 0.003 |
|               |  | 26.4 to 28.0  |                   | massive magnetite > sulphides  |                            |                    | BL6-10        | 27.20                | 28.00 | 0.80              | 54.22 |           | 0.028 | 0.143 | 6.5    | 0.002 |
|               |  |               |                   |  |                            |                    |               |                      |       | Section Avg.      | 32.32 |           | 0.016 | 0.132 |        |       |
| 28.00         |  | 33.10         | Andesite Porphyry | medium to light green  |                            | 5.10               |               |                      |       |                   |       |           |       |       |        |       |
|               |  |               |                   | few calcite-garnet-epidote stringer zones  |                            |                    |               |                      |       |                   |       |           |       |       |        |       |
| 33.10         |  | 39.40         | Skarn             |  |                            | 6.3                | BL6-11        | 33.10                | 34.20 | 1.10              | 56.61 |           | 0.008 | 0.028 | 2.2    | 0.001 |
|               |  | 33.1 to 36.3  |                   | massive magnetite + minor pyrite-pyrrhotite  |                            |                    | BL6-12        | 34.20                | 35.30 | 1.10              | 64.80 | 92.4      | 0.007 | 0.115 | 2.4    | 0.003 |
|               |  |               |                   |  |                            |                    | BL6-13        | 35.30                | 36.30 | 1.00              | 58.39 |           | 0.012 | 0.055 | 2.3    | 0.002 |
|               |  | 36.3 to 37.5  |                   | gouge of calcite-chlorite with pyrite-pyrrhotite                                       |                            |                    | BL6-14        | 36.30                | 37.50 | 1.20              | 6.68  |           | 0.012 | 0.015 | 62.2   |       |
|               |  | 37.5 to 39.4  |                   | disseminated pyrite and pyrrhotite   |                            |                    | BL6-15        | 37.50                | 38.50 | 1.00              | 20.74 |           | 0.053 | 1.072 | 12.9   | 0.001 |
|               |  |               |                   | magnetite-epidote-garnet flooding  |                            |                    | BL6-16        | 38.50                | 39.40 | 0.90              | 10.98 |           | 0.015 | 0.186 | 4.8    |       |
|               |  |               |                   |  |                            |                    |               |                      |       | Section Avg.      | 36.37 |           | 0.018 | 0.245 |        |       |
|               |  |               |                   |  |                            |                    |               |                      |       | includes 3.2m     | 59.93 |           |       |       |        |       |
| 39.40         |  | 42.00         | Andesite Porphyry | medium green   |                            | 2.6                |               |                      |       |                   |       |           |       |       |        |       |
|               |  |               |                   | epidote alteration with disseminated and stringer pyrite, pyrrhotite, arsenopyrite <3% |                            |                    |               |                      |       |                   |       |           |       |       |        |       |
| 42.00         |  | 44.50         | Skarn             | strong epidote-garnet flooding; garnet mottling  |                            | 2.5                | BL6-17        | 42.00                | 43.00 | 1.00              | 9.85  |           | 0.034 | 0.031 | 5.2    | 0.004 |
|               |  |               |                   | strong pyrite, pyrrhotite, arsenopyrite  |                            |                    | BL6-18        | 43.00                | 44.00 | 1.00              | 8.38  |           | 0.049 | 0.145 | 4.7    | 0.004 |
|               |  |               |                   |  |                            |                    | BL6-19        | 44.00                | 44.50 | 0.50              | 7.78  |           | 0.029 | 0.036 | 4.0    | 0.002 |
|               |  |               |                   |  |                            |                    |               |                      |       | Section Avg.      | 8.67  |           | 0.037 | 0.071 |        |       |

|                             |                     |
|-----------------------------|---------------------|
| HOLE NO.<br>BL12-6          | PAGE NO.<br>1 of 2  |
| MAP REFERENCE<br>NO. 92F/13 | CLAIM NO.<br>511635 |
| <b>LOCATION</b>             |                     |
| 49° 58' .090 N              |                     |
| 125° 37' .459 W             |                     |
| PROPERTY NAME<br>BACON LAKE |                     |

|  |                               |                       |                          |  |  |
|--|-------------------------------|-----------------------|--------------------------|--|--|
| DRILLING COMPANY<br><b>Peak Drilling Ltd.</b>                        | COLLAR ELEVATION<br>439m      | BEARING OF HOLE<br>70 | TOTAL METERAGE<br>64     | DIP OF HOLE AT:<br>collar -45<br>m<br>m<br>m | LOCATION OF HOLE IN<br>RELATION TO A FIXED<br>POINT ON THE CLAIM<br>East Bacon Lake Road |
| DATE HOLE STARTED<br>22-Feb-2012                                     | DATE COMPLETED<br>23-Feb-2012 | DATE LOGGED           | LOGGED BY<br>D. Ferguson | DATE SUBMITTED                               | SUBMITTED BY (Signature)   |
| EXPLORATION CO., OWNER OR OPTIONEE<br><b>LOMBARD RESOURCES CORP.</b> |                               |                       |                          |  |  |



## Aztec Geoscience Inc.

DRILL LOG

| DRILLING COMPANY                   |  |              |                |                   |                |  |                          |                 |  | HOLE NO.                   |                    | PAGE NO.           |  |  |  |                   |        |           |       |       |        |       |       |
|------------------------------------|--|--------------|----------------|-------------------|----------------|--|--------------------------|-----------------|--|----------------------------|--------------------|--------------------|--|--|--|-------------------|--------|-----------|-------|-------|--------|-------|-------|
| Peak Drilling Ltd.                 |  |              |                |                   |                |  |                          |                 |  | BL12-7                     |                    | 1 of 2             |  |  |  |                   |        |           |       |       |        |       |       |
| DATE HOLE STARTED                  |  |              | DATE COMPLETED |                   |                | COLLAR ELEVATION   |                          | BEARING OF HOLE |  | TOTAL METERAGE             |                    | DIP OF HOLE AT:    |  | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM |  |                   |        |           |       |       |        |       |       |
| 24-Feb-2012                        |  |              | 25-Feb-2012    |                   |                | 437m   |                          | 70              |  | 97.6                       |                    | collar -45         |  | East Bacon Lake Raod                                       |  |                   |        |           |       |       |        |       |       |
| DATE LOGGED                        |  |              |                |                   | LOGGED BY      |  |                          |                 |  | MAP REFERENCE              |                    | CLAIM NO.          |  | LOCATION   |  |                   |        |           |       |       |        |       |       |
|                                    |  |              |                |                   | D. Ferguson    |  |                          |                 |  | NO. 92F/13                 |                    | 511635             |  | 49° 58' .007" N<br>125° 37' .509" W                        |  |                   |        |           |       |       |        |       |       |
| EXPLORATION CO., OWNER OR OPTIONEE |  |              |                |                   | DATE SUBMITTED |  | SUBMITTED BY (Signature) |                 |  |                            |                    | PROPERTY NAME      |  |  |  |                   |        |           |       |       |        |       |       |
| LOMBARD RESOURCES CORP.            |  |              |                |                   |                |  |                          |                 |  |                            |                    | BACON LAKE         |  |  |  |                   |        |           |       |       |        |       |       |
| METERAGE FROM                      |  | TO           |                | ROCK TYPE         |                | DESCRIPTION  |                          |                 |  | PLANAR FEATURE ANGLE to CA | ROCK TYPE METERAGE | SAMPLE NUMBER      |  | SAMPLE METERAGE FROM TO                                    |  | SAMPLE LENGTH (m) | ASSAYS |           |       |       |        |       |       |
|                                    |  |              |                |                   |                |  |                          |                 |  |                            |                    |                    |  |  |  |                   | Fe %   | DTS MAG % | Cu %  | Zn %  | Au ppb | Co %  | W ppm |
| 0.00                               |  | 3.70         |                | casing            |                | <2m overburden   |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 3.70                               |  | 26.50        |                | Limestone         |                |  |                          |                 |  |                            | 22.8               |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 26.50                              |  | 30.90        |                | Limestone/Skarn   |                | magnetite flooded bands in limestone/marble                |                          |                 |  |                            | 4.4                | BL7-1 26.50 27.50  |  | 1.00   |  |                   | 19.21  |           | 0.005 | 0.002 | 281.6  | 0.003 | 0.6   |
|                                    |  | 26.5 to 26.8 |                |                   |                | massive magnetite band at 10° contact                      |                          |                 |  |                            |                    | BL7-2 27.50 28.40  |  | 0.90   |  |                   | 63.94  |           | 0.024 | 0.004 | 38.0   | 0.009 | 30.8  |
|                                    |  | 26.8 to 27.5 |                |                   |                | marble with few pyrite-pyrrhotite stringers                |                          |                 |  |                            |                    | BL7-3 28.40 29.30  |  | 0.90   |  |                   | 55.39  | 68.6      | 0.011 | 0.006 | 151.1  | 0.064 | 36.3  |
|                                    |  | 27.5 to 29.3 |                |                   |                | massive magnetite with stringer pyrite-pyrrhotite          |                          |                 |  |                            |                    | BL7-4 29.30 30.30  |  | 1.00   |  |                   | 6.53   |           | 0.006 | 0.029 |        | 0.002 |       |
|                                    |  | 29.3 to 30.3 |                |                   |                | marble with pyrite-pyrrhotite stringers and bleb magnetite |                          |                 |  |                            |                    | BL7-5 30.30 30.90  |  | 0.60   |  |                   | 58.08  |           | 0.025 | 0.004 | 36.6   | 0.002 | 10.0  |
|                                    |  | 30.3 to 30.9 |                |                   |                | massive magnetite-pyrite-pyrrhotite                        |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 30.90                              |  | 32.80        |                | Skarn             |                | strong epidote flooding +/- garnet                         |                          |                 |  | 1.9                        |                    | BL7-6 30.90 31.90  |  | 1.00   |  |                   | 16.43  |           | 0.004 | 0.002 | 12.5   | 0.001 | 5.6   |
|                                    |  |              |                |                   |                | blebs of magnetite and stringer pyrite-pyrrhotite          |                          |                 |  |                            |                    | BL7-7 31.90 32.80  |  | 0.90   |  |                   | 14.69  |           | 0.009 | 0.005 | 5.7    | 0.001 | 0.8   |
|                                    |  |              |                |                   |                |  |                          |                 |  |                            |                    | Section Avg        |  |  |  |                   | 33.47  |           | 0.012 | 0.007 | 75.1   | 0.012 | 12.0  |
| 32.80                              |  | 46.30        |                | Andesite Porphyry |                | medium to light green                                      |                          |                 |  |                            | 13.50              |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  | 34.4 to 36.6 |                |                   |                | strong epidote-chlorite flooding; mottled texture          |                          |                 |  |                            |                    | BL7-8 34.40 35.50  |  | 1.10   |  |                   | 10.82  |           | 0.002 | 0.007 |        | 0.002 | 0.5   |
|                                    |  |              |                |                   |                | blebs of magnetite and weak stringer pyrite                |                          |                 |  |                            |                    | BL7-9 35.50 36.60  |  | 1.10   |  |                   | 12.03  |           | 0.003 | 0.006 | 0.8    |       |       |
|                                    |  | 36.6 to 46.3 |                |                   |                | few moderate to strong silica-epidote flooded zones        |                          |                 |  |                            |                    | Section Avg        |  |  |  |                   | 11.43  |           | 0.003 | 0.007 | 0.4    | 0.001 | 0.3   |
|                                    |  |              |                |                   |                | i.e. 37.8 to 38.3; 41.4 to 41.9; 45.5 to 45.6              |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 46.30                              |  | 48.30        |                | Intrusive         |                | light grey/green felsic; contact at 45°                    |                          |                 |  |                            | 2                  |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  |              |                |                   |                | local quartz-kspars veining and flooding                   |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 48.30                              |  | 71.70        |                | Andesite Porphyry |                | medium to dark green; calcite veinlets and fractures       |                          |                 |  |                            | 23.4               |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  | 49.3 to 71.7 |                |                   |                | strong mottling and chlorite-epidote alteration            |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  |              |                |                   |                | minor pyrite (zonal)                                       |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
| 71.70                              |  | 76.80        |                | Andesite/Skarn    |                | intercalated altered andesite and epidote-chlorite skarn   |                          |                 |  |                            | 5.1                |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  | 71.7 to 72.4 |                |                   |                | strong epidote-chlorite flooding                           |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  | 72.4 to 73.0 |                |                   |                | massive magnetite  |                          |                 |  |                            |                    | BL7-10 72.40 73.00 |  | 0.60   |  |                   | 56.21  |           | 0.006 | 0.004 | 7.2    |       | 4.4   |
|                                    |  | 73.0 to 73.5 |                |                   |                | weak to moderate epidote-chlorite flooding of andesite     |                          |                 |  |                            |                    | Section Avg        |  |  |  |                   | 56.21  |           | 0.006 | 0.004 | 7.2    |       | 4.4   |
|                                    |  | 73.5 to 73.8 |                |                   |                | intense epidote-chlorite flooding                          |                          |                 |  |                            |                    |                    |  |  |  |                   |        |           |       |       |        |       |       |
|                                    |  | 73.8 to 76.5 |                |                   |                | massive + graphitic-textured magnetite                     |                          |                 |  |                            |                    | BL7-11 73.80 74.70 |  | 0.90   |  |                   | 50.66  |           | 0.423 | 0.025 | 167.5  | 0.002 | 36.7  |
|                                    |  |              |                |                   |                | local disseminated and stringer pyrite-chalcopyrite        |                          |                 |  |                            |                    | BL7-12 74.70 75.60 |  | 0.90   |  |                   | 61.45  |           | 0.204 | 0.013 | 29.4   |       | 23.0  |
|                                    |  | 76.5 to 76.8 |                |                   |                | strong epidote-chlorite and pyritized with weak magnetite  |                          |                 |  |                            |                    | BL7-13 75.60 76.50 |  | 0.90   |  |                   | 58.73  |           | 0.360 | 0.019 | 249.2  |       | 20.2  |
|                                    |  |              |                |                   |                |  |                          |                 |  |                            |                    | Section Avg        |  |  |  |                   | 56.95  |           | 0.329 | 0.019 | 148.7  | 0.001 | 26.6  |



## **APPENDIX II ANALYTICAL DATA**



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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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6286 McCleery Street  
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Submitted By: David Fawcett  
Receiving Lab: Canada-Vancouver  
Received: February 29, 2012  
Report Date: May 04, 2012  
Page: 1 of 4

# CERTIFICATE OF ANALYSIS

VAN12000921.1

## CLIENT JOB INFORMATION

Project: BACON LAKE  
Shipment ID:  
P.O. Number  
Number of Samples: 62

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lombard Resources Corp  
6286 McCleery Street  
Vancouver BC V6N 1G4  
Canada

CC: Del Ferguson  
Joe Paquet  
Greg Burns

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---|--------------|---------------|-----|
| R200-250    | 62                | Crush, split and pulverize 250 g rock to 200 mesh       |              |               | VAN |
| 4X30        | 62                | Li2B4O7/LiBO2/NaNO3 fusion, analysis of Iron Ores by XF |              | Completed     | VAN |
| 4B02        | 62                | LiBO2/Li2B4O7 fusion ICP-MS analysis                    | 0.2          | Completed     | VAN |

## ADDITIONAL COMMENTS



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



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Project: BACON LAKE  
 Report Date: May 04, 2012

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Part: 1 of 4

# CERTIFICATE OF ANALYSIS

## VAN12000921.1

| Method<br>Analyte | Unit       | WGHT | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  |        |
|-------------------|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
|                   |            | Wgt  | SiO2  | Al2O3 | Fe2O3 | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3  | As     | Ba     | Co     | Cu    | Ni     | Pb     | S      | Sn     | Sr     |
|                   | MDL        | kg   | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %      | %      | %      | %      |        |
|                   |            | 0.01 | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004  | 0.003  | 0.004  | 0.001  | 0.001 | 0.001  | 0.001  | 0.003  | 0.001  |        |
| BL 2-1            | Drill Core | 1.71 | 22.71 | 2.65  | 55.12 | 20.07 | 0.12  | 0.01  | 0.43  | 0.06  | 0.12  | 0.006  | 0.003  | <0.004 | 0.002  | 0.299 | 0.003  | <0.001 | 0.781  | <0.003 | <0.001 |
| BL 2-2            | Drill Core | 1.13 | 37.79 | 11.96 | 23.55 | 23.67 | 1.55  | 0.11  | 0.86  | 0.23  | 0.11  | 0.008  | <0.003 | 0.010  | <0.001 | 0.057 | 0.007  | <0.001 | 0.044  | <0.003 | 0.027  |
| BL 2-3            | Drill Core | 1.18 | 61.06 | 14.88 | 7.58  | 8.10  | 1.54  | 0.33  | 0.29  | 0.35  | 0.12  | 0.006  | <0.003 | 0.028  | <0.001 | 0.062 | 0.002  | <0.001 | 0.101  | <0.003 | 0.042  |
| BL 2-4            | Drill Core | 0.97 | 44.16 | 15.10 | 18.74 | 14.56 | 2.87  | 0.67  | 0.51  | 0.44  | 0.12  | 0.007  | <0.003 | 0.014  | 0.001  | 0.032 | 0.004  | <0.001 | 0.007  | <0.003 | 0.033  |
| BL 2-5            | Drill Core | 1.98 | 12.35 | 0.59  | 76.70 | 6.89  | 0.66  | 0.02  | 0.26  | 0.02  | 0.02  | <0.004 | 0.004  | <0.004 | 0.005  | 0.195 | 0.001  | 0.002  | 7.690  | <0.003 | <0.001 |
| BL 2-6            | Drill Core | 2.21 | 2.41  | 0.21  | 100.1 | 0.24  | 0.10  | 0.03  | 0.11  | <0.01 | 0.02  | 0.018  | <0.003 | <0.004 | 0.001  | 0.339 | 0.007  | <0.001 | 1.510  | <0.003 | <0.001 |
| BL 2-7            | Drill Core | 2.44 | 4.37  | 0.20  | 92.81 | 1.26  | 0.40  | 0.03  | 0.12  | <0.01 | <0.01 | <0.004 | <0.003 | 0.005  | 0.006  | 0.192 | 0.003  | 0.002  | 5.639  | 0.005  | <0.001 |
| BL 2-8            | Drill Core | 2.51 | 6.75  | 0.39  | 89.94 | 3.48  | 0.69  | 0.05  | 0.19  | <0.01 | 0.01  | 0.006  | <0.003 | 0.005  | <0.001 | 0.009 | 0.005  | 0.001  | 0.040  | 0.006  | 0.001  |
| BL 2-9            | Drill Core | 2.77 | 7.33  | 0.41  | 93.02 | 2.85  | 0.81  | 0.06  | 0.19  | <0.01 | 0.01  | 0.009  | <0.003 | <0.004 | <0.001 | 0.012 | 0.009  | 0.003  | 0.094  | 0.005  | 0.001  |
| BL 2-10           | Drill Core | 2.19 | 8.01  | 0.47  | 90.17 | 3.86  | 0.78  | 0.04  | 0.20  | 0.04  | 0.02  | 0.006  | <0.003 | <0.004 | <0.001 | 0.008 | 0.006  | <0.001 | 0.148  | 0.008  | <0.001 |
| BL 2-11           | Drill Core | 3.25 | 9.63  | 0.37  | 86.14 | 4.08  | 1.20  | 0.03  | 0.25  | 0.01  | 0.01  | <0.004 | <0.003 | 0.006  | <0.001 | 0.085 | <0.001 | 0.001  | 0.322  | 0.008  | <0.001 |
| BL 2-12           | Drill Core | 1.74 | 48.98 | 16.24 | 11.61 | 13.39 | 4.66  | 0.24  | 0.30  | 0.61  | 0.14  | 0.014  | <0.003 | 0.008  | <0.001 | 0.003 | 0.004  | <0.001 | 0.030  | <0.003 | 0.040  |
| BL 2-13           | Drill Core | 1.77 | 21.53 | 3.05  | 54.17 | 13.83 | 1.45  | 0.02  | 0.31  | 0.08  | 0.07  | 0.044  | 0.004  | <0.004 | 0.008  | 0.093 | 0.034  | <0.001 | 9.359  | <0.003 | 0.003  |
| BL 3-1            | Drill Core | 3.28 | 13.16 | 1.46  | 80.27 | 5.05  | 1.77  | 0.03  | 0.42  | 0.13  | 0.07  | 0.008  | <0.003 | <0.004 | <0.001 | 0.007 | 0.002  | 0.001  | <0.001 | 0.007  | 0.002  |
| BL 3-2            | Drill Core | 2.21 | 10.21 | 2.40  | 84.63 | 3.70  | 0.70  | 0.06  | 0.28  | 0.08  | 0.09  | 0.008  | <0.003 | <0.004 | <0.001 | 0.027 | <0.001 | <0.001 | 0.028  | 0.007  | 0.004  |
| BL 3-3            | Drill Core | 2.89 | 12.81 | 1.51  | 80.09 | 5.05  | 1.40  | 0.03  | 0.47  | 0.11  | 0.07  | 0.007  | <0.003 | <0.004 | <0.001 | 0.042 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 |
| BL 3-4            | Drill Core | 2.02 | 10.12 | 0.86  | 81.83 | 7.42  | 0.54  | 0.02  | 0.33  | <0.01 | 0.02  | <0.004 | <0.003 | <0.004 | <0.001 | 0.011 | 0.005  | <0.001 | 0.002  | 0.006  | <0.001 |
| BL 3-5            | Drill Core | 1.72 | 13.28 | 1.35  | 76.04 | 9.58  | 0.84  | 0.02  | 0.39  | 0.03  | 0.01  | 0.006  | 0.005  | <0.004 | <0.001 | 0.015 | 0.003  | <0.001 | <0.001 | 0.006  | <0.001 |
| BL 3-6            | Drill Core | 1.29 | 14.34 | 1.44  | 70.98 | 12.75 | 0.46  | 0.01  | 0.46  | 0.02  | 0.01  | 0.014  | <0.003 | <0.004 | <0.001 | 0.011 | 0.005  | <0.001 | <0.001 | 0.003  | <0.001 |
| BL 4-1            | Drill Core | 1.70 | 43.08 | 13.21 | 20.43 | 15.17 | 3.48  | 0.27  | 0.25  | 0.42  | 0.14  | 0.010  | 0.003  | 0.013  | 0.002  | 0.086 | 0.008  | <0.001 | 2.321  | <0.003 | 0.049  |
| BL 4-2            | Drill Core | 1.12 | 38.32 | 16.31 | 22.90 | 11.91 | 4.11  | 0.84  | 0.34  | 0.38  | 0.12  | 0.013  | <0.003 | 0.016  | <0.001 | 0.009 | 0.004  | <0.001 | 0.034  | <0.003 | 0.042  |
| BL 4-3            | Drill Core | 1.62 | 33.04 | 14.13 | 27.19 | 14.38 | 2.84  | 0.02  | 0.32  | 0.28  | 0.12  | 0.008  | <0.003 | <0.004 | 0.007  | 0.127 | 0.003  | <0.001 | 4.619  | <0.003 | 0.047  |
| BL 4-4            | Drill Core | 1.27 | 46.12 | 14.08 | 20.52 | 6.30  | 2.66  | 0.31  | 0.18  | 0.41  | 0.13  | 0.009  | 0.010  | 0.015  | 0.010  | 0.202 | 0.006  | <0.001 | 6.440  | <0.003 | 0.034  |
| BL 4-5            | Drill Core | 2.09 | 24.91 | 1.40  | 48.94 | 19.63 | 0.35  | 0.01  | 0.63  | 0.02  | 0.04  | 0.010  | 0.017  | <0.004 | 0.008  | 0.151 | 0.005  | <0.001 | 7.284  | <0.003 | 0.002  |
| BL 4-6            | Drill Core | 2.75 | 13.44 | 0.61  | 74.38 | 11.52 | 0.24  | 0.02  | 0.27  | 0.01  | 0.02  | <0.004 | 0.011  | <0.004 | <0.001 | 0.209 | 0.002  | <0.001 | 0.574  | 0.005  | <0.001 |
| BL 4-7            | Drill Core | 2.52 | 15.39 | 1.08  | 70.72 | 12.76 | 0.34  | 0.03  | 0.28  | <0.01 | 0.02  | 0.005  | 0.012  | <0.004 | <0.001 | 0.032 | 0.001  | <0.001 | 0.325  | 0.005  | <0.001 |
| BL 4-8            | Drill Core | 2.39 | 8.58  | 0.67  | 86.37 | 4.65  | 0.35  | 0.03  | 0.19  | <0.01 | 0.03  | 0.005  | <0.003 | <0.004 | <0.001 | 0.054 | 0.002  | 0.001  | 0.882  | 0.005  | <0.001 |
| BL 4-9            | Drill Core | 2.14 | 12.15 | 1.50  | 69.56 | 12.88 | 0.39  | 0.02  | 0.34  | 0.04  | 0.03  | <0.004 | 0.005  | <0.004 | <0.001 | 0.213 | 0.003  | 0.001  | 0.670  | 0.004  | 0.001  |
| BL 4-10           | Drill Core | 2.85 | 15.02 | 2.67  | 58.28 | 16.57 | 1.15  | 0.02  | 0.40  | 0.25  | 0.07  | 0.018  | <0.003 | <0.004 | 0.004  | 0.383 | 0.006  | <0.001 | 0.778  | <0.003 | <0.001 |
| BL 4-11           | Drill Core | 2.26 | 8.42  | 0.71  | 57.23 | 19.47 | 0.55  | <0.01 | 0.19  | 0.02  | 0.11  | 0.015  | 0.003  | 0.004  | 0.001  | 0.289 | 0.003  | <0.001 | 1.220  | <0.003 | 0.005  |





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Project: BACON LAKE  
 Report Date: May 04, 2012

Page: 2 of 4

Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 4XIFe      | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4B    | 4B  | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  |       |
|---------|------------|-------|--------|--------|-------|-------|-----|-----|------|------|------|------|------|-----|-----|-------|------|------|-----|-----|-------|
| Analyte | Zn         | Zr    | V2O5   | LOI    | SUM   | Ba    | Be  | Co  | Cs   | Ga   | Hf   | Nb   | Rb   | Sn  | Sr  | Ta    | Th   | U    | V   | W   |       |
| Unit    | %          | %     | %      | %      | %     | ppm   | ppm | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm | ppm   | ppm  | ppm  | ppm | ppm |       |
| MDL     | 0.001      | 0.002 | 0.002  | -5.11  | 0.01  | 1     | 1   | 0.2 | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5 | 0.1   | 0.2  | 0.1  | 8   | 0.5 |       |
| BL 2-1  | Drill Core | 0.007 | <0.002 | <0.002 | -1.06 | 101.4 | 5   | <1  | 13.0 | <0.1 | 10.0 | 0.5  | 1.7  | 0.4 | 7   | 3.8   | <0.1 | 0.3  | 3.1 | 14  | 10.2  |
| BL 2-2  | Drill Core | 0.008 | 0.005  | 0.007  | 1.24  | 101.3 | 24  | <1  | 8.2  | 0.1  | 15.6 | 1.5  | 2.3  | 0.8 | 2   | 278.1 | 0.2  | 1.6  | 3.5 | 39  | 3.7   |
| BL 2-3  | Drill Core | 0.008 | 0.003  | 0.008  | 0.73  | 95.25 | 251 | 4   | 7.6  | 0.6  | 12.3 | 3.1  | 4.4  | 3.1 | <1  | 475.5 | 0.2  | 2.3  | 1.1 | 44  | 0.5   |
| BL 2-4  | Drill Core | 0.014 | <0.002 | 0.021  | 1.32  | 98.64 | 147 | 4   | 15.5 | 0.8  | 16.3 | 2.1  | 2.0  | 3.6 | 2   | 347.2 | 0.1  | 1.3  | 1.4 | 137 | 0.8   |
| BL 2-5  | Drill Core | 0.009 | <0.002 | <0.002 | 2.73  | 119.7 | 6   | 4   | 71.5 | <0.1 | 5.4  | 0.2  | 0.6  | 0.4 | <1  | 3.4   | <0.1 | <0.2 | 0.6 | <8  | 23.3  |
| BL 2-6  | Drill Core | 0.014 | <0.002 | <0.002 | -2.04 | 103.1 | 9   | <1  | 22.7 | <0.1 | 4.7  | <0.1 | <0.1 | 1.0 | <1  | 4.2   | <0.1 | <0.2 | 0.7 | <8  | 21.7  |
| BL 2-7  | Drill Core | 0.018 | <0.002 | <0.002 | 0.89  | 114.5 | 9   | 4   | 73.7 | 0.2  | 4.0  | <0.1 | <0.1 | 0.8 | <1  | 4.9   | <0.1 | <0.2 | 0.2 | <8  | 14.7  |
| BL 2-8  | Drill Core | 0.007 | <0.002 | <0.002 | -1.97 | 99.61 | 15  | 7   | 8.3  | 0.2  | 5.0  | <0.1 | <0.1 | 0.8 | <1  | 12.9  | <0.1 | <0.2 | 0.3 | <8  | 15.9  |
| BL 2-9  | Drill Core | 0.018 | <0.002 | <0.002 | -1.78 | 103.0 | 16  | <1  | 8.2  | <0.1 | 5.0  | <0.1 | <0.1 | 0.8 | <1  | 11.3  | <0.1 | <0.2 | 0.1 | <8  | 9.3   |
| BL 2-10 | Drill Core | 0.011 | <0.002 | <0.002 | -1.00 | 102.8 | 14  | 7   | 9.1  | 0.1  | 5.4  | 0.3  | <0.1 | 0.8 | <1  | 16.9  | <0.1 | <0.2 | 0.5 | <8  | 15.0  |
| BL 2-11 | Drill Core | 0.013 | <0.002 | <0.002 | -1.68 | 100.5 | 9   | 8   | 11.5 | <0.1 | 4.7  | <0.1 | <0.1 | 0.6 | <1  | 13.3  | <0.1 | <0.2 | 0.2 | <8  | 19.9  |
| BL 2-12 | Drill Core | 0.005 | <0.002 | 0.034  | 1.16  | 97.47 | 90  | <1  | 4.2  | 0.3  | 13.9 | 2.4  | 0.8  | 3.1 | 1   | 426.4 | <0.1 | 0.9  | 1.4 | 189 | 0.9   |
| BL 2-13 | Drill Core | 0.002 | <0.002 | <0.002 | 0.00  | 118.1 | 6   | <1  | 74.6 | <0.1 | 7.8  | 0.4  | <0.1 | 0.7 | 1   | 115.7 | <0.1 | 0.3  | 1.1 | 26  | 12.5  |
| BL 3-1  | Drill Core | 0.012 | <0.002 | <0.002 | -1.62 | 100.8 | 6   | <1  | 15.2 | <0.1 | 7.0  | 0.3  | 0.4  | 0.6 | <1  | 33.4  | <0.1 | <0.2 | 0.6 | <8  | 19.9  |
| BL 3-2  | Drill Core | 0.014 | <0.002 | <0.002 | -1.77 | 100.5 | 11  | 8   | 14.6 | <0.1 | 6.6  | 0.5  | <0.1 | 0.9 | <1  | 53.4  | <0.1 | 0.3  | 0.8 | <8  | 18.7  |
| BL 3-3  | Drill Core | 0.016 | <0.002 | <0.002 | -1.00 | 100.6 | 8   | <1  | 13.5 | 0.1  | 7.4  | 0.4  | 0.1  | 0.5 | 1   | 24.4  | <0.1 | <0.2 | 0.5 | <8  | 26.4  |
| BL 3-4  | Drill Core | 0.040 | <0.002 | <0.002 | -1.51 | 99.70 | 4   | <1  | 12.3 | <0.1 | 8.4  | <0.1 | <0.1 | 0.6 | 3   | 5.9   | <0.1 | <0.2 | 0.7 | <8  | 22.4  |
| BL 3-5  | Drill Core | 0.030 | <0.002 | 0.004  | -0.94 | 100.7 | 6   | 4   | 10.9 | <0.1 | 7.0  | <0.1 | <0.1 | 0.6 | 7   | 13.5  | <0.1 | <0.2 | 1.0 | 22  | 59.0  |
| BL 3-6  | Drill Core | 0.021 | <0.002 | <0.002 | -0.21 | 100.3 | 5   | 8   | 11.1 | <0.1 | 6.8  | <0.1 | <0.1 | 0.2 | 5   | 12.8  | <0.1 | <0.2 | 0.7 | 16  | 118.4 |
| BL 4-1  | Drill Core | 0.005 | <0.002 | 0.013  | 3.14  | 105.6 | 38  | 4   | 13.8 | <0.1 | 18.0 | 1.7  | 1.0  | 1.2 | 5   | 499.9 | <0.1 | 1.2  | 3.3 | 81  | <0.5  |
| BL 4-2  | Drill Core | 0.007 | 0.002  | 0.014  | 3.30  | 98.68 | 127 | 4   | 6.4  | 0.2  | 22.2 | 2.4  | 1.7  | 6.4 | 6   | 422.7 | 0.2  | 2.0  | 3.3 | 101 | 0.8   |
| BL 4-3  | Drill Core | 0.006 | <0.002 | 0.005  | 0.00  | 104.1 | 11  | <1  | 61.6 | <0.1 | 18.5 | 2.1  | 1.7  | 0.6 | 4   | 510.9 | 0.1  | 2.2  | 3.3 | 47  | <0.5  |
| BL 4-4  | Drill Core | 0.005 | <0.002 | 0.015  | 0.00  | 107.2 | 74  | 4   | 90.9 | 0.2  | 14.6 | 2.0  | 1.4  | 5.4 | 2   | 324.6 | <0.1 | 1.5  | 1.4 | 93  | 0.7   |
| BL 4-5  | Drill Core | 0.002 | <0.002 | <0.002 | 0.00  | 114.4 | 7   | 4   | 69.5 | 0.1  | 8.3  | <0.1 | <0.1 | 0.9 | 2   | 13.6  | <0.1 | <0.2 | 1.8 | <8  | 16.2  |
| BL 4-6  | Drill Core | 0.008 | <0.002 | <0.002 | -1.57 | 99.82 | 6   | 8   | 20.7 | <0.1 | 6.1  | <0.1 | <0.1 | 0.3 | 1   | 7.5   | <0.1 | <0.2 | 0.6 | <8  | 17.2  |
| BL 4-7  | Drill Core | 0.004 | <0.002 | 0.002  | -1.29 | 99.71 | 9   | <1  | 17.3 | <0.1 | 8.3  | <0.1 | <0.1 | 0.4 | <1  | 8.0   | <0.1 | <0.2 | 0.7 | <8  | 16.9  |
| BL 4-8  | Drill Core | 0.007 | <0.002 | <0.002 | -2.04 | 99.81 | 12  | 8   | 21.6 | <0.1 | 7.6  | 0.3  | <0.1 | 0.7 | <1  | 12.0  | <0.1 | 0.7  | 0.3 | 17  | 7.3   |
| BL 4-9  | Drill Core | 0.042 | <0.002 | <0.002 | 0.18  | 98.07 | 5   | 4   | 17.2 | <0.1 | 7.9  | 0.2  | <0.1 | 0.2 | <1  | 22.0  | <0.1 | <0.2 | 0.5 | <8  | 14.7  |
| BL 4-10 | Drill Core | 0.012 | <0.002 | <0.002 | 3.21  | 98.90 | 4   | <1  | 21.7 | <0.1 | 10.3 | 0.6  | 0.6  | 0.4 | 1   | 39.9  | <0.1 | 0.5  | 0.8 | 20  | 13.9  |
| BL 4-11 | Drill Core | 0.008 | <0.002 | <0.002 | 9.41  | 97.73 | 3   | <1  | 29.3 | <0.1 | 6.4  | <0.1 | <0.1 | 0.2 | <1  | 68.2  | <0.1 | <0.2 | 0.5 | <8  | 13.2  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: BACON LAKE  
 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

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| Method  | 4B         | 4B    | 4B   | 4B   | 4B    | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX  | 1DX   | 1DX  |     |
|---------|------------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-----|
| Analyte | Zr         | Y     | La   | Ce   | Pr    | Nd    | Sm   | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu   | Pb    | Zn   |     |
| Unit    | ppm        | ppm   | ppm  | ppm  | ppm   | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  |     |
| MDL     | 0.1        | 0.1   | 0.1  | 0.1  | 0.02  | 0.3   | 0.05 | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1  | 0.1   | 1    |     |
| BL 2-1  | Drill Core | 13.2  | 14.8 | 3.3  | 14.7  | 3.17  | 18.6 | 6.18  | 1.91  | 5.56  | 0.69  | 3.06  | 0.66  | 1.76  | 0.23  | 1.28  | 0.18  | 0.7  | 3098  | 1.3  | 77  |
| BL 2-2  | Drill Core | 79.8  | 16.0 | 34.8 | 51.1  | 5.34  | 17.4 | 3.88  | 2.28  | 3.30  | 0.49  | 2.40  | 0.66  | 1.69  | 0.24  | 1.86  | 0.28  | 2.1  | 552.7 | 1.1  | 74  |
| BL 2-3  | Drill Core | 97.2  | 11.4 | 9.1  | 15.5  | 1.96  | 8.4  | 1.99  | 0.69  | 2.25  | 0.31  | 2.06  | 0.42  | 1.14  | 0.16  | 1.28  | 0.21  | 2.8  | 638.8 | 1.8  | 65  |
| BL 2-4  | Drill Core | 74.3  | 14.9 | 9.5  | 17.7  | 2.42  | 11.3 | 2.65  | 1.93  | 2.82  | 0.44  | 2.84  | 0.56  | 1.78  | 0.24  | 1.93  | 0.25  | 1.4  | 295.7 | 1.0  | 97  |
| BL 2-5  | Drill Core | 4.9   | 1.3  | 0.3  | 0.3   | 0.05  | 0.6  | 0.09  | 0.08  | 0.21  | 0.02  | 0.17  | 0.03  | 0.09  | 0.02  | 0.28  | 0.03  | 9.9  | 2309  | 5.3  | 80  |
| BL 2-6  | Drill Core | 1.6   | 0.4  | <0.1 | 0.2   | <0.02 | <0.3 | <0.05 | <0.02 | 0.08  | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | 3.1  | 3563  | 2.4  | 139 |
| BL 2-7  | Drill Core | 0.8   | 0.5  | 0.2  | 0.2   | <0.02 | <0.3 | <0.05 | <0.02 | 0.05  | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | 0.01  | 2.2  | 2196  | 25.1 | 170 |
| BL 2-8  | Drill Core | 0.7   | 0.2  | 0.1  | <0.1  | <0.02 | <0.3 | <0.05 | <0.02 | 0.06  | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | 0.6  | 34.3  | 10.5 | 67  |
| BL 2-9  | Drill Core | 0.7   | 0.5  | 0.2  | <0.1  | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | 0.7  | 50.8  | 15.8 | 143 |
| BL 2-10 | Drill Core | 5.9   | 0.7  | 0.2  | 0.2   | <0.02 | <0.3 | 0.05  | 0.02  | 0.11  | 0.01  | 0.13  | 0.02  | 0.05  | <0.01 | <0.05 | <0.01 | 0.7  | 26.8  | 6.0  | 78  |
| BL 2-11 | Drill Core | 1.3   | 0.5  | 0.3  | 0.4   | 0.04  | <0.3 | <0.05 | 0.04  | 0.07  | <0.01 | 0.07  | <0.02 | 0.08  | <0.01 | <0.05 | <0.01 | 1.6  | 932.5 | 6.0  | 100 |
| BL 2-12 | Drill Core | 68.5  | 15.7 | 9.9  | 16.3  | 1.99  | 8.5  | 2.31  | 1.10  | 2.85  | 0.42  | 2.88  | 0.67  | 1.49  | 0.26  | 1.85  | 0.30  | 4.7  | 22.0  | 2.8  | 25  |
| BL 2-13 | Drill Core | 14.4  | 5.3  | 7.7  | 11.9  | 1.35  | 4.3  | 0.89  | 0.77  | 1.14  | 0.15  | 0.93  | 0.21  | 0.35  | 0.07  | 0.51  | 0.10  | 2.4  | 1036  | 4.9  | 66  |
| BL 3-1  | Drill Core | 13.3  | 3.0  | 0.4  | 0.8   | 0.12  | 0.8  | 0.27  | 0.20  | 0.34  | 0.07  | 0.51  | 0.16  | 0.37  | 0.08  | 0.56  | 0.10  | 2.0  | 19.2  | 1.6  | 91  |
| BL 3-2  | Drill Core | 15.9  | 3.7  | 1.1  | 2.0   | 0.24  | 1.2  | 0.33  | 0.22  | 0.63  | 0.08  | 0.71  | 0.13  | 0.27  | 0.06  | 0.43  | 0.08  | 1.8  | 242.8 | 1.7  | 106 |
| BL 3-3  | Drill Core | 12.6  | 3.1  | 0.6  | 1.1   | 0.15  | 0.3  | 0.29  | 0.26  | 0.47  | 0.07  | 0.53  | 0.11  | 0.34  | 0.05  | 0.32  | 0.07  | 1.4  | 416.5 | 2.1  | 135 |
| BL 3-4  | Drill Core | 1.6   | 2.2  | 0.1  | 0.3   | 0.07  | 0.3  | 0.16  | 0.18  | 0.16  | 0.04  | 0.27  | 0.05  | 0.22  | 0.03  | 0.32  | 0.04  | 1.0  | 61.7  | 1.1  | 352 |
| BL 3-5  | Drill Core | 3.8   | 2.0  | 1.1  | 0.7   | 0.11  | 0.4  | 0.15  | 0.17  | 0.31  | 0.05  | 0.32  | 0.06  | 0.16  | 0.04  | 0.25  | 0.05  | 1.5  | 55.4  | 1.3  | 268 |
| BL 3-6  | Drill Core | 1.9   | 2.1  | 0.3  | 0.6   | 0.09  | 0.3  | 0.14  | 0.22  | 0.26  | 0.05  | 0.25  | 0.07  | 0.22  | 0.04  | 0.35  | 0.04  | 0.9  | 54.5  | 0.9  | 187 |
| BL 4-1  | Drill Core | 61.2  | 33.1 | 78.1 | 119.6 | 13.45 | 49.7 | 14.65 | 2.08  | 11.23 | 1.52  | 7.96  | 1.46  | 3.38  | 0.60  | 3.99  | 0.57  | 0.1  | 917.3 | 0.8  | 39  |
| BL 4-2  | Drill Core | 89.1  | 26.1 | 48.4 | 77.4  | 8.05  | 27.2 | 5.40  | 2.63  | 5.69  | 0.83  | 4.53  | 1.00  | 3.13  | 0.47  | 3.45  | 0.62  | 0.2  | 11.5  | 0.5  | 63  |
| BL 4-3  | Drill Core | 108.7 | 16.5 | 12.7 | 19.3  | 2.41  | 9.4  | 2.15  | 2.53  | 2.60  | 0.42  | 2.79  | 0.64  | 1.70  | 0.27  | 1.80  | 0.31  | 5.4  | 1387  | 5.1  | 68  |
| BL 4-4  | Drill Core | 72.1  | 13.4 | 12.6 | 24.4  | 2.90  | 10.5 | 2.48  | 1.16  | 2.40  | 0.38  | 2.15  | 0.44  | 1.54  | 0.19  | 1.88  | 0.23  | 3.3  | 2279  | 9.1  | 85  |
| BL 4-5  | Drill Core | 4.2   | 3.2  | 5.6  | 7.3   | 0.73  | 1.7  | 0.42  | 0.39  | 0.58  | 0.07  | 0.40  | 0.11  | 0.34  | 0.06  | 0.32  | 0.05  | 0.8  | 1733  | 9.3  | 35  |
| BL 4-6  | Drill Core | 2.3   | 1.4  | 0.7  | 0.8   | 0.09  | 0.7  | 0.09  | 0.13  | 0.17  | 0.02  | 0.18  | 0.06  | 0.18  | 0.03  | 0.25  | 0.03  | 1.0  | 2254  | 1.2  | 71  |
| BL 4-7  | Drill Core | 2.1   | 2.1  | 0.5  | 0.9   | 0.10  | 0.3  | 0.09  | 0.19  | 0.14  | 0.03  | 0.27  | 0.07  | 0.30  | 0.03  | 0.30  | 0.06  | 0.9  | 283.3 | 0.8  | 41  |
| BL 4-8  | Drill Core | 1.7   | 1.6  | 0.3  | 0.5   | 0.04  | 0.7  | 0.12  | 0.06  | 0.30  | 0.03  | 0.18  | 0.03  | 0.15  | 0.02  | 0.06  | 0.04  | 0.8  | 572.2 | 7.1  | 64  |
| BL 4-9  | Drill Core | 7.4   | 3.5  | 3.6  | 3.9   | 0.32  | 1.2  | 0.32  | 0.22  | 0.48  | 0.08  | 0.61  | 0.09  | 0.40  | 0.04  | 0.43  | 0.06  | 1.5  | 2394  | 5.8  | 432 |
| BL 4-10 | Drill Core | 19.5  | 5.5  | 24.6 | 24.7  | 2.24  | 8.3  | 0.92  | 0.48  | 1.17  | 0.15  | 0.72  | 0.20  | 0.58  | 0.10  | 0.64  | 0.09  | 2.6  | 4209  | 1.6  | 122 |
| BL 4-11 | Drill Core | 2.2   | 0.8  | 0.5  | 0.4   | 0.08  | <0.3 | 0.13  | 0.13  | 0.16  | 0.02  | 0.11  | <0.02 | <0.03 | <0.01 | 0.10  | 0.02  | 73.6 | 3238  | 2.9  | 75  |

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Project: BACON LAKE  
 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | Analyte    | 1DX Ni | 1DX As | 1DX Cd | 1DX Sb | 1DX Bi | 1DX Ag | 1DX Au | 1DX Hg | 1DX Tl | 1DX Se |
|---------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Unit    | MDL        | ppm    | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    |
|         |            | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 0.5    | 0.01   | 0.1    | 0.1    | 0.5    |
| BL 2-1  | Drill Core | 3.9    | 82.8   | 0.9    | 0.3    | 0.7    | 2.0    | 32.1   | <0.01  | <0.1   | 1.8    |
| BL 2-2  | Drill Core | 3.0    | 24.5   | 0.5    | 0.4    | 0.2    | 0.7    | 2.2    | <0.01  | <0.1   | <0.5   |
| BL 2-3  | Drill Core | 5.9    | 8.9    | 0.5    | 0.2    | 0.2    | 0.5    | 29.4   | <0.01  | <0.1   | <0.5   |
| BL 2-4  | Drill Core | 9.6    | 7.5    | 0.6    | 0.3    | <0.1   | 0.2    | 1.2    | <0.01  | <0.1   | <0.5   |
| BL 2-5  | Drill Core | 5.0    | 64.6   | 0.3    | 0.5    | 1.3    | 1.1    | 12.5   | <0.01  | <0.1   | 2.7    |
| BL 2-6  | Drill Core | 2.9    | 32.3   | 1.6    | 0.6    | 1.8    | 3.5    | 19.4   | <0.01  | <0.1   | 1.2    |
| BL 2-7  | Drill Core | 5.4    | 52.5   | 2.3    | 0.9    | 1.1    | 2.7    | 6.0    | <0.01  | <0.1   | 2.7    |
| BL 2-8  | Drill Core | 0.5    | 24.4   | 0.2    | 0.6    | <0.1   | <0.1   | 0.9    | <0.01  | <0.1   | <0.5   |
| BL 2-9  | Drill Core | 0.6    | 14.4   | 1.2    | 0.5    | 0.1    | 0.1    | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 2-10 | Drill Core | 0.9    | 10.6   | 0.4    | 0.5    | 0.1    | <0.1   | 0.7    | <0.01  | <0.1   | <0.5   |
| BL 2-11 | Drill Core | 2.8    | 26.0   | 0.5    | 1.0    | 0.4    | 1.0    | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 2-12 | Drill Core | 7.6    | 7.3    | 0.2    | 0.3    | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 2-13 | Drill Core | 14.5   | 166.6  | 0.6    | 0.3    | 5.0    | 1.4    | 120.8  | <0.01  | <0.1   | 4.3    |
| BL 3-1  | Drill Core | 3.9    | 15.9   | 0.4    | 0.7    | 0.2    | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 3-2  | Drill Core | 4.9    | 17.7   | 0.3    | 0.9    | 0.2    | 0.1    | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 3-3  | Drill Core | 5.2    | 21.1   | 0.6    | 0.8    | 0.1    | 0.1    | 0.6    | <0.01  | <0.1   | <0.5   |
| BL 3-4  | Drill Core | 5.5    | 27.4   | 1.8    | 0.4    | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 3-5  | Drill Core | 6.4    | 41.1   | 1.7    | 0.6    | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| BL 3-6  | Drill Core | 5.8    | 38.2   | 0.9    | 0.3    | <0.1   | 0.1    | <0.5   | 0.01   | <0.1   | <0.5   |
| BL 4-1  | Drill Core | 11.2   | 79.2   | 0.2    | 0.3    | 0.2    | 0.6    | 102.9  | 0.03   | <0.1   | 0.7    |
| BL 4-2  | Drill Core | 2.7    | 7.5    | <0.1   | 0.1    | <0.1   | <0.1   | 9.7    | 0.03   | <0.1   | <0.5   |
| BL 4-3  | Drill Core | 8.2    | 74.7   | 0.2    | 0.4    | 0.5    | 1.0    | 35.0   | 0.05   | 0.2    | 2.8    |
| BL 4-4  | Drill Core | 11.9   | 197.0  | 0.1    | 0.2    | 1.8    | 5.4    | 290.5  | 0.09   | <0.1   | 2.0    |
| BL 4-5  | Drill Core | 8.2    | 241.8  | 0.3    | 0.3    | 0.7    | 1.7    | 71.4   | 0.02   | <0.1   | 1.6    |
| BL 4-6  | Drill Core | 5.8    | 131.0  | 0.6    | 0.3    | <0.1   | 1.4    | 438.4  | <0.01  | <0.1   | 1.0    |
| BL 4-7  | Drill Core | 5.7    | 117.2  | 0.2    | 0.2    | <0.1   | 0.2    | 30.0   | <0.01  | <0.1   | 0.7    |
| BL 4-8  | Drill Core | 5.1    | 45.5   | 0.2    | 0.4    | 0.1    | 0.5    | 73.5   | <0.01  | <0.1   | <0.5   |
| BL 4-9  | Drill Core | 11.8   | 90.9   | 2.5    | 0.5    | 0.7    | 2.4    | 1339   | 0.07   | <0.1   | <0.5   |
| BL 4-10 | Drill Core | 12.3   | 68.7   | 0.7    | 0.3    | 0.2    | 4.1    | 200.6  | 0.04   | <0.1   | 1.4    |
| BL 4-11 | Drill Core | 7.1    | 71.6   | 0.7    | 0.5    | 0.2    | 3.1    | 191.7  | 0.04   | <0.1   | 1.8    |



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 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  |        |
|---------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|--------|-------|--------|--------|
| Analyte | Wgt        | SiO2  | Al2O3 | Fe2O3 | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As     | Ba     | Co     | Cu     | Ni    | Pb     | S      | Sn    | Sr     |        |
| Unit    | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %      | %      | %     | %      |        |
| MDL     | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003  | 0.004  | 0.001  | 0.001  | 0.001 | 0.001  | 0.001  | 0.003 | 0.001  |        |
| BL 4-12 | Drill Core | 2.88  | 5.33  | 0.40  | 82.94 | 7.42  | 0.63  | 0.02  | 0.15  | <0.01 | 0.05  | 0.006  | <0.003 | <0.004 | 0.002  | 0.519 | 0.006  | <0.001 | 0.849 | <0.003 | 0.003  |
| BL 4-13 | Drill Core | 2.31  | 12.51 | 0.56  | 75.28 | 11.11 | 0.40  | 0.02  | 0.30  | <0.01 | 0.06  | <0.004 | 0.011  | 0.006  | <0.001 | 0.154 | 0.003  | <0.001 | 0.294 | <0.003 | <0.001 |
| BL 4-14 | Drill Core | 2.50  | 18.90 | 1.07  | 59.53 | 18.92 | 0.32  | <0.01 | 0.43  | <0.01 | 0.03  | <0.004 | 0.018  | <0.004 | <0.001 | 0.037 | 0.002  | <0.001 | 0.169 | 0.005  | <0.001 |
| BL 4-15 | Drill Core | 2.02  | 29.17 | 2.38  | 35.97 | 27.68 | 0.43  | <0.01 | 0.67  | 0.02  | 0.02  | 0.005  | 0.027  | <0.004 | <0.001 | 0.044 | <0.001 | <0.001 | 0.300 | 0.004  | <0.001 |
| BL 4-16 | Drill Core | 2.86  | 21.98 | 1.45  | 50.57 | 21.99 | 0.37  | <0.01 | 0.48  | <0.01 | 0.04  | <0.004 | 0.019  | <0.004 | <0.001 | 0.026 | <0.001 | <0.001 | 0.120 | <0.003 | <0.001 |
| BL 4-17 | Drill Core | 2.53  | 19.23 | 0.96  | 53.43 | 21.97 | 0.28  | <0.01 | 0.41  | <0.01 | 0.05  | <0.004 | 0.017  | <0.004 | <0.001 | 0.067 | 0.002  | <0.001 | 0.273 | <0.003 | <0.001 |
| BL 4-18 | Drill Core | 3.17  | 9.13  | 0.90  | 81.28 | 6.20  | 0.98  | 0.01  | 0.20  | 0.01  | 0.04  | 0.010  | <0.003 | <0.004 | 0.005  | 0.268 | 0.006  | <0.001 | 1.663 | <0.003 | <0.001 |
| BL 4-19 | Drill Core | 2.11  | 20.76 | 0.99  | 48.31 | 22.10 | 0.39  | <0.01 | 0.47  | 0.01  | 0.02  | 0.005  | <0.003 | <0.004 | <0.001 | 0.255 | 0.003  | <0.001 | 0.808 | <0.003 | <0.001 |
| BL 4-20 | Drill Core | 1.21  | 21.85 | 7.54  | 45.04 | 10.31 | 4.23  | <0.01 | 0.48  | 0.37  | 0.08  | 0.010  | <0.003 | <0.004 | 0.012  | 0.189 | 0.010  | <0.001 | 6.370 | <0.003 | 0.018  |
| BL 4-21 | Drill Core | 1.80  | 26.70 | 1.05  | 43.16 | 24.11 | 0.22  | 0.02  | 0.70  | 0.08  | 0.05  | 0.012  | <0.003 | <0.004 | 0.009  | 0.113 | 0.013  | <0.001 | 5.385 | <0.003 | 0.003  |
| BL 4-22 | Drill Core | 1.36  | 12.08 | 1.43  | 56.24 | 11.13 | 0.64  | <0.01 | 0.24  | 0.02  | 0.05  | 0.020  | <0.003 | <0.004 | 0.014  | 0.256 | 0.018  | <0.001 | >10   | <0.003 | <0.001 |
| BL 4-23 | Drill Core | 2.93  | 24.02 | 1.31  | 42.16 | 19.59 | 1.03  | 0.01  | 0.51  | 0.07  | 0.05  | 0.027  | <0.003 | <0.004 | 0.006  | 0.068 | 0.021  | 0.001  | >10   | <0.003 | 0.002  |
| BL 4-24 | Drill Core | 1.46  | 33.55 | 15.56 | 19.54 | 19.66 | 0.99  | 0.01  | 0.19  | 2.09  | 0.18  | 0.029  | <0.003 | <0.004 | 0.005  | 0.025 | 0.006  | <0.001 | 5.354 | <0.003 | 0.078  |
| BL 6-1  | Drill Core | 1.46  | 15.44 | 5.66  | 59.41 | 6.55  | 2.49  | 0.15  | 0.55  | 0.15  | 0.09  | 0.007  | 0.010  | 0.008  | 0.014  | 0.200 | 0.003  | 0.019  | 5.694 | <0.003 | 0.009  |
| BL 6-2  | Drill Core | 2.63  | 5.55  | 0.66  | 81.38 | 0.76  | 0.22  | 0.01  | 0.10  | 0.06  | 0.06  | 0.012  | 0.044  | <0.004 | 0.029  | 0.174 | 0.014  | <0.001 | >10   | <0.003 | <0.001 |
| BL 6-3  | Drill Core | 1.90  | 8.33  | 1.23  | 73.68 | 1.52  | 0.43  | 0.01  | 0.13  | 0.09  | 0.06  | 0.012  | 0.056  | <0.004 | 0.033  | 0.250 | 0.009  | 0.001  | >10   | <0.003 | 0.003  |
| BL 6-4  | Drill Core | 1.17  | 15.05 | 1.93  | 62.88 | 10.78 | 1.03  | <0.01 | 0.38  | 0.07  | 0.06  | 0.005  | 0.006  | <0.004 | 0.003  | 0.133 | 0.001  | 0.003  | 1.061 | <0.003 | 0.005  |
| BL 6-5  | Drill Core | 0.77  | 29.93 | 6.82  | 22.81 | 26.54 | 1.41  | <0.01 | 2.89  | 0.36  | 0.15  | 0.005  | 0.004  | <0.004 | 0.001  | 0.053 | 0.005  | 0.020  | 0.287 | <0.003 | 0.019  |
| BL 6-6  | Drill Core | 0.70  | 18.71 | 1.98  | 50.90 | 14.65 | 1.63  | <0.01 | 1.71  | 0.03  | 0.05  | 0.006  | <0.003 | <0.004 | 0.002  | 0.129 | 0.006  | 0.016  | 2.524 | <0.003 | 0.007  |
| BL 6-7  | Drill Core | 2.03  | 31.66 | 10.53 | 28.87 | 19.04 | 3.62  | 0.02  | 0.93  | 0.50  | 0.16  | 0.008  | <0.003 | <0.004 | 0.002  | 0.009 | 0.005  | 0.003  | 0.128 | <0.003 | 0.029  |
| BL 6-8  | Drill Core | 1.85  | 38.54 | 14.26 | 12.19 | 23.20 | 3.74  | 0.03  | 0.82  | 0.61  | 0.16  | 0.012  | <0.003 | <0.004 | <0.001 | 0.005 | 0.005  | <0.001 | 0.060 | <0.003 | 0.050  |
| BL 6-9  | Drill Core | 1.26  | 15.30 | 3.21  | 66.27 | 12.62 | 0.82  | <0.01 | 0.42  | 0.15  | 0.07  | 0.009  | 0.015  | <0.004 | <0.003 | 0.022 | 0.005  | <0.001 | 0.330 | <0.003 | 0.004  |
| BL 6-10 | Drill Core | 1.65  | 10.60 | 1.90  | 77.52 | 8.79  | 0.42  | <0.01 | 0.32  | 0.05  | 0.07  | <0.004 | 0.018  | <0.004 | 0.002  | 0.028 | 0.005  | <0.001 | 1.255 | <0.003 | <0.001 |
| BL 6-11 | Drill Core | 2.63  | 10.57 | 0.57  | 80.94 | 9.25  | 0.21  | <0.01 | 0.27  | <0.01 | 0.01  | <0.004 | 0.013  | <0.004 | 0.001  | 0.008 | 0.009  | <0.001 | 0.188 | <0.003 | <0.001 |
| BL 6-12 | Drill Core | 2.98  | 5.22  | 0.26  | 92.64 | 3.00  | 0.76  | 0.02  | 0.24  | 0.02  | 0.03  | 0.004  | <0.003 | <0.004 | 0.003  | 0.007 | 0.004  | <0.001 | 0.086 | <0.003 | <0.001 |
| BL 6-13 | Drill Core | 2.93  | 9.92  | 0.55  | 83.48 | 6.10  | 1.52  | 0.02  | 0.32  | <0.01 | 0.03  | <0.004 | <0.003 | <0.004 | 0.002  | 0.012 | 0.002  | <0.001 | 0.173 | <0.003 | <0.001 |
| BL 6-14 | Drill Core | 1.12  | 48.22 | 2.92  | 9.55  | 20.81 | 1.65  | <0.01 | 0.22  | <0.01 | 0.01  | 0.005  | 0.012  | <0.004 | <0.001 | 0.012 | 0.002  | <0.001 | 0.512 | <0.003 | 0.003  |
| BL 6-15 | Drill Core | 2.07  | 32.52 | 4.71  | 29.65 | 26.85 | 0.35  | <0.01 | 0.46  | 0.65  | 0.10  | 0.010  | 0.031  | <0.004 | 0.001  | 0.053 | 0.003  | 0.001  | 0.899 | <0.003 | 0.012  |
| BL 6-16 | Drill Core | 1.26  | 40.03 | 14.20 | 15.70 | 22.80 | 0.67  | 0.01  | 0.43  | 1.83  | 0.16  | 0.034  | <0.003 | 0.004  | <0.001 | 0.015 | 0.004  | 0.002  | 0.123 | <0.003 | 0.059  |
| BL 6-17 | Drill Core | 1.68  | 42.34 | 15.58 | 14.08 | 20.30 | 1.52  | 0.05  | 0.36  | 1.82  | 0.16  | 0.035  | <0.003 | <0.004 | 0.004  | 0.034 | 0.010  | 0.002  | 1.439 | <0.003 | 0.043  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 4XIFe      | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4B    | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  |      |
|---------|------------|-------|--------|--------|-------|-------|-----|-----|-------|------|------|------|------|------|-----|-------|------|------|------|-----|------|
| Analyte | Zn         | Zr    | V2O5   | LOI    | SUM   | Ba    | Be  | Co  | Cs    | Ga   | Hf   | Nb   | Rb   | Sn   | Sr  | Ta    | Th   | U    | V    | W   |      |
| Unit    | %          | %     | %      | %      | %     | ppm   | ppm | ppm | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm  | ppm |      |
| MDL     | 0.001      | 0.002 | 0.002  | -5.11  | 0.01  | 1     | 1   | 0.2 | 0.1   | 0.5  | 0.1  | 0.1  | 0.1  | 0.1  | 0.5 | 0.1   | 0.2  | 0.1  | 8    | 0.5 |      |
| BL 4-12 | Drill Core | 0.010 | <0.002 | <0.002 | 0.17  | 98.64 | 7   | <1  | 36.5  | <0.1 | 5.4  | <0.1 | <0.1 | 0.7  | <1  | 21.3  | <0.1 | <0.2 | 0.4  | <8  | 45.1 |
| BL 4-13 | Drill Core | 0.006 | <0.002 | <0.002 | -1.45 | 99.31 | 9   | 4   | 24.9  | <0.1 | 4.2  | 0.1  | <0.1 | 0.7  | <1  | 9.4   | <0.1 | 0.2  | 0.4  | 9   | 59.6 |
| BL 4-14 | Drill Core | 0.003 | <0.002 | <0.002 | 0.57  | 100.0 | 3   | 4   | 13.3  | <0.1 | 5.1  | <0.1 | <0.1 | 0.2  | <1  | 12.6  | <0.1 | <0.2 | 0.4  | <8  | 21.2 |
| BL 4-15 | Drill Core | 0.233 | <0.002 | <0.002 | 0.99  | 98.04 | 4   | 1   | 7.5   | <0.1 | 5.7  | 0.1  | <0.1 | 0.2  | <1  | 19.6  | <0.1 | <0.2 | 0.5  | 19  | 31.1 |
| BL 4-16 | Drill Core | 0.035 | <0.002 | <0.002 | 0.24  | 97.34 | 2   | <1  | 12.7  | <0.1 | 5.7  | <0.1 | <0.1 | <0.1 | <1  | 18.4  | <0.1 | <0.2 | 0.4  | 10  | 22.9 |
| BL 4-17 | Drill Core | 0.024 | <0.002 | <0.002 | 1.14  | 97.88 | 3   | <1  | 19.0  | <0.1 | 5.8  | <0.1 | <0.1 | 0.1  | <1  | 25.9  | <0.1 | <0.2 | 0.4  | 13  | 36.4 |
| BL 4-18 | Drill Core | 0.447 | <0.002 | <0.002 | -2.23 | 99.08 | 4   | 2   | 49.4  | <0.1 | 6.9  | <0.1 | 3.5  | 0.3  | <1  | 24.1  | 0.2  | 0.4  | 0.6  | 23  | 29.1 |
| BL 4-19 | Drill Core | 0.160 | <0.002 | <0.002 | -0.18 | 94.21 | 3   | <1  | 12.1  | <0.1 | 8.5  | <0.1 | <0.1 | 0.2  | 2   | 41.3  | <0.1 | <0.2 | 1.2  | 16  | 11.7 |
| BL 4-20 | Drill Core | 0.096 | <0.002 | 0.017  | 4.40  | 101.0 | 2   | <1  | 105.0 | <0.1 | 14.2 | 0.8  | <0.1 | <0.1 | <1  | 204.5 | <0.1 | 0.4  | 0.6  | 131 | 1.7  |
| BL 4-21 | Drill Core | 0.062 | <0.002 | <0.002 | 1.89  | 103.5 | <1  | <1  | 68.3  | <0.1 | 9.0  | <0.1 | <0.1 | <0.1 | 1   | 13.5  | <0.1 | <0.2 | 1.1  | 15  | 11.8 |
| BL 4-22 | Drill Core | 0.014 | <0.002 | <0.002 | 15.66 | 119.8 | <1  | <1  | 109.1 | <0.1 | 6.9  | <0.1 | 2.9  | <0.1 | <1  | 24.9  | <0.1 | 0.4  | 0.4  | 27  | 8.2  |
| BL 4-23 | Drill Core | 0.068 | <0.002 | 0.002  | 9.49  | 112.1 | <1  | <1  | 52.4  | <0.1 | 6.9  | 0.1  | <0.1 | 0.2  | 1   | 34.5  | <0.1 | <0.2 | 1.3  | 39  | 3.7  |
| BL 4-24 | Drill Core | 0.016 | <0.002 | 0.058  | 3.24  | 100.6 | 6   | <1  | 40.1  | <0.1 | 29.4 | 3.1  | 8.8  | 0.1  | 7   | 897.1 | 0.4  | 0.9  | 2.7  | 395 | 0.8  |
| BL 6-1  | Drill Core | 0.430 | <0.002 | 0.003  | 4.48  | 101.5 | 27  | <1  | 132.6 | <0.1 | 9.3  | 0.8  | 0.2  | 3.2  | <1  | 140.7 | <0.1 | 0.7  | 0.6  | 61  | 54.7 |
| BL 6-2  | Drill Core | 0.013 | <0.002 | <0.002 | 12.92 | 122.2 | 6   | <1  | 280.4 | <0.1 | 2.9  | 0.2  | <0.1 | 0.5  | <1  | 8.2   | <0.1 | <0.2 | 0.3  | 10  | 34.3 |
| BL 6-3  | Drill Core | 0.022 | <0.002 | <0.002 | 15.39 | 121.6 | 10  | <1  | 299.0 | 0.1  | 3.3  | 0.2  | <0.1 | 0.6  | <1  | 11.7  | <0.1 | <0.2 | 0.4  | 12  | 6.2  |
| BL 6-4  | Drill Core | 0.259 | <0.002 | 0.006  | 0.26  | 94.03 | 9   | <1  | 37.6  | <0.1 | 7.9  | 0.1  | <0.1 | 0.3  | <1  | 67.4  | <0.1 | <0.2 | 0.6  | 33  | 4.2  |
| BL 6-5  | Drill Core | 0.228 | <0.002 | 0.017  | 4.05  | 95.67 | 3   | <1  | 15.2  | <0.1 | 9.6  | 0.6  | 0.2  | <0.1 | <1  | 190.3 | <0.1 | 0.4  | 0.8  | 123 | 1.9  |
| BL 6-6  | Drill Core | 0.464 | <0.002 | 0.004  | 0.61  | 93.58 | 4   | 6   | 31.4  | <0.1 | 9.1  | 0.1  | <0.1 | 0.1  | <1  | 98.1  | <0.1 | <0.2 | 0.5  | 40  | <0.5 |
| BL 6-7  | Drill Core | 0.178 | <0.002 | 0.027  | 1.37  | 97.13 | 4   | 1   | 21.3  | <0.1 | 10.3 | 1.2  | 0.5  | <0.1 | <1  | 376.1 | <0.1 | 0.7  | 1.1  | 155 | 1.5  |
| BL 6-8  | Drill Core | 0.020 | <0.002 | 0.032  | 2.78  | 96.52 | 11  | <1  | 9.9   | <0.1 | 13.4 | 1.4  | 0.4  | 0.4  | <1  | 549.8 | <0.1 | 0.7  | 0.9  | 218 | 1.1  |
| BL 6-9  | Drill Core | 0.186 | <0.002 | 0.008  | -0.27 | 99.24 | 3   | <1  | 36.3  | <0.1 | 8.1  | 0.3  | <0.1 | <0.1 | <1  | 50.2  | <0.1 | 0.3  | 1.3  | 64  | 2.7  |
| BL 6-10 | Drill Core | 0.143 | <0.002 | <0.002 | -1.62 | 99.53 | 5   | <1  | 20.9  | <0.1 | 8.4  | 0.2  | <0.1 | 0.2  | <1  | 29.1  | <0.1 | <0.2 | 0.9  | 45  | 3.4  |
| BL 6-11 | Drill Core | 0.028 | <0.002 | <0.002 | -2.15 | 99.91 | 5   | <1  | 21.8  | <0.1 | 5.3  | <0.1 | <0.1 | 0.3  | <1  | 11.1  | <0.1 | <0.2 | 0.7  | 10  | 67.1 |
| BL 6-12 | Drill Core | 0.115 | <0.002 | <0.002 | -2.58 | 99.83 | 13  | 2   | 23.1  | <0.1 | 4.6  | <0.1 | <0.1 | 0.5  | <1  | 8.8   | <0.1 | <0.2 | 0.7  | 11  | 66.4 |
| BL 6-13 | Drill Core | 0.055 | <0.002 | <0.002 | -2.23 | 99.94 | 7   | <1  | 22.2  | <0.1 | 5.6  | <0.1 | <0.1 | 0.3  | <1  | 12.3  | <0.1 | <0.2 | 0.6  | <8  | 31.4 |
| BL 6-14 | Drill Core | 0.015 | <0.002 | 0.003  | 7.41  | 91.37 | <1  | <1  | 5.5   | <0.1 | 6.8  | <0.1 | <0.1 | <0.1 | <1  | 39.0  | <0.1 | <0.2 | <0.1 | 33  | 2.1  |
| BL 6-15 | Drill Core | 1.072 | <0.002 | 0.022  | -1.15 | 96.53 | 2   | <1  | 18.8  | <0.1 | 7.8  | 1.1  | 2.8  | <0.1 | 2   | 150.5 | 0.2  | 0.2  | 1.7  | 136 | 11.6 |
| BL 6-16 | Drill Core | 0.186 | 0.005  | 0.063  | 2.65  | 99.04 | 5   | <1  | 3.3   | <0.1 | 19.7 | 2.8  | 5.9  | 0.5  | 5   | 650.6 | 0.4  | 0.9  | 1.8  | 365 | 1.9  |
| BL 6-17 | Drill Core | 0.031 | 0.003  | 0.058  | 1.56  | 99.45 | 10  | <1  | 41.6  | 0.1  | 21.8 | 2.7  | 11.3 | 1.0  | 3   | 481.1 | 0.9  | 0.9  | 0.5  | 351 | <0.5 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 Report Date: May 04, 2012

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Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 4B         | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX  | 1DX   | 1DX   |      |
|---------|------------|-------|------|------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| Analyte | Zr         | Y     | La   | Ce   | Pr   | Nd   | Sm   | Eu    | Gd   | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu   | Pb    | Zn    |      |
| Unit    | ppm        | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   |      |
| MDL     | 0.1        | 0.1   | 0.1  | 0.1  | 0.02 | 0.3  | 0.05 | 0.02  | 0.05 | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1  | 0.1   | 1     |      |
| BL 4-12 | Drill Core | 1.1   | 0.7  | 1.2  | 0.7  | 0.12 | 0.6  | 0.06  | 0.09 | 0.08  | 0.01  | <0.05 | <0.02 | 0.04  | <0.01 | <0.05 | 0.02  | 6.5  | 5615  | 1.9   | 102  |
| BL 4-13 | Drill Core | 2.3   | 1.8  | 2.1  | 1.0  | 0.09 | 0.6  | 0.14  | 0.08 | 0.18  | 0.02  | 0.13  | 0.04  | 0.17  | 0.02  | 0.14  | 0.03  | 3.8  | 1678  | 1.2   | 55   |
| BL 4-14 | Drill Core | 1.1   | 2.1  | 0.6  | 0.5  | 0.07 | <0.3 | 0.20  | 0.14 | 0.25  | 0.05  | 0.22  | 0.10  | 0.22  | 0.03  | 0.22  | 0.07  | 4.5  | 366.3 | 0.5   | 33   |
| BL 4-15 | Drill Core | 2.3   | 5.1  | 0.5  | 0.7  | 0.11 | 1.0  | 0.44  | 0.32 | 0.61  | 0.12  | 0.78  | 0.19  | 0.61  | 0.09  | 0.62  | 0.10  | 2.2  | 424.0 | 5.1   | 2044 |
| BL 4-16 | Drill Core | 1.6   | 3.0  | 0.4  | 0.8  | 0.09 | 0.5  | 0.29  | 0.24 | 0.46  | 0.08  | 0.53  | 0.11  | 0.39  | 0.05  | 0.39  | 0.07  | 2.9  | 239.2 | 2.6   | 311  |
| BL 4-17 | Drill Core | 1.1   | 3.0  | 0.8  | 1.0  | 0.11 | 0.3  | 0.26  | 0.24 | 0.29  | 0.07  | 0.35  | 0.11  | 0.40  | 0.06  | 0.44  | 0.08  | 4.0  | 668.8 | 1.2   | 220  |
| BL 4-18 | Drill Core | 2.8   | 1.3  | 1.7  | 2.7  | 0.29 | 0.8  | 0.17  | 0.13 | 0.21  | 0.04  | 0.18  | 0.04  | 0.11  | 0.02  | 0.13  | 0.03  | 1.2  | 2641  | 3.1   | 3642 |
| BL 4-19 | Drill Core | 1.6   | 1.6  | 1.2  | 2.0  | 0.28 | 1.0  | 0.19  | 0.22 | 0.23  | 0.04  | 0.24  | 0.08  | 0.21  | 0.03  | 0.14  | 0.05  | 0.9  | 2752  | 2.5   | 1399 |
| BL 4-20 | Drill Core | 25.5  | 9.3  | 2.7  | 5.9  | 0.92 | 3.4  | 1.08  | 0.53 | 1.14  | 0.24  | 1.21  | 0.31  | 0.95  | 0.13  | 0.80  | 0.16  | 3.9  | 1971  | 13.4  | 893  |
| BL 4-21 | Drill Core | 4.2   | 2.7  | 3.9  | 6.6  | 0.79 | 2.4  | 0.63  | 0.38 | 0.57  | 0.09  | 0.58  | 0.10  | 0.23  | 0.05  | 0.27  | 0.04  | 1.4  | 1320  | 1.3   | 594  |
| BL 4-22 | Drill Core | 1.7   | 2.2  | 4.4  | 6.3  | 0.62 | 1.7  | 0.36  | 0.20 | 0.39  | 0.06  | 0.36  | 0.09  | 0.20  | 0.04  | 0.23  | 0.05  | 3.7  | 3041  | 7.0   | 155  |
| BL 4-23 | Drill Core | 5.5   | 3.5  | 4.7  | 6.9  | 0.72 | 2.5  | 0.55  | 0.32 | 0.56  | 0.10  | 0.47  | 0.14  | 0.42  | 0.05  | 0.35  | 0.06  | 7.5  | 760.4 | 3.2   | 678  |
| BL 4-24 | Drill Core | 118.9 | 30.1 | 18.0 | 34.6 | 4.52 | 19.6 | 5.35  | 2.82 | 5.99  | 1.05  | 5.48  | 1.12  | 3.48  | 0.45  | 2.94  | 0.45  | 4.1  | 294.1 | 5.4   | 169  |
| BL 6-1  | Drill Core | 26.7  | 4.7  | 3.8  | 5.4  | 0.69 | 2.7  | 0.72  | 0.22 | 0.82  | 0.14  | 0.66  | 0.18  | 0.57  | 0.07  | 0.54  | 0.09  | 31.7 | 2196  | 184.0 | 3567 |
| BL 6-2  | Drill Core | 4.5   | 1.8  | 1.2  | 1.4  | 0.22 | 0.8  | 0.23  | 0.05 | 0.30  | 0.05  | 0.25  | 0.07  | 0.18  | 0.02  | 0.10  | 0.04  | 13.5 | 2105  | 11.5  | 153  |
| BL 6-3  | Drill Core | 11.4  | 2.5  | 0.8  | 1.1  | 0.15 | 1.1  | 0.31  | 0.09 | 0.44  | 0.08  | 0.49  | 0.13  | 0.30  | 0.05  | 0.30  | 0.05  | 30.0 | 3245  | 12.4  | 258  |
| BL 6-4  | Drill Core | 4.4   | 2.8  | 0.5  | 0.9  | 0.18 | 0.5  | 0.34  | 0.14 | 0.33  | 0.08  | 0.49  | 0.12  | 0.25  | 0.04  | 0.28  | 0.05  | 0.9  | 1430  | 37.9  | 2128 |
| BL 6-5  | Drill Core | 27.3  | 11.0 | 7.4  | 10.7 | 1.19 | 5.1  | 1.73  | 0.63 | 1.85  | 0.34  | 1.80  | 0.44  | 1.27  | 0.16  | 1.26  | 0.16  | 0.5  | 484.3 | 184.5 | 1938 |
| BL 6-6  | Drill Core | 2.9   | 1.2  | 0.6  | 0.6  | 0.11 | <0.3 | 0.11  | 0.22 | 0.16  | 0.03  | 0.18  | 0.04  | 0.16  | 0.01  | 0.10  | 0.03  | 0.8  | 1357  | 147.0 | 3882 |
| BL 6-7  | Drill Core | 38.7  | 13.2 | 3.8  | 7.6  | 1.16 | 5.9  | 1.70  | 0.50 | 1.98  | 0.37  | 2.30  | 0.51  | 1.45  | 0.21  | 1.45  | 0.22  | 0.7  | 61.6  | 33.0  | 1536 |
| BL 6-8  | Drill Core | 41.8  | 15.2 | 4.8  | 8.8  | 1.26 | 7.0  | 2.02  | 0.77 | 2.41  | 0.45  | 2.70  | 0.57  | 1.77  | 0.25  | 1.43  | 0.28  | 0.6  | 14.7  | 2.8   | 166  |
| BL 6-9  | Drill Core | 12.0  | 5.8  | 10.1 | 12.5 | 1.17 | 3.7  | 0.93  | 0.37 | 0.99  | 0.16  | 0.90  | 0.24  | 0.59  | 0.07  | 0.53  | 0.09  | 0.6  | 194.5 | 4.2   | 1496 |
| BL 6-10 | Drill Core | 4.1   | 2.8  | 0.7  | 0.9  | 0.17 | 0.5  | 0.40  | 0.27 | 0.59  | 0.09  | 0.59  | 0.11  | 0.32  | 0.05  | 0.22  | 0.04  | 0.9  | 299.6 | 6.0   | 1140 |
| BL 6-11 | Drill Core | 1.0   | 1.3  | 0.9  | 0.7  | 0.10 | 0.6  | 0.13  | 0.12 | 0.16  | 0.03  | 0.17  | 0.04  | 0.17  | 0.03  | 0.09  | 0.02  | 2.1  | 84.3  | 5.1   | 233  |
| BL 6-12 | Drill Core | 1.5   | 0.4  | 0.6  | 0.5  | 0.04 | <0.3 | <0.05 | 0.03 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | 0.01  | 1.6  | 25.3  | 4.2   | 965  |
| BL 6-13 | Drill Core | 0.7   | 0.3  | 0.7  | 0.5  | 0.07 | <0.3 | 0.08  | 0.06 | <0.05 | <0.01 | <0.05 | 0.03  | 0.05  | <0.01 | <0.05 | <0.01 | 2.0  | 64.0  | 4.6   | 452  |
| BL 6-14 | Drill Core | 1.0   | 1.1  | 0.6  | 0.4  | 0.05 | <0.3 | 0.08  | 0.06 | 0.14  | 0.02  | 0.08  | 0.03  | 0.09  | 0.01  | 0.07  | 0.02  | 1.9  | 117.1 | 4.0   | 131  |
| BL 6-15 | Drill Core | 38.8  | 14.0 | 20.1 | 20.4 | 1.89 | 7.3  | 1.72  | 0.84 | 2.05  | 0.39  | 2.12  | 0.46  | 1.59  | 0.21  | 1.52  | 0.25  | 2.6  | 621.9 | 9.2   | 9765 |
| BL 6-16 | Drill Core | 108.5 | 32.4 | 83.0 | 74.7 | 6.25 | 23.2 | 5.02  | 2.16 | 6.26  | 0.93  | 6.24  | 1.34  | 3.80  | 0.51  | 3.73  | 0.55  | 3.8  | 157.7 | 4.4   | 1765 |
| BL 6-17 | Drill Core | 108.1 | 24.7 | 10.3 | 21.5 | 3.20 | 15.6 | 3.96  | 1.93 | 4.74  | 0.84  | 4.70  | 0.98  | 2.80  | 0.37  | 2.30  | 0.36  | 1.8  | 368.6 | 13.4  | 291  |

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Project: BACON LAKE  
 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 1DX        | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|---------|------------|------|-------|------|------|------|------|-------|-------|------|------|
| Analyte | Ni         | As   | Cd    | Sb   | Bi   | Ag   | Au   | Hg    | Tl    | Se   |      |
| Unit    | ppm        | ppm  | ppm   | ppm  | ppm  | ppm  | ppb  | ppm   | ppm   | ppm  | ppm  |
| MDL     | 0.1        | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1   | 0.5  |      |
| BL 4-12 | Drill Core | 7.2  | 47.9  | 0.8  | 0.6  | 0.3  | 4.7  | 285.2 | 0.04  | <0.1 | 2.2  |
| BL 4-13 | Drill Core | 5.7  | 103.9 | 0.2  | 0.3  | 0.2  | 0.7  | 248.4 | <0.01 | <0.1 | <0.5 |
| BL 4-14 | Drill Core | 4.6  | 162.4 | 0.1  | 0.1  | 0.1  | 0.4  | 67.8  | <0.01 | <0.1 | <0.5 |
| BL 4-15 | Drill Core | 2.3  | 186.4 | 10.9 | <0.1 | 1.0  | 0.9  | 5.7   | 0.14  | <0.1 | 1.0  |
| BL 4-16 | Drill Core | 3.4  | 137.8 | 1.8  | 0.1  | 0.2  | 0.4  | 7.2   | <0.01 | <0.1 | <0.5 |
| BL 4-17 | Drill Core | 4.2  | 151.0 | 1.5  | 0.2  | 0.4  | 0.8  | 14.3  | 0.01  | <0.1 | 1.0  |
| BL 4-18 | Drill Core | 9.9  | 32.8  | 27.0 | 0.3  | 1.8  | 2.1  | 138.2 | 0.12  | <0.1 | 3.6  |
| BL 4-19 | Drill Core | 5.8  | 44.0  | 9.7  | <0.1 | 1.2  | 4.1  | 30.2  | 0.09  | <0.1 | 2.1  |
| BL 4-20 | Drill Core | 11.8 | 42.7  | 7.9  | <0.1 | 4.6  | 3.8  | 46.5  | 0.07  | <0.1 | 4.4  |
| BL 4-21 | Drill Core | 7.5  | 80.8  | 4.7  | 0.1  | 1.0  | 1.6  | 31.8  | 0.04  | <0.1 | 3.0  |
| BL 4-22 | Drill Core | 19.9 | 118.8 | 1.1  | <0.1 | 0.8  | 3.2  | 96.1  | 0.02  | <0.1 | 11.0 |
| BL 4-23 | Drill Core | 18.8 | 51.2  | 4.3  | 0.1  | 2.1  | 1.1  | 57.1  | 0.03  | <0.1 | 4.9  |
| BL 4-24 | Drill Core | 38.1 | 31.0  | 1.7  | 0.5  | 1.2  | 0.9  | 27.0  | 0.03  | <0.1 | 2.2  |
| BL 6-1  | Drill Core | 15.2 | 131.5 | 31.4 | 0.4  | 10.0 | 8.5  | 119.6 | 0.06  | <0.1 | 7.3  |
| BL 6-2  | Drill Core | 20.5 | 580.6 | 1.4  | 0.6  | 1.8  | 2.4  | 203.0 | 0.06  | 0.3  | 6.6  |
| BL 6-3  | Drill Core | 21.3 | 741.6 | 1.5  | 0.7  | 2.3  | 4.0  | 148.0 | 0.09  | 0.4  | 5.5  |
| BL 6-4  | Drill Core | 8.0  | 82.9  | 15.3 | 1.0  | 1.2  | 3.2  | 22.4  | 0.14  | <0.1 | 1.7  |
| BL 6-5  | Drill Core | 20.3 | 19.4  | 10.0 | 0.2  | 2.1  | 1.5  | 8.2   | 0.05  | <0.1 | 1.1  |
| BL 6-6  | Drill Core | 28.3 | 23.1  | 28.3 | 0.4  | 2.7  | 2.6  | 23.1  | 0.06  | <0.1 | 6.0  |
| BL 6-7  | Drill Core | 15.6 | 13.9  | 9.6  | 0.4  | 0.4  | 0.3  | 12.2  | 0.02  | <0.1 | 1.3  |
| BL 6-8  | Drill Core | 11.0 | 32.0  | 0.7  | 0.4  | <0.1 | <0.1 | 3.5   | 0.05  | <0.1 | <0.5 |
| BL 6-9  | Drill Core | 16.2 | 161.5 | 10.4 | 6.2  | 0.3  | 0.3  | 5.6   | 0.10  | <0.1 | 0.5  |
| BL 6-10 | Drill Core | 22.1 | 228.2 | 8.5  | 1.7  | 0.9  | 0.6  | 6.5   | 0.34  | <0.1 | 0.9  |
| BL 6-11 | Drill Core | 6.1  | 131.8 | 1.2  | 0.5  | 0.3  | 0.2  | 2.2   | <0.01 | <0.1 | 1.0  |
| BL 6-12 | Drill Core | 3.9  | 29.7  | 5.9  | 0.8  | 0.3  | 0.1  | 2.4   | 0.01  | <0.1 | <0.5 |
| BL 6-13 | Drill Core | 5.5  | 64.3  | 2.5  | 0.5  | 0.3  | 0.2  | 2.3   | 0.02  | <0.1 | <0.5 |
| BL 6-14 | Drill Core | 3.6  | 179.2 | 0.5  | 1.3  | 0.1  | 0.3  | 62.2  | 0.36  | <0.1 | 1.0  |
| BL 6-15 | Drill Core | 11.0 | 233.8 | 62.0 | 0.2  | 1.8  | 1.2  | 12.9  | 0.09  | <0.1 | 2.6  |
| BL 6-16 | Drill Core | 6.3  | 13.0  | 10.7 | 0.3  | <0.1 | 0.3  | 4.8   | 0.03  | <0.1 | <0.5 |
| BL 6-17 | Drill Core | 68.2 | 68.6  | 1.6  | 0.3  | 0.1  | 0.3  | 5.2   | 0.02  | <0.1 | <0.5 |

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**Project:** BACON LAKE  
**Report Date:** May 04, 2012

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Part: 1 of 4

CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  |       |
|---------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|
| Analyte | Wgt        | SiO2  | Al2O3 | Fe2O3 | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As    | Ba     | Co     | Cu    | Ni    | Pb    | S     | Sn    | Sr     |       |
| Unit    | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %     | %     | %     | %     | %     | %      |       |
| MDL     | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003 | 0.004  | 0.001  | 0.001 | 0.001 | 0.001 | 0.001 | 0.003 | 0.001  |       |
| BL 6-18 | Drill Core | 1.22  | 40.99 | 14.17 | 11.98 | 18.77 | 2.40  | 0.01  | 0.35  | 2.26  | 0.22  | 0.022 | <0.003 | <0.004 | 0.004 | 0.049 | 0.009 | 0.002 | 2.001 | <0.003 | 0.072 |
| BL 6-19 | Drill Core | 1.29  | 44.05 | 13.84 | 11.13 | 16.46 | 3.51  | 0.10  | 0.34  | 1.85  | 0.17  | 0.029 | <0.003 | 0.005  | 0.002 | 0.029 | 0.009 | 0.001 | 2.122 | <0.003 | 0.047 |





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**Report Date:** May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 4XIFe      | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4B    | 4B  | 4B  | 4B   | 4B   | 4B   | 4B  | 4B   | 4B   | 4B  | 4B    | 4B  | 4B  | 4B  | 4B  |     |
|---------|------------|-------|-------|-------|-------|-------|-----|-----|------|------|------|-----|------|------|-----|-------|-----|-----|-----|-----|-----|
| Analyte | Zn         | Zr    | V2O5  | LOI   | SUM   | Ba    | Be  | Co  | Cs   | Ga   | Hf   | Nb  | Rb   | Sn   | Sr  | Ta    | Th  | U   | V   | W   |     |
| Unit    | %          | %     | %     | %     | %     | ppm   | ppm | ppm | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm   | ppm | ppm | ppm | ppm |     |
| MDL     | 0.001      | 0.002 | 0.002 | -5.11 | 0.01  | 1     | 1   | 0.2 | 0.1  | 0.5  | 0.1  | 0.1 | 0.1  | 1    | 0.5 | 0.1   | 0.2 | 0.1 | 8   | 0.5 |     |
| BL 6-18 | Drill Core | 0.145 | 0.007 | 0.064 | 2.58  | 96.15 | 7   | <1  | 33.7 | <0.1 | 21.1 | 3.1 | 11.0 | <0.1 | 3   | 778.0 | 0.7 | 0.5 | 0.3 | 369 | 0.5 |
| BL 6-19 | Drill Core | 0.036 | 0.003 | 0.055 | 2.77  | 96.58 | 18  | <1  | 28.2 | 0.4  | 19.3 | 2.6 | 7.4  | 1.6  | 2   | 564.0 | 0.4 | 0.8 | 0.3 | 337 | 0.8 |



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Project: BACON LAKE  
 Report Date: May 04, 2012

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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 4B         | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX   | 1DX  |      |
|---------|------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|------|------|
| Analyte | Zr         | Y     | La   | Ce   | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu  | Pb    | Zn   |      |
| Unit    | ppm        | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  |      |
| MDL     | 0.1        | 0.1   | 0.1  | 0.1  | 0.02 | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1 | 0.1   | 1    |      |
| BL 6-18 | Drill Core | 135.0 | 32.0 | 9.7  | 22.7 | 3.27 | 15.1 | 4.78 | 1.59 | 5.68 | 0.97 | 6.32 | 1.40 | 3.17 | 0.47 | 3.17 | 0.42 | 3.7 | 554.1 | 11.3 | 1326 |
| BL 6-19 | Drill Core | 107.9 | 26.5 | 13.6 | 27.0 | 3.68 | 17.6 | 4.39 | 1.60 | 5.27 | 0.84 | 4.75 | 1.05 | 2.70 | 0.41 | 2.55 | 0.34 | 6.9 | 320.4 | 11.7 | 331  |



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Project: BACON LAKE  
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CERTIFICATE OF ANALYSIS

VAN12000921.1

| Method  | 1DX        | 1DX  | 1DX  | 1DX  | 1DX | 1DX | 1DX | 1DX  | 1DX  | 1DX  | 1DX |
|---------|------------|------|------|------|-----|-----|-----|------|------|------|-----|
| Analyte | Ni         | As   | Cd   | Sb   | Bi  | Ag  | Au  | Hg   | Tl   | Se   |     |
| Unit    | ppm        | ppm  | ppm  | ppm  | ppm | ppm | ppb | ppm  | ppm  | ppm  |     |
| MDL     | 0.1        | 0.5  | 0.1  | 0.1  | 0.1 | 0.1 | 0.5 | 0.01 | 0.1  | 0.5  |     |
| BL 6-18 | Drill Core | 78.9 | 13.3 | 10.4 | 0.3 | 0.4 | 0.5 | 4.7  | 0.02 | <0.1 | 0.8 |
| BL 6-19 | Drill Core | 64.8 | 10.7 | 2.1  | 0.2 | 0.2 | 0.4 | 4.0  | 0.02 | <0.1 | 1.8 |



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Report Date: May 04, 2012

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# QUALITY CONTROL REPORT

VAN12000921.1

| Method                 | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  |        |
|------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| Analyte                | Wgt        | SiO2  | Al2O3 | Fe2O3 | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As     | Ba     | Co     | Cu     | Ni    | Pb     | S      | Sn     | Sr     |        |
| Unit                   | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %      | %      | %      | %      |        |
| MDL                    | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003  | 0.004  | 0.001  | 0.001  | 0.001 | 0.001  | 0.001  | 0.003  | 0.001  |        |
| Pulp Duplicates        |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| BL 2-4                 | Drill Core | 0.97  | 44.16 | 15.10 | 18.74 | 14.56 | 2.87  | 0.67  | 0.51  | 0.44  | 0.12  | 0.007  | <0.003 | 0.014  | 0.001  | 0.032 | 0.004  | <0.001 | 0.007  | <0.003 | 0.033  |
| REP BL 2-4             | QC         |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| BL 3-5                 | Drill Core | 1.72  | 13.28 | 1.35  | 76.04 | 9.58  | 0.84  | 0.02  | 0.39  | 0.03  | 0.01  | 0.006  | 0.005  | <0.004 | <0.001 | 0.015 | 0.003  | <0.001 | <0.001 | 0.006  | <0.001 |
| REP BL 3-5             | QC         |       | 13.25 | 1.35  | 75.53 | 9.59  | 0.84  | 0.01  | 0.38  | 0.02  | 0.01  | 0.006  | 0.004  | <0.004 | <0.001 | 0.012 | 0.003  | <0.001 | <0.001 | <0.003 | <0.001 |
| BL 4-2                 | Drill Core | 1.12  | 38.32 | 16.31 | 22.90 | 11.91 | 4.11  | 0.84  | 0.34  | 0.38  | 0.12  | 0.013  | <0.003 | 0.016  | <0.001 | 0.009 | 0.004  | <0.001 | 0.034  | <0.003 | 0.042  |
| REP BL 4-2             | QC         |       | 38.41 | 16.36 | 23.11 | 11.92 | 4.13  | 0.84  | 0.34  | 0.37  | 0.12  | 0.008  | <0.003 | 0.018  | <0.001 | 0.004 | 0.003  | <0.001 | 0.032  | <0.003 | 0.039  |
| BL 6-2                 | Drill Core | 2.63  | 5.55  | 0.66  | 81.38 | 0.76  | 0.22  | 0.01  | 0.10  | 0.06  | 0.06  | 0.012  | 0.044  | <0.004 | 0.029  | 0.174 | 0.014  | <0.001 | >10    | <0.003 | <0.001 |
| REP BL 6-2             | QC         |       | 5.52  | 0.66  | 80.82 | 0.76  | 0.23  | 0.01  | 0.09  | 0.11  | 0.06  | 0.008  | 0.047  | <0.004 | 0.030  | 0.172 | 0.015  | <0.001 | >10    | <0.003 | 0.004  |
| BL 6-12                | Drill Core | 2.98  | 5.22  | 0.26  | 92.64 | 3.00  | 0.76  | 0.02  | 0.24  | 0.02  | 0.03  | 0.004  | <0.003 | <0.004 | 0.003  | 0.007 | 0.004  | <0.001 | 0.086  | <0.003 | <0.001 |
| REP BL 6-12            | QC         |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| BL 6-15                | Drill Core | 2.07  | 32.52 | 4.71  | 29.65 | 26.85 | 0.35  | <0.01 | 0.46  | 0.65  | 0.10  | 0.010  | 0.031  | <0.004 | 0.001  | 0.053 | 0.003  | 0.001  | 0.899  | <0.003 | 0.012  |
| REP BL 6-15            | QC         |       | 32.48 | 4.72  | 29.68 | 26.87 | 0.34  | <0.01 | 0.46  | 0.65  | 0.10  | 0.012  | 0.035  | <0.004 | 0.002  | 0.052 | 0.003  | <0.001 | 0.850  | <0.003 | 0.013  |
| Core Reject Duplicates |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| BL 4-8                 | Drill Core | 2.39  | 8.58  | 0.67  | 86.37 | 4.65  | 0.35  | 0.03  | 0.19  | <0.01 | 0.03  | 0.005  | <0.003 | <0.004 | <0.001 | 0.054 | 0.002  | 0.001  | 0.882  | 0.005  | <0.001 |
| DUP BL 4-8             | QC         |       | 8.55  | 0.66  | 85.89 | 4.63  | 0.39  | 0.03  | 0.18  | <0.01 | 0.03  | 0.005  | <0.003 | <0.004 | <0.001 | 0.052 | 0.004  | 0.002  | 0.861  | 0.005  | 0.002  |
| BL 6-19                | Drill Core | 1.29  | 44.05 | 13.84 | 11.13 | 16.46 | 3.51  | 0.10  | 0.34  | 1.85  | 0.17  | 0.029  | <0.003 | 0.005  | 0.002  | 0.029 | 0.009  | 0.001  | 2.122  | <0.003 | 0.047  |
| DUP BL 6-19            | QC         |       | 43.86 | 13.77 | 11.13 | 16.39 | 3.48  | 0.09  | 0.34  | 1.85  | 0.17  | 0.027  | <0.003 | <0.004 | 0.003  | 0.029 | 0.010  | 0.001  | 2.123  | <0.003 | 0.050  |
| Reference Materials    |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| STD DS8                | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| STD DS8                | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| STD FER-1(D)           | Standard   |       | 16.89 | 0.48  | 75.97 | 3.28  | 0.28  | 0.01  | 0.23  | 0.02  | 2.42  | <0.004 | <0.003 | 0.118  | <0.001 | 0.015 | <0.001 | 0.516  | 0.257  | 0.010  | 0.009  |
| STD FER-1(D)           | Standard   |       | 16.91 | 0.48  | 75.98 | 3.28  | 0.29  | 0.01  | 0.23  | 0.02  | 2.41  | <0.004 | <0.003 | 0.119  | <0.001 | 0.016 | <0.001 | 0.512  | 0.259  | 0.009  | 0.009  |
| STD GIOP-19            | Standard   |       | 3.49  | 1.79  | 91.58 | 0.04  | 0.09  | 0.02  | 0.09  | 0.05  | 0.15  | 0.030  | <0.003 | 0.005  | <0.001 | 0.009 | 0.007  | <0.001 | 0.019  | <0.003 | 0.002  |
| STD GIOP-19            | Standard   |       | 3.49  | 1.79  | 91.27 | 0.04  | 0.10  | 0.02  | 0.09  | 0.05  | 0.15  | 0.030  | <0.003 | 0.008  | <0.001 | 0.007 | 0.006  | <0.001 | 0.017  | 0.004  | <0.001 |
| STD NIST693(D)         | Standard   |       | 3.92  | 1.08  | 94.01 | 0.02  | 0.01  | <0.01 | 0.09  | 0.03  | 0.13  | 0.008  | <0.003 | 0.009  | <0.001 | 0.007 | <0.001 | <0.001 | 0.028  | 0.004  | <0.001 |
| STD NIST693(D)         | Standard   |       | 3.93  | 1.07  | 93.70 | 0.02  | 0.01  | <0.01 | 0.09  | 0.03  | 0.13  | 0.008  | <0.003 | 0.011  | <0.001 | 0.007 | <0.001 | <0.001 | 0.029  | 0.005  | <0.001 |
| STD OREAS45CA          | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |
| STD OREAS45CA          | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |        |        |        |



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Report Date: May 04, 2012

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# QUALITY CONTROL REPORT

VAN12000921.1

| Method                 |            | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  |      |
|------------------------|------------|--------|--------|--------|-------|-------|-----|-----|-------|------|------|------|------|------|-----|-------|------|------|-----|-----|------|
| Analyte                |            | Zn     | Zr     | V2O5   | LOI   | SUM   | Ba  | Be  | Co    | Cs   | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta   | Th   | U   | V   | W    |
| Unit                   |            | %      | %      | %      | %     | %     | ppm | ppm | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  |
| MDL                    |            | 0.001  | 0.002  | 0.002  | -5.11 | 0.01  | 1   | 1   | 0.2   | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  | 0.1 | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  |
| Pulp Duplicates        |            |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| BL 2-4                 | Drill Core | 0.014  | <0.002 | 0.021  | 1.32  | 98.64 | 147 | 4   | 15.5  | 0.8  | 16.3 | 2.1  | 2.0  | 3.6  | 2   | 347.2 | 0.1  | 1.3  | 1.4 | 137 | 0.8  |
| REP BL 2-4             | QC         |        |        |        |       |       | 148 | <1  | 15.7  | 0.5  | 15.7 | 1.9  | 0.9  | 2.5  | <1  | 341.9 | 0.1  | 1.5  | 1.7 | 128 | 1.3  |
| BL 3-5                 | Drill Core | 0.030  | <0.002 | 0.004  | -0.94 | 100.7 | 6   | 4   | 10.9  | <0.1 | 7.0  | <0.1 | <0.1 | 0.6  | 7   | 13.5  | <0.1 | <0.2 | 1.0 | 22  | 59.0 |
| REP BL 3-5             | QC         | 0.031  | <0.002 | 0.003  | -1.13 | 99.93 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| BL 4-2                 | Drill Core | 0.007  | 0.002  | 0.014  | 3.30  | 98.68 | 127 | 4   | 6.4   | 0.2  | 22.2 | 2.4  | 1.7  | 6.4  | 6   | 422.7 | 0.2  | 2.0  | 3.3 | 101 | 0.8  |
| REP BL 4-2             | QC         | 0.008  | <0.002 | 0.016  | 3.38  | 99.20 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| BL 6-2                 | Drill Core | 0.013  | <0.002 | <0.002 | 12.92 | 122.2 | 6   | <1  | 280.4 | <0.1 | 2.9  | 0.2  | <0.1 | 0.5  | <1  | 8.2   | <0.1 | <0.2 | 0.3 | 10  | 34.3 |
| REP BL 6-2             | QC         | 0.016  | <0.002 | <0.002 | 0.00  | 137.8 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| BL 6-12                | Drill Core | 0.115  | <0.002 | <0.002 | -2.58 | 99.83 | 13  | 2   | 23.1  | <0.1 | 4.6  | <0.1 | <0.1 | 0.5  | <1  | 8.8   | <0.1 | <0.2 | 0.7 | 11  | 66.4 |
| REP BL 6-12            | QC         |        |        |        |       |       | 11  | <1  | 21.8  | <0.1 | 4.6  | <0.1 | <0.1 | 0.5  | <1  | 8.2   | <0.1 | <0.2 | 0.5 | 10  | 64.9 |
| BL 6-15                | Drill Core | 1.072  | <0.002 | 0.022  | -1.15 | 96.53 | 2   | <1  | 18.8  | <0.1 | 7.8  | 1.1  | 2.8  | <0.1 | 2   | 150.5 | 0.2  | 0.2  | 1.7 | 136 | 11.6 |
| REP BL 6-15            | QC         | 1.079  | <0.002 | 0.022  | -0.22 | 97.45 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| Core Reject Duplicates |            |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| BL 4-8                 | Drill Core | 0.007  | <0.002 | <0.002 | -2.04 | 99.81 | 12  | 8   | 21.6  | <0.1 | 7.6  | 0.3  | <0.1 | 0.7  | <1  | 12.0  | <0.1 | 0.7  | 0.3 | 17  | 7.3  |
| DUP BL 4-8             | QC         | 0.008  | <0.002 | <0.002 | -2.11 | 99.21 | 11  | <1  | 20.4  | <0.1 | 7.1  | <0.1 | <0.1 | 0.5  | <1  | 11.6  | <0.1 | <0.2 | 0.3 | 15  | 6.2  |
| BL 6-19                | Drill Core | 0.036  | 0.003  | 0.055  | 2.77  | 96.58 | 18  | <1  | 28.2  | 0.4  | 19.3 | 2.6  | 7.4  | 1.6  | 2   | 564.0 | 0.4  | 0.8  | 0.3 | 337 | 0.8  |
| DUP BL 6-19            | QC         | 0.038  | 0.004  | 0.055  | 2.31  | 95.76 | 17  | <1  | 26.8  | 0.2  | 18.8 | 2.9  | 9.5  | 1.8  | 2   | 541.0 | 0.6  | 0.7  | 0.4 | 330 | <0.5 |
| Reference Materials    |            |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD DS8                | Standard   |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD DS8                | Standard   |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD FER-1(D)           | Standard   | 0.348  | <0.002 | 0.016  | -0.58 | 100.8 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD FER-1(D)           | Standard   | 0.349  | <0.002 | 0.015  | -0.58 | 100.4 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD GIOP-19            | Standard   | 0.001  | <0.002 | <0.002 | 3.64  | 101.0 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD GIOP-19            | Standard   | 0.003  | <0.002 | <0.002 | 3.59  | 100.7 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD NIST693(D)         | Standard   | <0.001 | <0.002 | 0.005  | 1.94  | 101.3 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD NIST693(D)         | Standard   | <0.001 | <0.002 | <0.002 | 1.94  | 101.0 |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD OREAS45CA          | Standard   |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |
| STD OREAS45CA          | Standard   |        |        |        |       |       |     |     |       |      |      |      |      |      |     |       |      |      |     |     |      |



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Report Date: May 04, 2012

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# QUALITY CONTROL REPORT

VAN12000921.1

| Method                 | Analyte    | Unit | MDL | 4B<br>Zr | 4B<br>Y | 4B<br>La | 4B<br>Ce | 4B<br>Pr | 4B<br>Nd | 4B<br>Sm | 4B<br>Eu | 4B<br>Gd | 4B<br>Tb | 4B<br>Dy | 4B<br>Ho | 4B<br>Er | 4B<br>Tm | 4B<br>Yb | 4B<br>Lu | 1DX<br>Mo | 1DX<br>Cu | 1DX<br>Pb | 1DX<br>Zn |
|------------------------|------------|------|-----|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
|                        |            |      |     | ppm      | ppm     | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm       | ppm       | ppm       | ppm       |
|                        |            |      |     | 0.1      | 0.1     | 0.1      | 0.1      | 0.02     | 0.3      | 0.05     | 0.02     | 0.05     | 0.01     | 0.05     | 0.02     | 0.03     | 0.01     | 0.05     | 0.01     | 0.1       | 0.1       | 0.1       | 1         |
| Pulp Duplicates        |            |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| BL 2-4                 | Drill Core |      |     | 74.3     | 14.9    | 9.5      | 17.7     | 2.42     | 11.3     | 2.65     | 1.93     | 2.82     | 0.44     | 2.84     | 0.56     | 1.78     | 0.24     | 1.93     | 0.25     | 1.4       | 295.7     | 1.0       | 97        |
| REP BL 2-4             | QC         |      |     | 73.3     | 15.3    | 9.4      | 18.0     | 2.35     | 11.4     | 2.41     | 1.67     | 2.78     | 0.44     | 2.43     | 0.55     | 1.50     | 0.19     | 1.52     | 0.22     | 1.2       | 289.9     | 0.9       | 95        |
| BL 3-5                 | Drill Core |      |     | 3.8      | 2.0     | 1.1      | 0.7      | 0.11     | 0.4      | 0.15     | 0.17     | 0.31     | 0.05     | 0.32     | 0.06     | 0.16     | 0.04     | 0.25     | 0.05     | 1.5       | 55.4      | 1.3       | 268       |
| REP BL 3-5             | QC         |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| BL 4-2                 | Drill Core |      |     | 89.1     | 26.1    | 48.4     | 77.4     | 8.05     | 27.2     | 5.40     | 2.63     | 5.69     | 0.83     | 4.53     | 1.00     | 3.13     | 0.47     | 3.45     | 0.62     | 0.2       | 11.5      | 0.5       | 63        |
| REP BL 4-2             | QC         |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| BL 6-2                 | Drill Core |      |     | 4.5      | 1.8     | 1.2      | 1.4      | 0.22     | 0.8      | 0.23     | 0.05     | 0.30     | 0.05     | 0.25     | 0.07     | 0.18     | 0.02     | 0.10     | 0.04     | 13.5      | 2105      | 11.5      | 153       |
| REP BL 6-2             | QC         |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 14.5      | 2137      | 11.9      | 162       |
| BL 6-12                | Drill Core |      |     | 1.5      | 0.4     | 0.6      | 0.5      | 0.04     | <0.3     | <0.05    | 0.03     | <0.05    | <0.01    | <0.05    | <0.02    | <0.03    | <0.01    | <0.05    | 0.01     | 1.6       | 25.3      | 4.2       | 965       |
| REP BL 6-12            | QC         |      |     | 1.7      | 0.4     | 0.5      | 0.5      | 0.05     | <0.3     | 0.05     | 0.03     | 0.10     | <0.01    | <0.05    | <0.02    | <0.03    | <0.01    | <0.05    | <0.01    |           |           |           |           |
| BL 6-15                | Drill Core |      |     | 38.8     | 14.0    | 20.1     | 20.4     | 1.89     | 7.3      | 1.72     | 0.84     | 2.05     | 0.39     | 2.12     | 0.46     | 1.59     | 0.21     | 1.52     | 0.25     | 2.6       | 621.9     | 9.2       | 9765      |
| REP BL 6-15            | QC         |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| Core Reject Duplicates |            |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| BL 4-8                 | Drill Core |      |     | 1.7      | 1.6     | 0.3      | 0.5      | 0.04     | 0.7      | 0.12     | 0.06     | 0.30     | 0.03     | 0.18     | 0.03     | 0.15     | 0.02     | 0.06     | 0.04     | 0.8       | 572.2     | 7.1       | 64        |
| DUP BL 4-8             | QC         |      |     | 1.5      | 1.2     | 0.5      | 0.4      | 0.03     | 0.4      | <0.05    | 0.05     | 0.19     | 0.02     | 0.08     | 0.03     | 0.11     | <0.01    | 0.09     | 0.03     | 0.6       | 575.7     | 7.1       | 65        |
| BL 6-19                | Drill Core |      |     | 107.9    | 26.5    | 13.6     | 27.0     | 3.68     | 17.6     | 4.39     | 1.60     | 5.27     | 0.84     | 4.75     | 1.05     | 2.70     | 0.41     | 2.55     | 0.34     | 6.9       | 320.4     | 11.7      | 331       |
| DUP BL 6-19            | QC         |      |     | 105.2    | 25.8    | 13.9     | 25.1     | 3.50     | 16.5     | 4.23     | 1.54     | 4.89     | 0.90     | 4.90     | 1.05     | 2.98     | 0.34     | 2.57     | 0.37     | 7.2       | 316.2     | 12.0      | 334       |
| Reference Materials    |            |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD DS8                | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 11.9      | 107.0     | 112.9     | 299       |
| STD DS8                | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 12.2      | 107.4     | 126.7     | 315       |
| STD FER-1(D)           | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD FER-1(D)           | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD GIOP-19            | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD GIOP-19            | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD NIST693(D)         | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD NIST693(D)         | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          |           |           |           |           |
| STD OREAS45CA          | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 0.9       | 476.7     | 21.8      | 60        |
| STD OREAS45CA          | Standard   |      |     |          |         |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 0.8       | 488.5     | 21.8      | 65        |



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**Project:** BACON LAKE  
**Report Date:** May 04, 2012

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# QUALITY CONTROL REPORT

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| Method                 | Analyte    | 1DX Ni | 1DX As | 1DX Cd | 1DX Sb | 1DX Bi | 1DX Ag | 1DX Au | 1DX Hg | 1DX Tl | 1DX Se |
|------------------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Unit                   |            | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    |
| MDL                    |            | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| Pulp Duplicates        |            |        |        |        |        |        |        |        |        |        |        |
| BL 2-4                 | Drill Core | 9.6    | 7.5    | 0.6    | 0.3    | <0.1   | 0.2    | 1.2    | <0.01  | <0.1   | <0.5   |
| REP BL 2-4             | QC         | 9.5    | 8.0    | 0.6    | 0.3    | <0.1   | 0.2    | 3.2    | <0.01  | <0.1   | 0.5    |
| BL 3-5                 | Drill Core | 6.4    | 41.1   | 1.7    | 0.6    | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| REP BL 3-5             | QC         |        |        |        |        |        |        |        |        |        |        |
| BL 4-2                 | Drill Core | 2.7    | 7.5    | <0.1   | 0.1    | <0.1   | <0.1   | 9.7    | 0.03   | <0.1   | <0.5   |
| REP BL 4-2             | QC         |        |        |        |        |        |        |        |        |        |        |
| BL 6-2                 | Drill Core | 20.5   | 580.6  | 1.4    | 0.6    | 1.8    | 2.4    | 203.0  | 0.06   | 0.3    | 6.6    |
| REP BL 6-2             | QC         | 22.6   | 595.0  | 1.5    | 0.7    | 1.8    | 2.3    | 244.3  | 0.05   | 0.3    | 5.5    |
| BL 6-12                | Drill Core | 3.9    | 29.7   | 5.9    | 0.8    | 0.3    | 0.1    | 2.4    | 0.01   | <0.1   | <0.5   |
| REP BL 6-12            | QC         |        |        |        |        |        |        |        |        |        |        |
| BL 6-15                | Drill Core | 11.0   | 233.8  | 62.0   | 0.2    | 1.8    | 1.2    | 12.9   | 0.09   | <0.1   | 2.6    |
| REP BL 6-15            | QC         |        |        |        |        |        |        |        |        |        |        |
| Core Reject Duplicates |            |        |        |        |        |        |        |        |        |        |        |
| BL 4-8                 | Drill Core | 5.1    | 45.5   | 0.2    | 0.4    | 0.1    | 0.5    | 73.5   | <0.01  | <0.1   | <0.5   |
| DUP BL 4-8             | QC         | 5.6    | 45.2   | 0.2    | 0.4    | 0.1    | 0.5    | 73.1   | <0.01  | <0.1   | 0.5    |
| BL 6-19                | Drill Core | 64.8   | 10.7   | 2.1    | 0.2    | 0.2    | 0.4    | 4.0    | 0.02   | <0.1   | 1.8    |
| DUP BL 6-19            | QC         | 63.3   | 10.7   | 2.4    | 0.2    | 0.2    | 0.4    | 2.0    | 0.02   | <0.1   | 1.1    |
| Reference Materials    |            |        |        |        |        |        |        |        |        |        |        |
| STD DS8                | Standard   | 37.2   | 24.5   | 2.0    | 4.4    | 5.5    | 1.6    | 140.7  | 0.18   | 5.2    | 4.6    |
| STD DS8                | Standard   | 37.3   | 24.9   | 2.1    | 4.8    | 7.1    | 1.8    | 129.6  | 0.17   | 5.5    | 4.1    |
| STD FER-1(D)           | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD FER-1(D)           | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD GIOP-19            | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD GIOP-19            | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD NIST693(D)         | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD NIST693(D)         | Standard   |        |        |        |        |        |        |        |        |        |        |
| STD OREAS45CA          | Standard   | 235.7  | 4.9    | 0.2    | 0.2    | 0.1    | 0.3    | 66.1   | 0.04   | <0.1   | <0.5   |
| STD OREAS45CA          | Standard   | 237.9  | 3.6    | <0.1   | 0.1    | 0.2    | 0.3    | 39.2   | 0.02   | <0.1   | <0.5   |



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QUALITY CONTROL REPORT

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|                         |            | WGHT  | 4XIFe | 4XIFe | 4XIFe   | 4XIFe | 4XIFe | 4XIFe  | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  |        |
|-------------------------|------------|-------|-------|-------|---------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
|                         |            | Wgt   | SiO2  | Al2O3 | Fe2O3   | CaO   | MgO   | K2O    | MnO   | TiO2  | P2O5   | Cr2O3  | As     | Ba     | Co     | Cu     | Ni    | Pb     | S      | Sn     | Sr     |
|                         |            | kg    | %     | %     | %       | %     | %     | %      | %     | %     | %      | %      | %      | %      | %      | %      | %     | %      | %      | %      | %      |
|                         |            | 0.01  | 0.01  | 0.01  | 0.01    | 0.01  | 0.01  | 0.01   | 0.01  | 0.01  | 0.01   | 0.004  | 0.003  | 0.004  | 0.001  | 0.001  | 0.001 | 0.001  | 0.001  | 0.003  | 0.001  |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD SO-18 Expected      |            |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD GIOP-19 Expected    |            |       | 3.44  | 1.67  | 90.9887 | 0.04  | 0.109 | 0.019  | 0.086 | 0.057 | 0.1374 |        |        |        |        |        |       |        | 0.027  |        |        |
| STD FER-1(D) Expected   |            |       | 16.95 | 0.52  | 75.8133 | 3.29  | 0.3   | 0.02   | 0.22  | 0.03  | 2.39   |        |        |        |        |        |       |        | 0.26   |        |        |
| STD NIST693(D) Expected |            |       | 3.87  | 1.04  | 93.1073 | 0.016 | 0.013 | 0.0028 | 0.091 | 0.035 | 0.1283 |        |        |        |        |        |       |        |        |        |        |
| STD OREAS45CA Expected  |            |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| STD DS8 Expected        |            |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| BLK                     | Blank      |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| BLK                     | Blank      |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| BLK                     | Blank      |       | <0.01 | <0.01 | 0.01    | <0.01 | <0.01 | <0.01  | <0.01 | <0.01 | <0.01  | <0.004 | <0.003 | <0.004 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 | <0.003 | <0.001 |
| BLK                     | Blank      |       | <0.01 | <0.01 | 0.01    | <0.01 | <0.01 | <0.01  | <0.01 | <0.01 | <0.01  | <0.004 | <0.003 | <0.004 | <0.001 | <0.001 | 0.002 | <0.001 | <0.001 | <0.003 | <0.001 |
| BLK                     | Blank      |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| BLK                     | Blank      |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| Prep Wash               |            |       |       |       |         |       |       |        |       |       |        |        |        |        |        |        |       |        |        |        |        |
| G1                      | Prep Blank | <0.01 | 67.29 | 16.02 | 3.28    | 3.24  | 0.97  | 4.13   | 0.09  | 0.38  | 0.18   | 0.010  | <0.003 | 0.156  | <0.001 | <0.001 | 0.006 | 0.002  | <0.001 | <0.003 | 0.078  |
| G1                      | Prep Blank | <0.01 | 67.17 | 16.00 | 3.28    | 3.22  | 0.95  | 4.10   | 0.09  | 0.38  | 0.18   | 0.004  | <0.003 | 0.153  | <0.001 | <0.001 | 0.011 | 0.002  | 0.004  | <0.003 | 0.083  |





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# QUALITY CONTROL REPORT

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|                         |            | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  |      |
|-------------------------|------------|--------|--------|--------|-------|-------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|
|                         |            | Zn     | Zr     | V2O5   | LOI   | SUM   | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    |
|                         |            | %      | %      | %      | %     | %     | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  |
|                         |            | 0.001  | 0.002  | 0.002  | -5.11 | 0.01  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  |
| STD SO-18               | Standard   |        |        |        |       |       | 541  | <1  | 28.4 | 6.9  | 17.8 | 9.6  | 22.6 | 28.5  | 14  | 457.4 | 7.2  | 10.1 | 16.3 | 218 | 15.4 |
| STD SO-18               | Standard   |        |        |        |       |       | 516  | 2   | 26.4 | 7.0  | 17.3 | 9.0  | 19.1 | 26.9  | 14  | 432.2 | 7.4  | 9.5  | 16.0 | 205 | 14.3 |
| STD SO-18               | Standard   |        |        |        |       |       | 528  | <1  | 26.4 | 6.8  | 17.9 | 10.1 | 20.8 | 27.9  | 16  | 418.7 | 7.4  | 10.6 | 16.3 | 199 | 14.0 |
| STD SO-18               | Standard   |        |        |        |       |       | 520  | <1  | 26.9 | 7.3  | 16.8 | 9.0  | 19.1 | 28.0  | 13  | 416.0 | 7.0  | 10.1 | 16.0 | 192 | 15.3 |
| STD SO-18               | Standard   |        |        |        |       |       | 520  | 2   | 27.7 | 6.4  | 16.7 | 9.2  | 20.4 | 27.4  | 14  | 437.6 | 6.6  | 9.6  | 15.6 | 191 | 13.9 |
| STD SO-18               | Standard   |        |        |        |       |       | 514  | 4   | 27.5 | 7.1  | 17.6 | 9.4  | 20.3 | 27.2  | 15  | 433.6 | 6.6  | 10.4 | 16.7 | 202 | 14.9 |
| STD SO-18 Expected      |            |        |        |        |       |       | 514  | 1   | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7  | 15  | 407.4 | 7.4  | 9.9  | 16.4 | 200 | 14.8 |
| STD GIOP-19 Expected    |            |        |        |        | 3.56  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD FER-1(D) Expected   |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD NIST693(D) Expected |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD OREAS45CA Expected  |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD DS8 Expected        |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       | <1   | 4   | 0.2  | <0.1 | <0.5 | <0.1 | <0.1 | 0.2   | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 |
| BLK                     | Blank      |        |        |        |       |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 |
| BLK                     | Blank      | <0.001 | <0.002 | <0.002 | 0.00  | <0.01 |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      | <0.001 | <0.002 | <0.002 | 0.00  | <0.01 |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| Prep Wash               |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| G1                      | Prep Blank | 0.004  | 0.007  | 0.004  | 0.24  | 96.09 | 1486 | <1  | 3.8  | 4.2  | 18.0 | 4.2  | 22.4 | 131.4 | 1   | 849.5 | 1.2  | 8.6  | 2.7  | 44  | <0.5 |
| G1                      | Prep Blank | 0.004  | 0.010  | 0.005  | 0.25  | 95.91 | 1413 | <1  | 3.9  | 3.8  | 18.7 | 3.5  | 24.5 | 132.2 | 2   | 840.1 | 1.3  | 10.6 | 3.8  | 41  | <0.5 |



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# QUALITY CONTROL REPORT

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|                         |            | 4B    | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX | 1DX  | 1DX |
|-------------------------|------------|-------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----|
|                         |            | Zr    | Y    | La   | Ce   | Pr    | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu  | Pb   | Zn  |
|                         |            | ppm   | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | ppm  | ppm |
| STD SO-18               | Standard   | 296.3 | 31.9 | 14.3 | 29.2 | 3.45  | 14.7 | 2.96  | 0.94  | 2.95  | 0.53  | 3.18  | 0.69  | 1.74  | 0.30  | 1.75  | 0.29  |       |     |      |     |
| STD SO-18               | Standard   | 290.1 | 31.5 | 13.4 | 29.1 | 3.30  | 13.0 | 2.89  | 0.88  | 2.88  | 0.50  | 2.81  | 0.66  | 1.98  | 0.28  | 1.55  | 0.27  |       |     |      |     |
| STD SO-18               | Standard   | 303.3 | 31.6 | 12.7 | 30.5 | 3.55  | 14.9 | 2.84  | 0.90  | 3.30  | 0.52  | 2.87  | 0.66  | 1.94  | 0.26  | 1.80  | 0.31  |       |     |      |     |
| STD SO-18               | Standard   | 294.7 | 28.3 | 12.2 | 23.8 | 3.19  | 13.6 | 2.91  | 0.88  | 3.03  | 0.46  | 2.90  | 0.62  | 1.82  | 0.26  | 2.04  | 0.28  |       |     |      |     |
| STD SO-18               | Standard   | 295.7 | 30.5 | 13.0 | 27.9 | 3.26  | 13.2 | 3.03  | 0.82  | 2.79  | 0.47  | 3.25  | 0.60  | 1.72  | 0.25  | 1.70  | 0.26  |       |     |      |     |
| STD SO-18               | Standard   | 295.5 | 31.4 | 13.4 | 28.5 | 3.44  | 13.9 | 2.85  | 0.87  | 2.96  | 0.49  | 3.02  | 0.62  | 1.86  | 0.27  | 1.88  | 0.25  |       |     |      |     |
| STD SO-18 Expected      |            | 280   | 31   | 12.3 | 27.1 | 3.45  | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |     |      |     |
| STD GIOP-19 Expected    |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| STD FER-1(D) Expected   |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| STD NIST693(D) Expected |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| STD OREAS45CA Expected  |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       | 1     | 494 | 20   | 60  |
| STD DS8 Expected        |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110 | 123  | 312 |
| BLK                     | Blank      | 0.6   | <0.1 | <0.1 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |     |      |     |
| BLK                     | Blank      | <0.1  | <0.1 | <0.1 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |     |      |     |
| BLK                     | Blank      |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| BLK                     | Blank      |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| BLK                     | Blank      |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | 0.3 | <0.1 | 2   |
| BLK                     | Blank      |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | 0.1 | <0.1 | <1  |
| Prep Wash               |            |       |      |      |      |       |      |       |       |       |       |       |       |       |       |       |       |       |     |      |     |
| G1                      | Prep Blank | 149.6 | 14.6 | 30.9 | 56.3 | 6.39  | 25.4 | 4.13  | 1.06  | 3.61  | 0.48  | 2.57  | 0.57  | 1.54  | 0.27  | 1.71  | 0.27  | <0.1  | 2.6 | 2.8  | 41  |
| G1                      | Prep Blank | 139.1 | 15.9 | 32.3 | 61.3 | 7.03  | 26.3 | 4.24  | 1.04  | 3.49  | 0.50  | 2.61  | 0.59  | 1.51  | 0.25  | 1.99  | 0.31  | 0.1   | 2.4 | 2.6  | 40  |



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Client: **Lombard Resources Corp**  
 6286 McCleery Street  
 Vancouver BC V6N 1G4 Canada

Project: BACON LAKE  
 Report Date: May 04, 2012

Page: 2 of 2

Part: 4 of 4

# QUALITY CONTROL REPORT

VAN12000921.1

|                         |            | 1DX<br>Ni<br>ppm<br>0.1 | 1DX<br>As<br>ppm<br>0.5 | 1DX<br>Cd<br>ppm<br>0.1 | 1DX<br>Sb<br>ppm<br>0.1 | 1DX<br>Bi<br>ppm<br>0.1 | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|-------------------------|------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18               | Standard   |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD SO-18 Expected      |            |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD GIOP-19 Expected    |            |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD FER-1(D) Expected   |            |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD NIST693(D) Expected |            |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| STD OREAS45CA Expected  |            | 240                     | 3.8                     | 0.1                     | 0.13                    | 0.19                    | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD DS8 Expected        |            | 38.1                    | 26                      | 2.38                    | 4.8                     | 6.67                    | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| BLK                     | Blank      |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| BLK                     | Blank      |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| BLK                     | Blank      |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| BLK                     | Blank      |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| BLK                     | Blank      | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                     | Blank      | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| Prep Wash               |            |                         |                         |                         |                         |                         |                         |                         |                          |                         |                         |
| G1                      | Prep Blank | 2.2                     | <0.5                    | <0.1                    | <0.1                    | 0.1                     | <0.1                    | <0.5                    | <0.01                    | 0.2                     | <0.5                    |
| G1                      | Prep Blank | 2.4                     | <0.5                    | <0.1                    | <0.1                    | 0.1                     | <0.1                    | <0.5                    | <0.01                    | 0.2                     | <0.5                    |



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Submitted By: David Fawcett
Receiving Lab: Canada-Vancouver
Received: April 05, 2012
Report Date: May 03, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12000921A.1

CLIENT JOB INFORMATION

Project: BACON LAKE
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 5 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include 'No Prep' and 'DTS'.

SAMPLE DISPOSAL

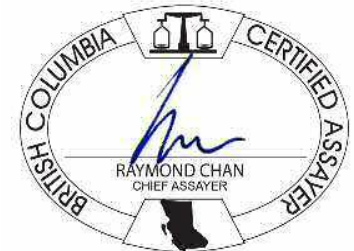
DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lombard Resources Corp
6286 McCleery Street
Vancouver BC V6N 1G4
Canada

CC: Del Ferguson
Joe Paquet
Greg Burns



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



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**Client:** Lombard Resources Corp  
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 Vancouver BC V6N 1G4 Canada

**Project:** BACON LAKE  
**Report Date:** May 03, 2012

**Page:** 2 of 2

**Part:** 1 of 1

# CERTIFICATE OF ANALYSIS

VAN12000921A.1

| Method  | DTS       | DTS    | DTS   | DTS    |      |
|---------|-----------|--------|-------|--------|------|
| Analyte | Wt        | MagNon | Mag   | MAG    |      |
| Unit    | g         | g      | g     | %      |      |
| MDL     | 0.1       | 0.1    | 0.1   | 0.1    |      |
| BL2-9   | Core Pulp | 111.5  | 101.4 | 10.103 | 90.9 |
| BL3-5   | Core Pulp | 120.5  | 78.8  | 41.787 | 65.3 |
| BL4-11  | Core Pulp | 127.5  | 69.2  | 58.254 | 54.3 |
| BL6-12  | Core Pulp | 121.7  | 112.4 | 9.292  | 92.4 |



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**Project:** BACON LAKE

**Report Date:** May 03, 2012

**Page:** 1 of 1

**Part:** 1 of 1

## QUALITY CONTROL REPORT

VAN12000921A.1

| Method    | DTS       | DTS    | DTS  | DTS  |
|-----------|-----------|--------|------|------|
| Analyte   | Wt        | MagNon | Mag  | MAG  |
| Unit      | g         | g      | g    | %    |
| MDL       | 0.1       | 0.1    | 0.1  | 0.1  |
| BL2-9 MAG | Core Pulp | N.A.   | N.A. | N.A. |
| BL3-5 MAG | Core Pulp | N.A.   | N.A. | N.A. |



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Submitted By: David Fawcett
Receiving Lab: Canada-Vancouver
Received: March 27, 2012
Report Date: May 14, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN12001403.1

CLIENT JOB INFORMATION

Project: BACON LAKE
Shipment ID:
P.O. Number
Number of Samples: 43

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lombard Resources Corp
6286 McCleery Street
Vancouver BC V6N 1G4
Canada

CC: Greg Burns
Del Ferguson
Joe Paquet

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 4X30, and 4B02.

ADDITIONAL COMMENTS



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



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Project: BACON LAKE  
 Report Date: May 14, 2012

Page: 2 of 3

Part: 1 of 4

CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method  | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  |        |
|---------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Wgt        | SiO2  | Al2O3 | Fe    | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As     | Ba     | Co     | Cu     | Ni     | Pb     | S      | Sn     | Sr     |        |
| Unit    | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %      | %      | %      | %      | %      |        |
| MDL     | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003  | 0.004  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  | 0.003  | 0.001  |        |
| BL1-11  | Drill Core | 1.76  | 10.86 | 2.58  | 56.42 | 5.37  | 0.67  | 0.22  | 0.32  | 0.11  | 0.09  | 0.004  | 0.041  | <0.004 | 0.040  | 0.008  | 0.001  | <0.001 | 0.017  | 0.006  | 0.003  |
| BL1-12  | Drill Core | 2.14  | 25.56 | 7.89  | 25.27 | 18.75 | 1.56  | 0.67  | 0.59  | 0.32  | 0.12  | <0.004 | <0.003 | 0.026  | 0.004  | 0.002  | 0.003  | <0.001 | 0.139  | <0.003 | 0.021  |
| BL1-13  | Drill Core | 1.74  | 30.05 | 11.14 | 17.32 | 20.14 | 2.15  | 0.41  | 0.58  | 0.45  | 0.13  | <0.004 | <0.003 | 0.014  | 0.003  | 0.004  | <0.001 | <0.001 | 0.081  | <0.003 | 0.030  |
| BL1-14  | Drill Core | 2.04  | 7.21  | 0.42  | 24.42 | >30   | 0.25  | <0.01 | 0.17  | <0.01 | 0.10  | <0.004 | 0.008  | <0.004 | 0.003  | 0.006  | <0.001 | <0.001 | 0.203  | <0.003 | 0.029  |
| BL1-15  | Drill Core | 1.96  | 17.83 | 4.78  | 46.36 | 8.15  | 1.48  | 0.52  | 0.36  | 0.17  | 0.12  | 0.007  | <0.003 | 0.022  | <0.001 | 0.007  | 0.002  | <0.001 | 0.144  | 0.004  | 0.005  |
| BL1-16  | Drill Core | 1.63  | 40.45 | 13.26 | 13.89 | 16.58 | 3.95  | 0.96  | 0.60  | 0.53  | 0.12  | 0.012  | <0.003 | 0.027  | 0.002  | 0.002  | 0.002  | <0.001 | 0.012  | <0.003 | 0.014  |
| BL1-17  | Drill Core | 2.56  | 32.62 | 9.25  | 23.67 | 18.15 | 2.62  | 0.35  | 0.64  | 0.41  | 0.12  | 0.006  | <0.003 | 0.013  | 0.002  | 0.007  | 0.003  | <0.001 | 0.045  | <0.003 | 0.011  |
| BL1-18  | Drill Core | 2.68  | 11.81 | 1.39  | 54.16 | 9.36  | 0.21  | 0.02  | 0.25  | 0.03  | 0.02  | <0.004 | 0.006  | <0.004 | 0.001  | 0.071  | 0.002  | <0.001 | 0.546  | <0.003 | <0.001 |
| BL1-19  | Drill Core | 1.19  | 33.27 | 11.25 | 19.61 | 20.55 | 0.32  | 0.15  | 0.41  | 2.07  | 0.20  | 0.019  | <0.003 | 0.011  | 0.004  | 0.047  | 0.006  | <0.001 | 2.402  | <0.003 | 0.013  |
| BL1-20  | Drill Core | 1.66  | 35.22 | 12.43 | 20.10 | 14.20 | 2.79  | 0.39  | 0.29  | 2.29  | 0.21  | 0.023  | <0.003 | <0.004 | 0.005  | 0.198  | 0.011  | <0.001 | 2.090  | <0.003 | 0.031  |
| BL5-1   | Drill Core | 2.19  | 30.83 | 6.15  | 18.01 | 25.03 | 4.55  | 0.04  | 0.88  | 0.33  | 0.06  | 0.056  | <0.003 | <0.004 | <0.001 | 0.016  | 0.005  | <0.001 | 0.540  | <0.003 | 0.010  |
| BL5-2   | Drill Core | 3.05  | 36.22 | 7.30  | 17.27 | 23.25 | 5.45  | 0.04  | 1.08  | 0.42  | 0.07  | 0.070  | <0.003 | 0.005  | 0.002  | 0.005  | 0.004  | <0.001 | <0.001 | <0.003 | 0.005  |
| BL5-3   | Drill Core | 2.42  | 30.28 | 10.06 | 22.04 | 19.35 | 3.21  | 0.14  | 0.61  | 0.49  | 0.17  | 0.008  | <0.003 | 0.006  | 0.002  | 0.003  | 0.004  | <0.001 | <0.001 | <0.003 | 0.019  |
| BL5-4   | Drill Core | 1.99  | 3.59  | 1.09  | 1.71  | >30   | 0.43  | 0.02  | 0.10  | 0.05  | 0.03  | 0.005  | <0.003 | <0.004 | <0.001 | <0.001 | <0.001 | <0.001 | 0.102  | <0.003 | 0.037  |
| BL5-5   | Drill Core | 1.64  | 1.98  | 0.42  | 6.71  | >30   | 0.21  | <0.01 | 0.21  | 0.02  | 0.02  | <0.004 | 0.005  | <0.004 | 0.002  | 0.063  | 0.001  | <0.001 | 0.180  | <0.003 | 0.019  |
| BL5-6   | Drill Core | 1.68  | 0.87  | 0.13  | 4.29  | >30   | 0.11  | <0.01 | 0.35  | <0.01 | 0.03  | 0.019  | <0.003 | <0.004 | <0.001 | 0.002  | 0.032  | <0.001 | 0.006  | <0.003 | 0.016  |
| BL5-7   | Drill Core | 1.73  | 37.02 | 13.01 | 15.69 | 16.02 | 4.89  | 0.37  | 0.86  | 0.57  | 0.13  | 0.008  | <0.003 | 0.016  | 0.001  | 0.004  | 0.003  | <0.001 | <0.001 | <0.003 | 0.042  |
| BL5-8   | Drill Core | 1.98  | 40.79 | 14.02 | 11.71 | 16.74 | 4.84  | 0.19  | 0.94  | 0.66  | 0.14  | 0.010  | <0.003 | 0.005  | 0.002  | 0.003  | 0.002  | <0.001 | 0.011  | <0.003 | 0.041  |
| BL5-9   | Drill Core | 2.00  | 30.08 | 10.99 | 25.49 | 15.27 | 3.43  | 0.08  | 0.76  | 0.55  | 0.13  | <0.004 | <0.003 | <0.004 | 0.001  | 0.006  | 0.002  | <0.001 | <0.001 | <0.003 | 0.027  |
| BL5-10  | Drill Core | 2.38  | 30.89 | 9.51  | 24.75 | 17.62 | 4.66  | 0.10  | 1.02  | 0.51  | 0.09  | 0.099  | <0.003 | 0.007  | <0.001 | 0.009  | 0.006  | <0.001 | 0.135  | <0.003 | 0.018  |
| BL5-11  | Drill Core | 3.40  | 32.81 | 7.63  | 23.67 | 18.55 | 5.72  | 0.07  | 0.84  | 0.51  | 0.09  | 0.089  | <0.003 | 0.010  | 0.002  | 0.010  | 0.021  | <0.001 | 0.300  | <0.003 | 0.010  |
| BL5-12  | Drill Core | 2.53  | 37.08 | 8.25  | 16.99 | 20.03 | 6.72  | 0.10  | 0.62  | 0.57  | 0.10  | 0.094  | <0.003 | 0.009  | 0.002  | 0.007  | 0.008  | <0.001 | 0.168  | <0.003 | 0.010  |
| BL5-13  | Drill Core | 2.62  | 35.03 | 8.55  | 18.51 | 22.26 | 5.11  | 0.05  | 0.83  | 0.56  | 0.09  | 0.112  | <0.003 | 0.008  | 0.001  | 0.003  | 0.004  | <0.001 | 0.078  | <0.003 | 0.011  |
| BL5-14  | Drill Core | 3.40  | 6.81  | 1.17  | 61.56 | 4.80  | 1.29  | 0.02  | 0.23  | 0.04  | 0.02  | 0.010  | <0.003 | <0.004 | 0.001  | 0.009  | 0.007  | <0.001 | 0.072  | 0.004  | 0.002  |
| BL5-15  | Drill Core | 3.45  | 18.29 | 0.89  | 45.11 | 14.16 | 2.35  | 0.02  | 0.34  | <0.01 | 0.02  | 0.005  | 0.003  | <0.004 | 0.001  | 0.012  | 0.002  | <0.001 | 0.103  | 0.004  | <0.001 |
| BL5-16  | Drill Core | 2.76  | 13.49 | 1.50  | 51.79 | 9.59  | 2.06  | 0.02  | 0.33  | 0.09  | 0.03  | 0.007  | <0.003 | <0.004 | 0.001  | 0.010  | 0.002  | <0.001 | 0.048  | <0.003 | 0.002  |
| BL5-17  | Drill Core | 4.01  | 14.18 | 0.39  | 51.79 | 9.70  | 2.49  | 0.01  | 0.26  | <0.01 | 0.02  | <0.004 | 0.005  | <0.004 | 0.001  | 0.012  | 0.001  | <0.001 | 0.245  | <0.003 | <0.001 |
| BL5-18  | Drill Core | 3.21  | 7.14  | 0.24  | 62.84 | 4.68  | 1.40  | 0.02  | 0.19  | <0.01 | 0.03  | 0.005  | <0.003 | <0.004 | 0.004  | 0.006  | 0.003  | <0.001 | 0.104  | <0.003 | <0.001 |
| BL5-19  | Drill Core | 2.98  | 21.84 | 4.36  | 40.19 | 12.72 | 3.36  | 0.06  | 0.28  | 0.22  | 0.07  | 0.005  | <0.003 | <0.004 | <0.001 | 0.010  | 0.002  | <0.001 | 0.088  | <0.003 | 0.007  |
| BL5-20  | Drill Core | 3.01  | 6.08  | 1.08  | 61.88 | 5.52  | 0.27  | 0.02  | 0.18  | 0.13  | 0.03  | 0.009  | <0.003 | 0.007  | 0.002  | 0.013  | 0.006  | <0.001 | 0.032  | <0.003 | 0.003  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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 6286 McCleery Street  
 Vancouver BC V6N 1G4 Canada

Project: BACON LAKE  
 Report Date: May 14, 2012

Page: 2 of 3

Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method  | 4XIFe      | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4B    | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  |      |
|---------|------------|--------|--------|--------|-------|-------|-----|-----|-------|------|------|------|------|------|-----|-------|------|------|-----|-----|------|
| Analyte | Zn         | Zr     | V2O5   | LOI    | SUM   | Ba    | Be  | Co  | Cs    | Ga   | Hf   | Nb   | Rb   | Sn   | Sr  | Ta    | Th   | U    | V   | W   |      |
| Unit    | %          | %      | %      | %      | %     | ppm   | ppm | ppm | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm | ppm |      |
| MDL     | 0.001      | 0.002  | 0.002  | -5.11  | 0.01  | 1     | 1   | 0.2 | 0.1   | 0.5  | 0.1  | 0.1  | 0.1  | 0.1  | 0.5 | 0.1   | 0.2  | 0.1  | 8   | 0.5 |      |
| BL1-11  | Drill Core | 0.007  | <0.002 | 0.003  | -0.71 | 100.3 | 80  | <1  | 405.3 | <0.1 | 9.0  | 0.3  | 1.3  | 0.3  | <1  | 32.9  | <0.1 | <0.2 | 0.4 | 47  | 10.8 |
| BL1-12  | Drill Core | 0.010  | <0.002 | 0.014  | 7.65  | 99.48 | 225 | <1  | 39.8  | <0.1 | 9.9  | 0.8  | 1.3  | 1.8  | 1   | 195.1 | <0.1 | 0.5  | 1.1 | 94  | 1.2  |
| BL1-13  | Drill Core | 0.010  | <0.002 | 0.023  | 9.84  | 99.81 | 140 | <1  | 25.1  | <0.1 | 11.1 | 1.1  | 2.2  | 2.1  | 1   | 315.9 | <0.1 | 0.7  | 0.8 | 132 | 0.7  |
| BL1-14  | Drill Core | 0.003  | <0.002 | <0.002 | 22.67 | 100.6 | 4   | <1  | 24.5  | <0.1 | 2.2  | <0.1 | 0.4  | <0.1 | <1  | 298.2 | <0.1 | <0.2 | 0.8 | 14  | 2.2  |
| BL1-15  | Drill Core | 0.009  | <0.002 | 0.008  | 0.09  | 100.0 | 150 | <1  | 25.2  | <0.1 | 7.8  | 0.6  | 0.8  | 1.0  | <1  | 54.7  | <0.1 | <0.2 | 1.0 | 68  | 3.4  |
| BL1-16  | Drill Core | 0.012  | <0.002 | 0.030  | 3.09  | 99.51 | 268 | <1  | 15.3  | 0.2  | 11.7 | 1.5  | 1.6  | 4.2  | 2   | 163.7 | 0.1  | 0.6  | 0.8 | 177 | 0.6  |
| BL1-17  | Drill Core | 0.008  | <0.002 | 0.020  | 2.12  | 100.2 | 111 | <1  | 18.3  | <0.1 | 11.7 | 1.4  | 1.6  | 1.2  | 1   | 128.1 | 0.1  | 0.6  | 1.0 | 115 | 2.3  |
| BL1-18  | Drill Core | 0.004  | <0.002 | <0.002 | -1.61 | 99.59 | 9   | <1  | 25.4  | <0.1 | 8.1  | 0.3  | 0.7  | 0.1  | <1  | 12.6  | <0.1 | <0.2 | 0.9 | 17  | 5.1  |
| BL1-19  | Drill Core | 0.002  | 0.005  | 0.062  | 1.95  | 100.8 | 69  | <1  | 40.8  | <0.1 | 19.0 | 3.1  | 9.8  | 1.5  | 2   | 156.5 | 0.6  | 0.7  | 2.4 | 356 | 3.7  |
| BL1-20  | Drill Core | 0.009  | <0.002 | 0.067  | 2.55  | 101.6 | 67  | <1  | 57.0  | <0.1 | 24.7 | 4.0  | 11.0 | 1.0  | 4   | 330.6 | 0.7  | 0.8  | 4.2 | 398 | 8.6  |
| BL5-1   | Drill Core | 0.008  | <0.002 | 0.018  | 5.14  | 99.42 | 12  | <1  | 15.2  | <0.1 | 6.2  | 0.6  | 0.9  | 0.4  | <1  | 94.1  | <0.1 | 0.3  | 1.2 | 115 | 3.1  |
| BL5-2   | Drill Core | 0.006  | <0.002 | 0.025  | 2.22  | 100.9 | 9   | <1  | 8.9   | <0.1 | 6.6  | 0.8  | 1.3  | <0.1 | <1  | 71.8  | <0.1 | 0.4  | 1.6 | 146 | 2.4  |
| BL5-3   | Drill Core | 0.006  | <0.002 | 0.022  | 4.60  | 100.5 | 55  | <1  | 11.7  | 0.2  | 10.6 | 0.8  | 1.3  | 2.0  | <1  | 180.3 | <0.1 | 0.5  | 0.9 | 130 | 4.5  |
| BL5-4   | Drill Core | <0.001 | <0.002 | <0.002 | 39.47 | 100.3 | 10  | <1  | 2.5   | <0.1 | 1.0  | <0.1 | 0.9  | 0.3  | <1  | 396.7 | <0.1 | <0.2 | 0.8 | 17  | <0.5 |
| BL5-5   | Drill Core | 0.002  | <0.002 | <0.002 | 37.12 | 100.2 | 2   | <1  | 27.1  | <0.1 | 0.7  | <0.1 | 0.5  | <0.1 | <1  | 209.9 | <0.1 | <0.2 | 0.5 | 14  | <0.5 |
| BL5-6   | Drill Core | <0.001 | <0.002 | <0.002 | 40.32 | 100.9 | 1   | <1  | 3.0   | <0.1 | 0.6  | <0.1 | 0.3  | <0.1 | <1  | 173.8 | <0.1 | <0.2 | 0.6 | 9   | <0.5 |
| BL5-7   | Drill Core | 0.012  | <0.002 | 0.029  | 3.93  | 99.36 | 133 | <1  | 15.8  | 0.3  | 12.5 | 1.3  | 2.4  | 6.3  | <1  | 424.6 | 0.1  | 0.6  | 0.9 | 176 | 0.5  |
| BL5-8   | Drill Core | 0.013  | <0.002 | 0.033  | 3.96  | 99.15 | 68  | 2   | 16.7  | 0.3  | 12.3 | 1.6  | 1.8  | 2.7  | <1  | 444.2 | <0.1 | 0.6  | 1.0 | 210 | 0.6  |
| BL5-9   | Drill Core | 0.012  | <0.002 | 0.027  | 3.18  | 101.0 | 23  | <1  | 18.7  | <0.1 | 10.3 | 0.9  | 1.3  | 0.5  | <1  | 296.8 | <0.1 | 0.4  | 1.0 | 156 | 0.8  |
| BL5-10  | Drill Core | 0.108  | <0.002 | 0.025  | 0.37  | 100.6 | 29  | 2   | 14.5  | 0.2  | 7.9  | 0.8  | 1.3  | 0.7  | 1   | 159.9 | <0.1 | 0.4  | 1.3 | 156 | 1.1  |
| BL5-11  | Drill Core | 0.019  | <0.002 | 0.029  | 0.31  | 100.9 | 18  | <1  | 20.4  | 0.1  | 7.9  | 1.0  | 1.5  | 0.6  | 2   | 96.6  | <0.1 | 0.5  | 1.6 | 164 | 1.2  |
| BL5-12  | Drill Core | 0.011  | <0.002 | 0.033  | 2.15  | 100.3 | 30  | <1  | 14.9  | <0.1 | 8.2  | 1.0  | 1.3  | 0.6  | <1  | 111.6 | <0.1 | 0.5  | 1.4 | 187 | 1.1  |
| BL5-13  | Drill Core | 0.005  | <0.002 | 0.036  | 1.20  | 100.4 | 22  | <1  | 10.5  | <0.1 | 7.8  | 1.0  | 1.5  | 1.0  | 2   | 112.1 | <0.1 | 0.4  | 1.5 | 199 | 3.2  |
| BL5-14  | Drill Core | 0.005  | <0.002 | <0.002 | -1.66 | 100.9 | 8   | <1  | 25.1  | <0.1 | 6.0  | <0.1 | 1.1  | 0.1  | <1  | 17.7  | <0.1 | <0.2 | 0.2 | 29  | 1.8  |
| BL5-15  | Drill Core | 0.004  | <0.002 | <0.002 | -0.44 | 100.3 | 6   | <1  | 22.9  | <0.1 | 7.4  | <0.1 | 0.3  | <0.1 | 2   | 7.5   | <0.1 | <0.2 | 1.0 | 19  | 9.7  |
| BL5-16  | Drill Core | 0.004  | <0.002 | <0.002 | -0.90 | 100.3 | 5   | <1  | 20.2  | <0.1 | 5.1  | 0.1  | 0.7  | <0.1 | <1  | 11.2  | <0.1 | <0.2 | 0.7 | 26  | 3.4  |
| BL5-17  | Drill Core | 0.004  | <0.002 | <0.002 | -1.48 | 99.91 | 6   | 1   | 25.5  | <0.1 | 4.7  | <0.1 | 0.7  | <0.1 | <1  | 6.2   | <0.1 | <0.2 | 0.4 | 14  | 7.1  |
| BL5-18  | Drill Core | 0.005  | <0.002 | <0.002 | -2.05 | 101.6 | 8   | 2   | 23.6  | <0.1 | 5.2  | <0.1 | 0.5  | <0.1 | <1  | 5.5   | <0.1 | <0.2 | 0.3 | 18  | 33.6 |
| BL5-19  | Drill Core | 0.005  | <0.002 | 0.011  | -0.25 | 100.3 | 22  | <1  | 11.3  | <0.1 | 11.3 | 0.5  | 0.9  | 0.5  | 2   | 74.1  | <0.1 | 0.2  | 0.9 | 84  | 4.1  |
| BL5-20  | Drill Core | 0.003  | <0.002 | 0.009  | -1.14 | 100.7 | 8   | <1  | 22.0  | <0.1 | 8.1  | 0.2  | 0.6  | <0.1 | 2   | 31.5  | <0.1 | <0.2 | 0.3 | 56  | 26.0 |

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Project: BACON LAKE  
 Report Date: May 14, 2012

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Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method | Analyte    | Unit | MDL | 4B<br>Zr | 4B<br>Y | 4B<br>La | 4B<br>Ce | 4B<br>Pr | 4B<br>Nd | 4B<br>Sm | 4B<br>Eu | 4B<br>Gd | 4B<br>Tb | 4B<br>Dy | 4B<br>Ho | 4B<br>Er | 4B<br>Tm | 4B<br>Yb | 4B<br>Lu | 1DX<br>Mo | 1DX<br>Cu | 1DX<br>Pb | 1DX<br>Zn |
|--------|------------|------|-----|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
|        |            |      |     | ppm      | ppm     | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm       | ppm       | ppm       | ppm       |
|        |            |      |     | 0.1      | 0.1     | 0.1      | 0.1      | 0.02     | 0.3      | 0.05     | 0.02     | 0.05     | 0.01     | 0.05     | 0.02     | 0.03     | 0.01     | 0.05     | 0.01     | 0.1       | 0.1       | 0.1       | 1         |
| BL1-11 | Drill Core |      |     | 9.3      | 3.9     | 0.7      | 1.2      | 0.19     | 1.0      | 0.27     | 0.04     | 0.34     | 0.09     | 0.59     | 0.16     | 0.43     | 0.08     | 0.40     | 0.07     | 0.2       | 18.4      | 1.0       | 51        |
| BL1-12 | Drill Core |      |     | 29.4     | 9.6     | 4.4      | 8.0      | 1.04     | 4.0      | 1.19     | 0.33     | 1.47     | 0.25     | 1.61     | 0.35     | 1.06     | 0.18     | 1.08     | 0.15     | 0.4       | 6.3       | 1.5       | 72        |
| BL1-13 | Drill Core |      |     | 39.0     | 10.5    | 5.9      | 10.2     | 1.45     | 7.0      | 1.71     | 0.37     | 1.81     | 0.31     | 1.88     | 0.46     | 1.17     | 0.18     | 1.16     | 0.19     | 1.5       | 7.6       | 1.4       | 81        |
| BL1-14 | Drill Core |      |     | 1.0      | 2.8     | 0.4      | 0.3      | 0.06     | <0.3     | 0.15     | 0.03     | 0.16     | 0.05     | 0.33     | 0.07     | 0.31     | 0.04     | 0.25     | 0.04     | 0.5       | 37.7      | 0.9       | 17        |
| BL1-15 | Drill Core |      |     | 20.3     | 5.6     | 3.0      | 4.8      | 0.64     | 2.3      | 0.70     | 0.19     | 0.73     | 0.14     | 0.88     | 0.18     | 0.64     | 0.09     | 0.75     | 0.10     | 1.5       | 15.6      | 1.8       | 57        |
| BL1-16 | Drill Core |      |     | 51.5     | 11.6    | 6.3      | 12.3     | 1.61     | 7.0      | 1.98     | 0.43     | 2.10     | 0.34     | 2.21     | 0.42     | 1.35     | 0.20     | 1.23     | 0.19     | 2.5       | 11.1      | 6.0       | 62        |
| BL1-17 | Drill Core |      |     | 41.2     | 10.8    | 4.4      | 8.3      | 1.16     | 5.7      | 1.38     | 0.64     | 1.64     | 0.29     | 1.71     | 0.35     | 1.06     | 0.18     | 1.19     | 0.19     | 0.8       | 62.7      | 1.0       | 39        |
| BL1-18 | Drill Core |      |     | 6.7      | 6.3     | 1.0      | 1.6      | 0.28     | 1.7      | 0.51     | 0.40     | 0.54     | 0.12     | 0.91     | 0.23     | 0.78     | 0.12     | 0.84     | 0.14     | 0.2       | 781.7     | 1.9       | 32        |
| BL1-19 | Drill Core |      |     | 128.5    | 30.3    | 10.7     | 19.2     | 2.66     | 11.4     | 4.07     | 2.36     | 5.09     | 0.88     | 5.02     | 1.25     | 3.28     | 0.45     | 3.05     | 0.45     | 0.6       | 501.3     | 1.9       | 28        |
| BL1-20 | Drill Core |      |     | 136.0    | 33.4    | 41.8     | 53.7     | 6.18     | 25.9     | 6.11     | 4.42     | 7.11     | 1.12     | 6.39     | 1.36     | 3.54     | 0.51     | 2.92     | 0.47     | 6.3       | 2136      | 2.6       | 79        |
| BL5-1  | Drill Core |      |     | 20.7     | 7.6     | 19.9     | 23.5     | 2.17     | 7.0      | 1.27     | 0.46     | 1.27     | 0.22     | 1.35     | 0.28     | 0.84     | 0.13     | 0.88     | 0.14     | 0.4       | 166.9     | 1.0       | 44        |
| BL5-2  | Drill Core |      |     | 26.3     | 9.4     | 57.3     | 64.7     | 5.51     | 16.5     | 1.98     | 0.59     | 1.95     | 0.26     | 1.40     | 0.36     | 1.06     | 0.14     | 0.82     | 0.16     | 0.2       | 23.2      | 0.8       | 26        |
| BL5-3  | Drill Core |      |     | 35.0     | 10.7    | 12.6     | 16.9     | 2.04     | 8.3      | 1.82     | 0.43     | 2.09     | 0.32     | 2.02     | 0.39     | 1.15     | 0.16     | 1.09     | 0.15     | 0.3       | 4.0       | 0.9       | 26        |
| BL5-4  | Drill Core |      |     | 5.3      | 1.7     | 1.0      | 1.7      | 0.23     | 1.2      | 0.29     | 0.03     | 0.32     | 0.05     | 0.30     | 0.06     | 0.19     | 0.03     | 0.21     | 0.02     | 0.2       | 15.0      | 0.2       | 8         |
| BL5-5  | Drill Core |      |     | 2.4      | 2.3     | 0.7      | 1.1      | 0.15     | 0.5      | 0.26     | 0.06     | 0.31     | 0.06     | 0.28     | 0.05     | 0.17     | 0.03     | 0.18     | 0.04     | 0.5       | 633.4     | 0.8       | 25        |
| BL5-6  | Drill Core |      |     | 1.0      | 0.8     | 0.5      | 0.4      | 0.05     | <0.3     | 0.09     | 0.04     | 0.14     | 0.01     | 0.06     | <0.02    | 0.08     | <0.01    | 0.07     | 0.01     | 0.2       | 14.8      | 0.3       | 5         |
| BL5-7  | Drill Core |      |     | 55.9     | 14.3    | 2.6      | 6.8      | 1.16     | 5.9      | 1.84     | 0.37     | 2.10     | 0.40     | 2.26     | 0.49     | 1.50     | 0.22     | 1.54     | 0.23     | 0.4       | 16.6      | 1.7       | 75        |
| BL5-8  | Drill Core |      |     | 51.3     | 15.1    | 3.0      | 7.0      | 1.22     | 5.6      | 2.02     | 0.46     | 2.41     | 0.40     | 2.88     | 0.58     | 1.58     | 0.23     | 1.58     | 0.26     | 0.3       | 11.6      | 1.3       | 78        |
| BL5-9  | Drill Core |      |     | 34.0     | 9.7     | 1.8      | 5.4      | 0.92     | 4.9      | 1.57     | 0.47     | 1.75     | 0.29     | 1.70     | 0.39     | 0.95     | 0.14     | 1.01     | 0.15     | 0.3       | 24.1      | 0.7       | 57        |
| BL5-10 | Drill Core |      |     | 30.0     | 11.7    | 25.3     | 32.2     | 2.97     | 10.6     | 1.67     | 0.46     | 2.02     | 0.31     | 2.00     | 0.50     | 1.28     | 0.20     | 1.31     | 0.18     | 1.5       | 57.6      | 2.2       | 935       |
| BL5-11 | Drill Core |      |     | 32.5     | 13.1    | 53.7     | 64.0     | 5.73     | 16.8     | 2.35     | 0.72     | 2.45     | 0.37     | 2.01     | 0.50     | 1.47     | 0.22     | 1.53     | 0.29     | 1.7       | 62.0      | 2.4       | 147       |
| BL5-12 | Drill Core |      |     | 32.8     | 10.6    | 46.4     | 53.1     | 4.90     | 14.7     | 2.42     | 0.63     | 2.11     | 0.34     | 1.88     | 0.42     | 1.21     | 0.17     | 1.06     | 0.19     | 0.2       | 39.1      | 2.0       | 61        |
| BL5-13 | Drill Core |      |     | 32.6     | 15.4    | 67.3     | 78.5     | 6.63     | 20.7     | 2.76     | 0.91     | 3.13     | 0.44     | 2.82     | 0.68     | 1.77     | 0.27     | 1.83     | 0.25     | 0.4       | 22.2      | 1.3       | 42        |
| BL5-14 | Drill Core |      |     | 2.6      | 1.5     | 18.5     | 18.5     | 1.51     | 5.3      | 0.54     | 0.21     | 0.50     | 0.06     | 0.31     | 0.07     | 0.14     | 0.03     | 0.16     | 0.03     | 0.5       | 22.6      | 1.3       | 33        |
| BL5-15 | Drill Core |      |     | 1.2      | 2.9     | 0.4      | 0.5      | 0.12     | 0.5      | 0.23     | 0.28     | 0.24     | 0.05     | 0.37     | 0.09     | 0.27     | 0.04     | 0.33     | 0.06     | 0.4       | 43.9      | 1.2       | 26        |
| BL5-16 | Drill Core |      |     | 8.5      | 3.0     | 11.8     | 12.3     | 1.08     | 2.7      | 0.63     | 0.26     | 0.58     | 0.09     | 0.49     | 0.11     | 0.30     | 0.04     | 0.38     | 0.05     | 0.7       | 47.7      | 1.3       | 27        |
| BL5-17 | Drill Core |      |     | 1.0      | 0.8     | 0.4      | 0.6      | 0.07     | 0.8      | 0.10     | 0.10     | 0.11     | <0.01    | 0.13     | 0.02     | 0.07     | <0.01    | 0.11     | 0.02     | 0.8       | 89.1      | 1.4       | 32        |
| BL5-18 | Drill Core |      |     | 1.1      | 0.2     | 0.5      | 0.4      | 0.06     | 0.4      | 0.12     | 0.05     | <0.05    | <0.01    | <0.05    | <0.02    | 0.04     | <0.01    | 0.09     | 0.01     | 1.1       | 47.7      | 1.2       | 36        |
| BL5-19 | Drill Core |      |     | 19.3     | 5.6     | 6.4      | 9.0      | 0.94     | 3.7      | 0.80     | 0.42     | 1.02     | 0.15     | 1.16     | 0.21     | 0.60     | 0.08     | 0.65     | 0.11     | 0.6       | 67.5      | 1.0       | 24        |
| BL5-20 | Drill Core |      |     | 10.0     | 3.5     | 2.3      | 3.8      | 0.46     | 2.0      | 0.56     | 0.23     | 0.63     | 0.09     | 0.67     | 0.13     | 0.39     | 0.07     | 0.58     | 0.07     | 0.6       | 93.2      | 0.9       | 25        |

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 Report Date: May 14, 2012

Page: 2 of 3

Part: 4 of 4

CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method | Analyte    | 1DX Ni | 1DX As | 1DX Cd | 1DX Sb | 1DX Bi | 1DX Ag | 1DX Au | 1DX Hg | 1DX Tl | 1DX Se |
|--------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Unit   | MDL        | ppm    | ppm    | ppm    | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    | ppm    |
|        |            | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| BL1-11 | Drill Core | 9.0    | 450.4  | 0.1    | 0.5    | 20.6   | 0.1    | 838.2  | <0.01  | <0.1   | <0.5   |
| BL1-12 | Drill Core | 4.8    | 47.6   | 0.2    | 0.4    | 4.1    | <0.1   | 121.3  | <0.01  | <0.1   | <0.5   |
| BL1-13 | Drill Core | 3.8    | 15.5   | 0.1    | <0.1   | 1.8    | <0.1   | 48.9   | <0.01  | <0.1   | <0.5   |
| BL1-14 | Drill Core | 1.1    | 82.4   | <0.1   | 1.0    | 7.3    | 0.5    | 4353   | <0.01  | <0.1   | <0.5   |
| BL1-15 | Drill Core | 6.8    | 47.9   | 0.1    | 5.2    | 3.5    | 0.2    | 572.0  | <0.01  | 0.1    | <0.5   |
| BL1-16 | Drill Core | 8.4    | 4.8    | 0.2    | 0.2    | 0.2    | <0.1   | 9.8    | <0.01  | <0.1   | <0.5   |
| BL1-17 | Drill Core | 11.6   | 12.8   | <0.1   | 0.2    | 0.5    | <0.1   | 2.5    | <0.01  | <0.1   | <0.5   |
| BL1-18 | Drill Core | 6.5    | 79.8   | 0.2    | 3.0    | 5.2    | 0.7    | 28.6   | <0.01  | <0.1   | <0.5   |
| BL1-19 | Drill Core | 43.8   | 25.8   | 0.2    | 0.3    | 6.0    | 0.2    | 15.0   | <0.01  | <0.1   | 1.2    |
| BL1-20 | Drill Core | 59.9   | 46.2   | 0.7    | 0.3    | 5.5    | 2.6    | 481.0  | <0.01  | <0.1   | 0.8    |
| BL5-1  | Drill Core | 21.5   | 23.0   | 0.1    | 0.2    | 0.7    | 0.1    | 10.1   | <0.01  | <0.1   | <0.5   |
| BL5-2  | Drill Core | 19.0   | 29.2   | <0.1   | 0.2    | 1.4    | <0.1   | 769.2  | <0.01  | <0.1   | <0.5   |
| BL5-3  | Drill Core | 10.5   | 37.1   | <0.1   | <0.1   | <0.1   | <0.1   | 2.1    | <0.01  | <0.1   | <0.5   |
| BL5-4  | Drill Core | <0.1   | 4.2    | <0.1   | <0.1   | <0.1   | <0.1   | 2.0    | <0.01  | <0.1   | <0.5   |
| BL5-5  | Drill Core | 3.5    | 80.4   | 0.2    | <0.1   | <0.1   | 0.4    | 12.5   | <0.01  | <0.1   | 1.4    |
| BL5-6  | Drill Core | <0.1   | 2.5    | <0.1   | <0.1   | <0.1   | <0.1   | 3.2    | <0.01  | <0.1   | <0.5   |
| BL5-7  | Drill Core | 5.8    | 4.0    | 0.1    | 0.3    | <0.1   | <0.1   | 3.5    | <0.01  | <0.1   | <0.5   |
| BL5-8  | Drill Core | 4.8    | 4.4    | <0.1   | 0.4    | <0.1   | <0.1   | 5.0    | <0.01  | <0.1   | <0.5   |
| BL5-9  | Drill Core | 6.4    | 4.7    | <0.1   | 0.4    | <0.1   | <0.1   | 0.9    | <0.01  | <0.1   | <0.5   |
| BL5-10 | Drill Core | 30.3   | 20.1   | 5.0    | 0.3    | <0.1   | <0.1   | 4.1    | 0.06   | <0.1   | <0.5   |
| BL5-11 | Drill Core | 34.5   | 26.1   | 0.7    | 0.4    | 0.1    | <0.1   | 1.9    | <0.01  | <0.1   | <0.5   |
| BL5-12 | Drill Core | 22.5   | 21.1   | 0.2    | 0.2    | <0.1   | <0.1   | 1.2    | <0.01  | <0.1   | <0.5   |
| BL5-13 | Drill Core | 25.2   | 18.8   | 0.2    | 0.3    | <0.1   | <0.1   | 1.1    | <0.01  | <0.1   | <0.5   |
| BL5-14 | Drill Core | 49.9   | 15.4   | 0.1    | 0.2    | 1.3    | <0.1   | 5.8    | <0.01  | <0.1   | <0.5   |
| BL5-15 | Drill Core | 11.4   | 53.5   | <0.1   | 0.2    | 0.5    | <0.1   | 4.4    | <0.01  | <0.1   | <0.5   |
| BL5-16 | Drill Core | 10.7   | 22.6   | <0.1   | 0.2    | 0.7    | <0.1   | 8.0    | <0.01  | <0.1   | <0.5   |
| BL5-17 | Drill Core | 8.7    | 73.6   | <0.1   | 0.4    | 0.5    | 0.1    | 11.2   | <0.01  | <0.1   | <0.5   |
| BL5-18 | Drill Core | 6.4    | 32.3   | <0.1   | 0.6    | <0.1   | <0.1   | 4.4    | <0.01  | <0.1   | <0.5   |
| BL5-19 | Drill Core | 14.9   | 22.2   | <0.1   | 0.1    | 0.4    | <0.1   | 4.5    | <0.01  | <0.1   | <0.5   |
| BL5-20 | Drill Core | 21.8   | 22.5   | 0.1    | 0.3    | 0.1    | 0.1    | 4.2    | <0.01  | <0.1   | <0.5   |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: BACON LAKE  
 Report Date: May 14, 2012

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CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method  | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe | 4XIFe  | 4XIFe | 4XIFe  |        |
|---------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|--------|-------|--------|--------|
| Analyte | Wgt        | SiO2  | Al2O3 | Fe    | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As     | Ba     | Co     | Cu     | Ni    | Pb    | S      | Sn    | Sr     |        |
| Unit    | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %     | %      | %     | %      |        |
| MDL     | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003  | 0.004  | 0.001  | 0.001  | 0.001 | 0.001 | 0.001  | 0.003 | 0.001  |        |
| BL7-1   | Drill Core | 1.98  | 1.64  | 0.17  | 19.21 | >30   | 0.11  | <0.01 | 0.10  | <0.01 | 0.02  | <0.004 | <0.003 | <0.004 | 0.003  | 0.005 | 0.002 | <0.001 | 0.124 | <0.003 | 0.037  |
| BL7-2   | Drill Core | 2.67  | 4.25  | 0.56  | 63.94 | 4.03  | 0.15  | 0.03  | 0.15  | 0.02  | 0.03  | <0.004 | 0.018  | <0.004 | 0.009  | 0.024 | 0.002 | <0.001 | 0.939 | 0.003  | 0.002  |
| BL7-3   | Drill Core | 2.14  | 7.38  | 2.13  | 55.39 | 6.01  | 0.87  | 0.01  | 0.22  | 0.05  | 0.04  | <0.004 | 0.079  | <0.004 | 0.064  | 0.011 | 0.003 | <0.001 | 2.671 | <0.003 | 0.006  |
| BL7-4   | Drill Core | 1.51  | 2.30  | 0.10  | 6.53  | >30   | 0.16  | <0.01 | 0.13  | <0.01 | 0.03  | <0.004 | <0.003 | <0.004 | 0.002  | 0.006 | 0.002 | 0.012  | 0.350 | <0.003 | 0.039  |
| BL7-5   | Drill Core | 1.80  | 8.63  | 0.42  | 58.08 | 7.07  | 0.16  | 0.02  | 0.19  | <0.01 | 0.03  | 0.015  | 0.005  | <0.004 | 0.002  | 0.025 | 0.013 | <0.001 | 0.865 | 0.004  | 0.001  |
| BL7-6   | Drill Core | 1.61  | 33.46 | 9.32  | 16.43 | 28.34 | 0.34  | <0.01 | 0.60  | 1.20  | 0.12  | 0.019  | <0.003 | <0.004 | 0.001  | 0.004 | 0.006 | 0.001  | 0.496 | <0.003 | 0.018  |
| BL7-7   | Drill Core | 1.70  | 35.41 | 15.72 | 14.69 | 19.90 | 1.21  | 0.14  | 0.31  | 1.83  | 0.19  | 0.033  | <0.003 | <0.004 | 0.001  | 0.009 | 0.008 | <0.001 | 0.381 | <0.003 | 0.060  |
| BL7-8   | Drill Core | 1.58  | 42.77 | 12.96 | 10.82 | 18.10 | 4.56  | 0.39  | 0.35  | 2.33  | 0.20  | 0.022  | <0.003 | 0.006  | 0.002  | 0.002 | 0.006 | 0.001  | 0.041 | <0.003 | 0.036  |
| BL7-9   | Drill Core | 1.70  | 40.60 | 13.53 | 12.03 | 18.75 | 4.35  | 0.38  | 0.33  | 2.24  | 0.19  | 0.023  | <0.003 | 0.010  | <0.001 | 0.003 | 0.005 | 0.001  | 0.036 | <0.003 | 0.039  |
| BL7-10  | Drill Core | 0.89  | 12.10 | 1.33  | 56.21 | 5.45  | 1.46  | 0.06  | 0.15  | 0.13  | 0.09  | <0.004 | <0.003 | <0.004 | <0.001 | 0.006 | 0.005 | 0.001  | 0.042 | <0.003 | 0.002  |
| BL7-11  | Drill Core | 2.55  | 16.19 | 2.03  | 50.66 | 6.50  | 2.61  | 0.07  | 0.24  | 0.06  | 0.09  | <0.004 | <0.003 | <0.004 | 0.002  | 0.423 | 0.005 | 0.001  | 0.521 | 0.003  | 0.006  |
| BL7-12  | Drill Core | 3.28  | 9.20  | 0.30  | 61.45 | 2.97  | 1.69  | 0.03  | 0.16  | <0.01 | 0.04  | <0.004 | <0.003 | <0.004 | <0.001 | 0.204 | 0.006 | <0.001 | 0.240 | <0.003 | <0.001 |
| BL7-13  | Drill Core | 3.20  | 10.65 | 0.64  | 58.73 | 4.55  | 1.72  | 0.04  | 0.18  | 0.06  | 0.06  | <0.004 | <0.003 | 0.004  | <0.001 | 0.360 | 0.009 | 0.001  | 0.472 | 0.004  | <0.001 |



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Project: BACON LAKE  
 Report Date: May 14, 2012

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CERTIFICATE OF ANALYSIS

VAN12001403.1

| Method  | 4XIFe      | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4B    | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  |      |
|---------|------------|-------|--------|--------|-------|-------|-----|-----|-------|------|------|------|------|------|-----|-------|------|------|-----|-----|------|
| Analyte | Zn         | Zr    | V2O5   | LOI    | SUM   | Ba    | Be  | Co  | Cs    | Ga   | Hf   | Nb   | Rb   | Sn   | Sr  | Ta    | Th   | U    | V   | W   |      |
| Unit    | %          | %     | %      | %      | %     | ppm   | ppm | ppm | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm | ppm |      |
| MDL     | 0.001      | 0.002 | 0.002  | -5.11  | 0.01  | 1     | 1   | 0.2 | 0.1   | 0.5  | 0.1  | 0.1  | 0.1  | 1    | 0.5 | 0.1   | 0.2  | 0.1  | 8   | 0.5 |      |
| BL7-1   | Drill Core | 0.002 | <0.002 | <0.002 | 29.86 | 100.5 | 2   | <1  | 29.3  | <0.1 | <0.5 | <0.1 | 0.1  | <0.1 | <1  | 394.6 | <0.1 | <0.2 | 0.8 | <8  | 0.6  |
| BL7-2   | Drill Core | 0.004 | <0.002 | <0.002 | -2.63 | 99.03 | 8   | <1  | 97.4  | <0.1 | 4.3  | 0.2  | 0.6  | <0.1 | <1  | 16.6  | <0.1 | <0.2 | 0.7 | 9   | 30.8 |
| BL7-3   | Drill Core | 0.006 | <0.002 | 0.003  | -1.58 | 97.24 | 8   | <1  | 640.9 | <0.1 | 6.9  | 0.3  | 0.8  | <0.1 | <1  | 51.7  | <0.1 | <0.2 | 1.1 | 27  | 36.3 |
| BL7-4   | Drill Core | 0.029 | <0.002 | <0.002 | 37.51 | 99.93 | 1   | <1  | 15.7  | <0.1 | 0.7  | 0.2  | 0.3  | 0.6  | <1  | 419.8 | <0.1 | <0.2 | 1.2 | 15  | <0.5 |
| BL7-5   | Drill Core | 0.004 | <0.002 | <0.002 | -1.77 | 98.74 | 9   | 3   | 32.8  | <0.1 | 4.5  | 0.5  | 0.4  | 0.7  | <1  | 15.5  | <0.1 | <0.2 | 0.6 | 20  | 10.0 |
| BL7-6   | Drill Core | 0.002 | <0.002 | 0.038  | 2.50  | 99.98 | 6   | <1  | 11.2  | <0.1 | 14.8 | 2.5  | 5.3  | 0.6  | <1  | 205.5 | 0.2  | 0.5  | 1.3 | 247 | 5.6  |
| BL7-7   | Drill Core | 0.005 | 0.004  | 0.058  | 3.46  | 99.76 | 39  | 2   | 14.7  | <0.1 | 21.9 | 2.9  | 8.2  | 1.6  | 3   | 620.4 | 0.5  | 0.7  | 2.4 | 337 | 0.8  |
| BL7-8   | Drill Core | 0.007 | 0.006  | 0.070  | 2.43  | 99.77 | 68  | <1  | 13.7  | 0.2  | 19.9 | 3.7  | 10.6 | 2.0  | 2   | 385.3 | 0.6  | 0.9  | 0.9 | 389 | 0.5  |
| BL7-9   | Drill Core | 0.006 | 0.007  | 0.074  | 2.29  | 100.1 | 49  | <1  | 13.0  | <0.1 | 24.2 | 3.4  | 10.2 | 1.5  | 2   | 401.7 | 0.7  | 0.8  | 1.0 | 394 | <0.5 |
| BL7-10  | Drill Core | 0.004 | <0.002 | 0.008  | -0.06 | 101.2 | 9   | <1  | 9.0   | <0.1 | 9.4  | 0.2  | 1.8  | 0.6  | <1  | 35.7  | <0.1 | <0.2 | 0.4 | 35  | 4.4  |
| BL7-11  | Drill Core | 0.025 | <0.002 | <0.002 | -1.17 | 100.1 | 9   | 3   | 22.2  | <0.1 | 8.6  | 0.5  | 0.5  | 0.7  | <1  | 53.0  | <0.1 | 0.3  | 1.0 | <8  | 36.7 |
| BL7-12  | Drill Core | 0.013 | <0.002 | <0.002 | -1.83 | 100.9 | 4   | <1  | 15.2  | <0.1 | 8.3  | 0.2  | 0.1  | 0.6  | <1  | 7.1   | <0.1 | <0.2 | 0.5 | <8  | 23.0 |
| BL7-13  | Drill Core | 0.019 | <0.002 | 0.002  | -2.15 | 100.7 | 6   | <1  | 19.4  | <0.1 | 8.0  | 0.2  | 0.4  | 0.6  | <1  | 15.1  | <0.1 | <0.2 | 0.6 | 9   | 20.2 |



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Project: BACON LAKE  
 Report Date: May 14, 2012

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CERTIFICATE OF ANALYSIS

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| Method  | 4B         | 4B    | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B   | 4B    | 4B   | 4B    | 4B    | 1DX   | 1DX | 1DX   | 1DX   |     |
|---------|------------|-------|------|------|------|-------|------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|-----|-------|-------|-----|
| Analyte | Zr         | Y     | La   | Ce   | Pr   | Nd    | Sm   | Eu    | Gd    | Tb    | Dy    | Ho   | Er    | Tm   | Yb    | Lu    | Mo    | Cu  | Pb    | Zn    |     |
| Unit    | ppm        | ppm   | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm | ppm   | ppm   |     |
| MDL     | 0.1        | 0.1   | 0.1  | 0.1  | 0.02 | 0.3   | 0.05 | 0.02  | 0.05  | 0.01  | 0.05  | 0.02 | 0.03  | 0.01 | 0.05  | 0.01  | 0.1   | 0.1 | 0.1   | 1     |     |
| BL7-1   | Drill Core | 0.6   | 0.9  | 0.2  | <0.1 | <0.02 | <0.3 | 0.10  | <0.02 | <0.05 | <0.01 | 0.09 | <0.02 | 0.04 | <0.01 | <0.05 | <0.01 | 0.3 | 20.2  | 0.6   | 13  |
| BL7-2   | Drill Core | 5.1   | 2.0  | 0.4  | 0.3  | 0.04  | <0.3 | 0.08  | 0.04  | 0.24  | 0.04  | 0.31 | 0.07  | 0.16 | 0.04  | 0.22  | 0.03  | 1.2 | 201.6 | 4.4   | 30  |
| BL7-3   | Drill Core | 11.2  | 2.6  | 3.6  | 4.3  | 0.48  | 1.7  | 0.47  | 0.21  | 0.39  | 0.07  | 0.36 | 0.09  | 0.26 | 0.03  | 0.30  | 0.04  | 1.1 | 69.1  | 15.6  | 53  |
| BL7-4   | Drill Core | 0.8   | 0.6  | 0.4  | 0.2  | 0.08  | 0.4  | 0.20  | 0.06  | 0.25  | 0.03  | 0.06 | 0.04  | 0.11 | 0.02  | 0.25  | 0.02  | 1.8 | 67.7  | 109.7 | 264 |
| BL7-5   | Drill Core | 1.0   | 3.0  | 0.6  | 0.5  | 0.09  | 0.8  | 0.25  | 0.14  | 0.37  | 0.06  | 0.48 | 0.12  | 0.31 | 0.06  | 0.43  | 0.06  | 1.9 | 234.7 | 5.3   | 36  |
| BL7-6   | Drill Core | 70.7  | 18.9 | 6.7  | 12.5 | 1.83  | 8.9  | 2.69  | 1.60  | 3.18  | 0.58  | 3.69 | 0.70  | 2.14 | 0.28  | 1.77  | 0.31  | 5.3 | 11.9  | 2.9   | 17  |
| BL7-7   | Drill Core | 103.0 | 26.4 | 8.8  | 19.4 | 2.70  | 12.3 | 4.13  | 3.49  | 5.21  | 0.91  | 5.56 | 1.06  | 3.20 | 0.41  | 2.52  | 0.37  | 3.0 | 103.2 | 1.8   | 47  |
| BL7-8   | Drill Core | 129.7 | 28.4 | 12.3 | 27.5 | 4.07  | 18.0 | 5.19  | 2.84  | 6.00  | 1.00  | 6.17 | 1.22  | 3.58 | 0.47  | 2.87  | 0.45  | 4.5 | 13.0  | 0.8   | 25  |
| BL7-9   | Drill Core | 124.3 | 34.8 | 19.7 | 36.7 | 4.87  | 23.1 | 5.58  | 4.15  | 6.71  | 1.11  | 6.70 | 1.36  | 3.62 | 0.46  | 2.91  | 0.45  | 1.1 | 10.4  | 0.9   | 31  |
| BL7-10  | Drill Core | 7.9   | 1.9  | 4.1  | 3.6  | 0.42  | 1.5  | 0.35  | 0.31  | 0.47  | 0.06  | 0.38 | 0.07  | 0.25 | 0.02  | 0.17  | 0.02  | 6.0 | 23.6  | 0.9   | 26  |
| BL7-11  | Drill Core | 8.4   | 3.0  | 3.1  | 4.3  | 0.43  | 1.5  | 0.39  | 0.61  | 0.48  | 0.09  | 0.73 | 0.11  | 0.39 | 0.07  | 0.43  | 0.06  | 2.3 | 5566  | 1.4   | 223 |
| BL7-12  | Drill Core | 1.0   | 0.4  | 0.6  | 0.2  | 0.04  | 0.4  | <0.05 | 0.02  | 0.05  | 0.02  | 0.11 | 0.05  | 0.07 | 0.03  | 0.34  | 0.03  | 1.5 | 2665  | 1.1   | 110 |
| BL7-13  | Drill Core | 4.2   | 1.2  | 3.1  | 3.3  | 0.29  | 0.7  | 0.18  | 0.11  | 0.11  | 0.03  | 0.20 | 0.03  | 0.10 | 0.01  | <0.05 | <0.01 | 2.8 | 4604  | 1.1   | 155 |



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CERTIFICATE OF ANALYSIS

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| Method  | 1DX        | 1DX  | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|---------|------------|------|-------|------|-----|------|------|-------|-------|------|------|
| Analyte | Ni         | As   | Cd    | Sb   | Bi  | Ag   | Au   | Hg    | Tl    | Se   |      |
| Unit    | ppm        | ppm  | ppm   | ppm  | ppm | ppm  | ppb  | ppm   | ppm   | ppm  | ppm  |
| MDL     | 0.1        | 0.5  | 0.1   | 0.1  | 0.1 | 0.1  | 0.5  | 0.01  | 0.1   | 0.5  |      |
| BL7-1   | Drill Core | 1.5  | 50.3  | <0.1 | 0.1 | 23.2 | <0.1 | 281.6 | <0.01 | <0.1 | <0.5 |
| BL7-2   | Drill Core | 13.2 | 162.4 | 0.1  | 2.0 | 10.9 | 0.6  | 38.0  | <0.01 | <0.1 | <0.5 |
| BL7-3   | Drill Core | 23.8 | 701.3 | 0.2  | 1.2 | 5.0  | 0.8  | 151.1 | <0.01 | <0.1 | 1.1  |
| BL7-4   | Drill Core | 6.6  | 25.3  | 2.2  | 0.1 | 0.8  | 0.3  | <0.5  | <0.01 | <0.1 | 2.2  |
| BL7-5   | Drill Core | 19.6 | 64.4  | 0.2  | 0.4 | 2.0  | 0.6  | 36.6  | <0.01 | <0.1 | 1.8  |
| BL7-6   | Drill Core | 54.3 | 57.7  | <0.1 | 0.2 | 1.5  | 0.2  | 12.5  | <0.01 | <0.1 | 1.6  |
| BL7-7   | Drill Core | 24.3 | 21.2  | 0.4  | 0.6 | 0.4  | 0.1  | 5.7   | <0.01 | <0.1 | 1.7  |
| BL7-8   | Drill Core | 30.2 | 7.4   | <0.1 | 0.4 | 0.1  | <0.1 | <0.5  | <0.01 | <0.1 | 1.5  |
| BL7-9   | Drill Core | 17.5 | 6.2   | <0.1 | 0.4 | <0.1 | <0.1 | 0.8   | <0.01 | <0.1 | 1.4  |
| BL7-10  | Drill Core | 24.4 | 7.9   | <0.1 | 0.4 | 0.2  | <0.1 | 7.2   | <0.01 | <0.1 | 1.3  |
| BL7-11  | Drill Core | 33.4 | 24.0  | 2.1  | 0.7 | 0.5  | 4.7  | 167.5 | <0.01 | <0.1 | 3.4  |
| BL7-12  | Drill Core | 28.8 | 16.9  | 1.0  | 0.9 | 0.1  | 2.2  | 29.4  | <0.01 | <0.1 | 1.9  |
| BL7-13  | Drill Core | 68.4 | 19.9  | 1.3  | 0.9 | 0.4  | 3.0  | 249.2 | <0.01 | <0.1 | 2.9  |



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QUALITY CONTROL REPORT

VAN12001403.1

| Method                 | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe  | 4XIFe  |
|------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|--------|--------|-------|--------|--------|
| Analyte                | Wgt        | SiO2  | Al2O3 | Fe    | CaO   | MgO   | K2O   | MnO   | TiO2  | P2O5  | Cr2O3 | As     | Ba     | Co     | Cu     | Ni    | Pb     | S      | Sn    | Sr     |        |
| Unit                   | kg         | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %      | %      | %      | %     | %      | %      | %     | %      |        |
| MDL                    | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.004 | 0.003  | 0.004  | 0.001  | 0.001  | 0.001 | 0.001  | 0.001  | 0.003 | 0.001  |        |
| Pulp Duplicates        |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| BL5-1                  | Drill Core | 2.19  | 30.83 | 6.15  | 18.01 | 25.03 | 4.55  | 0.04  | 0.88  | 0.33  | 0.06  | 0.056  | <0.003 | <0.004 | <0.001 | 0.016 | 0.005  | <0.001 | 0.540 | <0.003 | 0.010  |
| REP BL5-1              | QC         |       | 31.10 | 6.24  |       | 25.17 | 4.58  | 0.04  | 0.87  | 0.33  | 0.06  | 0.057  | <0.003 | 0.006  | 0.002  | 0.019 | 0.005  | <0.001 | 0.516 | <0.003 | 0.008  |
| BL5-5                  | Drill Core | 1.64  | 1.98  | 0.42  | 6.71  | >30   | 0.21  | <0.01 | 0.21  | 0.02  | 0.02  | <0.004 | 0.005  | <0.004 | 0.002  | 0.063 | 0.001  | <0.001 | 0.180 | <0.003 | 0.019  |
| REP BL5-5              | QC         |       | 1.97  | 0.43  |       | >30   | 0.22  | <0.01 | 0.21  | 0.02  | 0.02  | 0.004  | 0.004  | <0.004 | 0.003  | 0.065 | 0.002  | <0.001 | 0.186 | <0.003 | 0.019  |
| BL5-20                 | Drill Core | 3.01  | 6.08  | 1.08  | 61.88 | 5.52  | 0.27  | 0.02  | 0.18  | 0.13  | 0.03  | 0.009  | <0.003 | 0.007  | 0.002  | 0.013 | 0.006  | <0.001 | 0.032 | <0.003 | 0.003  |
| REP BL5-20             | QC         |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| BL7-7                  | Drill Core | 1.70  | 35.41 | 15.72 | 14.69 | 19.90 | 1.21  | 0.14  | 0.31  | 1.83  | 0.19  | 0.033  | <0.003 | <0.004 | 0.001  | 0.009 | 0.008  | <0.001 | 0.381 | <0.003 | 0.060  |
| REP BL7-7              | QC         |       | 35.19 | 15.61 |       | 19.75 | 1.19  | 0.14  | 0.30  | 1.84  | 0.19  | 0.032  | <0.003 | 0.007  | 0.001  | 0.011 | 0.011  | <0.001 | 0.379 | <0.003 | 0.061  |
| BL7-8                  | Drill Core | 1.58  | 42.77 | 12.96 | 10.82 | 18.10 | 4.56  | 0.39  | 0.35  | 2.33  | 0.20  | 0.022  | <0.003 | 0.006  | 0.002  | 0.002 | 0.006  | 0.001  | 0.041 | <0.003 | 0.036  |
| REP BL7-8              | QC         |       | 42.81 | 13.00 |       | 18.08 | 4.52  | 0.40  | 0.36  | 2.34  | 0.20  | 0.024  | <0.003 | 0.012  | 0.002  | 0.003 | 0.007  | <0.001 | 0.039 | <0.003 | 0.035  |
| Core Reject Duplicates |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| BL5-15                 | Drill Core | 3.45  | 18.29 | 0.89  | 45.11 | 14.16 | 2.35  | 0.02  | 0.34  | <0.01 | 0.02  | 0.005  | 0.003  | <0.004 | 0.001  | 0.012 | 0.002  | <0.001 | 0.103 | 0.004  | <0.001 |
| DUP BL5-15             | QC         |       | 17.77 | 0.87  | 45.43 | 13.98 | 2.21  | 0.02  | 0.34  | 0.01  | 0.02  | 0.016  | <0.003 | 0.004  | 0.002  | 0.011 | 0.010  | <0.001 | 0.133 | <0.003 | <0.001 |
| Reference Materials    |            |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD DS8                | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD DS8                | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD DS9                | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD FER-1(D)           | Standard   |       | 16.97 | 0.48  |       | 3.27  | 0.29  | 0.01  | 0.23  | 0.02  | 2.43  | <0.004 | <0.003 | 0.122  | <0.001 | 0.015 | <0.001 | 0.517  | 0.263 | 0.011  | 0.009  |
| STD FER-1(D)           | Standard   |       | 16.89 | 0.48  |       | 3.29  | 0.28  | <0.01 | 0.23  | 0.02  | 2.39  | <0.004 | <0.003 | 0.119  | <0.001 | 0.015 | 0.003  | 0.516  | 0.259 | 0.010  | 0.011  |
| STD GIOP-19            | Standard   |       | 3.48  | 1.78  |       | 0.04  | 0.09  | 0.02  | 0.09  | 0.05  | 0.15  | 0.032  | <0.003 | 0.006  | <0.001 | 0.012 | 0.005  | 0.001  | 0.011 | 0.007  | <0.001 |
| STD GIOP-19            | Standard   |       | 3.47  | 1.77  |       | 0.03  | 0.09  | 0.02  | 0.09  | 0.05  | 0.15  | 0.027  | <0.003 | 0.008  | <0.001 | 0.009 | 0.006  | <0.001 | 0.012 | 0.006  | <0.001 |
| STD NIST693(D)         | Standard   |       | 3.93  | 1.05  |       | 0.01  | 0.04  | <0.01 | 0.09  | 0.03  | 0.13  | 0.008  | <0.003 | 0.008  | <0.001 | 0.006 | <0.001 | <0.001 | 0.032 | 0.004  | <0.001 |
| STD NIST693(D)         | Standard   |       | 3.90  | 1.05  |       | <0.01 | 0.04  | <0.01 | 0.09  | 0.03  | 0.13  | 0.008  | <0.003 | 0.006  | <0.001 | 0.007 | <0.001 | <0.001 | 0.029 | 0.008  | <0.001 |
| STD OREAS45CA          | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD OREAS45CA          | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD OREAS45CA          | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD SO-18              | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |
| STD SO-18              | Standard   |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |        |        |       |        |        |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





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Project: BACON LAKE  
 Report Date: May 14, 2012

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# QUALITY CONTROL REPORT

VAN12001403.1

| Method                 |            | 4XFe   | 4XFe   | 4XFe   | 4XFe  | 4XFe  | 4B  | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  |      |
|------------------------|------------|--------|--------|--------|-------|-------|-----|-----|------|------|------|------|------|------|-----|-------|------|------|------|-----|------|
| Analyte                |            | Zn     | Zr     | V2O5   | LOI   | SUM   | Ba  | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta   | Th   | U    | V   | W    |
| Unit                   |            | %      | %      | %      | %     | %     | ppm | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  |
| MDL                    |            | 0.001  | 0.002  | 0.002  | -5.11 | 0.01  | 1   | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  |
| Pulp Duplicates        |            |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| BL5-1                  | Drill Core | 0.008  | <0.002 | 0.018  | 5.14  | 99.42 | 12  | <1  | 15.2 | <0.1 | 6.2  | 0.6  | 0.9  | 0.4  | <1  | 94.1  | <0.1 | 0.3  | 1.2  | 115 | 3.1  |
| REP BL5-1              | QC         | 0.008  | <0.002 | 0.018  | 5.17  | 100.9 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| BL5-5                  | Drill Core | 0.002  | <0.002 | <0.002 | 37.12 | 100.2 | 2   | <1  | 27.1 | <0.1 | 0.7  | <0.1 | 0.5  | <0.1 | <1  | 209.9 | <0.1 | <0.2 | 0.5  | 14  | <0.5 |
| REP BL5-5              | QC         | 0.004  | <0.002 | <0.002 | 37.32 | 100.5 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| BL5-20                 | Drill Core | 0.003  | <0.002 | 0.009  | -1.14 | 100.7 | 8   | <1  | 22.0 | <0.1 | 8.1  | 0.2  | 0.6  | <0.1 | 2   | 31.5  | <0.1 | <0.2 | 0.3  | 56  | 26.0 |
| REP BL5-20             | QC         |        |        |        |       |       | 9   | <1  | 19.2 | <0.1 | 8.6  | 0.2  | 0.8  | 0.1  | 2   | 31.2  | <0.1 | <0.2 | 0.4  | 54  | 24.9 |
| BL7-7                  | Drill Core | 0.005  | 0.004  | 0.058  | 3.46  | 99.76 | 39  | 2   | 14.7 | <0.1 | 21.9 | 2.9  | 8.2  | 1.6  | 3   | 620.4 | 0.5  | 0.7  | 2.4  | 337 | 0.8  |
| REP BL7-7              | QC         | 0.007  | 0.003  | 0.060  | 3.42  |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| BL7-8                  | Drill Core | 0.007  | 0.006  | 0.070  | 2.43  | 99.77 | 68  | <1  | 13.7 | 0.2  | 19.9 | 3.7  | 10.6 | 2.0  | 2   | 385.3 | 0.6  | 0.9  | 0.9  | 389 | 0.5  |
| REP BL7-8              | QC         | 0.006  | 0.008  | 0.071  | 2.40  | 99.88 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| Core Reject Duplicates |            |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| BL5-15                 | Drill Core | 0.004  | <0.002 | <0.002 | -0.44 | 100.3 | 6   | <1  | 22.9 | <0.1 | 7.4  | <0.1 | 0.3  | <0.1 | 2   | 7.5   | <0.1 | <0.2 | 1.0  | 19  | 9.7  |
| DUP BL5-15             | QC         | 0.003  | <0.002 | <0.002 | -0.49 | 99.88 | 7   | 1   | 20.9 | <0.1 | 7.5  | <0.1 | 0.6  | <0.1 | 2   | 6.9   | <0.1 | <0.2 | 1.0  | 18  | 9.9  |
| Reference Materials    |            |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD DS8                | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD DS8                | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD DS9                | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD FER-1(D)           | Standard   | 0.347  | <0.002 | 0.012  | -0.58 | 101.4 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD FER-1(D)           | Standard   | 0.346  | <0.002 | 0.015  | -0.58 | 100.9 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD GIOP-19            | Standard   | 0.001  | <0.002 | <0.002 | 1.94  | 98.93 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD GIOP-19            | Standard   | 0.003  | <0.002 | <0.002 | 3.66  | 100.7 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD NIST693(D)         | Standard   | 0.002  | <0.002 | 0.004  | 1.94  | 101.3 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD NIST693(D)         | Standard   | <0.001 | <0.002 | 0.005  | 1.94  | 100.7 |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD OREAS45CA          | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD OREAS45CA          | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD OREAS45CA          | Standard   |        |        |        |       |       |     |     |      |      |      |      |      |      |     |       |      |      |      |     |      |
| STD SO-18              | Standard   |        |        |        |       |       | 514 | 3   | 24.1 | 6.5  | 17.2 | 10.7 | 18.9 | 26.4 | 15  | 400.2 | 7.9  | 10.4 | 16.1 | 195 | 14.5 |
| STD SO-18              | Standard   |        |        |        |       |       | 490 | <1  | 23.9 | 6.6  | 16.3 | 9.3  | 18.6 | 26.1 | 15  | 397.2 | 7.8  | 10.7 | 16.4 | 184 | 14.4 |



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 Report Date: May 14, 2012

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# QUALITY CONTROL REPORT

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| Method                 |            | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX   | 1DX   |       |     |
|------------------------|------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|-------|-------|-----|
| Analyte                |            | Zr    | Y    | La   | Ce   | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu    | Pb    | Zn    |     |
| Unit                   |            | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm   | ppm   |     |
| MDL                    |            | 0.1   | 0.1  | 0.1  | 0.1  | 0.02 | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1   | 0.1   | 1     |     |
| Pulp Duplicates        |            |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| BL5-1                  | Drill Core | 20.7  | 7.6  | 19.9 | 23.5 | 2.17 | 7.0  | 1.27 | 0.46 | 1.27 | 0.22 | 1.35 | 0.28 | 0.84 | 0.13 | 0.88 | 0.14 | 0.4 | 166.9 | 1.0   | 44    |     |
| REP BL5-1              | QC         |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| BL5-5                  | Drill Core | 2.4   | 2.3  | 0.7  | 1.1  | 0.15 | 0.5  | 0.26 | 0.06 | 0.31 | 0.06 | 0.28 | 0.05 | 0.17 | 0.03 | 0.18 | 0.04 | 0.5 | 633.4 | 0.8   | 25    |     |
| REP BL5-5              | QC         |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| BL5-20                 | Drill Core | 10.0  | 3.5  | 2.3  | 3.8  | 0.46 | 2.0  | 0.56 | 0.23 | 0.63 | 0.09 | 0.67 | 0.13 | 0.39 | 0.07 | 0.58 | 0.07 | 0.6 | 93.2  | 0.9   | 25    |     |
| REP BL5-20             | QC         | 8.4   | 3.2  | 2.3  | 4.0  | 0.46 | 1.3  | 0.39 | 0.22 | 0.41 | 0.09 | 0.59 | 0.12 | 0.44 | 0.05 | 0.45 | 0.07 |     |       |       |       |     |
| BL7-7                  | Drill Core | 103.0 | 26.4 | 8.8  | 19.4 | 2.70 | 12.3 | 4.13 | 3.49 | 5.21 | 0.91 | 5.56 | 1.06 | 3.20 | 0.41 | 2.52 | 0.37 | 3.0 | 103.2 | 1.8   | 47    |     |
| REP BL7-7              | QC         |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| BL7-8                  | Drill Core | 129.7 | 28.4 | 12.3 | 27.5 | 4.07 | 18.0 | 5.19 | 2.84 | 6.00 | 1.00 | 6.17 | 1.22 | 3.58 | 0.47 | 2.87 | 0.45 | 4.5 | 13.0  | 0.8   | 25    |     |
| REP BL7-8              | QC         |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| Core Reject Duplicates |            |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| BL5-15                 | Drill Core | 1.2   | 2.9  | 0.4  | 0.5  | 0.12 | 0.5  | 0.23 | 0.28 | 0.24 | 0.05 | 0.37 | 0.09 | 0.27 | 0.04 | 0.33 | 0.06 | 0.4 | 43.9  | 1.2   | 26    |     |
| DUP BL5-15             | QC         | 1.6   | 2.5  | 0.5  | 0.6  | 0.09 | 0.6  | 0.24 | 0.28 | 0.22 | 0.06 | 0.48 | 0.08 | 0.31 | 0.04 | 0.35 | 0.06 | 0.4 | 44.1  | 1.3   | 25    |     |
| Reference Materials    |            |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD DS8                | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 12.5  | 109.9 | 126.7 | 319 |
| STD DS8                | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 13.2  | 111.3 | 139.0 | 325 |
| STD DS9                | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 14.0  | 109.6 | 124.9 | 336 |
| STD FER-1(D)           | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD FER-1(D)           | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD GIOP-19            | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD GIOP-19            | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD NIST693(D)         | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD NIST693(D)         | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |       |       |       |     |
| STD OREAS45CA          | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 0.9   | 518.0 | 20.7  | 60  |
| STD OREAS45CA          | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 0.9   | 526.1 | 24.2  | 66  |
| STD OREAS45CA          | Standard   |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | 1.0   | 512.8 | 20.4  | 65  |
| STD SO-18              | Standard   | 274.8 | 27.2 | 13.3 | 27.3 | 3.36 | 13.1 | 2.84 | 0.87 | 3.00 | 0.48 | 2.84 | 0.62 | 1.93 | 0.26 | 1.88 | 0.24 |     |       |       |       |     |
| STD SO-18              | Standard   | 270.8 | 27.7 | 12.7 | 24.9 | 3.18 | 12.9 | 2.67 | 0.81 | 2.62 | 0.44 | 2.93 | 0.59 | 1.74 | 0.24 | 1.61 | 0.26 |     |       |       |       |     |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Project:** BACON LAKE  
**Report Date:** May 14, 2012

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# QUALITY CONTROL REPORT

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| Method                 | 1DX        | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|------------------------|------------|-------|------|------|------|------|------|-------|-------|------|------|
| Analyte                | Ni         | As    | Cd   | Sb   | Bi   | Ag   | Au   | Hg    | Tl    | Se   |      |
| Unit                   | ppm        | ppm   | ppm  | ppm  | ppm  | ppm  | ppb  | ppm   | ppm   | ppm  |      |
| MDL                    | 0.1        | 0.5   | 0.1  | 0.1  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1   | 0.5  |      |
| Pulp Duplicates        |            |       |      |      |      |      |      |       |       |      |      |
| BL5-1                  | Drill Core | 21.5  | 23.0 | 0.1  | 0.2  | 0.7  | 0.1  | 10.1  | <0.01 | <0.1 | <0.5 |
| REP BL5-1              | QC         |       |      |      |      |      |      |       |       |      |      |
| BL5-5                  | Drill Core | 3.5   | 80.4 | 0.2  | <0.1 | <0.1 | 0.4  | 12.5  | <0.01 | <0.1 | 1.4  |
| REP BL5-5              | QC         |       |      |      |      |      |      |       |       |      |      |
| BL5-20                 | Drill Core | 21.8  | 22.5 | 0.1  | 0.3  | 0.1  | 0.1  | 4.2   | <0.01 | <0.1 | <0.5 |
| REP BL5-20             | QC         |       |      |      |      |      |      |       |       |      |      |
| BL7-7                  | Drill Core | 24.3  | 21.2 | 0.4  | 0.6  | 0.4  | 0.1  | 5.7   | <0.01 | <0.1 | 1.7  |
| REP BL7-7              | QC         |       |      |      |      |      |      |       |       |      |      |
| BL7-8                  | Drill Core | 30.2  | 7.4  | <0.1 | 0.4  | 0.1  | <0.1 | <0.5  | <0.01 | <0.1 | 1.5  |
| REP BL7-8              | QC         |       |      |      |      |      |      |       |       |      |      |
| Core Reject Duplicates |            |       |      |      |      |      |      |       |       |      |      |
| BL5-15                 | Drill Core | 11.4  | 53.5 | <0.1 | 0.2  | 0.5  | <0.1 | 4.4   | <0.01 | <0.1 | <0.5 |
| DUP BL5-15             | QC         | 11.2  | 51.0 | <0.1 | 0.2  | 0.5  | <0.1 | 5.1   | <0.01 | <0.1 | <0.5 |
| Reference Materials    |            |       |      |      |      |      |      |       |       |      |      |
| STD DS8                | Standard   | 38.0  | 27.7 | 2.2  | 4.8  | 6.8  | 1.9  | 125.4 | 0.22  | 5.6  | 5.4  |
| STD DS8                | Standard   | 39.5  | 26.6 | 2.6  | 5.4  | 7.7  | 2.1  | 122.9 | 0.22  | 5.7  | 6.4  |
| STD DS9                | Standard   | 39.2  | 26.8 | 2.3  | 4.5  | 6.5  | 1.8  | 136.4 | 0.19  | 5.4  | 5.5  |
| STD FER-1(D)           | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD FER-1(D)           | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD GIOP-19            | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD GIOP-19            | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD NIST693(D)         | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD NIST693(D)         | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD OREAS45CA          | Standard   | 241.5 | 4.1  | <0.1 | 0.2  | 0.3  | 0.3  | 59.1  | 0.02  | <0.1 | 0.5  |
| STD OREAS45CA          | Standard   | 257.5 | 3.8  | 0.1  | 0.1  | 0.2  | 0.3  | 41.6  | 0.04  | <0.1 | 2.0  |
| STD OREAS45CA          | Standard   | 253.9 | 4.2  | <0.1 | 0.1  | 0.2  | 0.3  | 49.0  | 0.02  | <0.1 | 0.5  |
| STD SO-18              | Standard   |       |      |      |      |      |      |       |       |      |      |
| STD SO-18              | Standard   |       |      |      |      |      |      |       |       |      |      |



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|                         | WGHT       | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe | 4XIFe  | 4XIFe | 4XIFe | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe  |        |
|-------------------------|------------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                         | Wgt        | SiO2  | Al2O3 | Fe    | CaO   | MgO   | K2O    | MnO   | TiO2  | P2O5   | Cr2O3  | As     | Ba     | Co     | Cu     | Ni     | Pb     | S      | Sn     | Sr     |        |
|                         | kg         | %     | %     | %     | %     | %     | %      | %     | %     | %      | %      | %      | %      | %      | %      | %      | %      | %      | %      | %      |        |
|                         | 0.01       | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01   | 0.01  | 0.01  | 0.01   | 0.004  | 0.003  | 0.004  | 0.001  | 0.001  | 0.001  | 0.001  | 0.001  | 0.003  | 0.001  |        |
| STD SO-18               | Standard   |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| STD SO-18               | Standard   |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| STD GIOP-19 Expected    |            | 3.44  | 1.67  |       | 0.04  | 0.109 | 0.019  | 0.086 | 0.057 | 0.1374 |        |        |        |        |        |        |        |        |        |        | 0.027  |
| STD FER-1(D) Expected   |            | 16.95 | 0.52  |       | 3.29  | 0.3   | 0.02   | 0.22  | 0.03  | 2.39   |        |        |        |        |        |        |        |        |        |        | 0.26   |
| STD NIST693(D) Expected |            | 3.87  | 1.04  |       | 0.016 | 0.013 | 0.0028 | 0.091 | 0.035 | 0.1283 |        |        |        |        |        |        |        |        |        |        |        |
| STD DS8 Expected        |            |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| STD SO-18 Expected      |            |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| STD DS9 Expected        |            |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| STD OREAS45CA Expected  |            |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      | <0.01 | <0.01 |       | <0.01 | <0.01 | <0.01  | <0.01 | <0.01 | <0.01  | <0.004 | <0.003 | <0.004 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 |
| BLK                     | Blank      | <0.01 | <0.01 |       | <0.01 | <0.01 | <0.01  | <0.01 | <0.01 | <0.01  | <0.004 | <0.003 | <0.004 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.003 | <0.001 |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| BLK                     | Blank      |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| Prep Wash               |            |       |       |       |       |       |        |       |       |        |        |        |        |        |        |        |        |        |        |        |        |
| G1                      | Prep Blank | <0.01 | 67.25 | 16.12 | 2.36  | 3.59  | 1.09   | 3.66  | 0.10  | 0.41   | 0.18   | 0.004  | <0.003 | 0.122  | <0.001 | <0.001 | <0.001 | 0.002  | <0.001 | <0.003 | 0.081  |
| G1                      | Prep Blank | <0.01 | 67.46 | 16.19 | 2.40  | 3.58  | 1.08   | 3.68  | 0.10  | 0.40   | 0.18   | 0.006  | <0.003 | 0.123  | <0.001 | 0.001  | 0.004  | 0.002  | 0.004  | <0.003 | 0.078  |



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QUALITY CONTROL REPORT

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|                         |            | 4XIFe  | 4XIFe  | 4XIFe  | 4XIFe | 4XIFe | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  |      |
|-------------------------|------------|--------|--------|--------|-------|-------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|
|                         |            | Zn     | Zr     | V2O5   | LOI   | SUM   | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    |
|                         |            | %      | %      | %      | %     | %     | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  |
|                         |            | 0.001  | 0.002  | 0.002  | -5.11 | 0.01  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  |
| STD SO-18               | Standard   |        |        |        |       |       | 523  | 1   | 26.2 | 6.9  | 18.6 | 9.7  | 21.9 | 27.4  | 15  | 419.4 | 7.4  | 8.9  | 16.5 | 190 | 14.4 |
| STD SO-18               | Standard   |        |        |        |       |       | 512  | <1  | 26.0 | 7.2  | 17.2 | 9.1  | 19.1 | 26.5  | 15  | 409.3 | 7.1  | 10.2 | 16.6 | 193 | 13.9 |
| STD GIOP-19 Expected    |            |        |        |        | 3.56  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD FER-1(D) Expected   |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD NIST693(D) Expected |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD DS8 Expected        |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD SO-18 Expected      |            |        |        |        |       |       | 514  | 1   | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7  | 15  | 407.4 | 7.4  | 9.9  | 16.4 | 200 | 14.8 |
| STD DS9 Expected        |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| STD OREAS45CA Expected  |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      | <0.001 | <0.002 | <0.002 | 0.00  | <0.01 |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      | <0.001 | <0.002 | <0.002 | 0.00  | <0.01 |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| BLK                     | Blank      |        |        |        |       |       | <1   | <1  | 0.4  | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 |
| BLK                     | Blank      |        |        |        |       |       | <1   | <1  | 0.5  | <0.1 | <0.5 | <0.1 | 0.1  | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 |
| BLK                     | Blank      |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| Prep Wash               |            |        |        |        |       |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |
| G1                      | Prep Blank | 0.004  | 0.010  | 0.007  | 0.45  | 96.49 | 1147 | <1  | 5.0  | 4.0  | 20.4 | 3.9  | 25.3 | 128.1 | 2   | 825.4 | 1.6  | 11.1 | 3.5  | 67  | <0.5 |
| G1                      | Prep Blank | 0.004  | 0.010  | 0.005  | 0.46  | 96.80 | 1119 | <1  | 3.5  | 4.0  | 19.4 | 4.7  | 23.0 | 128.0 | 2   | 826.6 | 1.5  | 10.3 | 3.5  | 61  | <0.5 |



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# QUALITY CONTROL REPORT

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|                         |            | 4B<br>Zr<br>ppm | 4B<br>Y<br>ppm | 4B<br>La<br>ppm | 4B<br>Ce<br>ppm | 4B<br>Pr<br>ppm | 4B<br>Nd<br>ppm | 4B<br>Sm<br>ppm | 4B<br>Eu<br>ppm | 4B<br>Gd<br>ppm | 4B<br>Tb<br>ppm | 4B<br>Dy<br>ppm | 4B<br>Ho<br>ppm | 4B<br>Er<br>ppm | 4B<br>Tm<br>ppm | 4B<br>Yb<br>ppm | 4B<br>Lu<br>ppm | 1DX<br>Mo<br>ppm | 1DX<br>Cu<br>ppm | 1DX<br>Pb<br>ppm | 1DX<br>Zn<br>ppm |
|-------------------------|------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|
| STD SO-18               | Standard   | 303.6           | 30.5           | 12.7            | 26.5            | 3.26            | 13.5            | 3.03            | 0.81            | 3.03            | 0.48            | 3.15            | 0.63            | 1.70            | 0.26            | 1.65            | 0.28            |                  |                  |                  |                  |
| STD SO-18               | Standard   | 290.8           | 31.4           | 13.6            | 27.5            | 3.26            | 13.4            | 2.84            | 0.85            | 2.98            | 0.46            | 2.78            | 0.56            | 1.82            | 0.26            | 1.68            | 0.27            |                  |                  |                  |                  |
| STD GIOP-19 Expected    |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| STD FER-1(D) Expected   |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| STD NIST693(D) Expected |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| STD DS8 Expected        |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 13.44            | 110              | 123              | 312              |
| STD SO-18 Expected      |            | 280             | 31             | 12.3            | 27.1            | 3.45            | 14              | 3               | 0.89            | 2.93            | 0.53            | 3               | 0.62            | 1.84            | 0.27            | 1.79            | 0.27            |                  |                  |                  |                  |
| STD DS9 Expected        |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 12.74            | 104              | 126              | 322              |
| STD OREAS45CA Expected  |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | 1                | 494              | 20               | 60               |
| BLK                     | Blank      |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | <0.1             | <0.1             | <0.1             | <1               |
| BLK                     | Blank      |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| BLK                     | Blank      |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| BLK                     | Blank      |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | <0.1             | 0.2              | <0.1             | <1               |
| BLK                     | Blank      | 0.4             | <0.1           | 0.6             | 0.2             | <0.02           | <0.3            | <0.05           | <0.02           | <0.05           | <0.01           | <0.05           | <0.02           | <0.03           | <0.01           | <0.05           | <0.01           |                  |                  |                  |                  |
| BLK                     | Blank      | <0.1            | <0.1           | <0.1            | <0.1            | <0.02           | <0.3            | <0.05           | <0.02           | <0.05           | <0.01           | <0.05           | <0.02           | <0.03           | <0.01           | <0.05           | <0.01           |                  |                  |                  |                  |
| BLK                     | Blank      |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | <0.1             | <0.1             | <0.1             | <1               |
| Prep Wash               |            |                 |                |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |
| G1                      | Prep Blank | 152.8           | 17.1           | 39.5            | 72.4            | 7.80            | 30.2            | 4.73            | 1.14            | 3.61            | 0.52            | 3.09            | 0.57            | 1.87            | 0.27            | 1.87            | 0.30            | 0.2              | 3.2              | 3.1              | 48               |
| G1                      | Prep Blank | 159.2           | 16.5           | 34.3            | 64.7            | 7.33            | 24.5            | 4.54            | 1.10            | 3.67            | 0.51            | 3.22            | 0.57            | 1.66            | 0.27            | 2.00            | 0.31            | 0.1              | 2.5              | 2.8              | 45               |



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## QUALITY CONTROL REPORT

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|                         |            | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------------------|------------|------|------|------|------|------|-------|------|-------|------|------|
|                         |            | Ni   | As   | Cd   | Sb   | Bi   | Ag    | Au   | Hg    | Tl   | Se   |
|                         |            | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppb  | ppm   | ppm  | ppm  |
|                         |            | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  | 0.1   | 0.5  | 0.01  | 0.1  | 0.5  |
| STD SO-18               | Standard   |      |      |      |      |      |       |      |       |      |      |
| STD SO-18               | Standard   |      |      |      |      |      |       |      |       |      |      |
| STD GIOP-19 Expected    |            |      |      |      |      |      |       |      |       |      |      |
| STD FER-1(D) Expected   |            |      |      |      |      |      |       |      |       |      |      |
| STD NIST693(D) Expected |            |      |      |      |      |      |       |      |       |      |      |
| STD DS8 Expected        |            | 38.1 | 26   | 2.38 | 4.8  | 6.67 | 1.69  | 107  | 0.192 | 5.4  | 5.23 |
| STD SO-18 Expected      |            |      |      |      |      |      |       |      |       |      |      |
| STD DS9 Expected        |            | 39.5 | 27   | 2.3  | 4.84 | 6.78 | 1.69  | 102  | 0.225 | 5.48 | 5.4  |
| STD OREAS45CA Expected  |            | 240  | 3.8  | 0.1  | 0.13 | 0.19 | 0.275 | 43   | 0.03  | 0.07 | 0.5  |
| BLK                     | Blank      | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <0.1  | <0.5 | <0.01 | <0.1 | <0.5 |
| BLK                     | Blank      |      |      |      |      |      |       |      |       |      |      |
| BLK                     | Blank      |      |      |      |      |      |       |      |       |      |      |
| BLK                     | Blank      | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <0.1  | <0.5 | <0.01 | <0.1 | 1.8  |
| BLK                     | Blank      |      |      |      |      |      |       |      |       |      |      |
| BLK                     | Blank      |      |      |      |      |      |       |      |       |      |      |
| BLK                     | Blank      | <0.1 | 1.1  | <0.1 | <0.1 | <0.1 | <0.1  | <0.5 | <0.01 | <0.1 | <0.5 |
| Prep Wash               |            |      |      |      |      |      |       |      |       |      |      |
| G1                      | Prep Blank | 2.2  | <0.5 | <0.1 | <0.1 | <0.1 | <0.1  | 2.1  | <0.01 | 0.3  | <0.5 |
| G1                      | Prep Blank | 2.5  | <0.5 | <0.1 | <0.1 | <0.1 | <0.1  | 1.0  | <0.01 | 0.3  | <0.5 |



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Client: Lombard Resources Corp
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Submitted By: David Fawcett
Receiving Lab: Canada-Vancouver
Received: March 28, 2012
Report Date: May 10, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12001403A.1

CLIENT JOB INFORMATION

Project: BACON LAKE
Shipment ID:
P.O. Number
Number of Samples: 9

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: No Prep, 9, Sorting of samples on arrival and labeling, (blank), (blank), VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lombard Resources Corp
6286 McCleery Street
Vancouver BC V6N 1G4
Canada

CC: Del Ferguson
Joe Paquet
Greg Burns



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





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**Project:** BACON LAKE  
**Report Date:** May 10, 2012

**Page:** 2 of 2

**Part:** 1 of 1

## CERTIFICATE OF ANALYSIS

VAN12001403A.1

| Method         | DTS       | DTS    | DTS  | DTS   |      |
|----------------|-----------|--------|------|-------|------|
| Analyte        | Wt        | MagNon | Mag  | MAG   |      |
| Unit           | g         | g      | g    | %     |      |
| MDL            | 0.1       | 0.1    | 0.1  | 0.1   |      |
| BL1-18         | Core Pulp | 101.1  | 73.6 | 27.5  | 72.8 |
| BL5-17         | Core Pulp | 103.7  | 69.1 | 34.57 | 66.7 |
| BL7-3          | Core Pulp | 104.0  | 71.4 | 32.59 | 68.6 |
| BL1-18 MAG     | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |
| BL5-17 MAG     | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |
| BL7-3 MAG      | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |
| BL1-18 NON-MAG | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |
| BL5-17 NON-MAG | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |
| BL7-3 NON-MAG  | Core Pulp | N.A.   | N.A. | N.A.  | N.A. |



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Submitted By: David Fawcett
Receiving Lab: Canada-Vancouver
Received: March 28, 2012
Report Date: May 10, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12001622.1

CLIENT JOB INFORMATION

Project: BACON LAKE
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample analysis data.

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lombard Resources Corp
6286 McCleery Street
Vancouver BC V6N 1G4
Canada

CC: Del Ferguson
Joe Paquet
Greg Burns



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



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Project: BACON LAKE  
 Report Date: May 10, 2012

Page: 2 of 2

Part: 1 of 3

CERTIFICATE OF ANALYSIS

VAN12001622.1

| Method  | WGHT       | 4B   | 4B  | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B  | 4B    | 4B  | 4B  | 4B  | 4B  | 4B   | 4B   | 4B   | 4B    | 4B    |
|---------|------------|------|-----|-----|-------|-----|------|-----|-----|------|-----|-------|-----|-----|-----|-----|------|------|------|-------|-------|
| Analyte | Wgt        | Ba   | Be  | Co  | Cs    | Ga  | Hf   | Nb  | Rb  | Sn   | Sr  | Ta    | Th  | U   | V   | W   | Zr   | Y    | La   | Ce    |       |
| Unit    | kg         | ppm  | ppm | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm | ppm   | ppm | ppm | ppm | ppm | ppm  | ppm  | ppm  | ppm   |       |
| MDL     | 0.01       | 1    | 1   | 0.2 | 0.1   | 0.5 | 0.1  | 0.1 | 0.1 | 1    | 0.5 | 0.1   | 0.2 | 0.1 | 8   | 0.5 | 0.1  | 0.1  | 0.1  | 0.1   |       |
| BL1-1   | Drill Core | 1.66 | 201 | 3   | 15.1  | 0.4 | 13.1 | 2.3 | 3.1 | 12.4 | <1  | 408.1 | 0.2 | 2.2 | 0.8 | 54  | 0.6  | 69.3 | 11.1 | 7.5   | 13.0  |
| BL1-2   | Drill Core | 0.75 | 197 | <1  | 44.8  | 0.4 | 10.7 | 2.5 | 3.3 | 23.5 | <1  | 315.3 | 0.3 | 2.7 | 1.1 | <8  | 0.6  | 71.4 | 7.0  | 4.1   | 6.6   |
| BL1-3   | Drill Core | 1.33 | 334 | <1  | 47.3  | 0.4 | 16.4 | 2.4 | 2.2 | 60.3 | <1  | 200.3 | 0.2 | 1.5 | 1.0 | 123 | 1.1  | 71.5 | 16.7 | 3.7   | 9.2   |
| BL1-4   | Drill Core | 1.26 | 210 | <1  | 53.3  | 0.3 | 11.8 | 2.5 | 3.4 | 32.8 | <1  | 307.2 | 0.3 | 3.0 | 1.1 | <8  | <0.5 | 80.5 | 6.2  | 9.1   | 18.2  |
| BL1-5   | Drill Core | 0.93 | 101 | <1  | 4.1   | 0.2 | 11.5 | 2.9 | 3.1 | 14.6 | <1  | 390.2 | 0.2 | 2.8 | 1.2 | <8  | <0.5 | 89.8 | 8.7  | 12.9  | 23.0  |
| BL1-6   | Drill Core | 1.68 | 86  | 2   | 67.8  | 0.7 | 11.8 | 2.4 | 4.2 | 13.5 | <1  | 223.0 | 0.4 | 2.5 | 1.4 | 29  | <0.5 | 86.4 | 12.4 | 22.0  | 34.0  |
| BL1-7   | Drill Core | 2.04 | 178 | 5   | 22.8  | 0.2 | 11.9 | 2.7 | 3.7 | 11.0 | <1  | 443.7 | 0.3 | 3.4 | 1.1 | <8  | 0.5  | 82.8 | 10.0 | 8.8   | 14.2  |
| BL1-8   | Drill Core | 1.61 | 228 | 2   | 136.2 | 0.2 | 14.8 | 2.5 | 3.7 | 26.3 | <1  | 440.3 | 0.2 | 3.2 | 2.2 | 16  | <0.5 | 89.1 | 18.3 | 190.6 | 305.9 |
| BL1-9   | Drill Core | 1.39 | 199 | 2   | 13.9  | 0.4 | 13.0 | 3.1 | 3.3 | 15.0 | <1  | 392.2 | 0.2 | 3.0 | 0.9 | <8  | 1.4  | 84.2 | 8.3  | 7.0   | 12.3  |
| BL1-10  | Drill Core | 2.12 | 209 | <1  | 61.2  | 0.6 | 12.5 | 2.7 | 3.7 | 10.7 | <1  | 419.8 | 0.2 | 2.8 | 1.1 | <8  | 0.6  | 85.8 | 7.7  | 15.3  | 24.6  |



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Project: BACON LAKE  
 Report Date: May 10, 2012

Page: 2 of 2

Part: 2 of 3

CERTIFICATE OF ANALYSIS

VAN12001622.1

|        | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B    | 4B    | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |      |
|--------|----------------------------------|-------|-------|-------|------|-------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|
|        |                                  | Pr    | Nd    | Sm    | Eu   | Gd    | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   | Sb   |
|        |                                  | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  |
|        |                                  | 0.02  | 0.3   | 0.05  | 0.02 | 0.05  | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| BL1-1  | Drill Core                       | 1.77  | 8.0   | 1.89  | 0.58 | 1.79  | 0.29 | 1.91 | 0.37 | 1.09 | 0.20 | 1.52 | 0.22 | 3.3  | 9.9  | 2.9  | 30  | 6.2  | 5.5  | <0.1 | <0.1 |
| BL1-2  | Drill Core                       | 0.78  | 3.0   | 0.89  | 0.36 | 1.12  | 0.20 | 1.34 | 0.26 | 0.95 | 0.13 | 1.19 | 0.19 | 5.0  | 23.7 | 12.0 | 44  | 8.2  | 9.8  | 0.9  | <0.1 |
| BL1-3  | Drill Core                       | 1.42  | 7.5   | 2.32  | 0.67 | 2.56  | 0.47 | 3.14 | 0.62 | 1.97 | 0.28 | 1.94 | 0.29 | 1.1  | 2.4  | 12.3 | 96  | 15.5 | 15.9 | 0.5  | <0.1 |
| BL1-4  | Drill Core                       | 2.18  | 7.6   | 1.40  | 0.35 | 1.27  | 0.18 | 1.12 | 0.24 | 0.83 | 0.10 | 0.91 | 0.18 | 1.4  | 4.1  | 3.6  | 42  | 3.8  | 6.4  | 0.7  | <0.1 |
| BL1-5  | Drill Core                       | 2.62  | 10.3  | 1.76  | 0.47 | 1.34  | 0.21 | 1.27 | 0.28 | 0.97 | 0.18 | 1.16 | 0.21 | 0.3  | 1.4  | 2.6  | 9   | 1.8  | 2.4  | <0.1 | <0.1 |
| BL1-6  | Drill Core                       | 3.76  | 14.1  | 3.05  | 1.08 | 2.79  | 0.41 | 2.53 | 0.52 | 1.70 | 0.23 | 1.46 | 0.28 | 1.8  | 28.6 | 4.0  | 18  | 18.0 | 8.3  | <0.1 | <0.1 |
| BL1-7  | Drill Core                       | 1.84  | 7.4   | 1.61  | 0.53 | 1.57  | 0.27 | 1.58 | 0.33 | 1.16 | 0.18 | 1.43 | 0.26 | 2.7  | 7.2  | 2.2  | 14  | 3.3  | 6.9  | <0.1 | <0.1 |
| BL1-8  | Drill Core                       | 34.31 | 120.4 | 16.40 | 2.77 | 10.84 | 1.01 | 4.08 | 0.60 | 1.64 | 0.24 | 1.84 | 0.25 | 1.8  | 28.1 | 5.2  | 33  | 11.5 | 51.9 | <0.1 | <0.1 |
| BL1-9  | Drill Core                       | 1.51  | 6.4   | 1.23  | 0.44 | 1.22  | 0.21 | 1.42 | 0.29 | 0.84 | 0.13 | 1.02 | 0.17 | 19.4 | 16.4 | 1.8  | 11  | 2.6  | 8.0  | <0.1 | <0.1 |
| BL1-10 | Drill Core                       | 2.92  | 11.3  | 2.28  | 0.50 | 1.90  | 0.26 | 1.45 | 0.34 | 0.96 | 0.16 | 0.97 | 0.18 | 3.9  | 49.1 | 17.2 | 17  | 3.2  | 32.8 | 0.3  | <0.1 |



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6286 McCleery Street  
Vancouver BC V6N 1G4 Canada

**Project:** BACON LAKE  
**Report Date:** May 10, 2012

**Page:** 2 of 2

**Part:** 3 of 3

## CERTIFICATE OF ANALYSIS

VAN12001622.1

|        | Method<br>Analyte | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|--------|-------------------|------|------|------|-------|------|------|
|        |                   | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|        |                   | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|        |                   | MDL  | 0.1  | 0.1  | 0.5   | 0.01 | 0.1  |
| BL1-1  | Drill Core        | <0.1 | <0.1 | 3.4  | 0.01  | <0.1 | <0.5 |
| BL1-2  | Drill Core        | 0.4  | 0.2  | 23.3 | 0.04  | <0.1 | 1.2  |
| BL1-3  | Drill Core        | 0.1  | <0.1 | 10.4 | <0.01 | <0.1 | <0.5 |
| BL1-4  | Drill Core        | 0.1  | <0.1 | 9.7  | 0.02  | <0.1 | <0.5 |
| BL1-5  | Drill Core        | <0.1 | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| BL1-6  | Drill Core        | 0.2  | <0.1 | 9.8  | 0.10  | <0.1 | 0.9  |
| BL1-7  | Drill Core        | <0.1 | <0.1 | 2.9  | <0.01 | <0.1 | <0.5 |
| BL1-8  | Drill Core        | 0.4  | 0.2  | 23.3 | 0.02  | <0.1 | 5.8  |
| BL1-9  | Drill Core        | <0.1 | <0.1 | 6.5  | <0.01 | <0.1 | <0.5 |
| BL1-10 | Drill Core        | 0.2  | <0.1 | 8.8  | <0.01 | <0.1 | 1.0  |



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**Project:** BACON LAKE  
**Report Date:** May 10, 2012

Page: 1 of 1

Part: 1 of 3

# QUALITY CONTROL REPORT

VAN12001622.1

| Method                 | WGHT       | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B    | 4B    | 4B   | 4B   | 4B  | 4B   | 4B    | 4B    | 4B   | 4B   |      |
|------------------------|------------|-------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|-----|------|-------|-------|------|------|------|
| Analyte                | Wgt        | Ba    | Be   | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn    | Sr    | Ta    | Th   | U    | V   | W    | Zr    | Y     | La   | Ce   |      |
| Unit                   | kg         | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | ppm | ppm  | ppm   | ppm   | ppm  | ppm  |      |
| MDL                    | 0.01       | 1     | 1    | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1     | 0.5   | 0.1   | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1   | 0.1  | 0.1  |      |
| Pulp Duplicates        |            |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| REP G1                 | QC         | 1153  | 3    | 4.1  | 3.8  | 17.8 | 3.8  | 19.9 | 120.9 | <1    | 746.8 | 1.2   | 8.2  | 2.9  | 20  | <0.5 | 126.9 | 14.7  | 27.8 | 55.1 |      |
| Reference Materials    |            |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| STD DS8                | Standard   |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| STD OREAS45CA          | Standard   |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| STD SO-18              | Standard   | 514   | 3    | 24.1 | 6.5  | 17.2 | 10.7 | 18.9 | 26.4  | 15    | 400.2 | 7.9   | 10.4 | 16.1 | 195 | 14.5 | 274.8 | 27.2  | 13.3 | 27.3 |      |
| STD SO-18              | Standard   | 490   | <1   | 23.9 | 6.6  | 16.3 | 9.3  | 18.6 | 26.1  | 15    | 397.2 | 7.8   | 10.7 | 16.4 | 184 | 14.4 | 270.8 | 27.7  | 12.7 | 24.9 |      |
| STD OREAS45CA Expected |            |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| STD DS8 Expected       |            |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| STD SO-18 Expected     |            | 514   | 1    | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7  | 15    | 407.4 | 7.4   | 9.9  | 16.4 | 200 | 14.8 | 280   | 31    | 12.3 | 27.1 |      |
| BLK                    | Blank      |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| BLK                    | Blank      | <1    | <1   | 0.4  | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1    | <0.5  | <0.1  | <0.2 | <0.1 | <8  | <0.5 | 0.4   | <0.1  | 0.6  | 0.2  |      |
| Prep Wash              |            |       |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| G1                     | Prep Blank | <0.01 | 1186 | 4    | 3.8  | 4.1  | 19.6 | 4.4  | 21.7  | 129.9 | 1     | 826.5 | 1.4  | 9.6  | 3.6 | 26   | <0.5  | 139.0 | 15.5 | 30.2 | 57.4 |
| G1                     | Prep Blank | <0.01 |      |      |      |      |      |      |       |       |       |       |      |      |     |      |       |       |      |      |      |
| G1                     | Prep Blank | 1158  | 4    | 3.4  | 3.9  | 18.2 | 4.0  | 22.6 | 121.7 | <1    | 764.9 | 1.4   | 9.2  | 2.9  | 22  | <0.5 | 140.9 | 15.1  | 29.6 | 59.4 |      |



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Project: BACON LAKE  
 Report Date: May 10, 2012

Page: 1 of 1

Part: 2 of 3

# QUALITY CONTROL REPORT

VAN12001622.1

| Method                 | Analyte    | Unit | MDL | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  | 1DX |
|------------------------|------------|------|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|------|------|------|-----|
|                        |            |      |     | Pr    | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   |     |
|                        |            |      |     | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm |
|                        |            |      |     | 0.02  | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  |     |
| Pulp Duplicates        |            |      |     |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |     |
| REP G1                 | QC         |      |     | 6.39  | 25.3 | 4.19  | 1.09  | 3.44  | 0.48  | 2.77  | 0.56  | 1.63  | 0.25  | 1.75  | 0.26  |       |       |       |     |       |      |      |      |     |
| Reference Materials    |            |      |     |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |     |
| STD DS8                | Standard   |      |     |       |      |       |       |       |       |       |       |       |       |       |       | 13.2  | 112.2 | 129.6 | 329 | 38.5  | 24.9 | 2.5  | 5.2  |     |
| STD OREAS45CA          | Standard   |      |     |       |      |       |       |       |       |       |       |       |       |       |       | 0.9   | 499.1 | 19.4  | 59  | 226.9 | 4.3  | 0.2  | 0.2  |     |
| STD SO-18              | Standard   |      |     | 3.36  | 13.1 | 2.84  | 0.87  | 3.00  | 0.48  | 2.84  | 0.62  | 1.93  | 0.26  | 1.88  | 0.24  |       |       |       |     |       |      |      |      |     |
| STD SO-18              | Standard   |      |     | 3.18  | 12.9 | 2.67  | 0.81  | 2.62  | 0.44  | 2.93  | 0.59  | 1.74  | 0.24  | 1.61  | 0.26  |       |       |       |     |       |      |      |      |     |
| STD OREAS45CA Expected |            |      |     |       |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20    | 60  | 240   | 3.8  | 0.1  | 0.13 |     |
| STD DS8 Expected       |            |      |     |       |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123   | 312 | 38.1  | 26   | 2.38 | 4.8  |     |
| STD SO-18 Expected     |            |      |     | 3.45  | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |       |     |       |      |      |      |     |
| BLK                    | Blank      |      |     |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 | <0.1 |     |
| BLK                    | Blank      |      |     | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |      |     |
| Prep Wash              |            |      |     |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |     |
| G1                     | Prep Blank |      |     | 6.83  | 23.6 | 3.89  | 1.19  | 3.67  | 0.49  | 2.83  | 0.55  | 1.75  | 0.26  | 1.91  | 0.30  | <0.1  | 2.5   | 2.7   | 45  | 2.9   | <0.5 | <0.1 | <0.1 |     |
| G1                     | Prep Blank |      |     |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | 2.0   | 2.8   | 47  | 2.8   | <0.5 | <0.1 | <0.1 |     |
| G1                     | Prep Blank |      |     | 6.66  | 26.1 | 4.25  | 1.05  | 3.52  | 0.48  | 3.00  | 0.55  | 1.79  | 0.25  | 1.80  | 0.29  |       |       |       |     |       |      |      |      |     |



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Project: BACON LAKE

Report Date: May 10, 2012

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## QUALITY CONTROL REPORT

VAN12001622.1

| Method                 | 1DX        | 1DX  | 1DX   | 1DX   | 1DX   | 1DX  |      |
|------------------------|------------|------|-------|-------|-------|------|------|
| Analyte                | Bi         | Ag   | Au    | Hg    | Tl    | Se   |      |
| Unit                   | ppm        | ppm  | ppb   | ppm   | ppm   | ppm  |      |
| MDL                    | 0.1        | 0.1  | 0.5   | 0.01  | 0.1   | 0.5  |      |
| Pulp Duplicates        |            |      |       |       |       |      |      |
| REP G1                 | QC         |      |       |       |       |      |      |
| Reference Materials    |            |      |       |       |       |      |      |
| STD DS8                | Standard   | 7.1  | 1.9   | 113.7 | 0.19  | 5.8  | 6.7  |
| STD OREAS45CA          | Standard   | 0.2  | 0.3   | 47.6  | 0.04  | <0.1 | <0.5 |
| STD SO-18              | Standard   |      |       |       |       |      |      |
| STD SO-18              | Standard   |      |       |       |       |      |      |
| STD OREAS45CA Expected |            | 0.19 | 0.275 | 43    | 0.03  | 0.07 | 0.5  |
| STD DS8 Expected       |            | 6.67 | 1.69  | 107   | 0.192 | 5.4  | 5.23 |
| STD SO-18 Expected     |            |      |       |       |       |      |      |
| BLK                    | Blank      | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| BLK                    | Blank      |      |       |       |       |      |      |
| Prep Wash              |            |      |       |       |       |      |      |
| G1                     | Prep Blank | <0.1 | <0.1  | <0.5  | <0.01 | 0.3  | <0.5 |
| G1                     | Prep Blank | <0.1 | <0.1  | <0.5  | <0.01 | 0.3  | <0.5 |
| G1                     | Prep Blank |      |       |       |       |      |      |