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BC Geological Survey
Assessment Report
32805

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SOIL GEOCHEMICAL SURVEY REPORT
BACON LAKE POLYMETALLIC PROPERTY
NANAIMO MINING DIVISION, BC
NTS 092F/13E
LATITUDE 49° 57' 52" N / LONGITUDE 125° 37' 35" W

Prepared for:

Western Gateway Minerals Inc.
Vancouver, B.C.

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Executive Summary

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.

A diamond drilling program is recommended for the magnetite skarn trending northeast along the east side of Bacon Lake (Line B-4). Initial works should be focused on defining size and grade parameters of the main magnetite-sulphide zone east of Bacon Lake.

A prospecting and geological mapping, rock sampling program is recommended for the Mid Western Sector of the Bacon Lake Property.

More prospecting, geological mapping and rock sampling is warranted over the southeast area of the property where there are known showings of porphyry copper type mineralization.

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1.0 Introduction

1.1 Terms of Reference / Objectives

This is a technical report on the 2011 Soil Geochemical Survey carried out for Western Gateway Minerals Inc. on their Bacon Lake Property approximately 26km southwest of Campbell River, BC, from August 2 to 16, 2011. The objective of this survey is to identify and document soil geochemical anomalies to validate exploration targets on the property.

1.2 Location, Access and Facilities

The property is centred over Bacon Lake, on the northwest side of Upper Campbell Lake, approximately 26km southwest of Campbell River, Latitude 49°57'52"N, Longitude 125°37'35"W. This area is on the central eastern region of Vancouver Island, in the southwest corner of British Columbia, Canada. The claims are accessed off Highway 28 (Gold River Highway) via the Strathcona Dam Road, Bacon Lake Main and several forestry roads belonging to TimberWest Forest Company.

Campbell River has a good infrastructure of housing, industrial and servicing facilities required by a mining operation and is home to miners of Breakwater NVI's Myra Falls operation and the nearby Quinsam Coal operation. Concentrate from Myra Falls and Quinsam operations are shipped via trucks to Campbell River terminals. BC Hydro's double 138,000 volt transmission line to Gold River passes through the Bacon Lake Property.

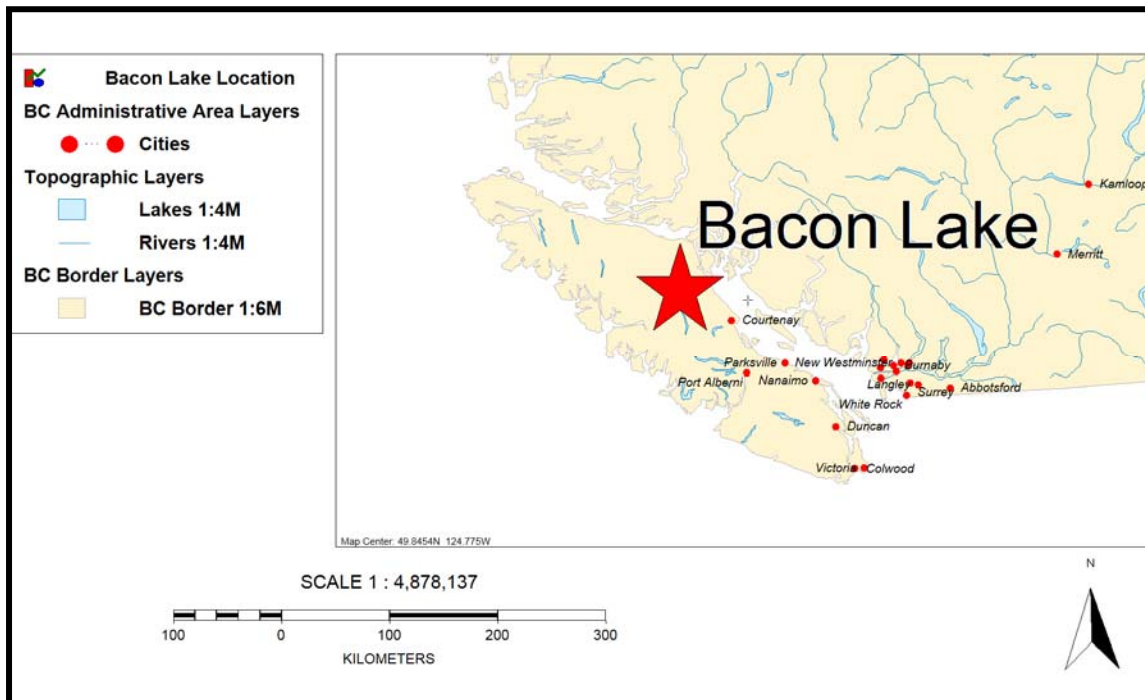


Figure 1: Location of Bacon Lake Property

1.3 Legal Property Description & Ownership

The surface rights are held by TimberWest Forest Company, who also maintains the road networks throughout the area. Mineral Tenure 511635 (Table 1) held by Western Gateway Minerals covers an area 1413.25 ha (3,491 acres) bordered by Upper Campbell Lake to the southeast. The mineral title holder must maintain a road use and access agreement with TimberWest.

Table 1 – Bacon Lake Claim tenure as of February 9, 2012

Tenure #	Ownership	Hectares	Expiry Date
511635	Western Gateway Minerals	1413.25	Nov. 15, 2012

Western Gateway Minerals Inc. is a privately held BC corporation the major shareholders whom are David Fawcett and Joseph Paquet.

1.4 Physiography

The study area is in the eastern foothills of the Vancouver Island Range Mountains. 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 Lake rests in a wide plateau valley stretching north-northeast towards Becher Lake. The plateau area is covered dominantly by regenerating second growth (post-fire) stands of Douglas Fir and Western Hemlock. Google Earth™ imagery shows recent logging on the hill northeast of Bacon Lake. An extensive road network exists over the claim area, but much of the access structures are overgrown. Bedrock outcrops are abundant and the surficial mantle of glacial origin is commonly thin and occurs as pockets between bedrock hillocks.

1.5 Climate and Vegetation

The area is partially covered by second growth fir and hemlock 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, 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 work of Joseph and Claude Paquet in conducting an effective survey and providing Western Gateway Minerals Inc. with supporting documentation on the survey, including GPS locations for sample sites.

1.6 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.

No other work in the area has been documented until the 1950s when Argonaut Mines LM carried out a magnetometer survey, pitting and channel sampling and a 19-hole diamond drilling on magnetite skarn deposits in the area. Drilling is thought to have taken place on the southeast side of Bacon Lake, although drill locations have not been confirmed. Partial drill logs from the 1952 Argonaut drilling show drill holes intersecting interbanded limestone, skarn, magnetite and silicified volcanics.

Minor work was done in the area during the early 1960s. Falconbridge discovered and drilled three holes into a magnetite zone (Bacon Showing – Rock Minfile #092F 038) on the hill to the NE of Bacon Lake in 1961. Hole #1 intersected 6.4m of magnetite (20% iron); Holes #2 and #3 intersected similar grades over 6.4 and 9m respectively; In addition Hole #3 intersected 4.4m of 53.57% iron and 1.2m of 36.8% iron and 37.71 grams per tonne Ag.

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. 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. Georgia Mines Ltd. conducted airborne geophysical and ground geochemical surveys on the Greenstone Creek Showing, Crown Grants 1215 and 1216, northwest of Becher Lake in 1969. Airborne geophysical maps show that a north trending aeromag high trends southward west of Becher Lake onto the Bacon Lake Property.

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 # 17395). 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# 18946). 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 undertook prospecting, stripping, hand trenching and channel sampling over the old road and showings along the SE side of Bacon Lake. 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.

In May 2008 a 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.

On February 16th, 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 (Figure 5).

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?).

2.0 Regional Geology & Mineralization

The regional 2005 BCGS mapping of this area (Figure 3) indicates that the Bacon Lake Property lies along the northwest rim of an Early to Middle Jurassic (200 to 170 mya) Island Intrusive Complex (EMJlgd) granodiorite body which extends some 15km southward and 10km eastward. The central area of this intrusive complex hosts porphyry copper deposit-type mineralization, currently known as the Gooseneck Lake Cu Property (Figure 4 - Site 7), also held by Western Gateway Minerals Inc.

The western half of the claim is underlain by Mid to Upper Triassic (230 to 210 mya) Vancouver Group Karmutsen Formation (uTrVK) basaltic volcanics. Lower Jurassic (210 to 190 mya) Bonanza Group (lJBca) of calc-alkaline volcanics and associated metasedimentary rocks (limestone, argillite, siltstone etc.) underlies the northeast corner of the claim. Limestone bands of the Upper Triassic Vancouver Group Quatsino Formation (uTrVQ) have also been mapped regionally to the north of the Bacon Lake Property and it is likely that limestones evidenced on the property are also part of this formation.

Limestone bands and intercalated volcanics near the intrusive contacts contain the magnetite-copper-cobalt-gold skarn mineralization which is regionally significant and appears to be rimming and associated with a "Mag High".

Other significant magnetite skarn type deposits in the region include the **Blue Grouse** Claim north of Beavertail Lake and massive magnetite within a sandstone horizon of the Nanaimo Group south of Beavertail Lake, both on the north edge of the "Mag-High"; the **Argonaut Mine** (in production from 1951 to 1957, producing 3,657,168 tonnes of ore), on the south side of the "Mag High"; the **Iron River** deposit (3,175,000 tonnes of 0.517% copper and 38.48% iron and 1,450,000 tonnes of 0.349% copper and 26.46% iron), on the eastern edge of the regional "Mag High"; and **Camp Lake** a copper-gold-magnetite mineral discovery made in 2003, on the west side of the "Mag High", south of Upper Campbell Lake.



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Bacon Lake Polymetallic Property

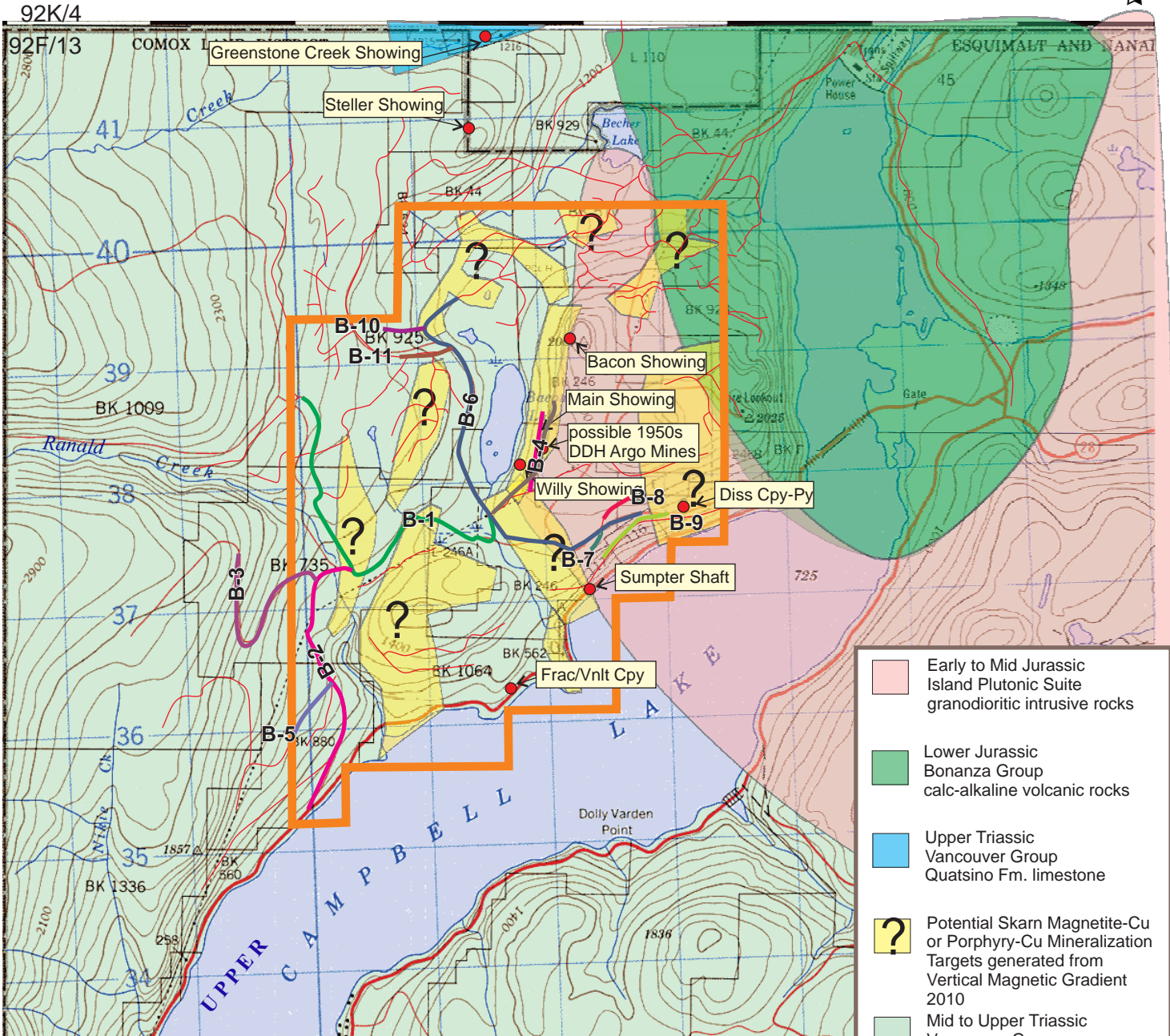


Figure 2: 2011 Soil Sample Line Locations B-1 through B11

3.0 Property Geology & Mineralization

Most work done on the property to date 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.

Magnetite-chalcopyrite-pyrite 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. The largest single magnetite outcrop exposed to date on the property has the potential tonnage of >100,000 and similar outcrops in the vicinity remain untested.

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.



Massive magnetite with erythrite (cobalt bloom), southeast of Bacon Lake.



Massive magnetite outcrop, striking along ridge side east of Bacon Lake.



Massive magnetite outcrop (channel sampled) east of Bacon Lake.



Approximately 10m wide zone of intercalated massive to patchy magnetite and sulphides in limestone-granodiorite contact area along Elk River Main. (Old Sumpter Showing?)

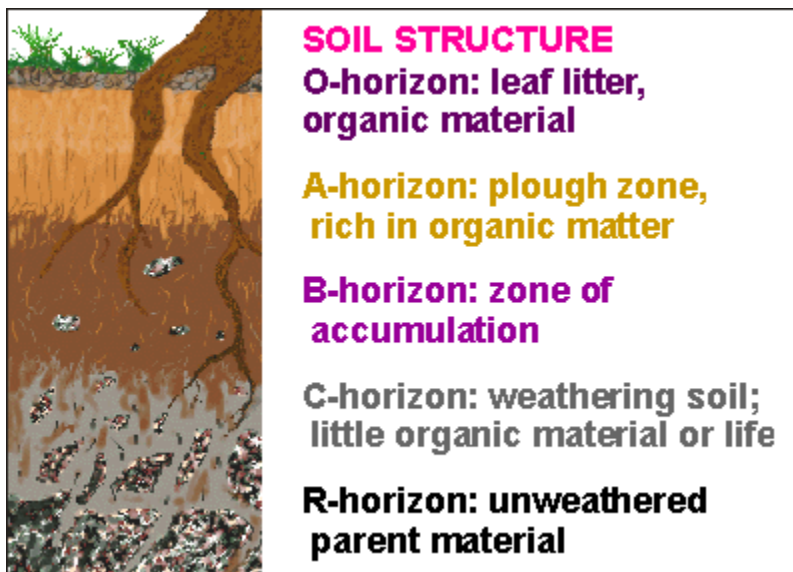


Bleached and silicified granodiorite along Elk River Main with veinlets and fractures carrying chalcocopyrite-pyrite ± magnetite. This indicates potential porphyry copper target for Bacon Lake Property.

4.0 2011 Soil Geochemical Survey

From August 2 to 16, 2011 a roadside soil sampling program was conducted over Western Gateway Mineral's Bacon Lake Property. The field crew consisted of Joe Paquet and Claude Paquet. Samples were collected at 50m spacing on the upside of selected roads within the Bacon Lake Claim (Figure 2). 301 samples were collected from the "B" Horizon (Figure 3) where possible to attempt to maintain quality consistency of soil characteristics. Most of the samples were taken in the mid to western area of the claims, underlain by Bonanza cal-alkaline volcanics and Quatsino limestones¹. Lines B-7, B-8 and B-9 and initial samples along Lines B-1 and B-6 were taken over the southeastern portion of the claims, underlain by mostly Island Plutonic intrusive rocks.

Figure 3: Soil Samples obtained from B-horizon where possible.



Soils were dried and shipped to Acme Labs in Vancouver. At the labs, samples were again dried at 60°C, sieved to a -80mesh (100g) and processed through a 1:1:1 Aqua Regia digestion ICP-ES analysis. The 32 elements analyzed for were Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, S, Sc, and Ga. Two certificates of analysis were provided by Acme Labs (Appendix IV).

¹ Based on 2005 BCGS regional maps, MapPlace

Data Analysis

Of the 32 elements analyzed, 16 were found to be moderately anomalous in soils collected (Cu, Pb, Zn, Ni, Co, Mn, Fe, Sr, V, Ca, P, Cr, Mg, Ba, Ti, and Al), so that comparisons could be made. Average values of these elements are as follows:

Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Mn ppm	Fe %	Sr ppm	V ppm	Ca %	P %	Cr ppm	Mg %	Ba ppm	Ti %	Al %
25.6	15.1	58.6	9.8	6.1	2142	1.53	51.3	60	1.39	.07	11.8	.29	58.8	.14	.96

Using basic statistics, 95 percentile values were determined as being “highly anomalous” relative to background and 75 percentile values were determined as being “moderately anomalous”. Resultant values were determined as follows:

ELEMENT	Highly Anomalous Values 95 Percentile	Moderately Anomalous Values 75 Percentile
Cu	≥62ppm	≥35ppm
Pb	≥46ppm	≥21ppm
Zn	≥122ppm	≥63ppm
Ni	≥24ppm	≥12ppm
Co	≥15ppm	≥8ppm
Mn	≥6531ppm	≥2790ppm
Fe	≥3.52%	≥2.04%
Sr	≥107ppm	≥63ppm
V	≥155ppm	≥78ppm
Ca	≥2.21%	≥1.67%
P	≥.099%	≥.081%
Cr	≥28ppm	≥16ppm
Mg	≥.68%	≥.38%
Ba	≥163ppm	≥74ppm
Ti	≥.351%	≥.201%
Al	≥2.18%	≥1.33%

Element Associations

The strongest anomalous element association trend is Cu-Ni-Co-Fe-Cr-Mg-Ti (±Zn). A secondary element association is Pb-Zn-Mn, which is not consistent throughout.

Results

Line B-1 (~3km) consists of 60 samples taken along Bacon Lake Main from the south end of Bacon Lake west to Ranald Creek Bridge then north up the east side of Ranald Creek along road BAC 100. *Most of this line has moderately to highly anomalous values of Cu-Ni-Co-Fe-Cr-Mg-Ti and local moderately anomalous Zn values.*

Line B-2 (~2.5km) consists of 50 samples taken along Bacon Lake Main from the Ranald Creek Bridge southward to the junction with Elk River Main. *The initial ~800m contains moderately anomalous values of Cu-Ni-Co-Fe-Cr-Mg-Ti, with a few highs and local moderately anomalous Zn values. A single moderate Cu-Pb-Ni-Co-Mn-Fe-Mg-Ti anomaly occurs at 1.7km and a 200m wide anomaly of Cu-Ni-Co-Mg exists at the line terminus.*

Line B-3 (~700m) consists of 15 samples taken along BAC 700 on the western edge of the Bacon Lake Property. *Most of this line has moderately anomalous values of Cu-Ni-Co-Fe-Cr-Mg-Ti with few isolated high values.*

Line B-4 (~1km) consists of 22 samples taken along east side of Bacon Lake from south to north (access to main magnetite showings). *Moderately anomalous values of Cu-Zn-Ni-Co-Fe-Cr-Mg-Ti are sporadic along the length of this road. Cu-Ni-Co-Mg values are highest along the initial 200m of Line B-4.*

Line B-5 (~1km) consists of 22 samples taken along a spur road off Bacon Lake Main in the southwest corner of the property. *Moderately anomalous Cu±Ni-Co-Fe-Ti values exist along the initial 150m of road. Beyond this the line shows moderate to high anomalous Mn values ± isolated Pb-Zn values.*

Line B-6 (~3.75km) consists of 76 samples taken along road BAC 210 from the southeast corner of the property and Bacon Lake Main wrapping around the west side of Bacon Lake to the northern end of the property. *Two isolated Cu-Ni-Co-Fe-Cr-Mg-Ti anomalies occur along the initial 300m of the road and a similar signature isolated anomaly exists along the line at 3.1km. Other isolated Ni-Co -Fe-Cr-Mg anomalies occur along Line B-6, but element associations are weak. Moderately to highly anomalous Pb±Zn-Mn values exist along the length of this road.*

Line B-7 (150m) consists of 4 samples taken along an old overgrown road striking SW below road BAC 210 in the southeast area of the property. This line shows highly anomalous values of Mn and Ba and moderately anomalous Pb-Zn values.

Line B-8 (350m) consists of 8 samples taken along old quarry road extending NE off road BAC 210 in the southeast area of the property. This line shows moderately anomalous values of Mn and isolated Ba and Zn values.

Line B-9 (850m) consists of 18 samples taken along road BAC 210 in the southeast area of the property. Most of this line contains highly anomalous Zn values and associated moderately anomalous Mn-Pb-Ba values. *Midway along the road (350m) an isolated highly anomalous Cu-Zn sample exists in association with moderately anomalous Ni-Co-Fe-Cr-Mg-Ti values.*

Line B-10 (600m) consists of 13 samples taken along a spur road off Bacon Lake Main in the northwest corner of the property. An isolated sample midway on the line (300m) had highly anomalous Cr in association with moderately anomalous Zn-Ni-Fe-Ti.

Line B-11 (600m) consists of 13 samples taken along a spur road off Bacon Lake Main (south of B-10) in the northwest corner of the property. A few isolated anomalous Zn and Mn values occur along this line, not in association.

5.0 Results & Recommendations

Discussion of Results

For the 2011 soil geochemical survey, the strongest element association of potentially economic value appears 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:

1. 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.
2. 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.
3. 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.

No other significant results were obtained on the property through the limited 2011 soil geochemical survey. Of mention is the fact that the known occurrence of disseminated pyrite and chalcopyrite observed in propylitically altered granodiorite outcropping along Bacon 210 access road in the southeast corner of the property did not reflect anomalous results in the B-7, B-8 or B-9 lines ran in the area. Secondly the known high Cu-Co-Au sulphide showings on the lower side of Line B-4 were not reflected in the results. In addition, the known magnetite bodies along the length of Line B-4 were not reflected as high Fe concentrations in the 2011 soil survey.

Recommendations

The Bacon Lake Property is in a regionally significant area of magnetite skarn deposits including developed tonnage at Iron River and the former past producer Argonaut Mine. Mineralized skarns hosting potential economic deposits of iron ± copper ± silver ± cobalt ± gold have been identified on the Bacon Lake Property on the shoreline of Upper Campbell Lake and trending northward on the ridge east of Bacon Lake. To date six isolated mineralized skarns have been discovered outcropping over lengths up to 300m, widths up to 10m and heights of 8m. These targets require better definition (drilling) to determine reserve potential. The current main drill target is the magnetite skarn trending northeast along the east side of Bacon Lake (Line B-4). Initial works should be focused on defining size and grade parameters of the main magnetite-sulphide zone east of Bacon Lake.

The Mid Western Sector of the Bacon Lake Property has extensive moderate to highly anomalous soil values in Cu-Ni-Co-Fe-Cr-Mg-Ti (±Zn) over Lines B-1, B-2, B-3 and B-5, corresponding with strong un-prospected and un-tested "Mag-High" trends identified in the 2010 aero-magnetometer survey over the Bacon Lake Property. A prospecting and geological mapping, rock sampling program is recommended for this area.

In addition, the potential for 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 propylitically altered granodiorite outcrops along Bacon 210 access road and veinlet and fracture copper mineralization was observed in high bluffs above Elk River Main west of Bacon Creek. The 2011 soil geochemical survey results show isolated Cu-Ni-Co-Fe-Cr-Mg-Ti and Cu-Zn anomalies in this southeast corner of the property and more prospecting, geological mapping and rock sampling is warranted.

Respectfully submitted,

AZTEC GEOSCIENCE INC.

Del W. Ferguson, P.Geo.

February 27, 2012

FIGURE 4: Bacon Lake 2011 Soils - Statistical Analysis Spreadsheet

Sample	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B01-1	37		6	57	12	7	622	1.97	35	78	0.93	0.084	18	0.3	46	0.147	1.5
B02-1	45		2	56	17	11	544	2.37	48	96	1.58	0.062	19	0.54	44	0.217	1.61
B03-1	22		10	68	7	4	754	0.79	68	30	1.57	0.093	7	0.19	66	0.059	0.53
B04-1	65		2	55	23	13	578	3.32	32	141	1.03	0.041	30	0.63	33	0.337	2.26
B05-1	38		6	63	16	11	790	2.18	52	92	1.34	0.053	18	0.49	77	0.201	1.28
B06-1	30		2	56	10	5	228	1.17	37	48	0.87	0.065	11	0.25	29	0.107	0.69
B07-1	45		2	57	17	10	955	2.26	50	98	1.56	0.065	22	0.53	42	0.215	1.51
B08-1	46		6	54	17	11	1641	2.58	44	103	1.36	0.066	22	0.49	39	0.246	1.57
B09-1	57		4	57	22	15	1313	3.89	36	146	1.21	0.066	31	0.6	42	0.318	2.13
B10-1	36		2	73	15	9	2113	1.95	63	78	1.63	0.088	17	0.46	104	0.156	1.23
B11-1	50		8	59	22	14	1364	3.11	52	128	1.46	0.058	27	0.71	43	0.284	1.94
B12-1	26		7	68	13	8	6051	1.8	31	75	1.3	0.08	15	0.37	31	0.162	1.03
B13-1	49		2	65	21	13	2456	2.96	37	127	1.49	0.058	22	0.64	35	0.293	1.77
B14-1	42		2	75	14	8	1581	1.88	52	84	1.52	0.054	15	0.41	41	0.201	1.15
B15-1	62		2	47	19	12	502	2.92	35	128	1.27	0.057	26	0.52	25	0.31	1.96
B16-1	45		40	41	18	10	289	2.56	32	116	1.3	0.046	19	0.55	16	0.28	1.41
B17-1	53		3	52	23	14	997	3.19	47	148	1.65	0.047	24	0.65	41	0.351	1.93
B18-1	56		2	63	24	15	695	3.47	39	152	1.57	0.043	25	0.76	35	0.362	1.95
B19-1	60		2	54	23	14	856	3.09	37	139	1.45	0.071	25	0.64	33	0.327	1.96
B20-1	74		7	57	29	18	1396	3.97	36	168	1.52	0.075	29	0.88	43	0.373	2.48
B21-1	51		6	68	23	15	2363	3.3	42	135	1.46	0.103	25	0.72	59	0.293	2
B22-1	66		10	175	26	15	6323	3.54	42	144	1.7	0.133	28	0.73	61	0.294	2.19
B23-1	67		7	67	27	16	919	3.69	34	153	1.47	0.05	28	0.84	42	0.336	2.31
B24-1	60		2	53	25	14	545	3.56	33	155	1.54	0.039	27	0.76	24	0.332	1.96
B25-1	29		13	36	9	4	357	1.14	27	45	0.75	0.043	10	0.17	48	0.096	0.64
B26-1	40		9	63	18	11	1490	2.55	50	106	1.7	0.058	19	0.57	69	0.231	1.61
B27-1	80		2	57	28	18	727	3.73	32	161	1.38	0.045	33	0.86	30	0.359	2.66
B28-1	46		8	74	24	14	2386	3.32	32	144	1.45	0.057	27	0.68	64	0.326	2.12
B29-1	54		5	63	25	17	1460	3.7	35	165	1.64	0.058	32	0.63	52	0.357	2.28
B30-1	56		2	64	26	14	1117	3.61	31	158	1.5	0.06	33	0.59	30	0.336	2.43
B31-1	46		5	49	22	12	647	3.7	28	173	1.48	0.044	33	0.5	21	0.394	2.13
B32-1	45		5	57	22	12	2002	3.48	29	149	1.52	0.046	30	0.62	27	0.319	2
B33-1	29		2	36	10	5	214	1.32	34	58	1.33	0.067	11	0.3	14	0.129	0.76
B34-1	56		3	45	20	12	450	2.58	31	115	1.47	0.047	23	0.54	18	0.251	1.61
B-35-1	47		2	54	21	12	621	2.78	37	128	2.04	0.044	23	0.59	18	0.279	1.82
B-36-1	57		7	46	21	13	811	3.52	38	156	1.54	0.046	30	0.55	35	0.333	2.23
B-37-1	54		8	43	24	15	512	3.47	34	157	1.76	0.033	26	0.7	17	0.374	2.11
B-38-1	48		11	63	23	14	1175	3.17	46	147	2.05	0.032	24	0.68	38	0.365	2.01
B-39-1	67		10	51	27	16	565	4.51	29	210	1.7	0.046	43	0.64	20	0.513	2.84
B-40-1	63		10	60	27	15	598	3.55	39	166	1.96	0.028	28	0.76	23	0.411	2.31
B-41-1	66		18	66	28	16	1287	3.62	45	165	2.06	0.035	28	0.78	34	0.418	2.41
B-42-1	43		18	47	21	12	1899	2.95	48	138	2.2	0.038	22	0.57	37	0.347	1.83
B-43-1	22		2	63	9	5	1943	1.08	25	48	1.42	0.072	9	0.2	32	0.109	0.71
B-44-1	35		7	53	14	8	2746	2.04	72	96	2.21	0.071	16	0.39	50	0.239	1.39
B-45-1	17		2	60	6	2	646	0.43	61	20	1.82	0.083	4	0.21	35	0.047	0.3
B-46-1	26		4	66	12	6	1758	1.44	48	66	1.82	0.089	12	0.34	59	0.152	0.96
B-47-1	29		7	50	12	9	1253	1.67	43	78	1.78	0.066	13	0.36	26	0.196	1
B-48-1	59		2	46	20	11	683	2.62	37	125	1.67	0.058	20	0.54	19	0.309	1.67

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B-49-1	63		12	48	25	15	983	3.38	60	159	1.83	0.037	27	0.71	39	0.388	2.21
B-50-1	30		2	40	12	6	1191	1.39	54	63	1.61	0.07	11	0.36	47	0.15	0.9
B-51-1	27		24	34	10	5	500	1.4	39	61	1.12	0.044	12	0.27	28	0.152	0.79
B-52-1	69		2	49	20	11	559	2.5	51	116	1.79	0.061	23	0.59	25	0.277	1.54
B-53-1	33		2	39	11	5	1137	1.43	42	62	1.42	0.069	13	0.31	38	0.169	0.8
B-54-1	48		11	47	19	11	1673	2.61	45	118	1.5	0.045	22	0.53	36	0.316	1.47
B-55-1	25		2	24	11	6	914	1.43	27	65	1.17	0.044	13	0.29	16	0.174	0.83
B-56-1	35		8	62	18	9	7922	2.03	40	88	1.76	0.066	18	0.45	38	0.217	1.28
B-57-1	51		6	55	21	11	2717	2.46	67	110	1.75	0.064	22	0.56	49	0.259	1.58
B-58-1	32		5	40	14	7	1998	1.57	49	66	1.37	0.054	14	0.37	42	0.167	0.99
B-59-1	35		9	48	17	10	4427	2.13	33	88	1.44	0.057	18	0.47	29	0.22	1.33
B-60-1	26		4	42	13	7	848	1.26	39	52	1.67	0.073	10	0.34	24	0.131	0.76

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
B-01-2	12	2	100	3	2	588	0.21	40	9	1.92	0.064	2	0.16	11	0.017	0.14
B-02-2	40	7	47	17	9	1092	3.97	27	186	1.13	0.08	39	0.33	27	0.356	2.13
B-03-2	24	31	78	11	6	4627	1.69	35	71	1.14	0.097	15	0.23	44	0.147	0.88
B-04-2	20	12	88	10	5	5802	1.55	31	58	1.35	0.085	15	0.14	72	0.11	0.79
B-05-2	13	11	33	5	2	841	0.61	22	25	0.98	0.051	5	0.09	38	0.047	0.34
B-06-2	21	7	49	12	5	1060	1.44	39	68	1.84	0.071	17	0.19	30	0.145	0.79
B-07-2	30	2	51	10	5	610	2.33	23	114	0.89	0.06	26	0.15	22	0.222	0.99
B-08-2	35	4	54	11	6	421	1.88	53	97	1.32	0.07	27	0.29	28	0.203	1.12
B-09-2	103	8	51	29	16	541	3.85	37	173	1.67	0.051	40	0.58	33	0.42	2.76
B-10-2	36	8	72	13	9	2238	2.61	43	112	1.28	0.072	21	0.28	86	0.275	1.41
B-11-2	10	6	18	4	2	521	0.51	21	22	0.73	0.055	5	0.07	20	0.044	0.23
B-12-2	55	7	43	18	12	1612	2.66	38	128	1.61	0.055	18	0.51	23	0.332	1.54
B-13-2	26	10	26	9	5	194	2.02	23	72	0.68	0.071	13	0.16	14	0.216	1.08
B-14-2	29	8	60	11	10	3853	1.77	45	66	1.28	0.087	10	0.3	47	0.184	0.97
B-15-2	24	8	20	6	3	131	1.07	24	40	0.83	0.069	8	0.17	7	0.115	0.56
B-16-2	38	9	53	10	7	1634	1.55	39	55	1.31	0.096	9	0.29	33	0.147	0.89
B-17-2	15	8	27	5	3	152	0.95	20	35	0.79	0.065	6	0.11	6	0.093	0.47
B-18-2	29	5	26	8	3	963	0.9	45	43	2.3	0.07	6	0.22	11	0.089	0.53
B-19-2	29	15	35	10	7	462	2.08	36	74	1.45	0.084	11	0.31	16	0.223	1.09
B-20-2	29	13	35	11	7	1564	2	61	69	1.84	0.062	12	0.34	49	0.218	1.12
B-21-2	23	4	56	5	4	492	0.96	44	33	0.98	0.073	6	0.19	56	0.096	0.56
B-22-2	12	6	49	3	2	1313	0.31	45	11	1.5	0.052	2	0.15	23	0.03	0.19
B-23-2	12	13	21	5	5	1518	1.13	22	40	0.79	0.061	6	0.11	32	0.106	0.47
B-24-2	20	4	42	7	4	1809	0.65	40	24	1.2	0.095	4	0.19	33	0.066	0.38
B-25-2	33	3	74	10	7	7525	1.44	73	50	1.77	0.092	8	0.32	139	0.122	0.94
B-26-2	8	4	23	3	1	937	0.31	18	10	0.56	0.069	2	0.06	36	0.027	0.18
B-27-2	18	15	51	8	7	5927	1.28	46	39	1.17	0.076	8	0.27	85	0.097	0.73
B-28-2	13	11	21	5	4	1560	0.8	30	26	0.71	0.04	5	0.13	50	0.065	0.45
B-29-2	26	14	43	10	9	3360	1.73	52	54	1.4	0.054	10	0.42	75	0.169	1.06
B-30-2	15	10	66	9	6	6849	0.91	127	28	1.62	0.08	11	0.3	157	0.081	0.65
B-31-2	15	5	112	9	4	10050	0.7	95	24	1.79	0.097	6	0.22	218	0.061	0.52
B-32-2	23	7	91	11	7	8851	1.16	124	39	2.08	0.086	8	0.34	240	0.098	0.84
B-33-2	16	29	35	6	5	3905	0.94	56	29	2.09	0.064	6	0.22	56	0.081	0.57
B-34-2	36	21	56	13	11	4261	2.37	59	78	1.86	0.05	13	0.44	128	0.229	1.5
B-35-2	22	12	52	11	9	4344	2.04	52	61	1.55	0.058	11	0.32	85	0.176	1.28
B-36-2	17	8	33	6	5	3160	1.01	48	32	1.49	0.064	5	0.18	58	0.079	0.57
B-37-2	8	3	18	2	1	787	0.3	57	9	0.99	0.056	2	0.11	44	0.025	0.17
B-38-2	12	7	77	5	3	5401	0.5	87	16	2.44	0.079	3	0.17	125	0.04	0.39
B-39-2	8	6	29	3	2	1153	0.36	39	12	1.58	0.043	2	0.13	27	0.028	0.24
B-40-2	18	15	51	9	7	4095	1.33	64	45	1.73	0.072	9	0.29	120	0.107	0.85
B-41-2	15	20	74	7	6	4706	1.1	71	37	1.98	0.074	7	0.22	149	0.083	0.69
B-42-2	15	5	18	3	2	507	0.5	33	16	0.64	0.04	3	0.08	60	0.036	0.29
B-43-2	22	26	36	8	6	944	1.28	61	39	1.45	0.069	7	0.26	36	0.098	0.75
B-44-2	20	3	58	7	5	3537	1.05	81	31	1.45	0.088	6	0.23	80	0.068	0.73
B-45-2	18	4	71	6	5	3548	0.94	129	27	2.36	0.075	5	0.3	80	0.064	0.61
B-46-2	48	2	28	8	6	599	1.16	57	36	2.59	0.06	11	0.31	28	0.085	0.86
B-47-2	53	7	34	14	13	907	2.67	55	85	1.58	0.054	16	0.43	31	0.265	1.59
B-48-2	18	4	29	7	6	1498	1.24	69	39	1.67	0.073	7	0.25	49	0.112	0.7
B-49-2	49	7	50	11	9	1252	1.64	67	52	1.71	0.059	11	0.42	31	0.152	1.09
B-50-2	61	6	57	12	10	1490	1.89	75	59	2	0.069	13	0.5	36	0.156	1.22

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
B-01-3	26	6	57	13	9	1168	2.79	23	104	1.4	0.095	21	0.3	18	0.225	1.81
B-02-3	51	14	60	18	15	1095	3.26	43	120	1.52	0.051	21	0.64	44	0.276	1.94
B-03-3	42	2	81	13	8	763	1.68	39	58	1.49	0.059	12	0.38	21	0.154	1.28
B-04-3	40	8	59	17	14	779	3.28	29	140	1.31	0.056	22	0.44	18	0.266	1.9
B-05-3	50	10	50	17	15	851	3.38	83	139	1.49	0.036	18	0.75	51	0.301	2.18
B-06-3	34	7	41	10	9	424	1.8	55	65	1.23	0.06	11	0.34	29	0.164	1.08
B-07-3	37	40	33	13	8	212	2.47	61	94	1.07	0.056	17	0.38	32	0.24	1.44
B-08-3	18	7	15	6	4	107	1.06	42	39	1.13	0.063	8	0.2	16	0.091	0.58
B-09-3	35	6	21	8	3	329	0.69	47	42	1.95	0.062	6	0.31	11	0.058	0.49
B-10-3	43	5	34	15	10	381	2.59	32	94	1.24	0.061	18	0.44	18	0.265	1.52
B-11-3	30	4	19	9	6	338	1.56	41	57	1.73	0.052	10	0.35	13	0.168	0.84
B-12-3	56	6	36	17	12	558	3.03	46	114	1.55	0.058	21	0.55	23	0.328	1.79
B-13-3	70	12	38	18	13	1092	3.11	49	115	1.77	0.045	18	0.66	29	0.35	2.01
B-14-3	35	7	35	15	8	344	2.28	44	81	1.28	0.05	18	0.48	30	0.241	1.23
B-15-3	49	8	46	17	11	653	3.38	34	122	1.14	0.047	20	0.63	22	0.351	1.81

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
B-01-4	54	3	42	16	11	630	2.96	38	101	1.25	0.069	21	0.54	45	0.239	2.16
B-02-4	46	4	41	15	8	646	1.81	32	61	1.05	0.055	15	0.44	49	0.17	1.45
B-03-4	15	7	35	5	3	190	0.71	41	28	1.34	0.058	7	0.11	25	0.065	0.49
B-04-4	25	6	35	8	5	490	1.67	39	60	1.41	0.057	14	0.17	25	0.138	1.07
B-05-4	42	13	28	10	9	2078	2.11	55	82	2.65	0.055	18	0.17	22	0.177	1.49
B-06-4	3	5	24	2	0.5	1186	0.13	20	5	0.68	0.049	0.5	0.03	24	0.009	0.1
B-07-4	8	13	29	5	3	676	1.27	31	41	0.75	0.052	8	0.09	43	0.111	0.6
B-08-4	14	10	63	8	5	1090	1.44	40	50	1.29	0.07	12	0.17	45	0.138	0.86
B-09-4	17	8	48	5	4	2878	1.2	37	43	1.59	0.051	10	0.1	40	0.096	0.84
B-10-4	23	9	47	12	8	1659	2.56	29	92	0.88	0.063	20	0.24	62	0.228	1.74
B-11-4	12	14	55	8	4	3014	1.71	34	63	1.17	0.071	12	0.14	79	0.126	0.79
B-12-4	27	15	241	6	4	1878	1.4	47	33	1.67	0.082	8	0.14	40	0.076	0.66
B-13-4	18	13	49	6	4	1853	0.99	38	32	1.24	0.071	7	0.12	42	0.071	0.66
B-14-4	17	20	218	6	4	1322	1.95	40	47	1.19	0.066	10	0.11	38	0.104	0.69
B-15-4	11	16	110	4	2	1505	0.7	41	24	1.26	0.08	6	0.1	42	0.046	0.43
B-16-4	10	8	109	4	3	813	1.02	68	39	1.46	0.068	7	0.1	33	0.084	0.48
B-17-4	9	18	44	5	3	2208	1.27	39	49	1.18	0.064	10	0.11	84	0.108	0.44
B-18-4	21	5	45	11	7	1012	3.36	32	117	0.94	0.05	22	0.29	38	0.305	1.82
B-19-4	23	7	37	10	6	294	2.19	27	77	0.75	0.06	16	0.24	39	0.174	1.34
B-20-4	12	19	90	2	0.5	2215	0.15	35	7	1.79	0.095	2	0.11	25	0.01	0.11
B-21-4	16	150	62	4	2	1313	0.63	28	27	1.28	0.042	5	0.07	14	0.057	0.35
B-22-4	5	8	30	0.5	0.5	484	0.14	20	6	0.86	0.062	1	0.04	16	0.013	0.08

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
B-01-5	46	7	37	14	9	1147	2.46	23	94	1.05	0.069	14	0.35	27	0.237	1.39
B-02-5	7	9	38	2	1	3283	0.41	45	16	0.74	0.088	3	0.06	107	0.038	0.18
B-03-5	7	9	23	2	1	2737	0.27	31	11	1.1	0.078	2	0.06	24	0.024	0.18
B-04-5	46	2	28	10	6	468	1.92	38	73	1.32	0.058	9	0.31	13	0.213	1.01
B-05-5	20	5	72	7	5	7468	1.12	93	39	1.65	0.087	7	0.22	197	0.106	0.66
B-06-5	18	8	42	7	4	5118	0.86	41	33	0.94	0.093	18	0.12	125	0.077	0.43
B-07-5	12	9	45	3	2	4472	0.35	35	13	0.96	0.087	3	0.1	75	0.028	0.21
B-08-5	11	12	45	3	2	5859	0.33	47	12	1.15	0.094	3	0.09	69	0.024	0.24
B-09-5	16	7	90	7	7	6531	1.06	91	39	1.87	0.109	6	0.21	132	0.083	0.48
B-10-5	12	6	55	4	2	3973	0.52	49	19	1.36	0.097	3	0.1	64	0.043	0.28
B-11-5	15	6	28	5	3	2179	0.9	39	34	1.16	0.054	6	0.15	40	0.084	0.45
B-12-5	10	5	30	3	2	718	0.45	30	17	0.55	0.065	4	0.07	48	0.038	0.24
B-13-5	20	21	59	9	6	10050	1.23	30	46	1.16	0.104	9	0.22	91	0.108	0.69
B-14-5	9	10	24	4	2	924	0.59	23	20	0.63	0.076	3	0.09	39	0.059	0.27
B-15-5	20	30	40	9	7	5365	1.79	29	71	0.91	0.06	8	0.11	127	0.203	0.68
B-16-5	7	4	22	2	0.5	745	0.19	20	7	0.45	0.075	0.5	0.05	37	0.014	0.12
B-17-5	14	22	65	9	5	9921	0.96	38	33	1.37	0.09	6	0.21	144	0.077	0.61
B-18-5	11	10	33	4	3	2313	0.76	29	28	1.03	0.089	4	0.12	82	0.074	0.35
B-19-5	8	37	48	5	3	7226	0.86	34	32	1.16	0.089	5	0.1	85	0.08	0.36
B-20-5	22	27	32	6	3	3770	1.14	23	39	0.73	0.084	5	0.12	65	0.1	0.56
B-21-5	11	7	27	2	0.5	1526	0.22	28	8	0.74	0.075	0.5	0.05	41	0.022	0.14
B-22-5	5	16	18	1	0.5	73	0.14	18	5	0.33	0.029	0.5	0.03	20	0.012	0.11
B-01-6	25	15	49	9	6	1574	1.89	107	69	1.79	0.068	13	0.41	44	0.145	1.23
B-02-6	76	18	51	18	14	1873	2.71	122	98	1.56	0.077	24	0.56	40	0.232	1.86
B-03-6	21	36	44	7	6	1080	1.44	122	54	1.75	0.07	11	0.35	53	0.089	1.24
B-04-6	14	27	29	4	2	1221	0.59	95	22	2.19	0.069	4	0.2	79	0.037	0.43
B-05-6	12	31	48	5	3	1707	0.88	103	31	1.33	0.081	6	0.2	78	0.039	0.6
B-06-6	11	34	39	5	3	1423	0.93	66	32	1.29	0.065	6	0.17	74	0.066	0.58
B-07-6	48	24	46	14	8	435	2.19	69	81	1.93	0.052	19	0.48	24	0.214	1.54
B-08-6	15	30	46	6	4	1347	1.32	73	46	1.13	0.081	9	0.3	80	0.079	0.85
B-09-6	18	68	65	8	5	2074	1.38	67	45	1.2	0.083	9	0.33	112	0.075	0.94
B-10-6	29	40	80	11	8	3457	2.18	72	75	1.26	0.089	15	0.44	170	0.146	1.48
B-11-6	20	35	52	8	5	936	1.58	52	57	1.01	0.047	11	0.33	57	0.122	1.07
B-12-6	17	27	60	6	4	1928	1.12	77	41	1.34	0.079	8	0.29	73	0.073	0.78
B-13-6	20	25	67	8	4	1969	1.41	87	47	1.22	0.07	10	0.29	108	0.1	1.03
B-14-6	24	53	63	8	5	3011	1.46	62	47	1.33	0.089	11	0.32	102	0.097	1.04
B-15-6	20	23	71	8	5	3387	1.31	73	43	1.38	0.093	9	0.29	111	0.079	0.97
B-16-6	21	30	42	8	5	1866	1.56	37	53	0.99	0.057	11	0.29	70	0.129	1
B-17-6	23	25	52	11	6	2363	1.81	49	62	1.2	0.061	14	0.33	97	0.137	1.23
B-18-6	21	12	54	8	5	1316	1.26	45	44	0.97	0.098	11	0.27	69	0.094	0.93
B-19-6	24	80	71	11	6	2806	1.93	67	63	1.35	0.079	15	0.4	142	0.149	1.51
B-20-6	17	17	26	8	5	1860	1.68	36	55	0.95	0.041	11	0.31	53	0.144	0.95
B-21-6	13	20	42	6	3	1682	1.04	41	33	0.92	0.069	8	0.23	74	0.074	0.64
B-22-6	26	13	77	12	6	1595	2.02	71	65	1.56	0.091	14	0.47	128	0.153	1.3
B-23-6	20	16	63	8	5	3121	1.43	38	46	1.2	0.074	10	0.3	55	0.105	0.9
B-24-6	24	17	57	10	5	1808	1.54	45	49	1.34	0.104	10	0.33	73	0.113	1.02
B-25-6	13	15	51	4	2	444	0.56	44	18	0.92	0.074	4	0.1	49	0.037	0.36
B-26-6	15	27	78	7	3	2324	0.68	68	22	1.72	0.097	5	0.17	150	0.038	0.58
B-27-6	7	29	28	2	0.5	105	0.25	26	9	0.54	0.07	3	0.07	55	0.019	0.19

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B-28-6		21	17	32	8	4	713	1.99	43	66	1.03	0.057	14	0.25	60	0.165	1.3
B-29-6		21	23	37	10	6	2888	2.06	26	71	0.93	0.057	18	0.28	44	0.174	1.35
B-30-6		25	25	59	9	6	1052	2.23	56	61	1.4	0.047	12	0.36	114	0.146	1.26
B-31-6		22	46	170	7	5	1599	1.55	51	52	1.65	0.06	11	0.22	58	0.104	0.92
B-32-6		12	44	60	5	3	10050	0.86	25	25	1.06	0.079	5	0.13	40	0.044	0.51
B-33-6		22	19	66	8	6	1361	1.3	55	45	1.71	0.086	8	0.32	49	0.093	0.99
B-34-6		15	29	54	5	3	1899	1.08	46	42	1.11	0.083	9	0.13	89	0.087	0.55
B-35-6		13	46	40	5	4	6322	0.91	19	33	0.67	0.092	6	0.11	30	0.064	0.47
B-36-6		22	14	46	8	5	1183	1.49	35	51	0.95	0.071	10	0.35	33	0.107	1.01
B-37-6		13	35	33	5	2	152	0.7	34	23	1.02	0.046	5	0.1	24	0.049	0.45
B-38-6		13	28	40	5	2	258	0.99	26	30	0.74	0.069	6	0.13	28	0.056	0.55
B-39-6		13	47	80	4	1	238	0.43	36	16	1.37	0.057	4	0.05	17	0.032	0.27
B-40-6		11	40	57	4	3	3616	0.72	24	28	0.99	0.053	5	0.09	21	0.055	0.33
B-41-6		12	69	41	6	3	1227	1.27	19	48	0.84	0.063	10	0.14	14	0.111	0.57
B-42-6		9	37	42	4	2	1066	0.38	33	15	1.74	0.042	4	0.1	17	0.029	0.24
B-43-6		29	18	42	11	7	599	1.9	63	71	1.44	0.048	14	0.4	32	0.175	1.19
B-44-6		28	27	42	12	6	1437	1.71	73	65	2.34	0.049	13	0.41	58	0.16	1.18
B-45-6		25	22	45	12	6	1274	1.96	73	71	1.8	0.058	14	0.42	53	0.191	1.29
B-46-6		16	26	36	8	5	3464	1.33	37	53	1.17	0.073	11	0.2	30	0.122	0.78
B-47-6		11	22	28	5	3	1412	1.03	36	40	1.02	0.042	8	0.15	34	0.095	0.63
B-48-6		23	31	55	11	7	4711	2.04	61	74	1.12	0.053	13	0.37	48	0.16	1.27
B-49-6		12	48	49	6	2	2146	0.67	35	26	1.34	0.069	5	0.16	20	0.05	0.44
B-50-6		22	62	84	9	5	2614	1.41	88	52	2	0.069	9	0.34	64	0.116	0.94
B-51-6		24	40	33	12	6	1233	2.26	55	87	1.2	0.053	16	0.34	36	0.191	1.42
B-52-6		21	49	50	10	5	3493	1.75	58	69	1.28	0.07	13	0.3	59	0.134	1.04
B-53-6		27	37	48	11	6	1455	1.7	47	69	1.06	0.056	14	0.32	33	0.144	1.1
B-54-6		13	29	36	5	3	1174	0.96	41	36	0.89	0.055	7	0.16	50	0.069	0.59
B-55-6		29	65	48	12	7	1896	2.04	92	77	1.46	0.056	15	0.45	69	0.165	1.44
B-56-6		33	8	50	14	8	1550	1.97	78	83	1.65	0.068	16	0.42	42	0.168	1.4
B-57-6		24	22	51	14	7	1738	1.97	72	85	1.29	0.079	19	0.31	75	0.171	1.17
B-58-6		23	31	35	9	6	1484	1.39	85	59	1.27	0.059	10	0.29	44	0.102	0.98
B-59-6		14	54	38	6	3	3360	0.82	49	34	0.95	0.078	6	0.17	30	0.05	0.58
B-60-6		11	39	34	4	2	1378	0.63	32	28	0.78	0.045	6	0.11	29	0.045	0.43
B-61-6		17	14	34	6	3	1414	0.74	38	30	0.99	0.051	7	0.16	28	0.053	0.54
B-62-6		28	22	82	11	7	2790	1.63	104	67	1.83	0.084	13	0.35	77	0.123	1.16
B-63-6	38		25	88	14	9	2330	2.04	107	82	1.61	0.077	18	0.43	67	0.155	1.59
B-64-6		14	43	81	7	3	2613	0.72	78	33	1.59	0.084	7	0.16	93	0.064	0.43
B-65-6		15	50	55	6	3	1207	0.85	52	33	1	0.094	9	0.17	61	0.065	0.59
B-66-6		10	58	27	5	2	958	0.59	22	25	0.59	0.073	5	0.08	37	0.04	0.35
B-67-6		21	19	73	9	4	2422	1.56	112	74	1.92	0.086	14	0.23	194	0.151	0.77
B-68-6		13	20	72	8	4	2790	1.39	41	65	1.31	0.074	13	0.22	78	0.127	0.72
B-69-6		19	42	82	9	6	2326	1.3	60	57	1.38	0.082	14	0.24	93	0.11	0.8
B-70-6		10	16	34	4	2	1485	0.49	29	16	0.87	0.073	5	0.17	50	0.023	0.38
B-71-6		15	16	52	6	3	3525	0.93	36	34	1.02	0.088	9	0.21	92	0.063	0.61
B-72-6		19	32	41	9	4	4153	1.6	24	69	1.22	0.061	18	0.24	32	0.148	0.96
B-73-6		12	24	29	5	2	2905	0.73	19	27	0.73	0.053	7	0.17	26	0.051	0.53
B-74-6		13	37	35	4	3	2229	0.64	16	27	0.83	0.078	6	0.1	19	0.052	0.38
B-75-6		15	42	30	7	11	1602	1.61	32	72	0.88	0.058	15	0.18	37	0.134	0.61
B-76-6		17	27	37	10	5	1343	2.87	19	164	0.89	0.073	27	0.17	36	0.325	0.96

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B-01-7		6	8	66	4	2	7561	0.32	43	10	0.97	0.091	3	0.08	191	0.017	0.24
B-02-7		9	34	89	7	5	10050	1.07	40	31	0.88	0.103	7	0.12	242	0.063	0.73
B-03-7		10	25	103	5	4	10050	0.68	54	21	1	0.093	5	0.11	354	0.048	0.57
B-04-7		11	22	235	5	3	8557	0.67	51	20	1.46	0.082	5	0.12	244	0.046	0.51
B-01-8		10	7	60	5	3	2480	0.82	102	28	1.67	0.063	7	0.16	138	0.063	0.58
B-02-8		11	15	54	6	5	3710	1.08	72	34	1.25	0.055	7	0.19	186	0.079	0.76
B-03-8		6	4	57	2	1	1976	0.19	40	6	0.93	0.098	2	0.07	67	0.009	0.17
B-04-8		10	8	60	4	3	2980	0.68	112	21	1.37	0.091	4	0.15	140	0.037	0.64
B-05-8		17	4	44	6	6	760	1.64	50	54	0.94	0.062	10	0.26	42	0.123	1.3
B-06-8		8	2	103	3	2	901	0.43	80	15	2.68	0.086	3	0.17	52	0.037	0.35
B-07-8		7	4	64	2	1	2918	0.21	119	6	1.67	0.064	1	0.1	167	0.011	0.23
B-08-8		8	9	33	3	1	3014	0.31	83	10	1.29	0.053	2	0.09	117	0.018	0.25

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B-01-9		20	26	183	8	6	2132	1.09	69	28	2.46	0.07	10	0.29	74	0.07	0.74
B-02-9		9	13	122	3	2	3141	0.32	89	9	2.02	0.086	2	0.14	88	0.018	0.26
B-03-9		13	17	102	4	3	2879	0.76	99	16	1.96	0.064	4	0.2	132	0.036	0.45
B-04-9		14	13	271	5	5	3608	0.88	133	22	2.91	0.08	5	0.2	173	0.052	0.55
B-05-9		9	10	334	4	3	4050	0.59	119	14	1.86	0.098	3	0.18	160	0.037	0.43
B-06-9		14	10	193	6	6	2656	1.51	151	37	2.16	0.075	8	0.25	163	0.105	0.87
B-07-9		14	14	134	4	4	1567	0.84	86	20	1.42	0.051	4	0.13	109	0.062	0.49
B-08-9		6	8	35	2	2	1396	0.53	65	13	0.81	0.026	3	0.08	64	0.044	0.37
B-09-9		8	8	36	4	3	1996	1.08	83	27	1.23	0.058	6	0.19	89	0.08	0.65
B-10-9	62	5	233	12	10	823	2.53	81	94	2.15	0.036	16	0.58	41	0.211	2.21	
B-11-9	7	2	63	3	2	3337	0.61	148	17	2.23	0.089	3	0.15	176	0.04	0.42	
B-12-9	4	2	26	0.5	0.5	1569	0.12	55	3	0.96	0.039	0.5	0.08	52	0.008	0.1	
B-13-9	25	4	21	6	4	1598	0.9	58	34	1.74	0.032	7	0.14	40	0.093	0.95	
B-14-9	7	15	41	3	0.5	1872	0.27	64	9	1.53	0.077	2	0.09	40	0.018	0.2	
B-15-9	11	5	30	3	3	1358	0.68	59	23	1.17	0.037	5	0.13	29	0.077	0.62	
B-16-9	20	22	176	12	8	6172	1.65	156	49	2.29	0.115	14	0.32	175	0.11	1.14	
B-17-9	20	29	304	11	7	4096	1.59	126	31	3.54	0.107	8	0.35	84	0.074	1.46	
B-18-9	16	5	84	4	4	396	0.83	98	26	2.58	0.063	6	0.21	20	0.049	0.6	

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %	
B-02-10		13	5	66	6	4	2258	0.78	88	29	1.55	0.072	6	0.21	94	0.066	0.58
B-03-10		22	5	24	7	6	1710	0.94	62	42	1.32	0.067	6	0.23	116	0.116	0.64
B-04-10		15	1	63	6	5	794	0.73	46	27	1.56	0.058	5	0.2	29	0.077	0.55
B-05-10		4	5	20	2	0.5	442	0.13	6	5	0.31	0.057	1	0.03	7	0.012	0.12
B-06-10		21	1	54	7	6	711	1.2	87	39	1.34	0.076	8	0.25	46	0.097	0.97
B-07-10		12	1	57	4	1	2383	0.18	54	7	1.48	0.11	1	0.14	93	0.014	0.14
B-08-10		33	5	69	16	7	2017	2.85	44	127	1.62	0.102	39	0.27	67	0.281	1.83
B-09-10		24	4	43	11	6	1189	1.42	34	64	1.28	0.105	13	0.21	40	0.147	1.09
B-10-10		11	4	50	7	2	5543	0.53	24	24	1.88	0.099	5	0.21	47	0.054	0.38
B-11-10		17	5	49	9	4	1738	1.35	34	63	1.68	0.095	14	0.19	56	0.149	0.77
B-12-10		10	8	59	5	2	3123	0.91	53	47	1.75	0.076	9	0.14	60	0.097	0.41
B-13-10		9	7	39	4	0.5	1616	0.3	34	13	1.17	0.075	3	0.11	52	0.023	0.22

	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
B-01-11	9	3	45	4	2	4260	0.28	20	11	0.89	0.088	2	0.1	22	0.014	0.22
B-02-11	7	5	36	3	2	4014	0.36	22	16	0.71	0.092	3	0.13	17	0.021	0.25
B-03-11	8	1	27	2	0.5	591	0.1	15	4	0.64	0.074	0.5	0.05	9	0.006	0.07
B-04-11	8	7	53	3	2	3123	0.4	26	16	0.6	0.106	2	0.07	37	0.018	0.28
B-05-11	8	4	50	3	2	1522	0.29	24	12	0.94	0.055	3	0.08	20	0.02	0.21
B-06-11	14	4	299	4	7	1172	0.43	72	17	2.37	0.074	2	0.31	26	0.021	0.33
B-07-11	10	6	33	5	3	1268	0.7	35	30	0.8	0.087	5	0.11	27	0.048	0.45
B-08-11	12	3	45	5	4	1667	0.68	84	31	1.57	0.105	5	0.16	60	0.043	0.55
B-09-11	21	12	40	8	6	1384	1.84	97	77	1.27	0.051	14	0.35	48	0.128	1.32
B-10-11	18	1	70	6	4	1680	0.91	105	36	1.56	0.1	6	0.28	67	0.056	0.75
B-11-11	18	6	97	9	7	1747	1.26	91	52	1.3	0.071	8	0.3	80	0.066	1.04
B-12-11	6	1	38	5	1	3430	0.2	33	8	1.99	0.081	0.5	0.1	21	0.01	0.17
B-13-11	13	6	32	7	3	1059	1.43	19	72	1.02	0.064	16	0.14	14	0.151	0.65

Bacon Lake Soil Statistics Summary

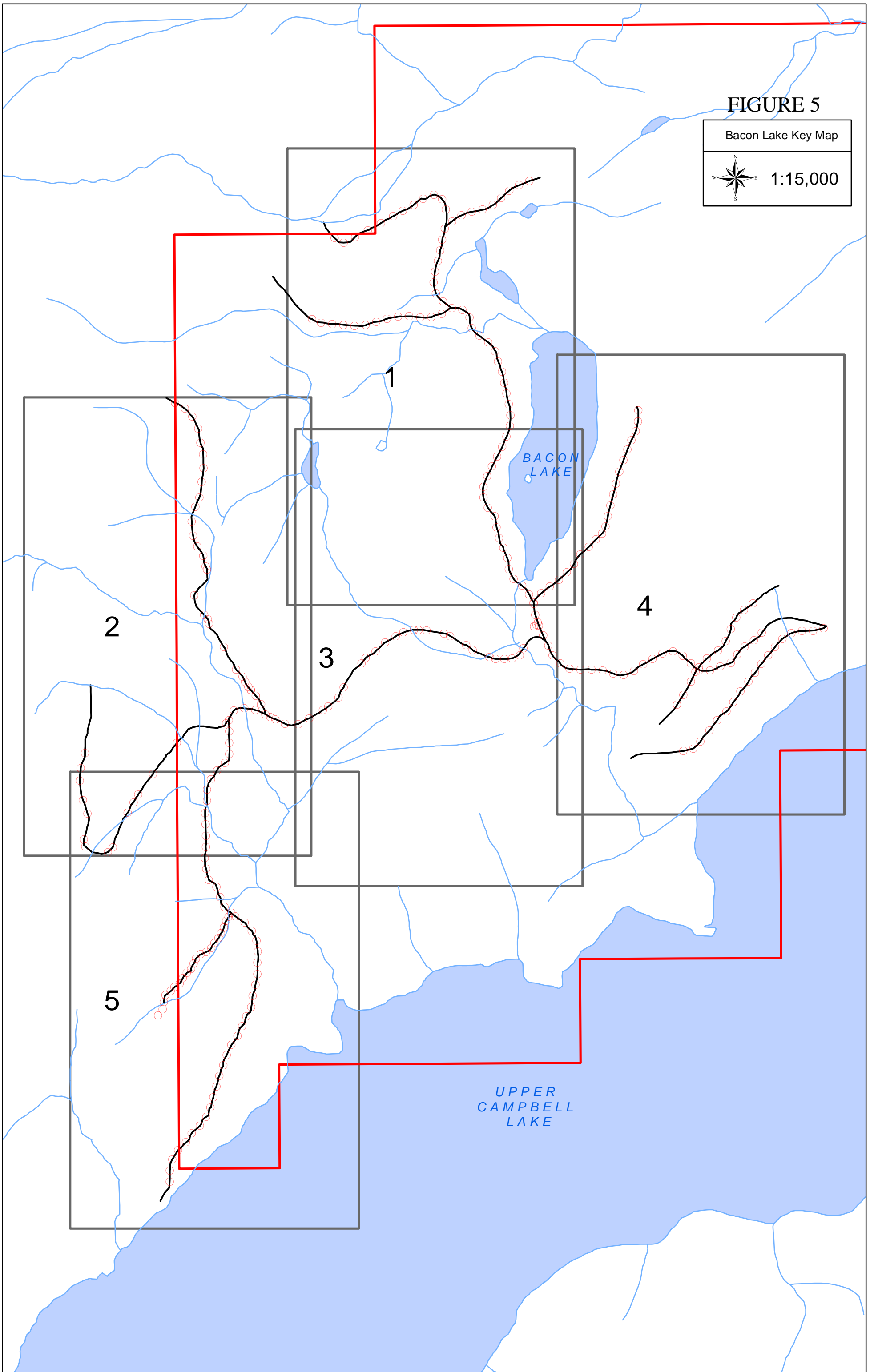
	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Co PPM	Mn PPM	Fe %	Sr PPM	V PPM	Ca %	P %	Cr PPM	Mg %	Ba PPM	Ti %	Al %
SUM	7687	4518	17587	2934	1819	642566	459	15382	18003	416	20	3536	87	17647	42	287
AVG	25.62	15.06	58.62	9.78	6.06	2141.89	1.53	51.27	60.01	1.39	0.07	11.79	0.29	58.82	0.14	0.96
25%	13	5	36	5	3	841	0.76	34	28	1.03	0.055	6	0.14	29	0.059	0.49
50%	21	9	50	8	5	1522	1.38	43	48	1.35	0.068	10	0.25	43	0.108	0.8
75%	35	21	63	12	8	2790	2.04	63	78	1.67	0.081	16	0.38	74	0.201	1.33
95%	62	46	122	24	15	6531	3.52	107	155	2.21	0.099	28	0.68	163	0.351	2.18

FIGURE 5

Bacon Lake Key Map



1:15,000



125°38'30"W

125°38'0"W

FIGURE 6-1

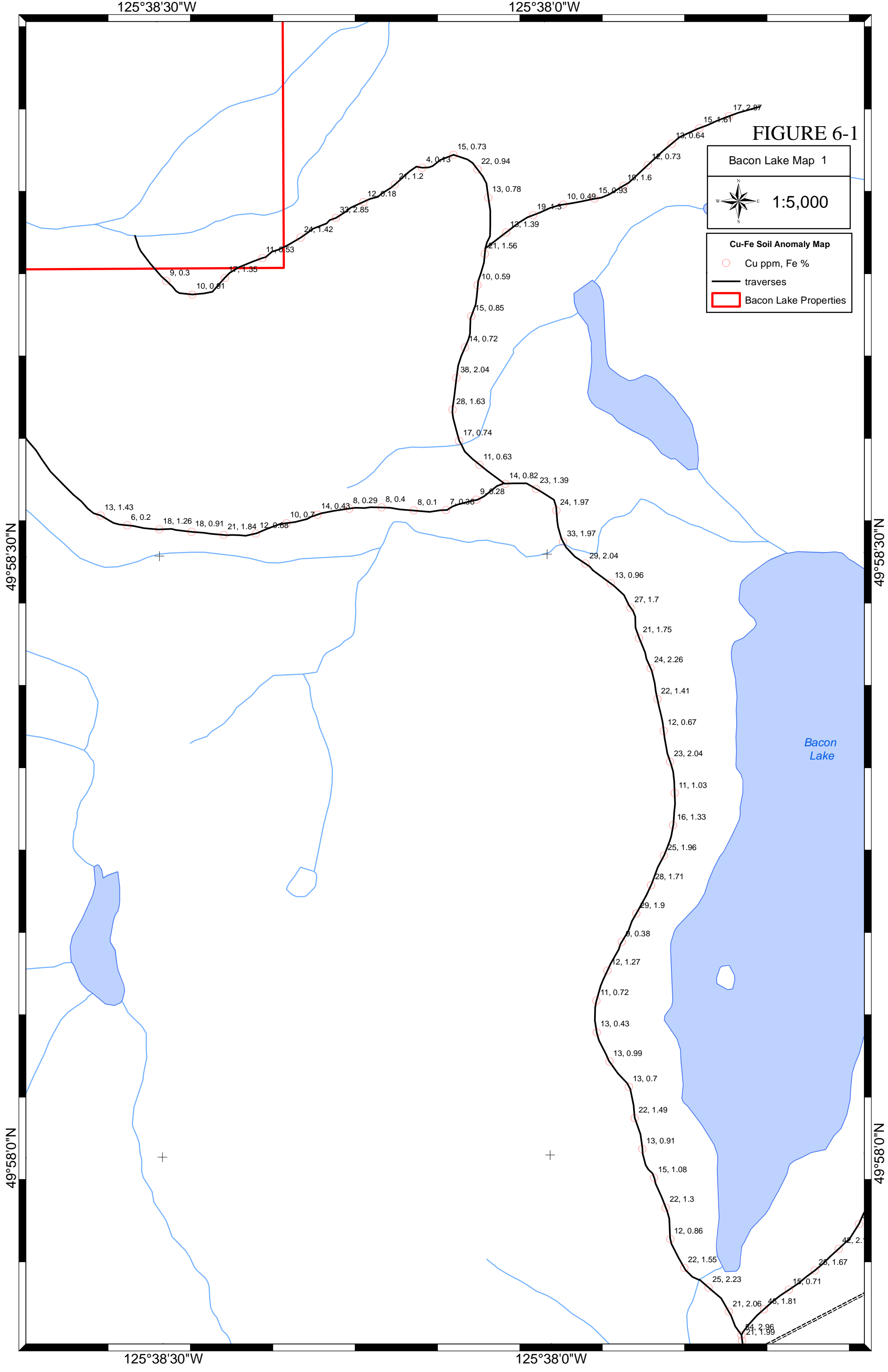
Bacon Lake Map 1



1:5,000

Cu-Fe Soil Anomaly Map

- Cu ppm, Fe %
- traverses
- Bacon Lake Properties



49°58'30"N

49°58'30"N

49°58'0"N

49°58'0"N

125°38'30"W

125°38'0"W

125°39'30"W

125°39'0"W

FIGURE 6-2

Bacon Lake Map 2



1:5,000

Cu-Fe Soil Anomaly Map

- Cu ppm, Fe %
- traverses
- Bacon Lake Properties

49°58'0"N

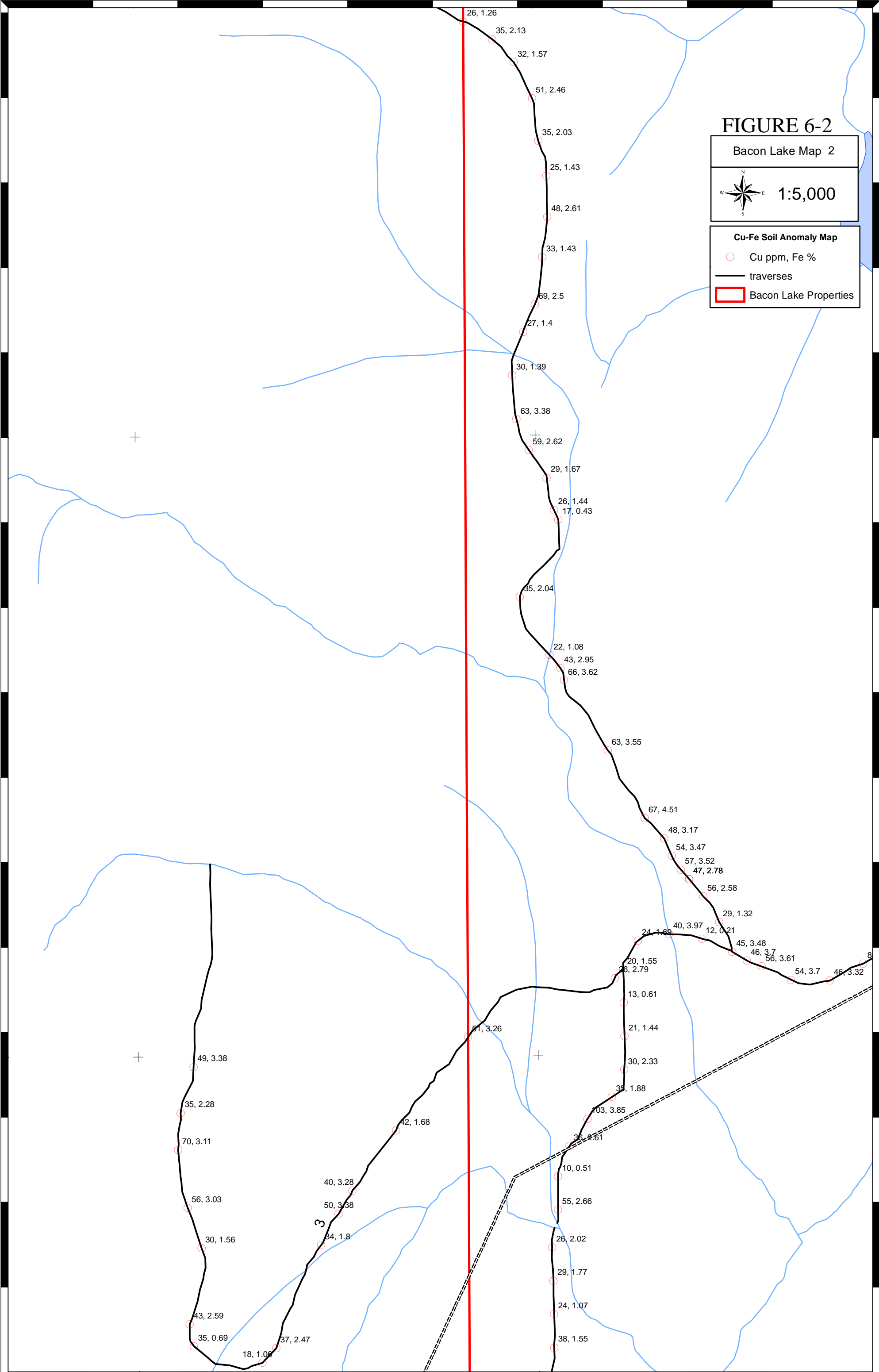
49°58'0"N

49°57'30"N

49°57'30"N

125°39'30"W

125°39'0"W



125°38'30"W

125°38'0"W

49°58'0"N

49°58'0"N

49°57'30"N

49°57'30"N

125°38'30"W

125°38'0"W

FIGURE 6-3

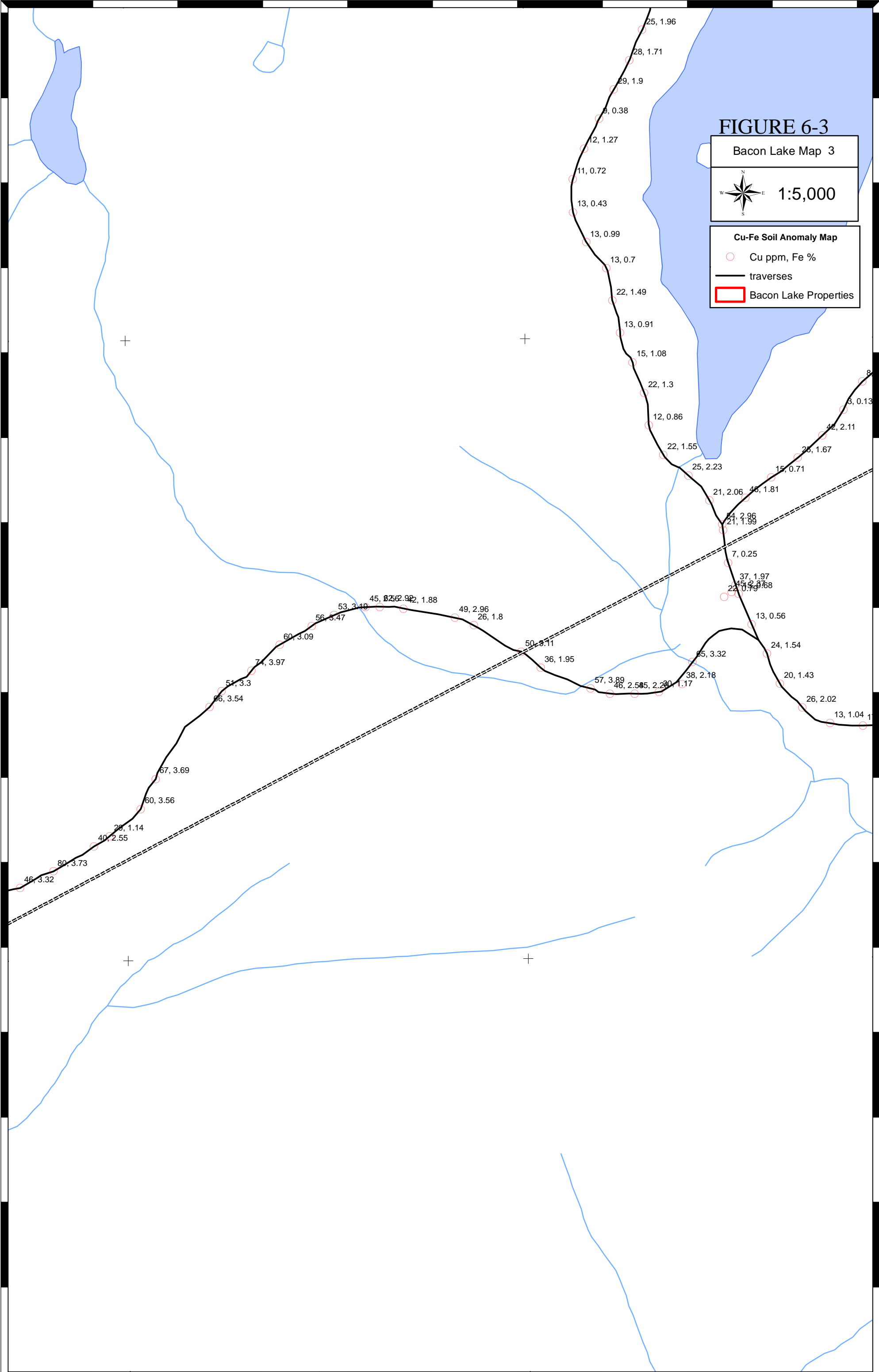
Bacon Lake Map 3



1:5,000

Cu-Fe Soil Anomaly Map

- Cu ppm, Fe %
- traverses
- Bacon Lake Properties



125°37'30"W

125°37'0"W

Bacon Lake

FIGURE 6-4

Bacon Lake Map 4



1:5,000

Cu-Fe Soil Anomaly Map

- Cu ppm, Fe %
- traverses
- Bacon Lake Properties

49°58'0"N

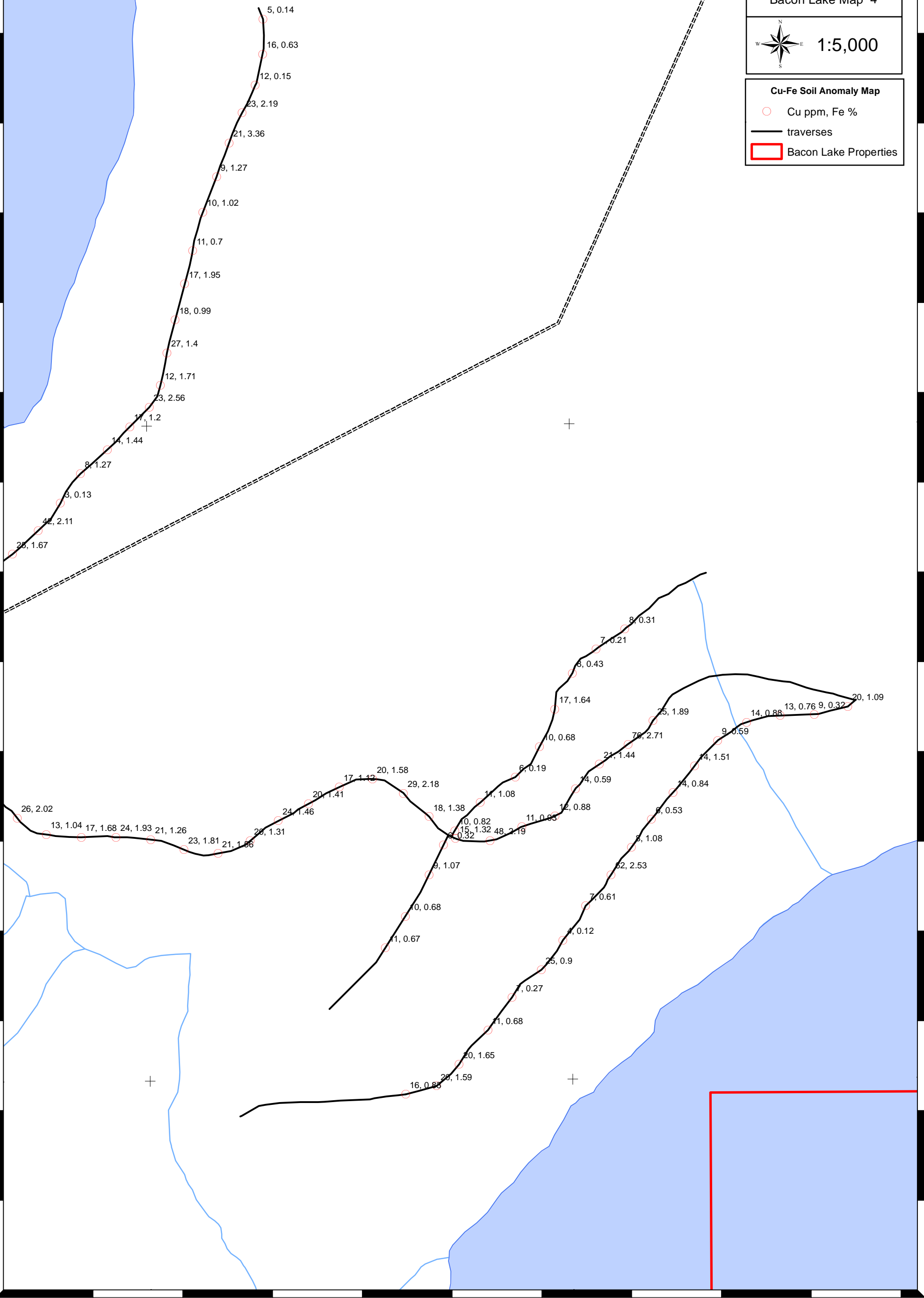
49°58'0"N

49°57'30"N

49°57'30"N

125°37'30"W

125°37'0"W



125°39'0"W

125°38'30"W

49°57'0"N

49°57'0"N

49°56'30"N

49°56'30"N

125°39'0"W

125°38'30"W

FIGURE 6-5

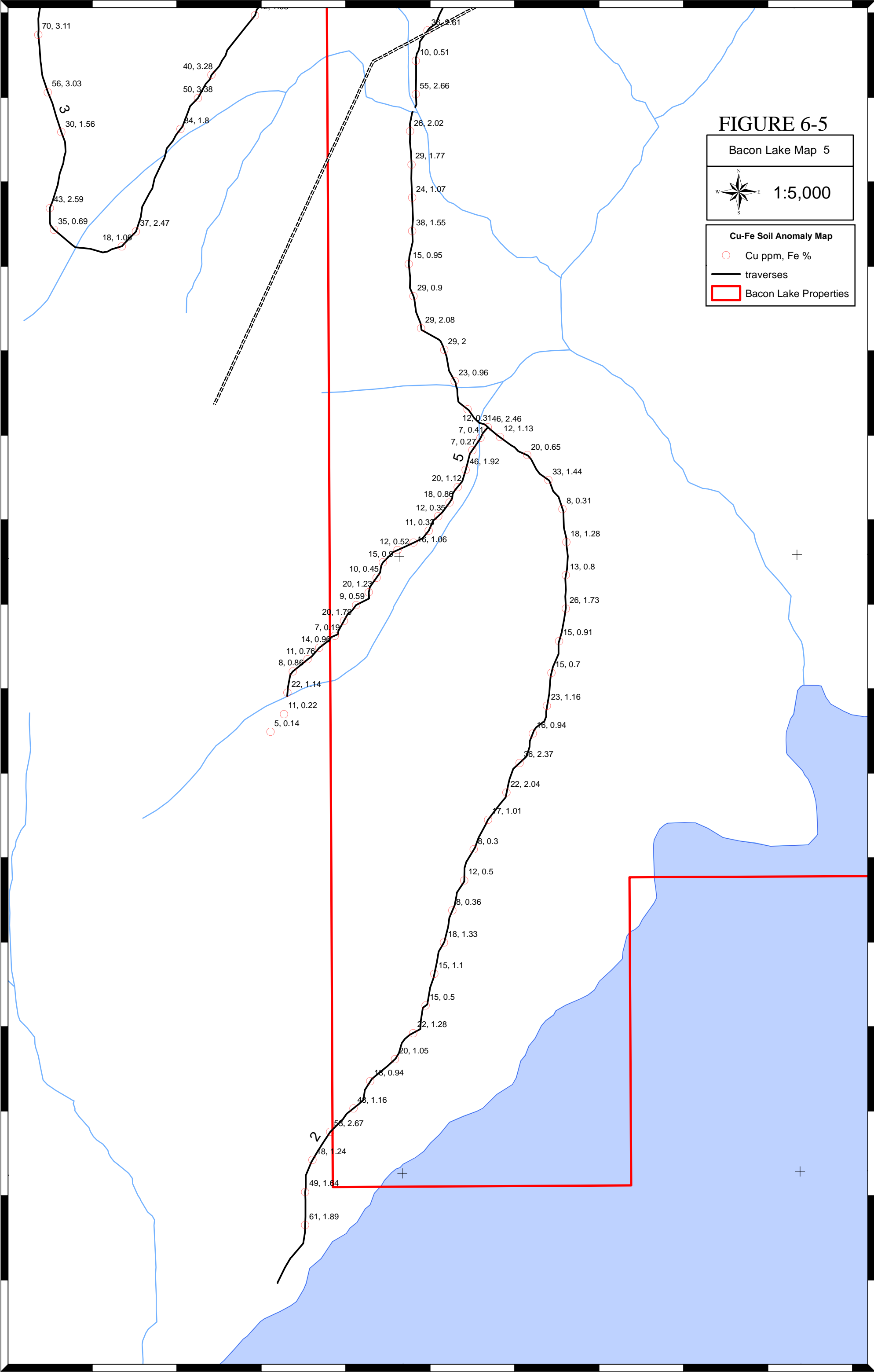
Bacon Lake Map 5



1:5,000

Cu-Fe Soil Anomaly Map

- Cu ppm, Fe %
- traverses
- Bacon Lake Properties



APPENDIX I STATEMENT OF QUALIFICATIONS

I, Delbert Wells Ferguson, of Comox, Province of British Columbia, do hereby state that:

I am a practicing Geoscientist.

I have practiced my profession for over 33years throughout Canada and mostly in British Columbia.

I am a Fellow Member of the Geological Association of Canada (GAC).

I am a Professional Geoscientist, registered with the Association of Engineers and Geoscientists of British Columbia.

I received an Honours B.Sc. Degree in Geology from the University of Western Ontario, London, Ontario, Canada in 1979.

This report was prepared by myself, based on researched historical data and field visitations to the Bacon Lake Property and statistical analysis of 2011 soil geochemical results.

Delbert Wells Ferguson, P.Geo., FGAC

Dated: February 17, 2012

APPENDIX II: STATEMENT OF COSTS

BACON LAKE SOIL SAMPLING PROJECT - 2011

<u>Field Sampling</u>	Personnel	Rate	Days	Total	
	2	300	7.5	4,500.00	
Sample drying, packaging, shippin	1	400	2	800.00	
<u>Expenses</u> Bags, Ribbon, Tags, Mileage Charge, Shipping Charge				939.16	
<u>Analysis</u> Acme Labs	Soil Samples	Cost/sample			
	301	11.58		3,485.58	
<u>Reporting & Mapping</u>	Geologist	Days	Assistant	Days	
	500	4	400	1	2,400.00
Total					12,124.74

APPENDIX III Reference Material

Bacon Lake Property

- Sumpter Workings (1916): Minfile #092F 124
- Rock/Bacon Showing (1961 drilling): Minfile #092F 038
- GSC Mapping of Limestone Trace – Upper Campbell Lake (1968): Minfile #092F 097
- Exploration works (prospecting, geology, magnetometer, sampling) on east side of Bacon Lake: ARIS Reports #16321, 17395, 18946 and 21193
- Summary Report on Minland Project comprising Bacon Lake Claims and Cobalt Star Claim, 92F/13E, CC Rennie, P.Eng., December 2, 1997.
- Geological Evaluation of Bacon Lake (Twin Lake Resources/Western Gateway Minerals – Internal Report), Finley Bakker, P.Geo., May 6, 2008.

North of Bacon Lake Property

- Big G (Greenstone Property – 1916-17): Minfile #092F 237; ARIS Reports 00699, 02507
- Greenstone Creek 1969 – geochemical and airborne geophysics: Minfile #092F 098
- Julia Claim/Steller Showing 1980s: prospecting, sampling, magnetometer: ARIS Reports #17405, 18947

Regional Showings, Prospects, Mines

- Iron Hill/Argonaut Mine: Minfile # 092F 075
- Bold: Minfile #092F 234; ARIS Reports 13003, 13722
- Jentin: Minfile #092F 194; ARIS Reports 10866, 12637
- Sihun Creek: Minfile 092F 198; ARIS Report 18870
- Iron River: Minfile 092F 076; ARIS Reports 05300, 13574, 24089, 24440
- East Gorge/Upper Oyster: Minfile # 092F 197; ARIS Reports 11199, 11461, 13602
- Camp Lake Property – Technical Report – 2004 Field Exploration & 2005 Airborne Geophysical, for Bluerock Resources, Gilson and Houle, August 18, 2005 Revision; Minfile #092F 571; ARIS Reports 27717A, 27717B

**APPENDIX IV
ACME LABS CERTIFICATES OF ANALYSIS**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Western Gateway Minerals**

Suite 47 - 1160 Shellbourne Blvd.
Campbell River BC V9W 5G5 Canada

Submitted By: Joseph L Paquet
Receiving Lab: Canada-Vancouver
Received: September 02, 2011
Report Date: October 25, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS

VAN11004442.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 245

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Western Gateway Minerals
Suite 47 - 1160 Shellbourne Blvd.
Campbell River BC V9W 5G5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	245	Dry at 60C			VAN
SS80	245	Dry at 60C sieve 100g to -80 mesh			VAN
1D01	245	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	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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 Suite 47 - 1160 Shellbourne Blvd.
 Campbell River BC V9W 5G5 Canada

Project: None Given
 Report Date: October 25, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
1 OF 1	Soil			1	37	6	57	<0.3	12	7	622	1.97	<2	<2	<2	35	<0.5	<3	4	78	0.93	0.084	2
2 OF 1	Soil			<1	45	<3	56	<0.3	17	11	544	2.37	<2	<2	<2	48	<0.5	<3	6	96	1.58	0.062	4
3 OF 1	Soil			<1	22	10	68	<0.3	7	4	754	0.79	<2	<2	<2	68	<0.5	<3	5	30	1.57	0.093	<1
4 OF 1	Soil			<1	65	<3	55	0.4	23	13	578	3.32	<2	<2	<2	32	<0.5	<3	5	141	1.03	0.041	4
5 OF 1	Soil			<1	38	6	63	<0.3	16	11	790	2.18	<2	<2	<2	52	<0.5	<3	4	92	1.34	0.053	3
6 OF 1	Soil			<1	30	<3	56	<0.3	10	5	228	1.17	<2	<2	<2	37	<0.5	<3	4	48	0.87	0.065	1
7 OF 1	Soil			<1	45	<3	57	<0.3	17	10	955	2.26	<2	<2	<2	50	<0.5	<3	3	98	1.56	0.065	3
8 OF 1	Soil			<1	46	6	54	<0.3	17	11	1641	2.58	<2	<2	<2	44	<0.5	<3	<3	103	1.36	0.066	2
9 OF 1	Soil			<1	57	4	57	<0.3	22	15	1313	3.89	<2	<2	<2	36	<0.5	<3	5	146	1.21	0.066	3
10 OF 1	Soil			<1	36	<3	73	<0.3	15	9	2113	1.95	<2	<2	<2	63	<0.5	<3	<3	78	1.63	0.088	2
11 OF 1	Soil			<1	50	8	59	<0.3	22	14	1364	3.11	<2	<2	<2	52	<0.5	<3	<3	128	1.46	0.058	3
12 OF 1	Soil			<1	26	7	68	<0.3	13	8	6051	1.80	<2	<2	<2	31	0.6	<3	4	75	1.30	0.080	2
13 OF 1	Soil			<1	49	<3	65	<0.3	21	13	2456	2.96	<2	<2	<2	37	0.6	<3	3	127	1.49	0.058	3
14 OF 1	Soil			<1	42	<3	75	<0.3	14	8	1581	1.88	<2	<2	<2	52	<0.5	<3	4	84	1.52	0.054	2
15 OF 1	Soil			<1	62	<3	47	0.3	19	12	502	2.92	<2	<2	<2	35	<0.5	<3	4	128	1.27	0.057	3
16 OF 1	Soil			1	45	40	41	0.4	18	10	289	2.56	<2	<2	<2	32	<0.5	<3	<3	116	1.30	0.046	2
17 OF 1	Soil			<1	53	3	52	<0.3	23	14	997	3.19	<2	<2	<2	47	<0.5	<3	4	148	1.65	0.047	2
18 OF 1	Soil			1	56	<3	63	0.6	24	15	695	3.47	<2	<2	<2	39	<0.5	<3	<3	152	1.57	0.043	3
19 OF 1	Soil			<1	60	<3	54	<0.3	23	14	856	3.09	<2	<2	<2	37	<0.5	<3	<3	139	1.45	0.071	3
20 OF 1	Soil			1	74	7	57	<0.3	29	18	1396	3.97	<2	<2	<2	36	<0.5	<3	5	168	1.52	0.075	4
21 OF 1	Soil			1	51	6	68	<0.3	23	15	2363	3.30	<2	<2	<2	42	<0.5	<3	<3	135	1.46	0.103	3
22 OF 1	Soil			<1	66	10	175	<0.3	26	15	6323	3.54	<2	<2	<2	42	0.6	<3	<3	144	1.70	0.133	3
23 OF 1	Soil			1	67	7	67	<0.3	27	16	919	3.69	<2	<2	<2	34	0.5	<3	3	153	1.47	0.050	3
24 OF 1	Soil			1	60	<3	53	<0.3	25	14	545	3.56	<2	<2	<2	33	<0.5	<3	<3	155	1.54	0.039	3
25 OF 1	Soil			<1	29	13	36	<0.3	9	4	357	1.14	<2	<2	<2	27	<0.5	<3	5	45	0.75	0.043	2
26 OF 1	Soil			<1	40	9	63	<0.3	18	11	1490	2.55	<2	<2	<2	50	<0.5	<3	<3	106	1.70	0.058	2
27 OF 1	Soil			<1	80	<3	57	0.5	28	18	727	3.73	<2	<2	<2	32	<0.5	<3	<3	161	1.38	0.045	4
28 OF 1	Soil			<1	46	8	74	<0.3	24	14	2386	3.32	<2	<2	<2	32	<0.5	<3	<3	144	1.45	0.057	3
29 OF 1	Soil			<1	54	5	63	0.4	25	17	1460	3.70	<2	<2	<2	35	<0.5	<3	<3	165	1.64	0.058	3
30 OF 1	Soil			2	56	<3	64	<0.3	26	14	1117	3.61	<2	<2	<2	31	<0.5	<3	<3	158	1.50	0.060	4

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Acme Analytical Laboratories (Vancouver) Ltd.
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 Suite 47 - 1160 Shellbourne Blvd.
 Campbell River BC V9W 5G5 Canada

Project: None Given
 Report Date: October 25, 2011

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
				1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
1 OF 1	Soil			18	0.30	46	0.147	<20	1.50	0.01	0.05	<2	0.08	<5	7
2 OF 1	Soil			19	0.54	44	0.217	<20	1.61	0.03	0.04	<2	0.05	5	9
3 OF 1	Soil			7	0.19	66	0.059	<20	0.53	0.01	0.09	<2	0.11	<5	<5
4 OF 1	Soil			30	0.63	33	0.337	<20	2.26	0.02	0.03	<2	<0.05	7	11
5 OF 1	Soil			18	0.49	77	0.201	<20	1.28	0.02	0.05	<2	0.08	<5	11
6 OF 1	Soil			11	0.25	29	0.107	<20	0.69	0.02	0.04	<2	0.13	<5	7
7 OF 1	Soil			22	0.53	42	0.215	<20	1.51	0.02	0.06	<2	0.07	<5	16
8 OF 1	Soil			22	0.49	39	0.246	<20	1.57	0.02	0.04	<2	0.05	<5	16
9 OF 1	Soil			31	0.60	42	0.318	<20	2.13	0.02	0.04	<2	<0.05	7	26
10 OF 1	Soil			17	0.46	104	0.156	<20	1.23	0.02	0.08	<2	0.08	<5	11
11 OF 1	Soil			27	0.71	43	0.284	<20	1.94	0.03	0.04	<2	<0.05	6	18
12 OF 1	Soil			15	0.37	31	0.162	<20	1.03	0.02	0.06	<2	0.08	<5	8
13 OF 1	Soil			22	0.64	35	0.293	<20	1.77	0.02	0.04	<2	<0.05	6	13
14 OF 1	Soil			15	0.41	41	0.201	<20	1.15	0.02	0.04	<2	0.08	<5	9
15 OF 1	Soil			26	0.52	25	0.310	<20	1.96	0.02	0.03	<2	0.07	6	14
16 OF 1	Soil			19	0.55	16	0.280	<20	1.41	0.03	0.03	<2	0.06	<5	12
17 OF 1	Soil			24	0.65	41	0.351	<20	1.93	0.02	0.04	<2	<0.05	6	16
18 OF 1	Soil			25	0.76	35	0.362	<20	1.95	0.03	0.03	<2	<0.05	7	13
19 OF 1	Soil			25	0.64	33	0.327	<20	1.96	0.02	0.04	<2	0.05	6	11
20 OF 1	Soil			29	0.88	43	0.373	<20	2.48	0.03	0.03	<2	<0.05	8	13
21 OF 1	Soil			25	0.72	59	0.293	<20	2.00	0.03	0.06	<2	<0.05	6	11
22 OF 1	Soil			28	0.73	61	0.294	<20	2.19	0.02	0.04	<2	<0.05	6	13
23 OF 1	Soil			28	0.84	42	0.336	<20	2.31	0.03	0.03	<2	<0.05	7	14
24 OF 1	Soil			27	0.76	24	0.332	<20	1.96	0.03	0.03	<2	<0.05	6	13
25 OF 1	Soil			10	0.17	48	0.096	<20	0.64	<0.01	0.03	<2	0.06	<5	<5
26 OF 1	Soil			19	0.57	69	0.231	<20	1.61	0.03	0.04	<2	<0.05	<5	9
27 OF 1	Soil			33	0.86	30	0.359	<20	2.66	0.02	0.03	<2	<0.05	8	21
28 OF 1	Soil			27	0.68	64	0.326	<20	2.12	0.03	0.02	<2	<0.05	6	21
29 OF 1	Soil			32	0.63	52	0.357	<20	2.28	0.02	0.03	<2	<0.05	6	23
30 OF 1	Soil			33	0.59	30	0.336	<20	2.43	0.01	0.03	<2	0.06	6	19

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 Campbell River BC V9W 5G5 Canada

Project: None Given
 Report Date: October 25, 2011

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
31 OF 1	Soil			1	46	5	49	<0.3	22	12	647	3.70	<2	<2	<2	28	<0.5	<3	<3	173	1.48	0.044	3
32 OF 1	Soil			1	45	5	57	<0.3	22	12	2002	3.48	<2	<2	<2	29	<0.5	<3	<3	149	1.52	0.046	3
B-33 OF 1	Soil			1	29	<3	36	<0.3	10	5	214	1.32	<2	<2	<2	34	<0.5	<3	<3	58	1.33	0.067	1
B-34 OF 1	Soil			<1	56	3	45	<0.3	20	12	450	2.58	<2	<2	<2	31	<0.5	<3	<3	115	1.47	0.047	2
B-35-1	Soil			1	47	<3	54	<0.3	21	12	621	2.78	<2	<2	<2	37	<0.5	<3	<3	128	2.04	0.044	3
B-36-1	Soil			<1	57	7	46	0.3	21	13	811	3.52	<2	<2	<2	38	<0.5	<3	<3	156	1.54	0.046	3
B-37-1	Soil			<1	54	8	43	<0.3	24	15	512	3.47	<2	<2	<2	34	<0.5	<3	<3	157	1.76	0.033	3
B-38-1	Soil			<1	48	11	63	<0.3	23	14	1175	3.17	<2	<2	<2	46	<0.5	<3	<3	147	2.05	0.032	3
B-39-1	Soil			<1	67	10	51	<0.3	27	16	565	4.51	<2	<2	<2	29	<0.5	<3	<3	210	1.70	0.046	3
B-40-1	Soil			1	63	10	60	<0.3	27	15	598	3.55	<2	<2	<2	39	<0.5	<3	<3	166	1.96	0.028	3
B-41-1	Soil			<1	66	18	66	<0.3	28	16	1287	3.62	<2	<2	<2	45	<0.5	<3	<3	165	2.06	0.035	3
B-42-1	Soil			<1	43	18	47	<0.3	21	12	1899	2.95	<2	<2	<2	48	<0.5	<3	<3	138	2.20	0.038	2
B-43-1	Soil			<1	22	<3	63	<0.3	9	5	1943	1.08	<2	<2	<2	25	<0.5	<3	<3	48	1.42	0.072	1
B-44-1	Soil			<1	35	7	53	<0.3	14	8	2746	2.04	<2	<2	<2	72	<0.5	<3	<3	96	2.21	0.071	2
B-45-1	Soil			<1	17	<3	60	<0.3	6	2	646	0.43	<2	<2	<2	61	<0.5	<3	<3	20	1.82	0.083	<1
B-46-1	Soil			<1	26	4	66	<0.3	12	6	1758	1.44	<2	<2	<2	48	<0.5	<3	<3	66	1.82	0.089	1
B-47-1	Soil			<1	29	7	50	<0.3	12	9	1253	1.67	<2	<2	<2	43	<0.5	<3	<3	78	1.78	0.066	1
B-48-1	Soil			<1	59	<3	46	<0.3	20	11	683	2.62	<2	<2	<2	37	<0.5	<3	<3	125	1.67	0.058	2
B-49-1	Soil			<1	63	12	48	<0.3	25	15	983	3.38	<2	<2	<2	60	<0.5	<3	<3	159	1.83	0.037	3
B-50-1	Soil			<1	30	<3	40	<0.3	12	6	1191	1.39	<2	<2	<2	54	<0.5	<3	<3	63	1.61	0.070	3
B-51-1	Soil			<1	27	4	34	<0.3	10	5	500	1.40	<2	<2	<2	39	<0.5	<3	<3	61	1.12	0.044	1
B-52-1	Soil			<1	69	<3	49	<0.3	20	11	559	2.50	<2	<2	<2	51	<0.5	<3	<3	116	1.79	0.061	3
B-53-1	Soil			<1	33	<3	39	<0.3	11	5	1137	1.43	<2	<2	<2	42	<0.5	<3	<3	62	1.42	0.069	1
B-54-1	Soil			<1	48	11	47	<0.3	19	11	1673	2.61	<2	<2	<2	45	<0.5	<3	<3	118	1.50	0.045	2
B-55-1	Soil			<1	25	<3	24	<0.3	11	6	914	1.43	<2	<2	<2	27	<0.5	<3	<3	65	1.17	0.044	1
B-56-1	Soil			<1	35	8	62	<0.3	18	9	7922	2.03	<2	<2	<2	40	<0.5	<3	<3	88	1.76	0.066	2
B-57-1	Soil			<1	51	6	55	<0.3	21	11	2717	2.46	<2	<2	<2	67	<0.5	<3	<3	110	1.75	0.064	2
B-58-1	Soil			<1	32	5	40	<0.3	14	7	1998	1.57	<2	<2	<2	49	<0.5	<3	<3	66	1.37	0.054	2
B-59-1	Soil			<1	35	9	48	<0.3	17	10	4427	2.13	<2	<2	<2	33	<0.5	<3	<3	88	1.44	0.057	2
B-60-1	Soil			<1	26	4	42	<0.3	13	7	848	1.26	<2	<2	<2	39	<0.5	<3	<3	52	1.67	0.073	1

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Project: None Given
Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
				1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
31 OF 1	Soil			33	0.50	21	0.394	<20	2.13	0.01	0.03	<2	<0.05	6	20
32 OF 1	Soil			30	0.62	27	0.319	<20	2.00	0.02	0.03	<2	<0.05	5	15
B-33 OF 1	Soil			11	0.30	14	0.129	<20	0.76	0.02	0.05	<2	0.12	<5	5
B-34 OF 1	Soil			23	0.54	18	0.251	<20	1.61	0.02	0.03	<2	0.09	5	14
B-35-1	Soil			23	0.59	18	0.279	<20	1.82	0.02	0.03	<2	0.07	5	17
B-36-1	Soil			30	0.55	35	0.333	<20	2.23	0.02	0.03	<2	<0.05	6	17
B-37-1	Soil			26	0.70	17	0.374	<20	2.11	0.02	0.02	<2	<0.05	7	7
B-38-1	Soil			24	0.68	38	0.365	<20	2.01	0.02	0.02	<2	<0.05	6	7
B-39-1	Soil			43	0.64	20	0.513	<20	2.84	<0.01	0.02	<2	<0.05	8	11
B-40-1	Soil			28	0.76	23	0.411	<20	2.31	0.03	0.02	<2	<0.05	7	8
B-41-1	Soil			28	0.78	34	0.418	<20	2.41	0.03	0.02	<2	<0.05	7	7
B-42-1	Soil			22	0.57	37	0.347	<20	1.83	0.02	0.03	<2	<0.05	5	7
B-43-1	Soil			9	0.20	32	0.109	<20	0.71	<0.01	0.05	<2	0.10	<5	<5
B-44-1	Soil			16	0.39	50	0.239	<20	1.39	0.01	0.06	<2	0.08	<5	<5
B-45-1	Soil			4	0.21	35	0.047	<20	0.30	<0.01	0.07	<2	0.11	<5	<5
B-46-1	Soil			12	0.34	59	0.152	<20	0.96	0.01	0.06	<2	0.10	<5	<5
B-47-1	Soil			13	0.36	26	0.196	<20	1.00	0.01	0.06	<2	0.09	<5	<5
B-48-1	Soil			20	0.54	19	0.309	<20	1.67	0.01	0.03	<2	0.08	6	<5
B-49-1	Soil			27	0.71	39	0.388	<20	2.21	0.02	0.04	<2	<0.05	7	6
B-50-1	Soil			11	0.36	47	0.150	<20	0.90	0.01	0.05	<2	0.10	<5	<5
B-51-1	Soil			12	0.27	28	0.152	<20	0.79	0.01	0.04	<2	0.06	<5	<5
B-52-1	Soil			23	0.59	25	0.277	<20	1.54	0.01	0.03	<2	0.10	5	<5
B-53-1	Soil			13	0.31	38	0.169	<20	0.80	0.01	0.07	<2	0.10	<5	<5
B-54-1	Soil			22	0.53	36	0.316	<20	1.47	0.02	0.04	<2	<0.05	<5	<5
B-55-1	Soil			13	0.29	16	0.174	<20	0.83	0.01	0.04	<2	<0.05	<5	<5
B-56-1	Soil			18	0.45	38	0.217	<20	1.28	0.02	0.05	<2	0.06	<5	<5
B-57-1	Soil			22	0.56	49	0.259	<20	1.58	0.01	0.05	<2	0.06	5	<5
B-58-1	Soil			14	0.37	42	0.167	<20	0.99	0.01	0.05	<2	0.06	<5	<5
B-59-1	Soil			18	0.47	29	0.220	<20	1.33	0.02	0.05	<2	0.06	<5	<5
B-60-1	Soil			10	0.34	24	0.131	<20	0.76	<0.01	0.06	<2	0.12	<5	<5

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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
B-01-2	Soil			<1	12	<3	100	<0.3	3	2	588	0.21	<2	<2	<2	40	<0.5	<3	<3	9	1.92	0.064	<1
B-02-2	Soil			<1	40	7	47	<0.3	17	9	1092	3.97	<2	<2	<2	27	<0.5	<3	<3	186	1.13	0.080	2
B-03-2	Soil			<1	24	31	78	<0.3	11	6	4627	1.69	<2	<2	<2	35	<0.5	<3	<3	71	1.14	0.097	2
B-04-2	Soil			<1	20	12	88	<0.3	10	5	5802	1.55	<2	<2	<2	31	<0.5	<3	<3	58	1.35	0.085	2
B-05-2	Soil			<1	13	11	33	<0.3	5	2	841	0.61	<2	<2	<2	22	<0.5	<3	<3	25	0.98	0.051	<1
B-06-2	Soil			<1	21	7	49	<0.3	12	5	1060	1.44	<2	<2	<2	39	<0.5	<3	<3	68	1.84	0.071	2
B-07-2	Soil			<1	30	<3	51	<0.3	10	5	610	2.33	<2	<2	<2	23	<0.5	<3	<3	114	0.89	0.060	2
B-08-2	Soil			<1	35	4	54	<0.3	11	6	421	1.88	<2	<2	<2	53	<0.5	<3	<3	97	1.32	0.070	5
B-09-2	Soil			<1	103	8	51	<0.3	29	16	541	3.85	<2	<2	<2	37	<0.5	<3	<3	173	1.67	0.051	4
B-10-2	Soil			<1	36	8	72	<0.3	13	9	2238	2.61	<2	<2	<2	43	<0.5	<3	<3	112	1.28	0.072	2
B-11-2	Soil			<1	10	6	18	<0.3	4	2	521	0.51	<2	<2	<2	21	<0.5	<3	<3	22	0.73	0.055	<1
B-12-2	Soil			<1	55	7	43	<0.3	18	12	1612	2.66	<2	<2	<2	38	<0.5	<3	<3	128	1.61	0.055	3
B-13-2	Soil			<1	26	10	26	<0.3	9	5	194	2.02	<2	<2	<2	23	<0.5	<3	<3	72	0.68	0.071	1
B-14-2	Soil			<1	29	8	60	<0.3	11	10	3853	1.77	<2	<2	<2	45	<0.5	<3	<3	66	1.28	0.087	2
B-15-2	Soil			<1	24	8	20	<0.3	6	3	131	1.07	<2	<2	<2	24	<0.5	<3	<3	40	0.83	0.069	<1
B-16-2	Soil			<1	38	9	53	<0.3	10	7	1634	1.55	<2	<2	<2	39	<0.5	<3	<3	55	1.31	0.096	1
B-17-2	Soil			<1	15	8	27	<0.3	5	3	152	0.95	<2	<2	<2	20	<0.5	<3	<3	35	0.79	0.065	1
B-18-2	Soil			<1	29	5	26	<0.3	8	3	963	0.90	<2	<2	<2	45	<0.5	<3	<3	43	2.30	0.070	5
B-19-2	Soil			<1	29	15	35	<0.3	10	7	462	2.08	<2	<2	<2	36	<0.5	<3	<3	74	1.45	0.084	1
B-20-2	Soil			<1	29	13	35	<0.3	11	7	1564	2.00	<2	<2	<2	61	<0.5	<3	<3	69	1.84	0.062	5
B-21-2	Soil			<1	23	4	56	<0.3	5	4	492	0.96	<2	<2	<2	44	<0.5	<3	<3	33	0.98	0.073	<1
B-22-2	Soil			<1	12	6	49	<0.3	3	2	1313	0.31	<2	<2	<2	45	<0.5	<3	<3	11	1.50	0.052	<1
B-23-2	Soil			<1	12	13	21	<0.3	5	5	1518	1.13	<2	<2	<2	22	<0.5	<3	<3	40	0.79	0.061	<1
B-24-2	Soil			<1	20	4	42	<0.3	7	4	1809	0.65	<2	<2	<2	40	<0.5	<3	<3	24	1.20	0.095	<1
B-25-2	Soil			<1	33	3	74	<0.3	10	7	7525	1.44	<2	<2	<2	73	<0.5	<3	<3	50	1.77	0.092	2
B-26-2	Soil			<1	8	4	23	<0.3	3	1	937	0.31	<2	<2	<2	18	<0.5	<3	<3	10	0.56	0.069	<1
B-27-2	Soil			<1	18	15	51	<0.3	8	7	5927	1.28	<2	<2	<2	46	<0.5	<3	<3	39	1.17	0.076	1
B-28-2	Soil			<1	13	11	21	<0.3	5	4	1560	0.80	<2	<2	<2	30	<0.5	<3	<3	26	0.71	0.040	<1
B-29-2	Soil			<1	26	14	43	<0.3	10	9	3360	1.73	<2	<2	<2	52	<0.5	<3	<3	54	1.40	0.054	1
B-30-2	Soil			<1	15	10	66	<0.3	9	6	6849	0.91	<2	<2	<2	127	<0.5	<3	<3	28	1.62	0.080	1

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Project: None Given
Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
				1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
B-01-2	Soil			2	0.16	11	0.017	<20	0.14	<0.01	0.06	<2	0.14	<5	<5
B-02-2	Soil			39	0.33	27	0.356	<20	2.13	<0.01	0.03	<2	0.05	<5	7
B-03-2	Soil			15	0.23	44	0.147	<20	0.88	<0.01	0.06	<2	0.10	<5	<5
B-04-2	Soil			15	0.14	72	0.110	<20	0.79	<0.01	0.04	<2	0.09	<5	<5
B-05-2	Soil			5	0.09	38	0.047	<20	0.34	<0.01	0.05	<2	0.07	<5	<5
B-06-2	Soil			17	0.19	30	0.145	<20	0.79	<0.01	0.04	<2	0.13	<5	<5
B-07-2	Soil			26	0.15	22	0.222	<20	0.99	<0.01	0.02	<2	0.10	<5	<5
B-08-2	Soil			27	0.29	28	0.203	<20	1.12	<0.01	0.05	<2	0.13	<5	<5
B-09-2	Soil			40	0.58	33	0.420	<20	2.76	<0.01	0.04	<2	0.06	8	7
B-10-2	Soil			21	0.28	86	0.275	<20	1.41	<0.01	0.03	<2	0.08	<5	<5
B-11-2	Soil			5	0.07	20	0.044	<20	0.23	<0.01	0.03	<2	0.10	<5	<5
B-12-2	Soil			18	0.51	23	0.332	<20	1.54	<0.01	0.04	<2	0.08	7	<5
B-13-2	Soil			13	0.16	14	0.216	<20	1.08	<0.01	0.02	<2	0.08	<5	<5
B-14-2	Soil			10	0.30	47	0.184	<20	0.97	0.01	0.06	<2	0.09	<5	<5
B-15-2	Soil			8	0.17	7	0.115	<20	0.56	<0.01	0.03	<2	0.16	<5	<5
B-16-2	Soil			9	0.29	33	0.147	<20	0.89	<0.01	0.06	<2	0.09	<5	<5
B-17-2	Soil			6	0.11	6	0.093	<20	0.47	<0.01	0.03	<2	0.11	<5	<5
B-18-2	Soil			6	0.22	11	0.089	<20	0.53	<0.01	0.03	<2	0.15	<5	<5
B-19-2	Soil			11	0.31	16	0.223	<20	1.09	<0.01	0.03	<2	0.10	<5	<5
B-20-2	Soil			12	0.34	49	0.218	<20	1.12	<0.01	0.02	<2	0.10	<5	<5
B-21-2	Soil			6	0.19	56	0.096	<20	0.56	<0.01	0.09	<2	0.07	<5	<5
B-22-2	Soil			2	0.15	23	0.030	<20	0.19	<0.01	0.04	<2	0.14	<5	<5
B-23-2	Soil			6	0.11	32	0.106	<20	0.47	<0.01	0.03	<2	0.09	<5	<5
B-24-2	Soil			4	0.19	33	0.066	<20	0.38	<0.01	0.08	<2	0.12	<5	<5
B-25-2	Soil			8	0.32	139	0.122	<20	0.94	<0.01	0.08	<2	0.08	<5	<5
B-26-2	Soil			2	0.06	36	0.027	<20	0.18	<0.01	0.07	<2	0.08	<5	<5
B-27-2	Soil			8	0.27	85	0.097	<20	0.73	0.01	0.06	<2	0.09	<5	<5
B-28-2	Soil			5	0.13	50	0.065	<20	0.45	<0.01	0.04	<2	<0.05	<5	<5
B-29-2	Soil			10	0.42	75	0.169	<20	1.06	0.01	0.05	<2	0.07	<5	<5
B-30-2	Soil			11	0.30	157	0.081	<20	0.65	<0.01	0.07	<2	0.10	<5	<5

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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
B-31-2	Soil			<1	15	5	112	<0.3	9	4	>10000	0.70	<2	<2	<2	95	<0.5	<3	<3	24	1.79	0.097	1
B-32-2	Soil			<1	23	7	91	<0.3	11	7	8851	1.16	<2	<2	<2	124	<0.5	<3	<3	39	2.08	0.086	2
B-33-2	Soil			<1	16	29	35	<0.3	6	5	3905	0.94	<2	<2	<2	56	<0.5	<3	<3	29	2.09	0.064	1
B-34-2	Soil			<1	36	21	56	<0.3	13	11	4261	2.37	<2	<2	<2	59	<0.5	<3	<3	78	1.86	0.050	2
B-35-2	Soil			<1	22	12	52	<0.3	11	9	4344	2.04	<2	<2	<2	52	<0.5	<3	<3	61	1.55	0.058	2
B-36-2	Soil			<1	17	8	33	<0.3	6	5	3160	1.01	<2	<2	<2	48	<0.5	<3	<3	32	1.49	0.064	1
B-37-2	Soil			<1	8	3	18	<0.3	2	1	787	0.30	<2	<2	<2	57	<0.5	<3	<3	9	0.99	0.056	1
B-38-2	Soil			<1	12	7	77	<0.3	5	3	5401	0.50	<2	<2	<2	87	<0.5	<3	<3	16	2.44	0.079	<1
B-39-2	Soil			<1	8	6	29	<0.3	3	2	1153	0.36	<2	<2	<2	39	<0.5	<3	<3	12	1.58	0.043	<1
B-40-2	Soil			<1	18	15	51	<0.3	9	7	4095	1.33	<2	<2	<2	64	<0.5	<3	<3	45	1.73	0.072	1
B-41-2	Soil			<1	15	20	74	<0.3	7	6	4706	1.10	<2	<2	<2	71	<0.5	<3	<3	37	1.98	0.074	2
B-42-2	Soil			<1	15	5	18	<0.3	3	2	507	0.50	<2	<2	<2	33	<0.5	<3	<3	16	0.64	0.040	<1
B-43-2	Soil			<1	22	26	36	<0.3	8	6	944	1.28	<2	<2	<2	61	<0.5	<3	<3	39	1.45	0.069	1
B-44-2	Soil			<1	20	3	58	<0.3	7	5	3537	1.05	<2	<2	<2	81	<0.5	<3	<3	31	1.45	0.088	1
B-45-2	Soil			<1	18	4	71	<0.3	6	5	3548	0.94	<2	<2	<2	129	<0.5	<3	<3	27	2.36	0.075	1
B-46-2	Soil			<1	48	<3	28	<0.3	8	6	599	1.16	<2	<2	<2	57	<0.5	<3	<3	36	2.59	0.060	3
B-47-2	Soil			<1	53	7	34	<0.3	14	13	907	2.67	<2	<2	<2	55	<0.5	<3	<3	85	1.58	0.054	3
B-48-2	Soil			<1	18	4	29	<0.3	7	6	1498	1.24	<2	<2	<2	69	<0.5	<3	<3	39	1.67	0.073	1
B-49-2	Soil			<1	49	7	50	<0.3	11	9	1252	1.64	<2	<2	<2	67	<0.5	<3	<3	52	1.71	0.059	2
B-50-2	Soil			<1	61	6	57	<0.3	12	10	1490	1.89	<2	<2	<2	75	<0.5	<3	<3	59	2.00	0.069	2
B-01-3	Soil			<1	26	6	57	<0.3	13	9	1168	2.79	<2	<2	<2	23	<0.5	<3	<3	104	1.40	0.095	1
B-02-3	Soil			<1	51	14	60	<0.3	18	15	1095	3.26	<2	<2	<2	43	<0.5	<3	<3	120	1.52	0.051	3
B-03-3	Soil			<1	42	<3	81	<0.3	13	8	763	1.68	<2	<2	<2	39	<0.5	<3	<3	58	1.49	0.059	1
B-04-3	Soil			<1	40	8	59	<0.3	17	14	779	3.28	<2	<2	<2	29	<0.5	<3	<3	140	1.31	0.056	2
B-05-3	Soil			<1	50	10	50	<0.3	17	15	851	3.38	<2	<2	<2	83	<0.5	<3	<3	139	1.49	0.036	2
B-06-3	Soil			<1	34	7	41	<0.3	10	9	424	1.80	<2	<2	<2	55	<0.5	<3	<3	65	1.23	0.060	2
B-07-3	Soil			<1	37	40	33	<0.3	13	8	212	2.47	<2	3	<2	61	<0.5	<3	<3	94	1.07	0.056	2
B-08-3	Soil			<1	18	7	15	<0.3	6	4	107	1.06	<2	<2	<2	42	<0.5	<3	<3	39	1.13	0.063	1
B-09-3	Soil			<1	35	6	21	<0.3	8	3	329	0.69	<2	<2	<2	47	<0.5	<3	<3	42	1.95	0.062	6
B-10-3	Soil			<1	43	5	34	<0.3	15	10	381	2.59	<2	2	<2	32	<0.5	3	<3	94	1.24	0.061	2

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Project: None Given
Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
		ppm	%	ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	0.01	2	0.05	5	5	5
B-31-2	Soil	6	0.22	218	0.061	<20	0.52	<0.01	0.09	<2	0.10	<5	<5		
B-32-2	Soil	8	0.34	240	0.098	<20	0.84	0.01	0.08	<2	0.09	<5	<5		
B-33-2	Soil	6	0.22	56	0.081	<20	0.57	<0.01	0.05	<2	0.09	<5	<5		
B-34-2	Soil	13	0.44	128	0.229	<20	1.50	0.01	0.03	<2	<0.05	<5	<5		
B-35-2	Soil	11	0.32	85	0.176	<20	1.28	<0.01	0.03	<2	0.07	<5	<5		
B-36-2	Soil	5	0.18	58	0.079	<20	0.57	<0.01	0.05	<2	0.08	<5	<5		
B-37-2	Soil	2	0.11	44	0.025	<20	0.17	<0.01	0.05	<2	0.10	<5	<5		
B-38-2	Soil	3	0.17	125	0.040	<20	0.39	<0.01	0.10	<2	0.11	<5	<5		
B-39-2	Soil	2	0.13	27	0.028	<20	0.24	<0.01	0.02	<2	0.08	<5	<5		
B-40-2	Soil	9	0.29	120	0.107	<20	0.85	0.02	0.05	<2	0.10	<5	<5		
B-41-2	Soil	7	0.22	149	0.083	<20	0.69	0.01	0.06	<2	0.09	<5	<5		
B-42-2	Soil	3	0.08	60	0.036	<20	0.29	<0.01	0.03	<2	0.06	<5	<5		
B-43-2	Soil	7	0.26	36	0.098	<20	0.75	<0.01	0.05	<2	0.08	<5	<5		
B-44-2	Soil	6	0.23	80	0.068	<20	0.73	<0.01	0.06	<2	0.09	<5	<5		
B-45-2	Soil	5	0.30	80	0.064	<20	0.61	<0.01	0.06	<2	0.10	<5	<5		
B-46-2	Soil	11	0.31	28	0.085	<20	0.86	<0.01	0.05	<2	0.12	<5	<5		
B-47-2	Soil	16	0.43	31	0.265	<20	1.59	0.01	0.03	<2	0.06	<5	<5		
B-48-2	Soil	7	0.25	49	0.112	<20	0.70	<0.01	0.05	<2	0.08	<5	<5		
B-49-2	Soil	11	0.42	31	0.152	<20	1.09	0.01	0.05	<2	0.06	<5	<5		
B-50-2	Soil	13	0.50	36	0.156	<20	1.22	0.02	0.06	<2	0.08	<5	<5		
B-01-3	Soil	21	0.30	18	0.225	<20	1.81	<0.01	0.05	<2	0.07	<5	<5		
B-02-3	Soil	21	0.64	44	0.276	<20	1.94	0.02	0.03	<2	0.06	6	<5		
B-03-3	Soil	12	0.38	21	0.154	<20	1.28	0.01	0.04	<2	0.11	<5	<5		
B-04-3	Soil	22	0.44	18	0.266	<20	1.90	<0.01	0.02	<2	0.08	<5	<5		
B-05-3	Soil	18	0.75	51	0.301	<20	2.18	0.02	0.03	<2	<0.05	6	<5		
B-06-3	Soil	11	0.34	29	0.164	<20	1.08	0.01	0.03	<2	0.13	<5	<5		
B-07-3	Soil	17	0.38	32	0.240	<20	1.44	0.01	0.03	<2	0.08	<5	<5		
B-08-3	Soil	8	0.20	16	0.091	<20	0.58	0.01	0.03	<2	0.16	<5	<5		
B-09-3	Soil	6	0.31	11	0.058	<20	0.49	0.01	0.02	<2	0.16	<5	<5		
B-10-3	Soil	18	0.44	18	0.265	<20	1.52	<0.01	0.03	<2	0.10	<5	<5		

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Project: None Given
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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
B-11-3	Soil			<1	30	4	19	<0.3	9	6	338	1.56	<2	<2	<2	41	<0.5	<3	<3	57	1.73	0.052	1
B-12-3	Soil			<1	56	6	36	<0.3	17	12	558	3.03	<2	2	<2	46	<0.5	<3	4	114	1.55	0.058	2
B-13-3	Soil			<1	70	12	38	<0.3	18	13	1092	3.11	<2	<2	<2	49	<0.5	<3	<3	115	1.77	0.045	3
B-14-3	Soil			<1	35	7	35	<0.3	15	8	344	2.28	<2	<2	<2	44	<0.5	<3	<3	81	1.28	0.050	3
B-15-3	Soil			<1	49	8	46	<0.3	17	11	653	3.38	<2	2	<2	34	<0.5	5	<3	122	1.14	0.047	2
B-01-4	Soil			<1	54	3	42	<0.3	16	11	630	2.96	2	3	<2	38	<0.5	<3	4	101	1.25	0.069	4
B-02-4	Soil			<1	46	4	41	<0.3	15	8	646	1.81	<2	<2	<2	32	<0.5	<3	<3	61	1.05	0.055	2
B-03-4	Soil			<1	15	7	35	<0.3	5	3	190	0.71	<2	<2	<2	41	<0.5	<3	<3	28	1.34	0.058	1
B-04-4	Soil			<1	25	6	35	<0.3	8	5	490	1.67	<2	<2	<2	39	<0.5	<3	<3	60	1.41	0.057	2
B-05-4	Soil			<1	42	13	28	<0.3	10	9	2078	2.11	<2	<2	<2	55	0.8	<3	<3	82	2.65	0.055	7
B-06-4	Soil			<1	3	5	24	<0.3	2	<1	1186	0.13	<2	<2	<2	20	<0.5	<3	<3	5	0.68	0.049	<1
B-07-4	Soil			<1	8	13	29	0.4	5	3	676	1.27	11	<2	<2	31	<0.5	<3	5	41	0.75	0.052	<1
B-08-4	Soil			<1	14	10	63	<0.3	8	5	1090	1.44	<2	<2	<2	40	<0.5	<3	<3	50	1.29	0.070	1
B-09-4	Soil			<1	17	8	48	<0.3	5	4	2878	1.20	<2	<2	<2	37	<0.5	<3	<3	43	1.59	0.051	1
B-10-4	Soil			<1	23	9	47	<0.3	12	8	1659	2.56	<2	<2	<2	29	<0.5	<3	<3	92	0.88	0.063	2
B-11-4	Soil			<1	12	14	55	<0.3	8	4	3014	1.71	<2	<2	<2	34	<0.5	<3	<3	63	1.17	0.071	1
B-12-4	Soil			2	27	15	241	<0.3	6	4	1878	1.40	2	<2	<2	47	2.2	<3	<3	33	1.67	0.082	1
B-13-4	Soil			<1	18	13	49	<0.3	6	4	1853	0.99	<2	<2	<2	38	0.6	<3	<3	32	1.24	0.071	1
B-14-4	Soil			1	17	20	218	<0.3	6	4	1322	1.95	2	<2	<2	40	1.0	<3	<3	47	1.19	0.066	1
B-15-4	Soil			2	11	16	110	<0.3	4	2	1505	0.70	3	<2	<2	41	0.8	<3	<3	24	1.26	0.080	<1
B-16-4	Soil			2	10	8	109	<0.3	4	3	813	1.02	2	<2	<2	68	1.2	<3	<3	39	1.46	0.068	<1
B-17-4	Soil			<1	9	18	44	<0.3	5	3	2208	1.27	<2	<2	<2	39	<0.5	<3	<3	49	1.18	0.064	1
B-18-4	Soil			<1	21	5	45	<0.3	11	7	1012	3.36	<2	<2	<2	32	<0.5	<3	<3	117	0.94	0.050	2
B-19-4	Soil			<1	23	7	37	<0.3	10	6	294	2.19	<2	<2	<2	27	<0.5	<3	<3	77	0.75	0.060	2
B-20-4	Soil			3	12	19	90	<0.3	2	<1	2215	0.15	<2	<2	<2	35	1.8	<3	<3	7	1.79	0.095	<1
B-21-4	Soil			<1	16	150	62	<0.3	4	2	1313	0.63	<2	<2	<2	28	0.8	<3	<3	27	1.28	0.042	<1
B-22-4	Soil			<1	5	8	30	<0.3	<1	<1	484	0.14	<2	<2	<2	20	<0.5	<3	<3	6	0.86	0.062	<1
B-01-5	Soil			<1	46	7	37	<0.3	14	9	1147	2.46	<2	<2	<2	23	<0.5	4	<3	94	1.05	0.069	2
B-02-5	Soil			<1	7	9	38	<0.3	2	1	3283	0.41	<2	<2	<2	45	<0.5	<3	<3	16	0.74	0.088	1
B-03-5	Soil			<1	7	9	23	<0.3	2	1	2737	0.27	<2	<2	<2	31	<0.5	<3	<3	11	1.10	0.078	<1

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Project: None Given
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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	
B-11-3	Soil	10	0.35	13	0.168	<20	0.84	<0.01	0.04	<2	0.10	<5	<5
B-12-3	Soil	21	0.55	23	0.328	<20	1.79	<0.01	0.03	<2	0.08	7	<5
B-13-3	Soil	18	0.66	29	0.350	<20	2.01	0.01	0.03	<2	<0.05	7	<5
B-14-3	Soil	18	0.48	30	0.241	<20	1.23	0.01	0.03	<2	0.09	<5	<5
B-15-3	Soil	20	0.63	22	0.351	<20	1.81	0.01	0.03	<2	<0.05	5	<5
B-01-4	Soil	21	0.54	45	0.239	<20	2.16	0.01	0.04	<2	<0.05	6	<5
B-02-4	Soil	15	0.44	49	0.170	<20	1.45	<0.01	0.04	<2	0.05	<5	<5
B-03-4	Soil	7	0.11	25	0.065	<20	0.49	<0.01	0.03	<2	0.11	<5	<5
B-04-4	Soil	14	0.17	25	0.138	<20	1.07	<0.01	0.02	<2	0.10	<5	<5
B-05-4	Soil	18	0.17	22	0.177	<20	1.49	<0.01	0.02	<2	0.09	<5	<5
B-06-4	Soil	<1	0.03	24	0.009	<20	0.10	<0.01	0.03	<2	0.06	<5	<5
B-07-4	Soil	8	0.09	43	0.111	<20	0.60	<0.01	0.03	<2	0.06	<5	<5
B-08-4	Soil	12	0.17	45	0.138	<20	0.86	<0.01	0.03	<2	0.09	<5	<5
B-09-4	Soil	10	0.10	40	0.096	<20	0.84	<0.01	0.02	<2	0.07	<5	<5
B-10-4	Soil	20	0.24	62	0.228	<20	1.74	<0.01	0.02	<2	<0.05	<5	<5
B-11-4	Soil	12	0.14	79	0.126	<20	0.79	<0.01	0.04	<2	0.08	<5	<5
B-12-4	Soil	8	0.14	40	0.076	<20	0.66	0.01	0.04	<2	0.11	<5	<5
B-13-4	Soil	7	0.12	42	0.071	<20	0.66	<0.01	0.04	<2	0.09	<5	<5
B-14-4	Soil	10	0.11	38	0.104	<20	0.69	<0.01	0.04	<2	0.09	<5	<5
B-15-4	Soil	6	0.10	42	0.046	<20	0.43	<0.01	0.06	<2	0.11	<5	<5
B-16-4	Soil	7	0.10	33	0.084	<20	0.48	<0.01	0.04	<2	0.12	<5	<5
B-17-4	Soil	10	0.11	84	0.108	<20	0.44	<0.01	0.03	<2	0.08	<5	<5
B-18-4	Soil	22	0.29	38	0.305	<20	1.82	<0.01	0.02	<2	<0.05	<5	<5
B-19-4	Soil	16	0.24	39	0.174	<20	1.34	<0.01	0.03	<2	0.06	<5	<5
B-20-4	Soil	2	0.11	25	0.010	<20	0.11	<0.01	0.06	<2	0.14	<5	<5
B-21-4	Soil	5	0.07	14	0.057	<20	0.35	<0.01	0.03	<2	0.07	<5	<5
B-22-4	Soil	1	0.04	16	0.013	<20	0.08	<0.01	0.05	<2	0.08	<5	<5
B-01-5	Soil	14	0.35	27	0.237	<20	1.39	<0.01	0.03	<2	0.07	5	<5
B-02-5	Soil	3	0.06	107	0.038	<20	0.18	<0.01	0.08	<2	0.10	<5	<5
B-03-5	Soil	2	0.06	24	0.024	<20	0.18	<0.01	0.07	<2	0.09	<5	<5



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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	
B-04-5	Soil			<1	46	<3	28	<0.3	10	6	468	1.92	<2	<2	<2	38	<0.5	<3	<3	73	1.32	0.058	2
B-05-5	Soil			<1	20	5	72	<0.3	7	5	7468	1.12	<2	<2	<2	93	<0.5	<3	<3	39	1.65	0.087	7
B-06-5	Soil			1	18	8	42	<0.3	7	4	5118	0.86	<2	<2	<2	41	<0.5	<3	<3	33	0.94	0.093	1
B-07-5	Soil			<1	12	9	45	<0.3	3	2	4472	0.35	<2	<2	<2	35	<0.5	<3	<3	13	0.96	0.087	1
B-08-5	Soil			<1	11	12	45	<0.3	3	2	5859	0.33	4	<2	<2	47	<0.5	<3	<3	12	1.15	0.094	1
B-09-5	Soil			<1	16	7	90	<0.3	7	7	6531	1.06	3	<2	<2	91	<0.5	<3	<3	39	1.87	0.109	2
B-10-5	Soil			<1	12	6	55	<0.3	4	2	3973	0.52	<2	<2	<2	49	<0.5	<3	<3	19	1.36	0.097	1
B-11-5	Soil			<1	15	6	28	<0.3	5	3	2179	0.90	<2	<2	<2	39	<0.5	<3	<3	34	1.16	0.054	<1
B-12-5	Soil			<1	10	5	30	<0.3	3	2	718	0.45	<2	<2	<2	30	<0.5	<3	<3	17	0.55	0.065	1
B-13-5	Soil			<1	20	21	59	<0.3	9	6	>10000	1.23	<2	<2	<2	30	<0.5	<3	<3	46	1.16	0.104	3
B-14-5	Soil			<1	9	10	24	<0.3	4	2	924	0.59	<2	<2	<2	23	<0.5	<3	<3	20	0.63	0.076	<1
B-15-5	Soil			<1	20	30	40	<0.3	9	7	5365	1.79	<2	<2	<2	29	<0.5	<3	<3	71	0.91	0.060	2
B-16-5	Soil			<1	7	4	22	<0.3	2	<1	745	0.19	<2	<2	<2	20	<0.5	<3	<3	7	0.45	0.075	<1
B-17-5	Soil			<1	14	22	65	<0.3	9	5	9921	0.96	<2	<2	<2	38	<0.5	<3	<3	33	1.37	0.090	1
B-18-5	Soil			<1	11	10	33	<0.3	4	3	2313	0.76	<2	<2	<2	29	<0.5	<3	<3	28	1.03	0.089	<1
B-19-5	Soil			<1	8	37	48	<0.3	5	3	7226	0.86	<2	<2	<2	34	<0.5	<3	<3	32	1.16	0.089	<1
B-20-5	Soil			<1	22	27	32	<0.3	6	3	3770	1.14	<2	<2	<2	23	<0.5	<3	<3	39	0.73	0.084	1
B-21-5	Soil			<1	11	7	27	<0.3	2	<1	1526	0.22	<2	<2	<2	28	<0.5	<3	<3	8	0.74	0.075	<1
B-22-5	Soil			<1	5	16	18	<0.3	1	<1	73	0.14	<2	<2	<2	18	<0.5	<3	<3	5	0.33	0.029	<1
B-01-6	Soil			<1	25	15	49	<0.3	9	6	1574	1.89	3	<2	<2	107	<0.5	<3	<3	69	1.79	0.068	2
B-02-6	Soil			<1	76	18	51	<0.3	18	14	1873	2.71	<2	<2	<2	122	<0.5	<3	<3	98	1.56	0.077	3
B-03-6	Soil			<1	21	36	44	<0.3	7	6	1080	1.44	6	<2	<2	122	<0.5	<3	<3	54	1.75	0.070	1
B-04-6	Soil			<1	14	27	29	<0.3	4	2	1221	0.59	<2	<2	<2	95	<0.5	<3	<3	22	2.19	0.069	<1
B-05-6	Soil			<1	12	31	48	<0.3	5	3	1707	0.88	<2	<2	<2	103	<0.5	<3	<3	31	1.33	0.081	<1
B-06-6	Soil			<1	11	34	39	<0.3	5	3	1423	0.93	<2	<2	<2	66	<0.5	<3	<3	32	1.29	0.065	<1
B-07-6	Soil			1	48	24	46	<0.3	14	8	435	2.19	<2	<2	<2	69	<0.5	<3	<3	81	1.93	0.052	2
B-08-6	Soil			<1	15	30	46	<0.3	6	4	1347	1.32	2	<2	<2	73	<0.5	<3	<3	46	1.13	0.081	1
B-09-6	Soil			<1	18	68	65	<0.3	8	5	2074	1.38	2	<2	<2	67	<0.5	<3	<3	45	1.20	0.083	1
B-10-6	Soil			<1	29	40	80	<0.3	11	8	3457	2.18	<2	<2	<2	72	0.5	<3	3	75	1.26	0.089	2
B-11-6	Soil			<1	20	35	52	<0.3	8	5	936	1.58	<2	<2	<2	52	<0.5	<3	5	57	1.01	0.047	2

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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
				1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
B-04-5	Soil			9	0.31	13	0.213	<20	1.01	<0.01	0.04	<2	0.08	<5	<5
B-05-5	Soil			7	0.22	197	0.106	<20	0.66	<0.01	0.07	<2	0.08	<5	<5
B-06-5	Soil			18	0.12	125	0.077	<20	0.43	<0.01	0.08	<2	0.10	<5	<5
B-07-5	Soil			3	0.10	75	0.028	<20	0.21	<0.01	0.10	<2	0.11	<5	<5
B-08-5	Soil			3	0.09	69	0.024	<20	0.24	<0.01	0.08	<2	0.12	<5	<5
B-09-5	Soil			6	0.21	132	0.083	<20	0.48	<0.01	0.09	<2	0.11	<5	<5
B-10-5	Soil			3	0.10	64	0.043	<20	0.28	<0.01	0.10	<2	0.10	<5	<5
B-11-5	Soil			6	0.15	40	0.084	<20	0.45	<0.01	0.05	<2	0.07	<5	<5
B-12-5	Soil			4	0.07	48	0.038	<20	0.24	<0.01	0.06	<2	0.07	<5	<5
B-13-5	Soil			9	0.22	91	0.108	<20	0.69	<0.01	0.09	<2	0.09	<5	<5
B-14-5	Soil			3	0.09	39	0.059	<20	0.27	<0.01	0.08	<2	0.07	<5	<5
B-15-5	Soil			8	0.11	127	0.203	<20	0.68	<0.01	0.04	2	0.06	<5	<5
B-16-5	Soil			<1	0.05	37	0.014	<20	0.12	<0.01	0.08	<2	0.09	<5	<5
B-17-5	Soil			6	0.21	144	0.077	<20	0.61	<0.01	0.07	<2	0.09	<5	<5
B-18-5	Soil			4	0.12	82	0.074	<20	0.35	<0.01	0.07	<2	0.10	<5	<5
B-19-5	Soil			5	0.10	85	0.080	<20	0.36	<0.01	0.08	<2	0.08	<5	<5
B-20-5	Soil			5	0.12	65	0.100	<20	0.56	<0.01	0.10	<2	0.08	<5	<5
B-21-5	Soil			<1	0.05	41	0.022	<20	0.14	<0.01	0.06	<2	0.10	<5	<5
B-22-5	Soil			<1	0.03	20	0.012	<20	0.11	<0.01	0.02	<2	0.05	<5	<5
B-01-6	Soil			13	0.41	44	0.145	<20	1.23	0.03	0.06	<2	0.07	<5	<5
B-02-6	Soil			24	0.56	40	0.232	<20	1.86	0.02	0.07	<2	0.06	8	<5
B-03-6	Soil			11	0.35	53	0.089	<20	1.24	0.04	0.07	<2	0.07	<5	<5
B-04-6	Soil			4	0.20	79	0.037	<20	0.43	0.01	0.06	<2	0.12	<5	<5
B-05-6	Soil			6	0.20	78	0.039	<20	0.60	0.02	0.08	<2	0.09	<5	<5
B-06-6	Soil			6	0.17	74	0.066	<20	0.58	0.01	0.05	<2	0.09	<5	<5
B-07-6	Soil			19	0.48	24	0.214	<20	1.54	0.02	0.05	<2	0.06	7	<5
B-08-6	Soil			9	0.30	80	0.079	<20	0.85	0.03	0.10	<2	0.08	<5	<5
B-09-6	Soil			9	0.33	112	0.075	<20	0.94	0.02	0.08	<2	0.08	<5	<5
B-10-6	Soil			15	0.44	170	0.146	<20	1.48	0.03	0.08	2	0.06	<5	<5
B-11-6	Soil			11	0.33	57	0.122	<20	1.07	0.02	0.03	<2	0.05	<5	<5

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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
B-12-6	Soil			<1	17	27	60	<0.3	6	4	1928	1.12	<2	<2	<2	77	<0.5	<3	<3	41	1.34	0.079	1
B-13-6	Soil			<1	20	25	67	<0.3	8	4	1969	1.41	<2	<2	<2	87	<0.5	<3	<3	47	1.22	0.070	1
B-14-6	Soil			<1	24	53	63	<0.3	8	5	3011	1.46	<2	<2	<2	62	<0.5	<3	<3	47	1.33	0.089	1
B-15-6	Soil			<1	20	23	71	<0.3	8	5	3387	1.31	<2	<2	<2	73	<0.5	<3	<3	43	1.38	0.093	1
B-16-6	Soil			<1	21	30	42	<0.3	8	5	1866	1.56	<2	<2	<2	37	<0.5	<3	<3	53	0.99	0.057	1
B-17-6	Soil			<1	23	25	52	<0.3	11	6	2363	1.81	<2	<2	<2	49	<0.5	<3	<3	62	1.20	0.061	2
B-18-6	Soil			<1	21	12	54	<0.3	8	5	1316	1.26	<2	<2	<2	45	<0.5	<3	<3	44	0.97	0.098	1
B-19-6	Soil			<1	24	80	71	<0.3	11	6	2806	1.93	<2	<2	<2	67	<0.5	<3	<3	63	1.35	0.079	2
B-20-6	Soil			<1	17	17	26	<0.3	8	5	1860	1.68	<2	<2	<2	36	<0.5	<3	<3	55	0.95	0.041	2
B-21-6	Soil			<1	13	20	42	<0.3	6	3	1682	1.04	<2	<2	<2	41	<0.5	<3	<3	33	0.92	0.069	1
B-22-6	Soil			<1	26	13	77	<0.3	12	6	1595	2.02	<2	<2	<2	71	<0.5	<3	<3	65	1.56	0.091	2
B-23-6	Soil			<1	20	16	63	<0.3	8	5	3121	1.43	<2	<2	<2	38	<0.5	<3	<3	46	1.20	0.074	2
B-24-6	Soil			<1	24	17	57	<0.3	10	5	1808	1.54	<2	<2	<2	45	<0.5	<3	<3	49	1.34	0.104	2
B-25-6	Soil			<1	13	15	51	<0.3	4	2	444	0.56	<2	<2	<2	44	<0.5	<3	<3	18	0.92	0.074	<1
B-26-6	Soil			<1	15	27	78	<0.3	7	3	2324	0.68	<2	<2	<2	68	<0.5	<3	<3	22	1.72	0.097	<1
B-27-6	Soil			<1	7	29	28	<0.3	2	<1	105	0.25	<2	<2	<2	26	<0.5	<3	<3	9	0.54	0.070	<1
B-28-6	Soil			<1	21	17	32	<0.3	8	4	713	1.99	<2	<2	<2	43	<0.5	<3	<3	66	1.03	0.057	1
B-29-6	Soil			<1	21	23	37	<0.3	10	6	2888	2.06	<2	<2	<2	26	<0.5	<3	<3	71	0.93	0.057	2
B-30-6	Soil			<1	25	25	59	<0.3	9	6	1052	2.23	4	<2	<2	56	<0.5	<3	<3	61	1.40	0.047	2
B-31-6	Soil			<1	22	46	170	<0.3	7	5	1599	1.55	<2	<2	<2	51	5.1	<3	<3	52	1.65	0.060	1
B-32-6	Soil			<1	12	44	60	<0.3	5	3	>10000	0.86	<2	<2	<2	25	<0.5	<3	<3	25	1.06	0.079	1
B-33-6	Soil			<1	22	19	66	<0.3	8	6	1361	1.30	2	<2	<2	55	<0.5	<3	<3	45	1.71	0.086	1
B-34-6	Soil			<1	15	29	54	<0.3	5	3	1899	1.08	<2	<2	<2	46	<0.5	<3	<3	42	1.11	0.083	<1
B-35-6	Soil			<1	13	46	40	<0.3	5	4	6322	0.91	<2	<2	<2	19	<0.5	<3	<3	33	0.67	0.092	1
B-36-6	Soil			<1	22	14	46	<0.3	8	5	1183	1.49	2	<2	<2	35	<0.5	<3	<3	51	0.95	0.071	1
B-37-6	Soil			<1	13	35	33	<0.3	5	2	152	0.70	<2	<2	<2	34	<0.5	<3	<3	23	1.02	0.046	<1
B-38-6	Soil			<1	13	28	40	<0.3	5	2	258	0.99	<2	<2	<2	26	<0.5	<3	<3	30	0.74	0.069	1
B-39-6	Soil			3	13	47	80	0.5	4	1	238	0.43	<2	<2	<2	36	0.5	<3	<3	16	1.37	0.057	1
B-40-6	Soil			<1	11	40	57	<0.3	4	3	3616	0.72	<2	<2	<2	24	<0.5	<3	<3	28	0.99	0.053	<1
B-41-6	Soil			<1	12	69	41	<0.3	6	3	1227	1.27	<2	<2	<2	19	<0.5	<3	<3	48	0.84	0.063	<1

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Project: None Given
Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
		ppm	%	ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	0.01	2	0.05	5	5	5
B-12-6	Soil	8	0.29	73	0.073	<20	0.78	0.02	0.06	<2	0.08	<5	<5	<5	<5
B-13-6	Soil	10	0.29	108	0.100	<20	1.03	0.02	0.03	<2	0.06	<5	<5	<5	<5
B-14-6	Soil	11	0.32	102	0.097	<20	1.04	0.01	0.05	<2	0.06	<5	<5	<5	<5
B-15-6	Soil	9	0.29	111	0.079	<20	0.97	0.02	0.05	3	0.07	<5	<5	<5	<5
B-16-6	Soil	11	0.29	70	0.129	<20	1.00	0.02	0.03	<2	0.05	<5	<5	<5	<5
B-17-6	Soil	14	0.33	97	0.137	<20	1.23	0.02	0.04	<2	0.06	<5	<5	<5	<5
B-18-6	Soil	11	0.27	69	0.094	<20	0.93	0.01	0.08	<2	0.07	<5	<5	<5	<5
B-19-6	Soil	15	0.40	142	0.149	<20	1.51	0.02	0.03	<2	<0.05	<5	<5	<5	<5
B-20-6	Soil	11	0.31	53	0.144	<20	0.95	0.01	0.03	<2	<0.05	<5	<5	<5	<5
B-21-6	Soil	8	0.23	74	0.074	<20	0.64	0.02	0.06	<2	0.06	<5	<5	<5	<5
B-22-6	Soil	14	0.47	128	0.153	<20	1.30	0.03	0.04	<2	0.05	<5	<5	<5	<5
B-23-6	Soil	10	0.30	55	0.105	<20	0.90	0.02	0.05	<2	0.06	<5	<5	<5	<5
B-24-6	Soil	10	0.33	73	0.113	<20	1.02	0.02	0.13	<2	0.07	<5	<5	<5	<5
B-25-6	Soil	4	0.10	49	0.037	<20	0.36	<0.01	0.04	<2	0.10	<5	<5	<5	<5
B-26-6	Soil	5	0.17	150	0.038	<20	0.58	<0.01	0.04	<2	0.11	<5	<5	<5	<5
B-27-6	Soil	3	0.07	55	0.019	<20	0.19	<0.01	0.07	<2	0.09	<5	<5	<5	<5
B-28-6	Soil	14	0.25	60	0.165	<20	1.30	<0.01	0.04	<2	0.06	<5	<5	<5	<5
B-29-6	Soil	18	0.28	44	0.174	<20	1.35	<0.01	0.04	<2	<0.05	<5	<5	<5	<5
B-30-6	Soil	12	0.36	114	0.146	<20	1.26	0.02	0.05	<2	0.05	<5	<5	<5	<5
B-31-6	Soil	11	0.22	58	0.104	<20	0.92	0.01	0.04	<2	0.09	<5	<5	<5	<5
B-32-6	Soil	5	0.13	40	0.044	<20	0.51	<0.01	0.08	<2	0.08	<5	<5	<5	<5
B-33-6	Soil	8	0.32	49	0.093	<20	0.99	0.01	0.08	<2	0.08	<5	<5	<5	<5
B-34-6	Soil	9	0.13	89	0.087	<20	0.55	0.01	0.04	<2	0.10	<5	<5	<5	<5
B-35-6	Soil	6	0.11	30	0.064	<20	0.47	<0.01	0.07	<2	0.10	<5	<5	<5	<5
B-36-6	Soil	10	0.35	33	0.107	<20	1.01	0.01	0.06	<2	0.07	<5	<5	<5	<5
B-37-6	Soil	5	0.10	24	0.049	<20	0.45	<0.01	0.03	<2	0.09	<5	<5	<5	<5
B-38-6	Soil	6	0.13	28	0.056	<20	0.55	<0.01	0.06	<2	0.09	<5	<5	<5	<5
B-39-6	Soil	4	0.05	17	0.032	<20	0.27	<0.01	0.03	<2	0.11	<5	<5	<5	<5
B-40-6	Soil	5	0.09	21	0.055	<20	0.33	<0.01	0.03	<2	0.09	<5	<5	<5	<5
B-41-6	Soil	10	0.14	14	0.111	<20	0.57	<0.01	0.05	<2	0.09	<5	<5	<5	<5

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Project: None Given
 Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
B-42-6	Soil			<1	9	37	42	<0.3	4	2	1066	0.38	<2	<2	<2	33	<0.5	<3	<3	15	1.74	0.042	<1
B-43-6	Soil			<1	29	18	42	<0.3	11	7	599	1.90	2	<2	<2	63	<0.5	<3	<3	71	1.44	0.048	2
B-44-6	Soil			<1	28	27	42	<0.3	12	6	1437	1.71	<2	<2	<2	73	<0.5	<3	<3	65	2.34	0.049	7
B-45-6	Soil			<1	25	22	45	<0.3	12	6	1274	1.96	<2	<2	<2	73	<0.5	<3	<3	71	1.80	0.058	1
B-46-6	Soil			<1	16	26	36	<0.3	8	5	3464	1.33	<2	<2	<2	37	<0.5	<3	<3	53	1.17	0.073	1
B-47-6	Soil			<1	11	22	28	<0.3	5	3	1412	1.03	<2	<2	<2	36	<0.5	<3	<3	40	1.02	0.042	<1
B-48-6	Soil			<1	23	31	55	<0.3	11	7	4711	2.04	<2	<2	<2	61	<0.5	<3	<3	74	1.12	0.053	2
B-49-6	Soil			<1	12	48	49	<0.3	6	2	2146	0.67	<2	<2	<2	35	<0.5	<3	<3	26	1.34	0.069	<1
B-50-6	Soil			<1	22	62	84	<0.3	9	5	2614	1.41	<2	<2	<2	88	<0.5	<3	<3	52	2.00	0.069	1
B-51-6	Soil			<1	24	40	33	<0.3	12	6	1233	2.26	3	<2	<2	55	<0.5	<3	<3	87	1.20	0.053	3
B-52-6	Soil			<1	21	49	50	<0.3	10	5	3493	1.75	<2	<2	<2	58	<0.5	<3	<3	69	1.28	0.070	2
B-53-6	Soil			<1	27	37	48	<0.3	11	6	1455	1.70	<2	<2	<2	47	<0.5	<3	<3	69	1.06	0.056	2
B-54-6	Soil			<1	13	29	36	<0.3	5	3	1174	0.96	<2	<2	<2	41	<0.5	<3	<3	36	0.89	0.055	<1
B-55-6	Soil			<1	29	65	48	<0.3	12	7	1896	2.04	<2	<2	<2	92	<0.5	<3	<3	77	1.46	0.056	2
B-56-6	Soil			<1	33	8	50	<0.3	14	8	1550	1.97	3	<2	<2	78	<0.5	<3	<3	83	1.65	0.068	2
B-57-6	Soil			<1	24	22	51	<0.3	14	7	1738	1.97	3	<2	<2	72	<0.5	<3	<3	85	1.29	0.079	2
B-58-6	Soil			<1	23	31	35	<0.3	9	6	1484	1.39	3	<2	<2	85	<0.5	<3	<3	59	1.27	0.059	2
B-59-6	Soil			<1	14	54	38	<0.3	6	3	3360	0.82	<2	<2	<2	49	<0.5	<3	<3	34	0.95	0.078	1
B-60-6	Soil			<1	11	39	34	<0.3	4	2	1378	0.63	2	<2	<2	32	<0.5	<3	<3	28	0.78	0.045	<1
B-61-6	Soil			<1	17	14	34	<0.3	6	3	1414	0.74	2	<2	<2	38	<0.5	<3	<3	30	0.99	0.051	2
B-62-6	Soil			<1	28	22	82	<0.3	11	7	2790	1.63	2	<2	<2	104	<0.5	<3	<3	67	1.83	0.084	3
B-63-6	Soil			<1	38	25	88	<0.3	14	9	2330	2.04	4	<2	<2	107	<0.5	<3	<3	82	1.61	0.077	3
B-64-6	Soil			<1	14	43	81	<0.3	7	3	2613	0.72	<2	<2	<2	78	<0.5	<3	<3	33	1.59	0.084	1
B-65-6	Soil			<1	15	50	55	<0.3	6	3	1207	0.85	<2	<2	<2	52	<0.5	<3	<3	33	1.00	0.094	<1
B-66-6	Soil			<1	10	58	27	<0.3	5	2	958	0.59	<2	<2	<2	22	<0.5	<3	<3	25	0.59	0.073	<1
B-67-6	Soil			<1	21	19	73	<0.3	9	4	2422	1.56	<2	<2	<2	112	<0.5	<3	<3	74	1.92	0.086	2
B-68-6	Soil			<1	13	20	72	<0.3	8	4	2790	1.39	<2	<2	<2	41	<0.5	<3	<3	65	1.31	0.074	1
B-69-6	Soil			<1	19	42	82	<0.3	9	6	2326	1.30	<2	<2	<2	60	<0.5	<3	<3	57	1.38	0.082	1
B-70-6	Soil			<1	10	16	34	<0.3	4	2	1485	0.49	<2	<2	<2	29	<0.5	<3	<3	16	0.87	0.073	<1
B-71-6	Soil			<1	15	16	52	<0.3	6	3	3525	0.93	<2	<2	<2	36	<0.5	<3	<3	34	1.02	0.088	1

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Project: None Given
Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	Analyte	Unit	MDL	1D Cr	1D Mg	1D Ba	1D Ti	1D B	1D Al	1D Na	1D K	1D W	1D S	1D Sc	1D Ga
		ppm	%	ppm	%	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	0.01	2	0.05	5	5	5
B-42-6	Soil	4	0.10	17	0.029	<20	0.24	<0.01	0.03	<2	0.09	<5	<5	<5	<5
B-43-6	Soil	14	0.40	32	0.175	<20	1.19	0.02	0.02	<2	0.08	<5	<5	<5	<5
B-44-6	Soil	13	0.41	58	0.160	<20	1.18	0.02	0.04	<2	0.07	<5	<5	<5	<5
B-45-6	Soil	14	0.42	53	0.191	<20	1.29	0.02	0.04	<2	0.06	<5	<5	<5	<5
B-46-6	Soil	11	0.20	30	0.122	<20	0.78	<0.01	0.05	<2	0.09	<5	<5	<5	<5
B-47-6	Soil	8	0.15	34	0.095	<20	0.63	0.01	0.04	<2	0.06	<5	<5	<5	<5
B-48-6	Soil	13	0.37	48	0.160	<20	1.27	0.02	0.06	<2	0.06	<5	<5	<5	<5
B-49-6	Soil	5	0.16	20	0.050	<20	0.44	<0.01	0.06	<2	0.09	<5	<5	<5	<5
B-50-6	Soil	9	0.34	64	0.116	<20	0.94	0.01	0.09	<2	0.07	<5	<5	<5	<5
B-51-6	Soil	16	0.34	36	0.191	<20	1.42	0.01	0.04	<2	0.06	<5	<5	<5	<5
B-52-6	Soil	13	0.30	59	0.134	<20	1.04	0.01	0.07	<2	0.09	<5	<5	<5	<5
B-53-6	Soil	14	0.32	33	0.144	<20	1.10	0.01	0.04	2	0.09	<5	<5	<5	<5
B-54-6	Soil	7	0.16	50	0.069	<20	0.59	0.01	0.08	<2	0.08	<5	<5	<5	<5
B-55-6	Soil	15	0.45	69	0.165	<20	1.44	0.02	0.07	3	0.07	<5	<5	<5	<5
B-56-6	Soil	16	0.42	42	0.168	<20	1.40	0.02	0.08	<2	0.06	<5	<5	<5	<5
B-57-6	Soil	19	0.31	75	0.171	<20	1.17	0.02	0.07	<2	0.08	<5	<5	<5	<5
B-58-6	Soil	10	0.29	44	0.102	<20	0.98	0.02	0.06	<2	0.08	<5	<5	<5	<5
B-59-6	Soil	6	0.17	30	0.050	<20	0.58	0.01	0.07	<2	0.11	<5	<5	<5	<5
B-60-6	Soil	6	0.11	29	0.045	<20	0.43	<0.01	0.04	<2	0.07	<5	<5	<5	<5
B-61-6	Soil	7	0.16	28	0.053	<20	0.54	<0.01	0.05	<2	0.09	<5	<5	<5	<5
B-62-6	Soil	13	0.35	77	0.123	<20	1.16	0.02	0.08	<2	0.11	<5	<5	<5	<5
B-63-6	Soil	18	0.43	67	0.155	<20	1.59	0.01	0.08	<2	0.08	<5	<5	<5	<5
B-64-6	Soil	7	0.16	93	0.064	<20	0.43	<0.01	0.07	<2	0.12	<5	<5	<5	<5
B-65-6	Soil	9	0.17	61	0.065	<20	0.59	<0.01	0.10	<2	0.10	<5	<5	<5	<5
B-66-6	Soil	5	0.08	37	0.040	<20	0.35	<0.01	0.07	<2	0.10	<5	<5	<5	<5
B-67-6	Soil	14	0.23	194	0.151	<20	0.77	<0.01	0.07	<2	0.13	<5	<5	<5	<5
B-68-6	Soil	13	0.22	78	0.127	<20	0.72	<0.01	0.06	<2	0.09	<5	<5	<5	<5
B-69-6	Soil	14	0.24	93	0.110	<20	0.80	<0.01	0.07	<2	0.11	<5	<5	<5	<5
B-70-6	Soil	5	0.17	50	0.023	<20	0.38	<0.01	0.07	<2	0.11	<5	<5	<5	<5
B-71-6	Soil	9	0.21	92	0.063	<20	0.61	0.01	0.09	<2	0.11	<5	<5	<5	<5

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Report Date: October 25, 2011

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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1	
B-72-6	Soil	<1	19	32	41	<0.3	9	4	4153	1.60	<2	<2	<2	24	<0.5	<3	<3	69	1.22	0.061	2
B-73-6	Soil	<1	12	24	29	<0.3	5	2	2905	0.73	<2	<2	<2	19	<0.5	<3	<3	27	0.73	0.053	1
B-74-6	Soil	<1	13	37	35	<0.3	4	3	2229	0.64	<2	<2	<2	16	<0.5	<3	<3	27	0.83	0.078	1
B-75-6	Soil	<1	15	42	30	<0.3	7	11	1602	1.61	<2	<2	<2	32	<0.5	<3	<3	72	0.88	0.058	1
B-76-6	Soil	<1	17	27	37	0.5	10	5	1343	2.87	<2	<2	<2	19	<0.5	<3	<3	164	0.89	0.073	1



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CERTIFICATE OF ANALYSIS

VAN11004442.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	
B-72-6	Soil	18	0.24	32	0.148	<20	0.96	<0.01	0.07	<2	0.08	<5	<5
B-73-6	Soil	7	0.17	26	0.051	<20	0.53	<0.01	0.07	<2	0.08	<5	<5
B-74-6	Soil	6	0.10	19	0.052	<20	0.38	<0.01	0.06	<2	0.11	<5	<5
B-75-6	Soil	15	0.18	37	0.134	<20	0.61	<0.01	0.06	<2	0.09	<5	<5
B-76-6	Soil	27	0.17	36	0.325	<20	0.96	<0.01	0.06	<2	0.09	<5	<5



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QUALITY CONTROL REPORT

VAN11004442.1

Method	Analyte	Unit	MDL	1D Mo	1D Cu	1D Pb	1D Zn	1D Ag	1D Ni	1D Co	1D Mn	1D Fe	1D As	1D Au	1D Th	1D Sr	1D Cd	1D Sb	1D Bi	1D V	1D Ca	1D P	1D La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
Pulp Duplicates																							
3 OF 1	Soil			<1	22	10	68	<0.3	7	4	754	0.79	<2	<2	<2	68	<0.5	<3	5	30	1.57	0.093	<1
REP 3 OF 1	QC			<1	21	<3	66	<0.3	6	3	740	0.74	<2	<2	<2	67	<0.5	<3	6	28	1.53	0.092	1
B-52-1	Soil			<1	69	<3	49	<0.3	20	11	559	2.50	<2	<2	<2	51	<0.5	<3	<3	116	1.79	0.061	3
REP B-52-1	QC			<1	70	4	50	<0.3	21	12	572	2.61	<2	<2	<2	52	<0.5	<3	<3	124	1.83	0.061	3
B-39-2	Soil			<1	8	6	29	<0.3	3	2	1153	0.36	<2	<2	<2	39	<0.5	<3	<3	12	1.58	0.043	<1
REP B-39-2	QC			<1	8	6	29	<0.3	3	2	1148	0.36	<2	<2	<2	39	<0.5	<3	<3	12	1.55	0.042	<1
B-01-5	Soil			<1	46	7	37	<0.3	14	9	1147	2.46	<2	<2	<2	23	<0.5	4	<3	94	1.05	0.069	2
REP B-01-5	QC			<1	42	7	36	<0.3	13	8	1185	2.40	<2	<2	<2	22	<0.5	3	<3	89	1.00	0.067	2
B-15-5	Soil			<1	20	30	40	<0.3	9	7	5365	1.79	<2	<2	<2	29	<0.5	<3	<3	71	0.91	0.060	2
REP B-15-5	QC			<1	19	28	38	<0.3	9	6	5452	1.81	<2	<2	<2	29	<0.5	<3	<3	67	0.89	0.056	2
B-39-6	Soil			3	13	47	80	0.5	4	1	238	0.43	<2	<2	<2	36	0.5	<3	<3	16	1.37	0.057	1
REP B-39-6	QC			2	13	40	81	0.4	4	1	234	0.43	<2	<2	<2	36	0.5	<3	<3	16	1.35	0.057	1
Reference Materials																							
STD DS8	Standard			14	108	111	330	1.4	40	8	636	2.53	24	<2	5	68	2.3	5	8	44	0.72	0.081	15
STD DS8	Standard			13	100	129	336	1.2	34	7	623	2.56	23	<2	6	69	1.9	4	6	38	0.74	0.075	14
STD DS8	Standard			12	98	106	309	1.5	32	6	596	2.40	23	<2	6	65	1.4	5	5	35	0.70	0.067	12
STD DS8	Standard			13	99	123	322	1.4	33	7	599	2.46	26	<2	6	63	2.0	7	7	37	0.68	0.078	13
STD DS8	Standard			15	104	112	306	1.2	37	7	605	2.41	25	<2	6	67	2.1	4	4	41	0.72	0.074	16
STD DS8	Standard			14	105	125	315	1.5	38	7	601	2.43	27	<2	7	66	2.3	5	7	42	0.72	0.080	15
STD DS8	Standard			12	106	114	325	1.1	32	8	629	2.52	23	<2	5	70	1.8	4	7	36	0.75	0.066	13
STD OREAS45CA	Standard			2	498	12	63	<0.3	248	93	878	15.73	<2	<2	4	14	<0.5	<3	<3	208	0.41	0.039	17
STD OREAS45CA	Standard			2	525	16	53	<0.3	265	83	938	16.88	4	5	6	14	<0.5	10	<3	188	0.43	0.038	14
STD OREAS45CA	Standard			2	521	18	56	<0.3	244	85	946	16.99	3	6	6	14	<0.5	13	<3	196	0.43	0.038	15
STD OREAS45CA	Standard			1	535	13	58	<0.3	241	87	952	17.31	4	5	6	15	<0.5	15	<3	196	0.44	0.040	15
STD OREAS45CA	Standard			3	524	26	57	<0.3	264	91	910	16.14	<2	<2	6	15	<0.5	<3	<3	207	0.42	0.037	17
STD OREAS45CA	Standard			<1	505	19	57	<0.3	253	92	899	16.00	4	<2	7	15	<0.5	<3	<3	204	0.42	0.037	16
STD OREAS45CA	Standard			<1	536	18	60	<0.3	268	99	955	16.69	3	<2	5	14	2.2	10	<3	199	0.44	0.032	14
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	0.107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	0.08	14.6

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.



Acme Analytical Laboratories (Vancouver) Ltd.

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 Suite 47 - 1160 Shellbourne Blvd.
 Campbell River BC V9W 5G5 Canada

Project: None Given
Report Date: October 25, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004442.1

Method	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5	
Pulp Duplicates													
3 OF 1	Soil	7	0.19	66	0.059	<20	0.53	0.01	0.09	<2	0.11	<5	<5
REP 3 OF 1	QC	7	0.18	65	0.055	<20	0.51	0.01	0.09	<2	0.10	<5	<5
B-52-1	Soil	23	0.59	25	0.277	<20	1.54	0.01	0.03	<2	0.10	5	<5
REP B-52-1	QC	23	0.61	25	0.301	<20	1.61	0.01	0.03	<2	0.10	5	<5
B-39-2	Soil	2	0.13	27	0.028	<20	0.24	<0.01	0.02	<2	0.08	<5	<5
REP B-39-2	QC	2	0.13	27	0.027	<20	0.23	<0.01	0.02	<2	0.08	<5	<5
B-01-5	Soil	14	0.35	27	0.237	<20	1.39	<0.01	0.03	<2	0.07	5	<5
REP B-01-5	QC	14	0.33	29	0.227	<20	1.32	<0.01	0.03	<2	0.07	5	<5
B-15-5	Soil	8	0.11	127	0.203	<20	0.68	<0.01	0.04	2	0.06	<5	<5
REP B-15-5	QC	7	0.10	126	0.198	<20	0.68	<0.01	0.04	<2	0.06	<5	<5
B-39-6	Soil	4	0.05	17	0.032	<20	0.27	<0.01	0.03	<2	0.11	<5	<5
REP B-39-6	QC	4	0.05	17	0.031	<20	0.26	<0.01	0.03	<2	0.11	<5	<5
Reference Materials													
STD DS8	Standard	126	0.61	308	0.111	<20	0.98	0.11	0.44	2	0.17	<5	8
STD DS8	Standard	106	0.63	298	0.112	<20	0.97	0.09	0.42	3	0.14	<5	<5
STD DS8	Standard	98	0.59	285	0.111	<20	0.91	0.09	0.41	3	0.13	<5	<5
STD DS8	Standard	103	0.60	290	0.102	<20	0.90	0.09	0.41	3	0.15	<5	<5
STD DS8	Standard	116	0.60	289	0.117	<20	0.92	0.09	0.40	<2	0.16	<5	<5
STD DS8	Standard	116	0.62	280	0.107	<20	0.91	0.09	0.41	<2	0.16	<5	<5
STD DS8	Standard	113	0.63	300	0.110	<20	0.97	0.09	0.43	2	0.16	<5	<5
STD OREAS45CA	Standard	723	0.14	149	0.126	<20	3.73	<0.01	0.08	<2	<0.05	45	16
STD OREAS45CA	Standard	796	0.13	162	0.129	<20	4.04	<0.01	0.06	<2	<0.05	52	<5
STD OREAS45CA	Standard	808	0.13	162	0.143	<20	4.01	<0.01	0.07	<2	<0.05	51	<5
STD OREAS45CA	Standard	792	0.13	171	0.141	<20	4.07	<0.01	0.07	<2	<0.05	53	<5
STD OREAS45CA	Standard	780	0.14	156	0.148	<20	4.01	<0.01	0.07	<2	<0.05	48	15
STD OREAS45CA	Standard	728	0.14	159	0.116	<20	3.81	<0.01	0.07	<2	<0.05	46	15
STD OREAS45CA	Standard	749	0.14	160	0.108	<20	4.02	<0.01	0.06	<2	<0.05	50	<5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.1679	2.3	4.7



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Campbell River BC V9W 5G5 Canada

Project: None Given

Report Date: October 25, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004442.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		1	1	3	1	0.3	1	1	2	0.01	2	2	2	1	0.5	3	3	1	0.01	0.001	1
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	0.043	7	15	0.1	0.13	0.19	215	0.4265	0.0385	15.9
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1
BLK	Blank	<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001	<1



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Report Date: October 25, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004442.1

		1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	1D	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Sc	Ga
		ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm
		1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	5	5
STD OREAS45CA Expected		709	0.1358	164	0.128		3.592	0.0075	0.0717		0.021		
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<5	<5



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East
 Vancouver, BC Canada V6A 4A3
 Phone 604 253 3158 Fax 604 253 1716
 GST # 843013921 RT

Bill To: Western Gateway Minerals Inc.
 301 - 1275 West 6th Ave.
 Vancouver, BC V6H 1A6
 Canada

Invoice Date: October 26, 2011
 Invoice Number: **VANI101519**
 Submitted by: Joseph L Paquet
 Job Number: VAN11004800
 Order Number:
 Project Code: None Given
 Shipment ID:
 Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	176	\$2.25	\$396.00
2	1D01	0.5g Aqua Regia Digestion ICP-ES	176	\$8.95	\$1575.20
3	DIS-PLP	Warehouse disposition of pulps	176	\$0.10	\$17.60
			Net Total		\$1,988.80
			BC HST		\$238.66
			Grand Total	CAD	\$2227.46

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
 Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:

Acme Analytical Laboratories (Vancouver) Ltd.
 HSBC
 885 West Georgia St
 Vancouver, BC Canada V6C 3G1
 Account # 428755-001
 Bank Transit # 10270-016
 Swift Code: HKBCCATT

For payment in US Funds:

Acme Analytical Laboratories (Vancouver) Ltd.
 HSBC
 885 West Georgia St
 Vancouver, BC Canada V6C 3G1
 Account # 428755-070
 Bank Transit # 10270-016
 Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.