

**EXPLORATION REPORT
ON
MAGNETIC, VLF-EM, AND
TREE BARK SAMPLING SURVEYS
WITHIN THE
EL TORO PROJECT
HOWSON CREEK, SMITHERS AREA
OMINECA MINING DIVISION, BRITISH COLUMBIA**

**BC Geological Survey
Assessment Report
33275**

LOCATED: 86 km east of the town of Terrace, BC
54° 44' 38" N Latitude, and 127° 26' 55" W Longitude
NTS: 93L/05, 06, and 11

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Cobalt	1:2,500	GC-6a
Copper	1:2,500	GC-7a
Molybdenum	1:2,500	GC-8a
Nickel	1:2,500	GC-9a
Lead	1:2,500	GC-10a
Antimony	1:2,500	GC-11a
Zinc	1:2,500	GC-12a

Bark Sampling Grid

Silver	1:2,500	GC-1b
Arsenic	1:2,500	GC-2b
Gold	1:2,500	GC-3b
Cadmium	1:2,500	GC-4b
Cerium	1:2,500	GC-5b
Cobalt	1:2,500	GC-6b
Copper	1:2,500	GC-7b
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Nickel	1:2,500	GC-9b
Lead	1:2,500	GC-10b
Antimony	1:2,500	GC-11b
Zinc	1:2,500	GC-12b

SUMMARY

A magnetic, VLF-EM and tree bark sampling grid was carried out on the El Toro property in the late fall of 2011. This property is located on Howson Creek about 86 km east of the town of Smithers, within the Omineca Mining Division of B.C. The purpose of the work was to map geology as well as to locate any possible mineralization perhaps similar to what is known on the property.

The magnetic survey consisted of two grids, the Area 3 grid and the Bark Sampling grid. The Area 3 grid consisted of 223 samples over 4 lines. Samples were taken every 12.5 meters over a total survey length of 2,712.5 meters. The Bark Sampling grid consisted of 371 samples over 2 lines. Samples were taken every 12.5 meters over a total survey length of 4,612.5 meters. The total magnetic survey consisted of 594 readings over 6 lines covering 7,325 meters.

The VLF-EM surveying covered sections of the magnetic grids. The Area 3 grid consisted of 223 samples over 4 lines. Samples were taken every 12.5 meters over a total survey length of 2,715 meters. The Bark Sampling grid consisted of 185 samples over 1 line. Samples were taken every 12.5 meters over a total survey length of 2,300 meters. The total VLF-EM sampling was 408 samples over 5 lines covering 5,015 meters.

The tree bark sampling also consisted of two grids, the Area 3 grid and the Bark Sampling grid. The Area 3 grid consisted of 61 samples over 6 lines. Samples were taken every 50 meters over a total survey length of 2,715 meters. The Bark Sampling grid consisted of 139 samples over 4 lines. Samples were taken every 50 meters over a total survey length of 6,800 meters. The total tree bark sampling was 200 samples over 10 lines covering 9,515 meters.

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INTRODUCTION AND GENERAL REMARKS

This report discusses survey procedure, compilation of data, interpretation methods, and the results of magnetic and VLF-EM geophysical surveys as well as a tree bark geochemical survey carried out over a portion of the El Toro Property belonging to Lions Gate Energy Inc. The property is located in the Telkwa Range of the Hazelton Mountains with the survey grids occurring near Howson Creek. The Property is about 86 km east of the town of Terrace within the Omineca Mining Division, British Columbia.

Fieldwork was carried out on the El Toro Property by Geotronics crew between the periods of November 25th to December 10th, 2011. Work consisted of a magnetic survey, a VLF-EM survey and tree bark sampling carried out within the western area of the property. Complete analytical results of all sampling may be found in Appendix A.

The Location and Access, Physiography, and History and Geology sections of this report are taken in whole or in part from Jean Pautler's 2009 report prepared for Lions Gate Energy Inc.

PROPERTY AND OWNERSHIP

The El Toro property presently consists of 15 mineral claims. All are contiguous.

Table 1 lists all the claims which are held in the name of Lions Gate Energy Inc. as the El Toro property. The 15 claims total 34,356.45 hectares in area.

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
592347	Mineral	PRINCESS1	20120516	470.1239
592348	Mineral	PRINCESS2	20120516	413.9032
592349	Mineral	PRINCESS3	20120516	319.8904
592351	Mineral	PRINCESS4	20120516	451.3433
602408	Mineral	LOLJUH 1	20120516	451.8834
602409	Mineral	LOLJUH 2	20120516	338.9134
908929	Mineral	EL TORO 7	20120515	5443.858
908949	Mineral	EL TORO 8	20120515	6560.107
908950	Mineral	EL TORO 9	20120515	6248.717
920766	Mineral	EL TORO 1	20120515	3758.415
920767	Mineral	EL TORO 2	20120515	3969.9339
920770	Mineral	EL TORO 3	20120515	3105.3547
920771	Mineral	EL TORO 4	20120515	940.9064
920772	Mineral	EL TORO 5	20120516	941.3788
920773	Mineral	EL TORO 6	20120516	941.7206

Total Area: 34356.449 ha

LOCATION AND ACCESS

The El Toro property is situated in the Omineca Mining Division in central British Columbia, 86 kilometres east of the town of Smithers (Figure 2). The property is located on NTS mapsheet 93L/05,06 and 11 (BCGS mapsheets 93L.033 to .035, .043 to .045, and .053 to .055) at a latitude of 54°44'38" N and longitude 127°26'55" W (Figure 3).

Access to the property from Telkwa is via the Coal Mine road, an all-weather gravel road, which initially follows the south side of the Telkwa River. To access the eastern property area (Hunter and Hankin Basins) the road is followed for 7 km to Goathorn Creek, at which point a logging road is taken to the south for 3 km to a junction where the right fork is followed, initially crossing Goathorn Creek, for 11 km to a second junction. The right fork accesses Hunter Basin, and continues for another 4 km at which point ATV access is recommended. The left fork, followed by a right fork, continues for 3.5 km to an ATV trail, which accesses the Old Tom-Hankin showings .

The western property area is accessed by continuing along the Telkwa River for 18 km past Goathorn Creek (to km 25), crossing a bridge to the north side of the river at km 14. At this point a locked gate (key available from the Forest Service) accesses a logging road, which is followed for 7 km, past one junction on the left at km 6.5. At 7 km a second

road to the left is followed for 4 km to the end, at which point an ATV trail is followed for 3 km to a junction, then following the right branch for 6 km to the War Eagle area and another 4 km to the closest access to the MSJ showing, and followed another 4.5 km to the Princess. The ATV trail continues beyond this point to the west.

Upper Hankin Basin, Sunsets Basin, Dominion Basin, Tommy Houston Creek, Starr Creek and the Evening Creek portion of Howson Basin are best accessed by helicopter from Smithers.

Power transmission lines follow the Telkwa River, approximately 10 km north of the property, and the Bulkley River, 10 km to the east. Smithers and Telkwa lie along the Canadian National Rail line linking Prince George with Prince Rupert with freight and passenger service available at Smithers.

The town of Smithers, with a population of approximately 5,414, is the trading centre for the entire Bulkley Valley with an area population of approximately 20,000. It lies along Highway 16, part of the under-utilized Northwest transportation corridor, with Prince George located 370 km to the east and the port of Prince Rupert, 350 km to the west. Smithers has an airport with service to Vancouver and other communities within British Columbia. Facilities include a hospital, RCMP station, post office, government services, motels and hotels, grocery stores, service stations, restaurants, recreation facilities, a college, freight and courier services, bus facilities and helicopter and fixed wing aircraft bases. Smithers has a strong mining oriented labour force.

The village of Telkwa, 11 km southeast of Smithers via Highway 16, is the closest community to the property, and has a population of 1,426. Main industries include forestry, agriculture, tourism, and mining. Facilities include accommodation (lodges and bed & breakfasts), a gas station/restaurant, recreation facilities, a small mining oriented labour force and some local heavy equipment availability.

PHYSIOGRAPHY

The El Toro Project lies within the Telkwa Range, situated at the south end of the Bulkley Ranges of the Hazelton Mountains of west-central British Columbia.

The eastern and western portions of the property are rugged, separated by the broad and swampy Howson Creek drainage which flows northerly into the Telkwa River, which, in turn, flows easterly into the Bulkley River. Elevations range from approximately 950m along Howson Creek in the north-central property area to 2338m at the headwaters of Sunsets Creek. Vegetation primarily consists of large spruce forests, with some pine, and thickets of willow and alder which gives way to scrub balsam at subalpine elevations. Approximately one-third of the claim area lies above tree line, at approximately 1500m, with grassy highland plateaus and talus filled cirques.

Water is available year round from Howson Creek, its east and west flowing tributaries and easterly flowing tributaries of the Bulkley River, and in the south, the southerly

flowing Thautil River and its tributaries. There does not appear to be any topographic or physiographic impediments and suitable lands occur for a potential mine, including mill, tailings storage, heap leach and waste disposal sites.

The area has a moderate climate with temperatures ranging from -10.6 to 18°C in Telkwa. Average annual rainfall is 287 mm, and median snowfall is 197 mm. Temperatures would be cooler at the higher elevations on the property. The exploration season generally extends from mid June to early July (depending on the elevation) to mid September.

HISTORY

The El Toro Project covers a number of minfile showings. The showings have been grouped by area due to the abundance of showings and similar history for adjacent showings.

Hunter Basin (King, Rainbow, Idaho, Hunter, Colorado, Tribune, Hannah)

1903-04 Initial discovery by W. Hunter of King, Rainbow, Hunter, Idaho showings (*BCDM, 1904-05*).

1909-15 Two tunnels were driven on the Colorado and at least one shaft on the Tribune prior to 1915 (*Tompson, 1982*). In 1914 38 tonnes of ore was shipped from the Colorado recovering 155,515 g Ag and 2722 kg Cu (*British Columbia Minfile, 2008*). Several open cuts and a 4.8m adit were cut on the Hunter in 1914 exposing high grade lenses, with 23 tonnes from the dump assaying 1.2% Cu, 2523 g/t Ag and 0.69 g/t 10 Au (*British Columbia Minfile, 2008*) and a tunnel was driven on the Hannah, with no significant mineralization encountered (*BCDM, 1915*).

1914-41 Combined production from the King and Rainbow mines totaled 269 tonnes of hand-sorted ore which produced 8160g Au, 283,366g Ag, and 42,710 kg copper. (*British Columbia Minfile, 2008*).

1962 Canadian American Mining Co. Inc. shipped 24.5 tonnes of ore which produced 373g Au, 11,539g Ag, and 1647 kg copper (*BCDM, 1962*).

1967 An induced polarization survey in Hunter Basin for Canadian American Mining Co. Inc. identified several conductors that could represent the extensions of known mineralization and additional zones (*Baird, 1967*).

1982 The Colorado tunnel was re-opened by Lloyd Gething and a 020-030°/70W° quartzcalcite-adularia vein zone was identified with tetrahedrite and electrum (*Tompson, 1982*).

1988 Mapping and soil geochemistry on Colorado-Tribune by Atna Resources Ltd. delineating four north trending structures with anomalous copper and silver (*Harivel, 1988*).

1989 Old workings in Hunter Basin were located and sampled by Van Alphen (*Ethier, 1989*).

Hankin Basin (Old Tom, Hankin, Hope, Marmot, Lava, Loring, Crater)

1899-20 Discovery of copper mineralization in Hankin Basin followed by additional discoveries in area and exploration by open cuts and adits (*BCDM, 1900 and 1915*).

1968-69 Geochemical and magnetic and self potential geophysical surveys were completed on Loring Creek area by Falconbridge Nickel Mines with anomalies delineated (*Brown, 1968 and Rutherford, 1981*), which were followed up by 210.6m of diamond drilling in four holes (*BCDM, 1969*).

1973-78 Geochemical and geophysical surveys by Maharaja Minerals, with diamond drilling on the Old Tom showing in 1973 and 1978 (3 holes), and on the Marmot in 1975 and 1978 (*Rutherford, 1981*). The average assay from chip sampling a 24.3m cliff section on the Marmot is 4.3% Cu and 109.71 g/t Ag (*McAndrew et. al., 1973*).

1980-83 Magnetic (50 km), short VLF-electromagnetic and geochemical soil surveys on Crater Lake – Marmot areas and a short induced polarization survey on the Marmot by Mecca Minerals. Known mineralized zones were detected and additional anomalies delineated by the geophysical and soil surveys (*Rutherford, 1981 and 1983*).

1991 Quartz-carbonate vein discovered by Skeena Resources Ltd. returned 39.6 g/t Au, 300 g/t Ag with 7.3% Pb and 8.4% Zn, 500m southwest of Loring showing (*Jamieson, 1991a*). Suggests potential for similar mineralization to Friendly Trench at Denny North. Also Cu-Ag-Au skarn mineralization (5.5% Cu, 280 g/t Ag, 0.75 g/t Au) discovered 1 km southwest of Loring, Cu-Zn mineralization 2 km south of Loring (1.8% Cu, 10.3% Zn, 0.6 g/t Au) and significant Cu-Ag at Loring (10.6% Cu, 350 g/t Ag) (*Jamieson, 1991a*).

Sunsets Basin (Fog, Fly)

1966-7 Copper - molybdenum stream sediment anomalies were delineated by Noranda Mines Ltd. in southwest part of the Sunsets Pluton. Mapping, soil geochemistry, trenching and VLF-electromagnetic surveys indicated a typical "porphyry" environment with several possible conductors (*Dirom, 1967*).

1968 Soil geochemical (200 ft spacing on lines 400 ft apart) and horizontal loop electromagnetic surveys with minor mapping, delineated a western copper (rimming Fly) and eastern copper - molybdenum (Fog) soil anomaly, the latter with a weak conductive zone coincident with previous VLF anomalies. This was followed by 152.4m of diamond drilling in 2 holes on the lower Fly by Whitesail Mines Ltd. but results not reported (*Woolverton, 1969*).

1970 Diamond drilling of 478m in 3 holes (on the upper Fly) by Ducanex Resources Ltd. under option from Whitesail Mines Ltd. but results not reported (*Allen, 1981*).

1980-81 Nine spot check grab samples by Canadian Nickel Company Limited for Redfern Resources Ltd. yielded maximum results of 0.645% Mo with 0.08% Cu and 0.25% Mo over 0.5m from the Fog, and 0.102% Mo and 0.11% Cu from the Fly phyllic alteration zones in 1980 (*Kenyon, 1980*). This was followed by mapping, rock and soil geochemistry to confirm previous data, and an evaluation of old drill core stored on site (*Allen, 1981*).

1991 Significant copper in rock (up to 0.59% Cu) obtained in north to northeastern Sunsets stock by Skeena Resources Ltd. (*Jamieson, 1991a*).

Dominion (Denys) Basin (Deny North, Deny South, Deny East, Sunset)

1989 Discovery with rumours of "oldtimers" packing out high-grade gold ore (*Kikuchi, 1985*).

1912-14 Discovery of native silver from a narrow 035°/60°SE quartz vein which was explored by a short adit (1,615m elevation) and several open cuts (Sunset showing) with values up to 18.8% Cu, 27.6 oz/t Ag and 0.03 oz/t Au on cliffs on south side of Sunsets Creek (*BCDM, 1915*).

1953 Geological survey by New Jersey Zinc Exploration Ltd. in Dominion Basin with two chip samples from Deny North assaying 1.6% Cu 13% Zn 7.2% Pb 117.0 g/t Ag 3.0 g/t Au and 3.3% Cu 21% Zn 0.4% Pb 156.0 g/t Ag 0.3 g/t Au (*Kikuchi, 1985*).

1968-69 Geological and geochemical surveys, 27.6m of pack-sack diamond drilling in 3 holes on Deny North, intersecting minor copper-silver-zinc mineralization, and diamond drilling of several holes northeast of Deny South with the last 5m of core in one hole assaying 2.72% Cu and 25 g/t Ag, all by Falconbridge Nickel Mines Inc. (*Kikuchi, 1985*).

1973-74 Mapping and hand trenching on Deny North and South (*Kikuchi, 1985*) and Sunset (*Pardoe, 1988*) showings by Maharaja Minerals Ltd. A 2 km magnetometer survey over North showing picked up known mineralization. Nine holes diamond drilled on Deny South but inconclusive due to core poor recovery (*Kikuchi, 1985*).

1980 Mecca Minerals conducted a detailed chip sample survey on the "Friendly Trench" at the North showing yielding an average of 70.2 g/t Ag and 2.21 g/t Au for 34 samples along 8.5m of the vein and maximum values of 342 g/t Ag and 21.6 g/t Au (*Kikuchi, 1981*).

1984 Discovery and mapping of Deny East showing (*Kikuchi, 1985*).

1988 A program of geological mapping, prospecting and silt sampling on the Sunset showing by Geostar Mining Corporation returned 16.53% Cu, 63.11 oz/t Ag and

0.124 oz/t Au from the ore stockpile of an old adit, which appears to have been driven on a 0.35m wide 025°/55°SE quartz vein and maximum values of 2.73% Cu and 1.22 oz/t Ag and 0.009 oz/t Au from other mineralized stringers (*Pardoe, 1988*).

Houston Tommy Creek (Del, Joe, Loljuh, Rudy)

1967-73 Geophysics, geochemistry and 90.2m of diamond drilling in 7 holes by Noranda Exploration Co. Ltd. targeting porphyry Cu-Mo potential in a monzonite intrusion long Loljuh Creek (*Helgason, 1987 and BCDM, 1969 and 1971*). No results were reported.

1965-69 Excavator trenching on Del in conjunction with work to east (*British Columbia Minfile, 2008*).

1969 Geophysics, geochemistry and mapping following airborne survey by Summit Oils Ltd in Joe-Loljuh area indicating significant copper-silver-lead-zinc in soil anomalies (*Pacific Geochemical Services Ltd., 1970*).

1970-72 Magnetic, electromagnetic and induced polarization geophysical surveys, soil geochemistry and mapping for Lobell Mines Ltd under option in Joe-Loljuh area outlining a strong chargeability anomaly with associated copper in soil geochemistry in southern survey area (*Stevenson, 1970 and White, 1972*).

1973 Prospecting, sampling and reconnaissance mapping of the Pete, Rudy area by Maharaja Minerals Ltd with maximum results of 32.8% Cu, 6,460 g/t Ag from a 2.4m wide shear on the Rudy and an average of 5.5% Cu, 191.3 g/t Ag and 1.47 g/t Au from 0.3 to 0.9m wide veins on the Pete (*McAndrew, 1974a,b*).

1987 Soil geochemistry (780 samples) and evaluation of showings by Geostar Mining Corp. outlined two significant copper-silver-zinc-lead-arsenic soil anomalies from Loljuh-Joe area (*Helgason, 1987*).

1988 Follow up of RGS stream anomalies with reconnaissance soil, silt and rock sampling by Noranda Exploration Co. Ltd. outlined a 500m long Pb-Zn soil anomaly and 6.1% Cu, 25 g/t Ag from a quartz-epidote vein from Del area (*Campbell, 1988*).

Howson Basin (Duchess, Countess, Evening, Silver Heels, Starr, Tom, War, Eagle, Princess)

1905-1910 Exploration by open cuts, shafts, 2 adits on Duchess, 1 adit (21m) on Evening, and work on War Eagle by Telkwa Mines Ltd. (*Jamieson, 1991b and Cuttle, 1990*).

1915-1917 Exploration by Jefferson-Dockrill Syndicate (*Jamieson, 1991b and Cuttle, 1990*).

1928-29 Extension of adits by Cominco on Duchess with only narrow zones of mineralization found (*Jamieson, 1991b*). A total of 1224m of underground workings

is reported in 2 adits with the upper adit encountering good mineralization averaging 4-5% Cu in the first 27m after which the zone is cut off by faulting. Only narrow zones of mineralization were encountered in the lower adit (*Price, 1983*).

1952 Hand trenching of Princess showing on rim of cirque by Kennecot (*Preto, 1967*).

1966-67 An airborne electromagnetic survey followed by induced polarization, electromagnetic and self potential geophysical surveys, a soil geochemical survey, geological mapping, trenching and diamond drilling of 6 holes on the Duchess were completed by Norcan Mines Ltd. Coincident geophysical anomalies were outlined in a drift covered area (*Stevenson, 1970*).

1968 Mapping, prospecting, sampling, geophysics and trench rehabilitation by Bethex on the Duchess and Evening (*Jamieson, 1991b*). Bethex drill hole N-1 or Pathfinder? (*Cuttle, 1990*)

1966-70 A 2.5 km induced polarization survey, soil geochemical surveys, and in 1968 a deep drill hole, were completed by Pathfinder Resources Ltd. A broad east-west trending magnetic anomaly and copper soil anomalies were outlined associated with a stock at the War Eagle pyrite zone and the drill hole intersected porphyry style alteration (*Sharp, 1970*).

1969-73 Access trail construction, minor trenching, followed by mapping and sampling by Maharaja Minerals Ltd. in 1973 on the Tom showing. Two vein/shear zones are reported with maximum values of 16.9% Cu and 6.58 oz/t Ag. (*Cullen and Biss, 1974*).

1983 Minor sampling and VLF-electromagnetic geophysics by Joyce Warren returning 7% Cu and 5.74 oz/t Ag on the Duchess (*Jamieson, 1991b*).

1991 Minor sampling and examination of Duchess and Evening adits by Skeena Resources Ltd. with the best sample returning 9% Cu and 88 g/t Ag over 1m on the Duchess and 1.9% Cu from the Evening (*Jamieson, 1991b*).

Starr Creek (MSJ, Ant, Wolverine)

(MSJ)

1974 A 20 km induced polarization survey (with 1,000 ft line spacings by Hudson's Bay Oil and Gas Co. Ltd delineated a 5,000 by 10,000 f t chargeability high, associated with phyllic alteration in a quartz monzonite intrusion in Trail Creek (MSJ showing) and surrounding overburden covered terrain (*Homeniuk, 1974*).

1989 A geochemical evaluation by Placer Dome Inc. on the MSJ showing for A. Schmidt, found anomalous copper and gold in rock, silt and bulk silt samples (*Schmidt, 1989*).

1991 Grid soil samples (201 samples) were collected at 100m intervals on 200-400m spaced lines was undertaken over the 1974 chargeability high by Cominco under option. Higher values were found, especially for zinc, over the western portion of the area (*Pauwels, 1991*).

6.7.2 Ant, Wolverine

1971 Geological and soil geochemical (339 samples) surveys and 130m of trenching by Granby Mining Co. Ltd. on the Wolverine showing, delineating breccia veins with chalcopyrite (*BCDM, 1971*).

1987 Prospecting, mapping, magnetometer and VLF-electromagnetic surveys, and excavator trenching by Atna Resources Ltd. on Ant showing with discovery of a 3 by 0.6 km epithermal system with values up to 4.1 g/t Au across 0.6m on Lefty 1 (*Hanson, 1991*).

1990 Mapping and soil geochemical and induced polarization surveys by Atna Resources Ltd. resulted in discovery of an 800m long shear zone with associated copper-silver-gold mineralization on Ant 1, which was followed by 1100m of diamond drilling in 7 holes. The drill program intersected a phyllic altered zone related to a major northeast trending shear zone with minor chalcopyrite, sphalerite and tetrahedrite (*Hanson, 1991*).

In 1967 Pyramid Mining Co. Ltd. completed Turam electromagnetic and magnetic surveys on a number of claims within the El Toro Project area, including the Phil, John and Dave claims south of Starr Creek, the Al claims near the outlet of Glacis Creek, and on the Mike claims at the headwaters of Glacis and Sunsets Creeks and along Sunset Ridge to the south to delineate drill targets (*Baird, 1968*). In 1969 one hole was diamond drilled on the Phil 6 claim, one on the Al 4 claim, one on the Mike 44 claim (west of Fly) and some holes on the Mike 3, 11, and 12 claims (above Sunset Adit). Results of this program (*BCDM, 1969*) could not be located.

In 2007 Lions Gate Energy Inc. undertook a 629 lie km airborne magnetic and electromagnetic Aerotem 2 geophysical survey over the Sunset stock with 100m line spacing on north-south lines, delineating a strong magnetic low in the southern stock area. A reconnaissance evaluation of some of the showings on the El Toro Project was initiated with significant molybdenum obtained from the Fly showing within the Sunsets stock.

GEOLOGICAL SETTING

a) REGIONAL GEOLOGY

The El Toro Project is underlain by arc volcanic rocks of the Upper Paleozoic to Middle Mesozoic Stikine Terrane, allochthonous rocks accreted to North America in the Jurassic. The Stikine Terrane is intruded by post-accretionary stocks and plutons of Jurassic to Tertiary age and overlain by overlap assemblages of the Bowser Basin in the north and the Nechako Basin in the south.

Within the regional map area (93L and north 93E) the Stikine Terrane consists of the Lower Jurassic Hazelton Group, predominantly calc-alkaline volcanic rocks of the Lower Jurassic Telkwa Formation with minor volcanoclastic rocks of the Eagle Peak Formation. Subaerial andesitic to dacitic crystal and lithic tuffs predominate over rhyolitic flows, breccia and vesicular basalt. The Hazelton Group is underlain by intermediate to mafic marine volcanic and sedimentary rocks of the Upper Triassic Takla Group, the oldest rocks in the region, which are exposed in the northeastern map area around Babine Lake.

The Stikine Terrane is overlain by marine shale, greywacke, breccia, tuff and conglomerate of the Middle Jurassic Smithers and Ashman Formations, and by coarse clastic rocks of the Upper Cretaceous Skeena Group, primarily the Red Rose Formation, which consists of shale, greywacke, conglomerate and coal.

The above lithologies are cut by intrusions of three main plutonic suites. The oldest are the Topley plutonic suite, of primarily Early Jurassic age consisting of quartz monzonite and granodiorite stocks arrayed in a northeast trending belt in the eastern regional map area. Small equant stocks and bosses of the Late Cretaceous Bulkley Intrusions, composed of quartz monzonite, granodiorite and quartz diorite, occur in a northwest trending belt that extends from the Huckleberry Mine area through the El Toro Project area and into the north Smithers area. The youngest and most abundant intrusions are small stocks and bosses of the Eocene Nanika Intrusions, consisting of quartz monzonite, granodiorite and quartz diorite compositions that form a wide northwest trending belt across the Smithers map area (93L), coincident with that of the Bulkley Suite.

Early Tertiary sedimentary rocks are exposed near the perimeter of the Bowser and Nechako Basins. Eocene basalts extensively overlie much of the southeastern map area, within the Nechako Basin, with felsic volcanic rocks dominating generally south of Francois Lake.

Extensional basin and range type block faulting characterizes the area. More penetrative north-northwest and north trending faults are evident with less continuous east-northeast trending faults.

Economically, the Huckleberry copper±molybdenum±gold porphyry Mine, 70 km south of the El Toro Project, is associated with a stock of the Late Cretaceous Bulkley plutonic suite, with mineralization occurring within both the stock and the hornfelsed Telkwa Formation volcanic rocks of the Hazelton Group, both of which underlie the El Toro Project. Huckleberry opened in 1997 with a mineable reserve of 90 million tonnes of 0.51% Cu, 0.062 g/t Au and 2.8 g/t Ag. The Granisle and Bell copper±molybdenum past producing mines in the Babine Lake area are hosted by Eocene Babine intrusions of quartz diorite and biotite feldspar porphyry compositions.

The Equity Silver past producing mine, 60 km southeast of El Toro, is a subvolcanic silver-gold-copper or transitional type deposit which has similar characteristics to mineralization observed on the El Toro Project. Equity Silver produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au.

b) PROPERTY GEOLOGY

The El Toro Project (figure 4 and 4a) is primarily underlain by the Telkwa Formation of the subaerial to locally submarine Lower Jurassic Hazelton Group, dominated by bedded maroon and green subaerial andesitic to dacitic crystal and lithic tuffs and lesser breccia, with minor flow interbeds including vesicular basalt. Rhyolitic flows and tuffs occur in the southwest property area (Ant-Wolverine showings) and in the southeast at the Del and Rudy showings. Minor volcanoclastic rocks of the Eagle Peak Formation, which overlies the Telkwa Formation, locally underlie part of Hunter Basin in the northeast property area, along southern Starr Creek and just east of its junction with the Thautil River in the southwest property area and just north of the Loljuh showing, south of the bend in Denys Creek.

Thin beds of fine clastic sedimentary rocks of the Lower Cretaceous to Jurassic Hazelton Group Nitwitka Formation are exposed in the eastern property area, primarily in the southeast. A small exposure of the Nitwitka Formation and coarse clastic rocks of the Late Cretaceous Skeena Group underlies the south-central property area.

Small bosses, stocks and related dykes and sills of the Late Cretaceous Bulkley plutonic suite, primarily of quartz monzonite, monzonite and granodiorite compositions intrude the Hazelton Group across the El Toro Project. The best exposed stock, located above tree line in Sunsets Basin and referred to as the Sunsets stock, is approximately 2 by 3 km in size and has been radiometrically dated at 70 Ma (*Carter, 1974*). Two distinct phases of the Sunsets stock have been recognized and mapped, grey quartz monzonite porphyry with feldspar and quartz phenocrysts in a fine grained potassium feldspar rich matrix and a later coarser grained porphyritic quartz monzonite (*Allen, 1981*). The stock has domed the surrounding pyroclastic sequence, which dips away from the stock in all directions (*Sutherland Brown, 1967*). A hornfels zone up to 300 m wide surrounds the Sunsets stock, (*Allen, 1981*).

An incompletely exposed Bulkley quartz monzonite stock, possibly similar in size to the Sunsets stock, is exposed in the Starr Creek area which will be referred to as the MSJ stock. A poorly exposed quartz monzonite to granodiorite stock of the Bulkley plutonic suite, possibly of similar size, is exposed in the Houston Tommy Creek area near Loljuh Creek and will be informally referred to as the Loljuh stock. A smaller, 1km diameter Bulkley feldspar porphyry stock is exposed at the War Eagle Pyrite zone, which will be referred to as the War Eagle stock. A 1 by 2 km quartz monzonite stock has been mapped proximal to the Ant showing. A buried intrusion is suggested by alteration and dykes below Joker Ridge in the Howson Basin area.

A Bulkley quartz porphyry stock is mapped to the west of the Del showing. An Early Cretaceous aged quartz monzonite pluton, of the McCauley Island plutonic suite, lies just east of the southeastern property area. A number of small diorite intrusions have been identified in the property area, which may represent subvolcanic intrusions associated with the Telkwa Formation volcanic rocks.

Abundant dykes primarily associated with the Bulkley plutonic suite, including granodiorite, quartz diorite, feldspar porphyry and quartz-feldspar porphyry compositions, intrude the Hazelton Group throughout the property.

Eocene basalts of the Buck Creek Formation of the Endako Group overlie the above lithologies in the southern property area, just west of the Thautil River and occur as dykes throughout the property area.

A prominent north trending fault trends through the Mooseskin Johnny Valley. Two through-going north-northeast trending faults bisect the central property area, one of which extends through Hunter Basin. Extensional basin and range type block faulting, which characterizes the regional area, is evident across the property.

c) Deposit types

The principal deposit type present on the El Toro Project is the subvolcanic coppergold-silver (arsenic, antimony) type, also referred to as transitional or intrusion related polymetallic stockwork and vein types. The Equity Silver past producing mine, 60 km southeast of El Toro, is an example of this type of deposit. The three past producing mines and developed prospect on the El Toro Project (King, Rainbow, Colorado and Hunter) and the remaining Hunter Basin showings, and the Hankin, Dominion and Howson Basin showings, and possibly the Rudy, Pete and Joe also belong to this class of deposit.

Mineralization of the calc-alkaline porphyry copper±molybdenum±gold(silver) deposit type, commonly related to the subvolcanic type, is less abundant in the project area but is associated with the Bulkley plutonic suite which occur as stocks and dykes across the property. The Huckleberry Mine, 70 km south of the El Toro Project, is a calc-alkaline copper±molybdenum±gold porphyry type deposit associated with a stock of the Late Cretaceous Bulkley plutonic suite, with mineralization occurring within both the stock

and the hornfelsed Telkwa Formation volcanic rocks of the Hazelton Group. Mineralization at the Fog and Fly fall into this category and the MSJ, War Eagle Pyrite and Loljuh SE exhibit porphyry characteristics.

Epithermal veins are commonly associated with subvolcanic and porphyry deposit types with mineralization on the Ant, Wolverine and possibly the Del of this type. Several occurrences of copper-silver-zinc skarn mineralization with calc-silicatemagnetite skarn assemblages are recorded adjacent to dyke and plutonic contacts, in association with vein and porphyry style mineralization, e.g. Duchess, Fog-Fly, Princess, War Eagle, Tom, Deny North and Loring. The host Telkwa Formation rocks are generally lacking in carbonate members, and extensive or economic concentrations of skarn type mineralization are not likely to occur (Dawson, 2006).

Subvolcanic copper-gold-silver (arsenic, antimony)

The following characteristics of the subvolcanic copper-gold-silver (arsenic, antimony) deposit model are primarily summarized from Panteleyev, (1995). Examples include the Equity Silver past producing mine in British Columbia, the Rochester District in Nevada, Kori Kollo in Bolivia, and the epithermal gold zones at Lepanto, Phillippines. Commodities are copper, gold and silver with associated arsenic and antimony.

Mineralization typically occurs as sulphide and sulphide-quartz veins, stockworks and breccias in subvolcanic intrusions with stratabound to discordant massive pyritic replacements, veins, stockworks, disseminations and related hydrothermal breccias in country rocks, located near or above porphyry copper hydrothermal systems. They commonly contain pyritic auriferous polymetallic mineralization with silver sulphosalt and other arsenic and antimony bearing minerals and occur in volcano-plutonic belts in island arcs and continental margins as well as continental volcanic arcs. Extensional tectonic regimes are favourable, allowing high level emplacement of the intrusions. Ages of mineralization are variable, although Tertiary deposits are most abundant.

Host rocks include subvolcanic (hypabyssal) stocks, rhyodacite and dacite flow-dome complexes with fine to coarse-grained quartz-phyric intrusions common. Dyke swarms and other small subvolcanic intrusions are likely to be present. Where coeval volcanic rocks are present, they range from andesite to rhyolite in composition and occur as flows, breccias and pyroclastic rocks with related epiclastic rocks (as observed at El Toro).

Ore mineralogy includes pyrite, commonly auriferous, chalcopyrite and tetrahedritetennantite, with subordinate enargite, covellite, chalcocite, bornite, sphalerite, galena, arsenopyrite, argentite, sulphosalts, gold, stibnite, molybdenite, wolframite or scheelite, pyrrhotite, marcasite, realgar, hematite, tin and bismuth minerals. (Ore minerals observed on the El Toro Project include pyrite, chalcopyrite and tetrahedrite-tennantite, with subordinate chalcocite, bornite, sphalerite, galena, possible arsenopyrite and stibnite, molybdenite, pyrrhotite, and hematite.) Gangue and

alteration minerals include pyrite, sericite and quartz (typically observed at El Toro) with minor kaolinite, alunite and jarosite primarily in supergene zones. Weathering of the pyritic zones can produce limonitic blankets with jarosite, goethite and locally alunite.

Ore zones are typically localized in strongly fractured to crackled zones in cupolas and internal parts of intrusions and flow-dome complexes, along faulted margins of high level intrusive bodies in permeable lithologies (primary and secondary) in the country rocks. Primary controls are structural features such as faults, shears, fractured and crackled zones and breccias. Secondary controls are porous volcanic units (as is the case in the Hankin Basin area of the El Toro Project), bedding plane contacts and unconformities. Breccia pipes provide channelways for hydrothermal fluids originating from porphyry copper systems and commonly carry elevated values of gold and silver (Marmot showing may be an example).

Vertical zonation and superimposition of different ore types is common. Pyrite rich deposits contain enargite near surface, passing downwards into tetrahedrite/tennantitechalcopyrite and then chalcopyrite in porphyry intrusions at depth. The vein and replacement mineralization can be separated from the deeper porphyry mineralization by 200 to 700m. Geochemical signature includes gold, copper, silver, arsenic, antimony, zinc, cadmium, lead, iron and fluorine, with molybdenum, bismuth, tungsten, and locally tin at depth.

Equity Silver , 60 km southeast of El Toro, produced 33.8 million tonnes of 0.4% copper, 64.9 g/t Ag, and 0.46 g/t Au primarily from bulk mineable tetrahedrite bearing zones. Kollo, Bolivia contained 10 million tonnes of oxide ore grading 1.62 g/t Au, 23.6 g/t Ag with 64 million tonnes of sulphide ore grading 2.26 g/t Au, 13.8 g/t Ag from closely spaced fracture and vein systems. Associated deposit types include high and low sulphidation epithermal gold-silver, porphyry copper±molybdenum±gold and related polymetallic veins.

Porphyry copper±molybdenum ±gold

The following characteristics of the calc-alkaline porphyry copper±molybdenum±gold deposit model are primarily summarized from Panteleyev, (1995). Examples of the classic morphologic type of calc-alkaline porphyry include Brenda and Huckleberry in British Columbia, Bingham in Utah, USA and El Salvador in Chile. Commodities are copper, molybdenum and gold in varying quantities with minor silver in most deposits.

Classic type deposits, which appear to be the morphologic type on the El Toro Project, are stock related with multiple emplacements at shallow depths (1-2 km) of generally equant, cylindrical porphyritic intrusions, modified by numerous associated dykes and breccias. Orebodies occur along margins and adjacent to intrusions as annular ore shells. Lateral outward zoning of alteration and sulphide minerals from a weakly mineralized potassic/propylitic core is usual. Surrounding ore zones with

potassic (commonly biotite-rich) or phyllic alteration contain molybdenite-chalcopyrite, then chalcopyrite and a generally widespread propylitic, barren pyritic aureole.

Mineralization typically occurs as sulfide-bearing veinlets, fracture fillings and lesser disseminations in large hydrothermally altered zones (up to 100 ha in size) with quartz veinlets and stockworks, commonly wholly or partially coincident with intrusion or hydrothermal breccias and dyke swarms, hosted by porphyritic intrusions and related breccia bodies. Sulfide mineralogy includes pyrite, chalcopyrite, with lesser molybdenite, bornite and magnetite. Two main ages of mineralization are evident in the Canadian Cordillera, Triassic to Jurassic (210-180 Ma) and Cretaceous to Tertiary (85-45 Ma).

Alteration generally consists of an early central potassic zone that can be variably overprinted by potassic (potassium feldspar and biotite), phyllic (quartz-sericite-pyrite), less commonly argillic and rarely, advanced argillic (kaolinite-pyrophyllite) in the uppermost zones.

Regional faults are important in localizing the porphyry stocks with fault and fracture sets (especially coincident and intersecting multiple sets) an important ore control. Other ore controls include internal and external igneous contacts, cupolas, dyke swarms and intrusive and hydrothermal breccias.

British Columbia porphyry copper \pm molybdenum \pm gold deposits contain 115 million tonnes of 0.37% Cu, 0.01% Mo, 0.3 g/t Au and 1.3 g/t Ag, from median values for 40 deposits with reported reserves. Porphyry deposits contain the largest reserves of copper, almost 50% of the gold reserves in British Columbia and significant molybdenum resources and are primarily mined by open pit methods. Associated deposit types include skarn, porphyry gold, low and high sulfidation epithermal systems, polymetallic veins and sulfide mantos and replacements.

Epithermal gold-silver veins

The following characteristics of the low sulphidation epithermal gold deposit model are primarily summarized from Panteleyev, (1996). Examples include the Midas Mine of Franco Nevada in Nevada, the El Penon Mine of Meridian Minerals in Chile, and the former Baker and Cheni Mines in the Toodoggone District of British Columbia. Commodities are gold and silver with minor copper, lead and zinc.

Mineralization typically occurs as quartz veins, stockworks and breccias carrying gold, silver, electrum, argentite and pyrite with lesser and variable amounts of sphalerite, chalcopyrite, galena, rare tetrahedrite and sulphosalt minerals in high level (epizonal) to near surface environments. The ore commonly exhibits open space filling textures and is associated with volcanic-related hydrothermal to geothermal systems in volcanic island and continent margin magmatic arcs and continental volcanic fields with extensional structures.

Host rocks include most types of volcanic rocks with calcalkaline andesitic compositions predominating. Some deposits occur in areas with bimodal volcanism and extensive subaerial ashflow deposits. A less common association is with alkalic intrusive rocks and shoshonitic volcanic rocks. Clastic and epiclastic sedimentary rocks host deposits in intra-volcanic basins and structural depressions.

Gangue minerals include quartz, amethyst, chalcedony, quartz pseudomorphs after calcite and calcite, with minor adularia, sericite, barite, fluorite, calcium-magnesium-manganese-iron carbonate minerals such as rhodochrosite, hematite and chlorite. Alteration generally consists of extensive silicification occurring as multiple generations of quartz and chalcedony, commonly accompanied by adularia and calcite. Pervasive silicification in vein envelopes is flanked by sericite-illite-kaolinite assemblages. Intermediate argillic alteration (kaolinite-illite-montmorillonite ± smectite) forms adjacent to some veins. Advanced argillic alteration (kaolinite-alunite) may form along the tops of mineralized zones. Propylitic alteration dominates at depth and peripherally. Weathered outcrops are often characterized by resistant quartz ± alunite 'ledges' and flanking extensive, bleached, clay-altered zones with supergene alunite, jarosite and other limonite minerals.

The deposits occur in high-level hydrothermal systems from depths of approximately 1 km to surficial hot spring settings. They are associated with regional-scale fracture systems related to grabens, ± resurgent calderas, flow-dome complexes and rarely, maar diatremes. Extensional structures in volcanic fields (normal faults, fault splays, ladder veins and cymoid loops, etc.) are common; locally graben or caldera-fill clastic rocks are present. High-level (subvolcanic) stocks and/or dikes and pebble breccia diatremes occur in some areas. Locally resurgent or domal structures are related to underlying intrusive bodies.

Ore zones are typically localized in structures, but may occur in permeable lithologies. Upward-flaring ore zones centred on structurally controlled hydrothermal conduits are typical. Large (greater than 1m wide and hundreds of metres in strike length) to small veins and stockworks are common with lesser disseminations and replacements. Vein systems can be laterally extensive but ore shoots have relatively restricted vertical extent. High-grade ores are commonly found in dilational zones in faults at flexures, splays and in cymoid loops.

Deposits are commonly zoned vertically over 250 to 350m from a base metal poor, gold-silver rich top to a relatively silver rich base metal zone and an underlying base metal rich zone grading at depth into a sparse base metal, pyritic zone. From surface to depth, metal zones contain gold-silver-arsenic-antimony-mercury, gold-silver-lead-zinc-copper, silver-lead-zinc. In alkalic host rocks tellurides, roscoelite (vanadium mica) and fluorite may be abundant, with lesser molybdenite.

Ages of mineralization are variable although Tertiary deposits are most abundant. The age is closely related to the associated volcanic rocks but invariably slightly younger in age (0.5 to 1 Ma, more or less).

Typical grade and tonnage figures for the median low sulphidation epithermal gold deposits, based on worldwide mines and U.S.A. models, include 0.77 million tonnes of 7.5 g/t Au, 110 g/t Ag and minor copper, zinc and lead for 41 Comstock-type 'bonanza' deposits and 0.3 million tonnes of 1.3 g/t Au, 38 g/t Ag and >0.3% Cu from 20 Sadotype gold-copper deposits. Associated deposit types include high sulphidation epithermal gold-silver, hot spring gold-silver, porphyry copper±molybdenum±gold and related polymetallic veins and placer gold.

Economic low sulphidation epithermal deposits are usually mined by a combination of open pit mining and underground operations with conventional cyanide milling processing, with moderate daily tonnage production. They typically contain high-grade sections, often with significant silver content, high silver to gold ratios, "clean" metallurgy, and good recoveries.

d) Mineralization

The El Toro Project covers a well-mineralized area southwest of Telkwa that includes 36 Minfile occurrences, including 3 past producers, 1 developed prospect, 6 prospects and 26 showings, as documented by the British Columbia Geological Survey Branch (*Minfile, 2008.*)

Hunter Basin (King, Rainbow, Idaho, Hunter, Colorado, Tribune, Hannah)

The Hunter Basin occurrences consist of fissure veins, fracture fillings and disseminations, primarily hosted by andesitic pyroclastic rocks, interbedded flows and epiclastic rocks. Vein mineralogy consists of bornite, chalcopyrite, ±tetrahedrite, chalcocite, specularite, lesser pyrite, pyrrhotite, galena and magnetite in quartz with lesser calcite gangue. Veins primarily trend northeast to easterly, dipping steeply southeast and commonly follow dyke, fracture and shear zones in the volcanic host rocks, accompanied by an alteration assemblage that includes intense silicification, calcite, epidote and sericite.

Electrum has been noted at the Colorado vein which trends 022°/75°NW. The Tribune appears to cover the northerly strike extension of the Colorado. The King, Rainbow and Colorado were small past producing mines, operating primarily between 1914 and 1941. The King covers a 070°/90° trending fissure vein that was traced for 150m. The Upper West showing, approximately 250m along strike to the west, appears to represent the strike extension of the King. Approximately 600m along strike to the east of the King, a gossan occurs in a cliff face, which could represent the strike extension of this vein.

Individual vein assay values include 1.0 g/t Au, 164.5 g/t Ag, 2.0% Cu over 1.2m from the King and 2.7 g/t Au, 706.3 g/t Ag, 5.4% Cu over 1.0m from the Mohock zone on the Idaho (*BCDM, 1915*).

In addition to high grade mineralized lenses in veins at the Hunter, disseminated mineralized is also reported over widths of 15-90 cm within a volcanic bed trending 090/25°N. Only minor quartz stringers with occasional malachite stain have been reported from the Hannah showing.

Hankin Basin (Old Tom, Hankin, Hope, Marmot, Lava, Loring, Crater)

At the Old Tom, Hankin, Lava and Loring showings pyrite, chalcopyrite, chalcocite, pyrrhotite and magnetite with lesser, tetrahedrite and sphalerite occur as disseminations, aggregates and fracture fillings within 1-3m wide beds in the gently dipping andesite tuff host rocks. Mineralization within the beds is commonly enhanced adjacent to quartz porphyry dykes, trending 025°/50-70°E, which cut the stratigraphy. Alteration includes silicification, with epidote, chlorite and sericite. Grades are commonly in the 0.1-1% Cu range with 5-20 g/t Ag and minor gold, locally with several percent copper, and up to 100 g/t Ag and 1.5 g/t Au . A sample from the Loring for example returned 1.0% Cu, 41.1 g/t Ag with trace gold across 1.8m (*BCDM, 1915*). Many of the exposures occur in cliffs which have been riddled with short adits. At the Loring three mineralized horizons, up to 1.5m wide, occur within a 20m wide zone with assays averaging 65.14 g/t Ag with 0.45 to 3.12% Cu (*McAndrew et. al., 1973*).

Mineralization at Crater Lake may be similar to the strataform mineralization described above with disseminated chalcocite reported from an andesite band in the cirque wall which returned 1.55% Cu and 101.8 g/t Ag over 3m (*Rutherford, 1983*). At the Marmot showing a sulphide fracture filling quartz-calcite-sulphide stringer-stockwork zone was traced for 30.5m. Sulphide mineralization consists of bornite, chalcopyrite, chalcocite, and tetrahedrite. The average assay from chip sampling a 24.4m cliff section on the Marmot is 4.3% Cu and 108.7 g/t Ag (*McAndrew et. al., 1973*).

At the Lava showing quartz-molybdenite stockwork mineralization with disseminated chalcopyrite fracture fillings is associated with granodiorite and quartz porphyry dykes, which are probably related to the Sunsets stock to the south. Anomalous molybdenum also occurs within the strataform mineralization described above suggesting proximity to the porphyry environment.

A quartz-carbonate vein 500m southwest of the Loring showing returned 39.6 g/t Au, 300 g/t Ag with 7.3% Pb and 8.4% Zn (Jamieson, 1991a), suggesting potential for a zonation to more gold rich veins, similar to mineralization at the Friendly Trench at Deny North (*Jamieson, 1991a*).

At the Hope showing a 0.75m wide 320°/steep NE quartz vein is mineralized with chalcopyrite and pyrite with a select sample assaying 1.4 g/t Au, 171 g/t Ag and 10% Cu (*BCDM, 1933*).

Minor quartz-garnet-epidote±magnetite skarn with chalcopyrite occurs 1 km southwest of the Loring showing returning 5.5% Cu, 280 g/t Ag, 0.75 g/t Au, and 2 km south of the Loring mineralization carrying up to 1.8% Cu, 10.3% Zn, 0.6 g/t Au was reported (*Jamieson, 1991a*).

Sunsets Basin (Fog, Fly)

The Fog and Fly prospects are hosted by two quartz-sericite-pyrite (phyllic altered) zones within the southern part of the Sunsets stock, a Bulkley intrusion immediately south of Hunter Basin in the northeastern project area. Quartz-pyrite±molybdenite ±chalcopyrite veins 2 to 5 cm wide and trending predominantly northeasterly and dipping southeast are associated with the alteration zones (*Allen, 1981*). Potassic alteration, suggested by pink feldspar alteration envelopes along fractures and quartz veins, is reported at a lower vertical level beneath the phyllic zones.

Vein abundance in general is sparse but the western alteration zone (Fly), measuring 300-600m by 1000m, contains between 10 and 25 veins per metre and is flanked by a copper in soil anomaly. Maximum results of 0.102% Mo and 0.11% Cu were reported in 1980 (*Kenyon, 1980*).

The eastern phyllic zone (Fog) is 300m in diameter and lies near the eastern edge of a larger copper-molybdenum soil anomaly (maximum 1900 ppm Cu and 125 ppm Mo) at the contact between two phases of the stock. A 0.5m channel sample assayed 0.252 % Mo and 0.01 % Cu with maximum results of 0.645% Mo with 0.08% Cu (*Kenyon, 1980*).

Significant copper in rock anomalies (up to 0.59% Cu) were subsequently obtained in the north to northeastern Sunsets stock by Skeena Resources Ltd. (*Jamieson, 1991a*).

Dominion (Denys) Basin (Deny North, Deny South, Deny East, Sunset)

The Sunset showing covers a zone of narrow quartz veins and stringers mineralized with malachite, azurite, tetrahedrite, bornite, chalcopyrite pyrite, native copper and possible native silver. The largest vein, explored by an adit in cliffs on the south side of Sunsets Creek is 0.35m wide and trends 030°/60°SE with values up to 18.8% Cu, 946 g/t Ag and 1.03 g/t Au (*BCDM, 1915, Pardoe, 1988*).

At the Friendly Trench on the Deny North showing a 1m wide north trending, 35°W dipping quartz-carbonate-sulphide vein is exposed which yielded an average of 70.2 g/t Ag and 2.21 g/t Au for 34 samples along 8.5m of the vein with maximum values of 342 g/t Ag and 21.6 g/t Au (*Kikuchi, 1981*). Sulphide minerals include chalcopyrite, pyrite, sphalerite, galena and bornite. Quartz-diopside-epidote-magnetite garnet skarn with minor chalcopyrite and sphalerite mineralization is exposed above the vein.

Mineralization at Deny South is reported as disseminations and predominantly northwest trending, steep northeast dipping fracture fillings of chalcopyrite, chalcocite, bornite and specularite hosted by a basalt flow.

The Deny East showing (not located in 2008) is reported to consist of a 320° trending quartz vein zone traced for 70m with malachite staining and limonite boxworks within a 20m wide contact zone between andesite and pink basalt (*Kikuchi, 1985*). No assay values were reported.

Houston Tommy Creek (Del, Joe, Loljuh, Rudy)

On Loljuh Creek chalcopyrite, bornite and molybdenite occur as disseminations in granodiorite and volcanic rocks of the Telkwa Formation (*BCDM, 1971*). At the Loljuh showing, minor galena, sphalerite and chalcopyrite occur in quartz-siderite veins cutting andesite proximal to a carbonate unit within the sedimentary sequence.

Chalcopyrite, ±sphalerite, pyrite, pyrrhotite, bornite, galena, magnetite, chalcocite and molybdenite occur as north to northeast trending fracture fillings and quartz veins at the Joe, Pete and Rudy showings, generally hosted by andesitic volcanic rocks. At the Pete showing the veins are hosted by a northerly trending feldspar porphyry dyke, possibly related to the Loljuh stock.

Mineralization at the Del showing consists of disseminated chalcopyrite, pyrite, bornite, malachite and azurite, primarily in northerly trending quartz-epidote veins (a grab sample reported from one returned 6.1% Cu, 25 g/t Ag – *Campbell, 1988*), but also in andesite, quartz diorite and rhyolitic host rocks.

Howson Basin (Duchess, Countess, Evening, Silver Heels, Starr, Tom, War, Eagle, Princess)

The main vein type occurrence in this area is the Duchess prospect which covers a northerly trending (170°/80°E) shear hosted quartz-sulphide vein with chalcopyrite, pyrite, tetrahedrite, and minor sphalerite and galena, at the contact between an andesite flow and tuff unit. Good mineralization averaging 4-5% Cu in the first 27.5m is reported with mineralization occurring over widths up to 3.7m after which the zone is cut off by faulting. More recent sampling from the Duchess returned 9% Cu and 88 g/t Ag over 1m (*Jamieson, 1991b*). The Countess, 400 m north of the Duchess covers its northern strike extension.

The Duchess and Countess appear to be localized by a 170°/70°W trending fault which has been traced 2.8 km to the south to the Princess where minor mineralization is exposed over a width of 60m, and 1.4 km north of the Duchess to the Silver Heels. At the Silver Heels showing mineralization, which assayed 34.3 g/t Ag and 2.3% Cu over 3.6m, is associated with a north/80°E trending dyke (*BCDM, 1917*).

The Princess, Evening, Tom and main War Eagle showings cover minor, irregular small quartz-sulphide and sulphide vein and shear occurrences, with minor associated northerly trending disseminated mineralization also noted at the Evening, Silver Heels and War Eagle. Mineralization at the Evening generally trends northeast to east, dipping moderately north. Mineralization on the Tom trends northerly, dipping 40-80°E, is exposed over a 500m area, is commonly associated with dykes and locally contains maximum values of 16.9% Cu and 6.58 oz/t Ag (*Cullen and Biss, 1974*).

Minor quartz-garnet-epidote±magnetite skarn with ±chalcopyrite and sphalerite occurs just west of the Duchess vein, and at the Tom and Princess showings.

The War Eagle Pyrite, 800m southeast of the main War Eagle showing, consists of a 15-25m wide iron oxide zone coincident with an induced polarization anomaly and associated with a 305° trending shear zone mineralized with pyrite and minor chalcopyrite with quartz stockworks, stringers and local breccias evident (*Sharp, 1970*). The zone occurs within a felsic feldspar porphyry plug, 500m by 700m in size with copper soil anomalies. A drill hole in the southern part of the stock intersected porphyry style alteration but no significant mineralization. Joker Ridge, 5 km northwest of the War Eagle, consists of an extensive iron oxide-pyrite-silica zone that lies along the same northwesterly trending structure identified at the War Eagle Pyrite zone and may suggest proximity to porphyry or subvolcanic type mineralization.

The Starr showing covers minor disseminated chalcopyrite, bornite, tetrahedrite, pyrite, sphalerite and galena mineralization as disseminations in a granitic intrusion and as fracture fillings within the adjacent contact zone with intermediate volcanic rocks.

Starr Creek (MSJ, Ant, Wolverine)

The MSJ showing covers a roughly concentric zone of propylitic, argillic and phyllic alteration within a quartz monzonite stock (*Preto, 1967*), possibly 2 by 3 km in size. The intense quartz-sericite-pyrite (phyllic) alteration forms a prominent gossan along Trail Creek which flows easterly into the Thautil River. Quartz feldspar porphyry dykes occur along the western margin of the stock, associated with pyrite-chalcopyrite mineralization in propylitically altered volcanic tuffs (*Pauwels, 1991*). Mineralization of this type occurs along Lone Chasm Creek which was investigated in 2008. Minor quartz-molybdenite veinlets are reported, associated with argillic alteration in the western stock area (*Pauwels, 1991*). A large hornfels alteration zone was observed in 2008 within epiclastic rocks along lower Starr Creek, which may be related to proximity to the MSJ stock.

West of Starr Creek, in the southwest El Toro Project area, epithermal style mineralization occurs within Telkwa Formation rhyolite flows, pyroclastics and andesites. At the Ant prospect a phyllic altered 800m long northeast trending shear zone with minor disseminated chalcopyrite, sphalerite and tetrahedrite was delineated (*Hanson, 1991*). Approximately 1.5 km to the west a 3 by 0.6 km epithermal system

was outlined (Lefty showing) with values up to 4.1 g/t Au across 0.6m. Mineralization occurs as 020-060° trending quartz veins, stockwork and breccia zones with minor pyrite, chalcopyrite and sphalerite, locally with more massive pyrite and chalcopyrite zones (*Hanson, 1990*). The Wolverine showing reportedly consists of chalcopyrite bearing breccia veins hosted by Telkwa Formation volcanic rocks and dykes (*BCDM, 1971*) and may represent the northeast strike extension of the Lefty.

MAGNETIC SURVEYS

(a) Instrumentation

For the Area 3 Grid, both the magnetic survey and the VLF-EM survey were carried out with two GSM-19 units manufactured by GEM Systems Inc. of Richmond Hill, Ontario. One of the units was used for taking the survey readings and consisted of a proton precession Overhauser magnetometer with a VLF-EM receiver option. In addition a second GSM-19 unit without the VLF-EM option was used for a base station.

The GSM-19 system is a memory system capable of storing up to 8,000 readings, or 3,100 readings when 3 VLF-EM stations are included. The field unit was used with a GSM-19 base station magnetometer for the purpose of monitoring the diurnal variation of the magnetic field. The magnetometer part reads the Earth's total magnetic field directly in nanoTeslas (nT) to an accuracy of ± 0.2 nT (with an instrument sensitivity of 0.05 nT and an absolute accuracy of 0.2 nT), over a range of 20,000 - 120,000 nT.

For the Bark Sampling Grid, the magnetic survey was carried out with a model G-856 proton precession magnetometer manufactured by Geometrics of San Jose, California. This instrument reads out directly in nanoTeslas (nT) to an accuracy of ± 1 nT, over a range of 20,000 - 100,000 nT. The operating temperature range is -40° to $+50^{\circ}$ C, and its gradient tolerance is up to 3,000 gammas per meter.

(b) Theory

Only two commonly occurring minerals are strongly magnetic, magnetite and pyrrhotite and therefore magnetic surveys are used to detect the presence of these minerals in varying concentrations, as follows:

- Magnetite and pyrrhotite may occur with economic mineralization on a specific property and therefore a magnetic survey may be used to locate this mineralization.
- Different rock types have different background amounts of magnetite (and pyrrhotite in some rare cases) and thus a magnetic survey can be used to map lithology. Generally, the more basic a rock-type, the more magnetite it may contain, though this is not always the case. In mapping lithology, not only is the amount of magnetite important, but also the way it may occur. For example, young basic rocks are often characterized by thumbprint-type magnetic highs and lows.

- Magnetic surveys can also be used in mapping geologic structure. For example, the action of faults and shear zones will often chemically alter magnetite and thus these will show up as lineal-shaped lows. Or, sometimes lineal-shaped highs or a lineation of highs will be reflecting a fault since a magnetite-containing magmatic fluid has intruded along a zone of weakness, being the fault.

(c) Survey Procedure

Readings of the earth’s total magnetic field were taken over two grids, the Area 3 and Bark Sampling grids, a total of 594 readings every 12.5 meters along six survey lines covering 7,325 meters. The Area 3 Grid itself consisted of 223 readings over 4 lines covering 2,712.5 meters. The Bark Sampling grid consisted of 371 readings over 2 lines covering 4,612.5 meters.

The diurnal variation both grids was monitored in the field by a GSM-19 base station.

(d) Data Reduction

The data was input into a computer. Using Geosoft software, it was next plotted with 56,000 nT subtracted from each posted value and contoured at an interval of 100 nT on a base map for the Area 3 and Bark Sampling grids (GP-1 and GP-2 respectively), with a scale of 1:5,000.

VLF-EM SURVEYS

(a) Instrumentation

The VLF-EM survey was carried out with a combination magnetometer and VLF-EM receiver, described above under “B. Magnetic Survey, (a) Instrumentation. This instrument is designed to measure the electromagnetic component of the very low frequency field (VLF-EM), which for this survey is transmitted at 24.8 kHz from Jim Creek, Washington, and at 25.2 kHz from LaMoure, which is south-east of Bismarck in the state of North Dakota.

(b) Theory

In all electromagnetic prospecting, a transmitter induces an alternating magnetic field (called the primary field) by having a strong alternating current move through a coil of wire. This primary field travels through any medium and if a conductive mass such as a sulphide body is present, the primary field induces a secondary alternating current in the conductor, and this current in turn induces a secondary magnetic field. The receiver picks up the primary field and, if a conductor is present, the secondary field distorts the primary field. The fields are expressed as a vector, which has two components, the “in-phase” (or real) component and the “out-of-phase” (or quadrature) component. For the VLF-EM receiver, the tilt angle in degrees of the distorted electromagnetic field with a conductor is measured from that which it would have been if the field was not distorted with a conductor.

Since the fields lose strength proportionally with the distance they travel, a distant conductor has less of an effect than a close conductor. Also, the lower the frequency of the primary field, the further the field can travel and therefore the greater the depth penetration.

The VLF-EM uses a frequency range from 13 to 30 kHz, whereas most EM instruments use frequencies ranging from a few hundred to a few thousand Hz. Because of its relatively high frequency, the VLF-EM can pick up bodies of a much lower conductivity and therefore is more susceptible to clay beds, electrolyte-filled fault or shear zones and porous horizons, graphite, carbonaceous sediments, lithological contacts as well as sulphide bodies of too low a conductivity for other EM methods to pick up. Consequently, the VLF-EM has additional uses in mapping structure and in picking up sulphide bodies of too low a conductivity for conventional EM methods and too small for induced polarization. (In places it can be used instead of IP). However, its susceptibility to lower conductive bodies results in a number of anomalies, many of them difficult to explain and, thus, VLF-EM preferably should not be interpreted without a good geological knowledge of the property and/or other geophysical and geochemical surveys.

(c) Survey Procedure

The total VLF-EM surveying was 408 readings taken every 12.5 meters over 5 lines covering 5,015 meters. The Area 3 grid consisted of 223 samples over 4 lines covering a total survey length of 2,715 meters. The Bark Sampling grid consisted of 185 samples over 1 line covering a total survey length of 2,300 meters.

Two transmitter stations were read and were chosen to be 24.8 kHz from Jim Creek, Washington, and 25.2 kHz from LaMoure, North Dakota.

(d) Compilation of Data

The VLF-EM data for each of the two transmitters were also edited and the in-phase was then 4-point Fraser-filtered. The Fraser-filtered data was then separately contoured and profile on two plan maps, just for the Area 3 grid due to its multiple lines (GP-3a and 3b).

All of the above data reduction was carried out using software produced by Geotronics as well as Geosoft of Toronto, Ontario.

TREE BARK GEOCHEMICAL SURVEYS

(a) Sampling Collection

The tree bark geochemical surveys took place over both the Area 3 and Bark Sampling grids and consisted of 200 samples. Only outer bark scales were sampled as the chemistry of the inner- and outer-bark can vary quite substantially.

Bark samples were composited over a radius of 5-30 meters. Selection and abundance of trees was important due to the presence of variably healthy lodgepole pines. Health of the tree was measured by looking at needle colour (green to orange), abundance of bark (fully barked or stripped in some places), insect damage (holes and burrowing), and also the presence of needles. Once six (sometimes fewer) trees were located within a 10-30 meter radius of each other, each tree trunk diameter was measured. If possible, trees with similar diameters were sampled for consistency. Sampling the bark was achieved by scraping the outside scales with a curved linoleum cutter. The linoleum cutter worked best for trees below 17 cm in width, but for larger trees a knife or a paint scraper was more efficient. Approximately 200 grams were collected amongst the six trees. Samples were then bagged into a heavy duty Ziploc freezer bag and marked. All trees sampled within a sample site were relatively healthy and somewhat similar in size. Bark sample location coordinates were taken over a UTM grid in the same locations as the magnetic and VLF-EM surveys.

(b) Sampling Procedure

The tree bark sampling consisted of two grids, the Area 3 grid and the Bark Sampling grid. The Area 3 grid consisted of 61 samples over 6 lines. Samples were taken every 50 meters over a total survey length of 2,715 meters. The Bark Sampling grid consisted of 139 samples over 4 lines. Samples were taken every 50 meters over a total survey length of 6,800 meters. The total tree bark sampling was 200 samples over 10 lines covering 9,515 meters.

(c) Analytical Methods

Bark samples were analyzed at ACME Labs Vancouver. Sample preparation procedures of bark material at AMCE Labs were to: 1) mulch and ash (470°C) the sample; and 2) analyze both the mulch and ash by Group 1F 06 Aqua Regia/ICP-MS for 65 elements (30 grams for the mulch and 15grams for the ash).

(d) Compilation of Data

The data was compiled, plotted and contoured into plan maps with a different set for each grid.

DISCUSSION OF RESULTS

The tree bark sampling revealed a copper and molybdenum anomaly of exploration interest within the western part of the Area 3 Grid.

SELECTED BIBLIOGRAPHY

- Aeroquest Surveys, 2009. Report on a Helicopter-Borne AeroTEM Electromagnetic and Magnetic Survey, Aeroquest Job # 09-004, El Toro Project, Smithers, British Columbia, NTS 93L 06, 11. Report for Lions Gate Energy Inc.
- Allen, A.R., 1978. Diamond Drill Report on the Mecca Group, Old Tom 1 & 2 and Hankin 1-16, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 07070.
- Allen, D.G., 1981. Geological and Geochemical Report on the Sunsets Creek Property B.C. Report for Redfern Resources Ltd., British Columbia Ministry of Energy and Mines assessment report 09770.
- Baird J.G., 1968. Report on ground magnetic and electromagnetic surveys on Smithers area, British Columbia, Report for Pyramid Mining Company Ltd. British Columbia Ministry of Energy and Mines assessment report 01570.
- Baird J.G., 1967. Report on induced polarization survey on some Meg, John, King, Helen and West claims, Telkwa, Report for Canadian American Mining Co. Inc. British Columbia Ministry of Energy and Mines assessment report 01086.
- BCDM, 1972. Geology, Exploration and Mining in British Columbia 1972, British Columbia Department of Mines and Petroleum Resources, GEM 1972.
- BCDM, 1971. Geology, Exploration and Mining in British Columbia 1971, British Columbia Department of Mines and Petroleum Resources, GEM 1971.
- BCDM, 1970. Geology, Exploration and Mining in British Columbia 1970, British Columbia Department of Mines and Petroleum Resources, GEM 1970.
- BCDM, 1969. Annual Report of the Ministry of Mines, British Columbia - 1968, p. 129.
- BCDM, 1963. Annual Report of the Ministry of Mines, British Columbia - 1962, p. A46.
- BCDM, 1933. Annual Report of the Ministry of Mines, British Columbia - 1932, p. 85.
- BCDM, 1915. Annual Report of the Ministry of Mines, BC – 1914, pp 222-225.
- BCDM, 1912. Annual Report of the Ministry of Mines, BC – 1911, pp 100, 110-112.
- BCDM, 1905. Annual Report of the Ministry of Mines, British Columbia -1904, p.102,125.
- BCDM, 1904. Annual Report of the Ministry of Mines, British Columbia – 1903, p. 52-53.
- BCDM, 1900. Annual Report of the Ministry of Mines, British Columbia – 1899, p. 657.
- Brown, D.H., 1968. Geophysical report on the Lava and Webster claims, Report for Falconbridge Nickel Mines Ltd. British Columbia Ministry of Energy and Mines assessment report 01880.

- Brown, D.H., 1968. Geological report on the Old Tom, Crater, Webster, Dominion, Lava, Marmot, and Dome claims, Report for Falconbridge Nickel Mines Ltd. British Columbia Ministry of Energy and Mines assessment report 01810.
- Byrne, K., 2010, Report on the 2010 Tree Bark Geochemical Program, Nation Property, Report for Teck Resources Ltd.
- Cartwright, P. A., Dispirito F., 1980. Report on the induced polarization and resistivity survey on the Copper 1-4 claims (Crater Lake) Telkwa area, B.C., Report for Mecca Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 08624A.
- Cullen, R. 1973. Dominion property South Showing - north slope of Denys Valley, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04813.
- Cullen, R. and Biss, R., 1974. Revised geological report on the Tom, T.K. claims - Scallon Creek, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04812.
- Cuttle, J., 1990. A geochemical and geological report on the JJ-1 and Barb 1-4 Mineral Claims, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04812.
- Campbell, T., 1988. Geochemical and geological report on the Houston-Tommy property, Report for Noranda Exploration Company Ltd. British Columbia Ministry of Energy and Mines assessment report 18032.
- Carter, N.C., 1974. Geology and geochronology of porphyry copper and molybdenum deposits in west central British Columbia, Unpublished Ph.D. thesis, U.B.C.
- Dawson, K.M., 2006. A re view of historical data on El Toro claims of Farshad Shirvani, 093L/5, 6, 11, Telkwa, B.C. Report for Farshad Shirvani.
- Desjardins, P., .et. al. 1990. Geology of the Thautil River Area British Columbia, Geological Survey Open File 1990-5.
- Dirom, G.E. (1967). Report on electromagnetic survey on the Fog mineral claims of Noranda Exploration Company Ltd. British Columbia, Assessment Report 01189. Eastfield Resources Ltd., 2009. Website at http://www.eastfieldresources.com/i/pdf/Zymo_Presentation.pdf .
- Ethier, D., 1989. Prospecting report on the Hunt claim, Report for Van Alphen Exploration Services Ltd. British Columbia Ministry of Energy and Mines assessment report 19555.
- Hanson, D. J., 1991. 1990 diamond drilling report on the Lefty property Mineral Claims. Report by Equity Silver Mines Limited for Atna Resources Ltd. British Columbia Ministry of Energy and Mines assessment report 21925.

- Hanson, D. J., 1990. Geology, geochemistry and geophysics on the Lefty property, BC., Report by Equity Silver Mines Limited for Atna Resources Ltd. British Columbia Ministry of Energy and Mines assessment report 20741.
- Harivel, C., 1988. The geology and geochemistry 1990 of the Silver Hill property, Report for Atna Resources Ltd. British Columbia Ministry of Energy and Mines assessment report 17488.
- Helgason, R., 1987. Geochemical reconnaissance geological report on the Kuku, Rutz and Corn claims. British Columbia Ministry of Energy and Mines assessment report 17407.
- Homeniuk, L.A. 1974. Geophysical report on the MSJ claims, Hudson's Bay Oil and Gas Co. Ltd., British Columbia Ministry of Energy and Mines assessment report 05208
- Kikuchi, T., 1985. Geophysical and geochemical report for the Dominion East showing, Deny claims, British Columbia Ministry of Energy and Mines assessment report 13191.
- Kikuchi, T., 1981. Geophysical report on a magnetic and electromagnetic survey on the Copper and Loring Creek Groups, Telkwa area, Report for Mecca Minerals Limited. British Columbia Ministry of Energy and Mines assessment report 10043.
- Kikuchi, T., 1969. Preliminary geological report on the Starr Creek property. Report for Telkwa Mountain Mines Ltd. British Columbia Ministry of Energy and Mines assessment report 02449.
- Jamieson, M.D., 1991a. Geological and geochemical sampling report on the Rainbow claims, Report by Taiga Consultants Ltd. for Skeena Resources Limited. British Columbia Ministry of Energy and Mines assessment report 21765.
- Jamieson, M.D., 1991b. Geological and geochemical sampling report on the Royal 1 and 2 claims, Report by Taiga Consultants Ltd. for Skeena Resources Limited. British Columbia Ministry of Energy and Mines assessment report 21722.
- Kenyon, J.M., 1980. Geological Summary Report of Webster 1 and 2 mineral claims. B.C. Report for Redfern Resources Ltd. Assessment report 08444.
- Mark, D. G., 1980. Geophysical report on a magnetic survey Copper Claim Group Crater Lake area B.C. Report for Mecca Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 08624B.
- MacIntyre, D.G., Desjardins, P. and Tercier, P., 1989. Jurassic stratigraphic relationships in the Babine and Telkwa Ranges (93L/10, 11, 14, 15), In British Columbia Ministry of Energy and Mines and Petroleum Resources Geological Fieldwork 1988, Paper 1989-1, pp 195-208.
- McAndrew, J. P., 1974a. Geological assessment report On Houston Tommy property - Pete claims, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04891.

- McAndrew, J. P., 1974b. Geological assessment report On Houston Tommy property – Rudy claims, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04890.
- McAndrew, J. P., Biss, R., Miskovic, E. and Cullen, R., 1973. Geological assessment report on the Marmot Group claims, Crater Lake area, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04811.
- McAndrew, J. P., Biss, R. and Miskovic, E., 1973. Geological assessment report on the Marmot Group claims, Slump Block area, Report for Maharaja Minerals Ltd. British Columbia Ministry of Energy and Mines assessment report 04831.
- Pacific Geochemical Services Ltd., 1970. Geochemical, geological and geophysical report on the Loljuh Creek property, Report for Summit Oils Ltd. BCMEMPR Assessment report 02292.
- Panteleyev, A., 1996. Epithermal Au-Ag: low sulphidation, In Selected British Columbia Mineral Deposit Profiles, Volume 2 - Metallic Deposits, Lefebvre, D.V. and Höy, T, Editors, British Columbia Ministry of Employment and Investment, Open File 1996-13, pages 41-44.
- Panteleyev, A., 1995a. Porphyry Cu±Mo±Au, in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallic and Coal, Lefebvre, D.V. and Ray, G.E., editors, British Columbia Ministry of Employment and Investment, Open File 1995-20, pp 87-92.
- Panteleyev, A., 1995b. Subvolcanic Cu-Au-Ag (As, Sb) in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallic and Coal, Lefebvre, D.V. and Ray, G.E., editors, British Columbia Ministry of Employment and Investment, Open File 1995-20, pp 79-82.
- Pardoe, A.J., 1988. Geological and geochemical report on the Sun claim. Report by Cun Management Group Inc. for Geostar Mining Corporation. British Columbia Ministry of Energy and Mines assessment report 17977.
- Pautler, J., 2009, Technical Report on the El Toro Project, Telkwa, British Columbia, Report for Lions Gate Energy Inc.
- Pauwels, A. M., 1991. Geochemical report MSJ 1-4 mineral claims. Report for Cominco Limited. British Columbia Ministry of Energy and Mines assessment report 22058.
- Pozza, M., Garrie, D., 2007. Report on a helicopter-borne AeroTEM system electromagnetic & magnetic survey, El Toro Project, Smithers area, British Columbia. Report by Aeroquest International for Lions Gate Energy Inc.
- Preto, V.A.G., 1967. Joker, PR, SQ. British Columbia Department of Mines and Petroleum Resources Annual Report 1967, pp.91-95.
- Price, B.J., 1983. Brief geological report, Duchess 1 and 2 mineral claims, Report for Joyce Lee Warren. British Columbia Ministry of Energy and Mines assessment report 12135.

- Reid, R.E., 1974. Lunlik claim group, diamond drill report, Report for Granges Exploration. British Columbia Ministry of Energy and Mines assessment report 05094.
- Richards, T.A., and Tipper, H.W., 1976. Smithers Map sheet, 93L; Geological Survey of Canada, Open File 351.
- Rutherford, J.A., 1983. Report on a geophysical and geochemical survey Crater Lake Claim Group, Report for Mecca Minerals Limited. British Columbia Ministry of Energy and Mines assessment report 11903.
- Rutherford, J.A., 1981. Geophysical report on a magnetic and electromagnetic survey on the Deny Claim Group (Dominion Basin) Houston-Telkwa Area, Report for Mecca Minerals Limited. British Columbia Ministry of Energy and Mines assessment report 10011.
- Schmidt, A. J., P. Eng., 1989. Geochemical report MSJ 1-4 mineral claims, British Columbia Ministry of Energy and Mines assessment report 19493.
- Sharp, W. M., P. Eng., 1970. Interim geological report Santa Maria - War Eagle exploration. Report for Pathfinder Resources Limited. British Columbia Ministry of Energy and Mines assessment report 03485.
- Stevenson, W. G., 1970. Geological, geochemical and geophysical report on the Joe claims, Lobell Mines Ltd. BCMEMPR Assessment Report 02893.
- Stevenson, W. G., 1966. Preliminary geological report Howson Basin. Report for Norcan Mines Ltd., British Columbia Ministry of Energy and Mines assessment report 00929.
- Sutherland Brown, A., 1967. Fog, Fly. British Columbia Minister of Mines Annual Report 1967, p 97-100.
- Tompson, W.D., 1982. Geology of the L. E. claims Hunter Basin area, Report for Lloyd Gething and Emerson Berndt. British Columbia assessment report 10918.
- Tipper, H.W. and Richards, T.A., 1976. Jurassic stratigraphy and history of north central British Columbia Geological Survey of Canada, Bulletin 270.
- White, G.E. 1972. Induced polarization and geochemical report on the Joe claims, Report for Lobell Mines Ltd. British Columbia assessment report 03874.
- Woolverton, R.W., 1969. A geological, geophysical and geochemical report on the Fog, S.L. and Sherry Groups, British Columbia Assessment Report 01922.

GEOPHYSICIST'S CERTIFICATE

I, DAVID G. MARK, of the City of Surrey, in the Province of British Columbia, do hereby certify that:

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

I am a Consulting Geophysicist of Geotronics Surveys Ltd., with offices at 6204 – 125th Street, Surrey, British Columbia.

I further certify that:

1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
2. I have been practicing my profession for the past 43 years, and have been active in the mining industry for the past 47 years.
3. This report is compiled from data obtained from VLF-EM, magnetic, and tree bark sampling surveys over two grids within the El Toro Property from November 25th to December 10th, 2011.
4. I do not hold any interest in Lions Gate Energy Inc. nor in the El Toro Property, nor in any other property of Lions Gate, nor do I expect to be receiving any interest as a result of writing this report.

David G. Mark, P.Geo.
Geophysicist

May 10th, 2012

AFFIDAVIT OF EXPENSES

Grid emplacement, magnetic, VLF-EM, and tree bark surveying was carried out over 2 grids of the El Toro Property, which occurs on Howson Creek, located 10 km south of the town of Smithers, B.C, from November 25th to December 10th 2011, to the value of the following:

<u>FIELD:</u>		
Mob/demob (Crew wages, truck rental, room and board)	\$12,500.00	
Helicopter with fuel	18,500.00	
Mag, VLF-EM, tree bark surveying, 5-man crew, 3 days @ \$3,200/day	9,600.00	
Mag, VLF-EM, tree bark surveying, 6-man crew, 5 days @ \$3,700/day	7,800.00	
Field Supervisor with room and board, 7 days @ \$450/day	<u>3,150.00</u>	
TOTAL	\$62,250.00	\$62,250.00
<u>LABORATORY:</u>		
Laboratory testing of 200 samples @ \$37/sample	\$7,400.00	\$7,400.00
<u>DATA REDUCTION and REPORT:</u>		
Data organizing and reduction	\$4,700.00	
Senior geophysicist	<u>1,500.00</u>	
TOTAL	\$6,200.00	\$6,200.00
GRAND TOTAL		\$75,850.00
Company administration @ 10%		\$7,585.00
Grand Total plus company administration		\$83,435.00

Respectfully submitted,
Geotronics Consulting Inc.

David G. Mark, P.Geo,
Geophysicist

May 10, 2012

APPENDIX –GEOCHEMISTRY DATA



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Geotronics Consulting Inc.**

6204 - 125th St.
Surrey BC V3X 2E1 Canada

Submitted By: David Mark
Receiving Lab: Canada-Vancouver
Received: December 14, 2011
Report Date: February 24, 2012
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11006956.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 207

SAMPLE DISPOSAL

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

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

Invoice To: Geotronics Consulting Inc.
6204 - 125th St.
Surrey BC V3X 2E1
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
VA475	207	Vegetation Ashing at 475	15	Completed	VAN
Split Ash from VA475	207	Analysis sample split/packet			VAN
Split Vegetation	207	Analysis sample split/packet			VAN
1F04-1F09	207	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.25	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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Client: **Geotronics Consulting Inc.**
 6204 - 125th St.
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Project: None Given
 Report Date: February 24, 2012

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04
TL1-1	Vegetation	49.73	0.997	1.33	150.4	63.38	1637	324	8.2	3.0	>10000	0.12	1.9	<0.1	8.0	<0.2	584	5.95	8.91	0.07
TL1-2	Vegetation	51.09	1.057	0.94	137.2	38.42	1860	229	9.9	2.7	>10000	0.06	0.6	<0.1	3.5	<0.2	616	6.89	2.19	0.05
TL1-3	Vegetation	49.01	0.954	1.46	152.0	26.82	2833	766	23.4	4.3	>10000	0.10	0.9	<0.1	2.9	<0.2	563	7.79	2.29	0.08
TL1-4	Vegetation	50.91	1.030	2.28	154.4	92.53	2343	1291	32.5	7.0	>10000	0.15	2.7	<0.1	6.9	<0.2	1053	9.49	1.54	0.10
TL1-5	Vegetation	50.70	0.818	1.94	174.0	112.3	2626	375	27.8	4.4	>10000	0.08	1.3	<0.1	3.1	<0.2	716	15.31	1.89	0.07
TL1-6	Vegetation	50.39	1.346	1.53	101.4	105.0	1602	107	29.0	4.6	>10000	0.03	0.9	<0.1	2.3	<0.2	850	7.57	1.79	0.06
TL1-7	Vegetation	50.22	1.092	1.78	142.2	34.98	2448	145	32.9	8.1	>10000	0.09	0.3	<0.1	<0.4	<0.2	1069	10.06	1.33	<0.04
TL1-8	Vegetation	50.44	1.093	1.50	147.9	55.13	1541	249	16.1	11.2	>10000	0.08	1.2	<0.1	1.6	<0.2	789	5.74	3.26	<0.04
TL1-9	Vegetation	50.43	1.448	1.31	116.5	35.70	1224	150	9.7	5.9	>10000	0.06	1.0	<0.1	1.4	<0.2	830	5.22	2.09	<0.04
TL1-10	Vegetation	50.91	1.486	0.87	86.85	21.36	1023	165	5.0	1.1	>10000	<0.02	0.7	<0.1	<0.4	<0.2	786	2.75	0.99	0.11
TL1-11	Vegetation	50.59	1.445	0.87	85.75	17.48	1020	110	4.0	1.5	>10000	<0.02	<0.2	<0.1	2.2	<0.2	693	2.06	1.24	0.05
TL1-12	Vegetation	50.27	1.252	1.03	113.8	20.61	1115	142	4.0	1.4	>10000	0.04	0.3	<0.1	1.2	<0.2	622	2.42	3.31	0.05
TL1-13	Vegetation	50.57	1.329	0.66	120.6	17.99	1174	199	4.1	0.5	7143	0.05	0.7	<0.1	1.1	<0.2	670	2.40	1.23	<0.04
TL1-14	Vegetation	50.07	1.228	0.74	155.0	21.03	1728	215	6.2	2.1	>10000	0.07	0.5	<0.1	1.7	<0.2	594	3.68	0.26	<0.04
TL1-15	Vegetation	50.22	1.484	0.68	108.4	10.67	1345	102	7.2	2.4	>10000	0.03	0.6	<0.1	0.5	<0.2	638	2.20	0.34	<0.04
TL1-16	Vegetation	50.15	1.187	1.32	162.3	60.16	1861	216	38.6	13.5	>10000	0.08	0.4	<0.1	0.4	<0.2	1316	7.05	0.66	<0.04
TL1-17	Vegetation	50.16	1.209	1.55	146.6	21.91	1914	181	12.6	6.4	>10000	0.08	<0.2	<0.1	<0.4	<0.2	929	6.55	0.40	<0.04
TL1-18	Vegetation	50.09	1.306	1.21	123.8	19.98	1594	177	16.0	5.8	>10000	0.05	0.4	<0.1	0.5	<0.2	815	6.66	0.63	<0.04
TL1-19	Vegetation	50.18	1.230	1.62	164.9	18.68	2641	244	11.3	3.0	>10000	0.09	0.7	<0.1	<0.4	<0.2	1028	12.93	0.41	0.04
TL1-20	Vegetation	51.01	1.585	1.79	113.5	38.17	1929	189	22.2	4.7	>10000	0.06	0.4	<0.1	<0.4	<0.2	789	9.84	0.48	0.07
TL1-21	Vegetation	50.10	1.387	1.63	126.7	32.23	1549	206	14.6	6.1	>10000	0.03	0.5	<0.1	<0.4	<0.2	739	3.61	1.04	0.36
TL1-22	Vegetation	50.07	1.424	1.78	105.9	15.00	1566	208	17.7	9.8	>10000	0.03	<0.2	<0.1	1.5	<0.2	1035	4.65	0.43	0.06
TL1-23	Vegetation	50.89	1.228	1.74	135.5	35.62	1521	199	17.6	6.3	>10000	0.07	<0.2	<0.1	0.4	<0.2	799	12.65	1.10	0.10
TL1-24	Vegetation	50.24	1.434	1.00	113.5	19.62	1578	205	15.5	2.8	>10000	0.05	0.7	<0.1	<0.4	<0.2	1011	8.70	0.70	0.06
TL1-25	Vegetation	50.08	1.155	1.93	172.0	15.14	1942	232	15.6	9.4	>10000	0.09	0.3	<0.1	0.6	<0.2	1002	19.64	0.90	0.05
OVEN STD-1	Pulp	15.32	0.384	2.42	58.62	17.28	1870	1294	17.5	0.9	>10000	0.16	6.2	2.7	<0.4	1.0	832	1.01	0.53	0.33
TL1-26	Vegetation	50.78	1.251	0.76	107.2	8.74	1122	260	9.1	0.6	>10000	0.02	0.3	<0.1	1.1	<0.2	1390	2.74	0.68	<0.04
TL1-27	Vegetation	50.91	1.312	1.08	173.1	8.99	1464	346	9.6	3.7	>10000	0.05	<0.2	<0.1	0.8	<0.2	1222	11.93	0.39	<0.04
TL1-28	Vegetation	50.45	1.062	1.16	173.1	11.08	1466	263	12.4	6.4	>10000	0.06	0.5	<0.1	<0.4	<0.2	839	3.98	0.10	<0.04
TL1-29	Vegetation	50.14	1.292	1.32	145.9	13.53	1333	228	12.7	5.5	>10000	0.06	0.4	<0.1	<0.4	<0.2	1654	5.50	0.13	<0.04

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2	
TL1-1	Vegetation	<4	26.33	2.225	1	11	2.88	5579	0.012	512	0.17	0.061	>10	0.2	<0.2	0.08	0.45	<10	<0.2	0.05	0.6
TL1-2	Vegetation	<4	25.45	2.617	<1	8	3.04	6564	0.011	434	0.64	0.050	>10	<0.1	<0.2	0.19	0.46	<10	0.4	0.06	0.6
TL1-3	Vegetation	<4	25.79	4.958	<1	4	4.31	7581	0.020	778	0.92	0.151	>10	0.2	<0.2	0.18	0.58	<10	<0.2	<0.04	1.2
TL1-4	Vegetation	<4	29.21	4.915	1	8	3.11	6697	0.022	463	0.96	0.151	>10	0.4	0.3	1.40	0.63	<10	<0.2	<0.04	1.6
TL1-5	Vegetation	<4	29.27	3.848	<1	4	3.53	3631	0.015	708	3.57	0.181	>10	<0.1	<0.2	1.08	0.76	<10	0.8	<0.04	1.3
TL1-6	Vegetation	<4	30.14	3.034	<1	3	2.84	7556	0.013	509	0.41	0.146	>10	<0.1	<0.2	0.23	0.57	<10	<0.2	<0.04	1.0
TL1-7	Vegetation	<4	27.89	3.688	<1	3	3.46	6971	0.016	446	0.53	0.158	>10	<0.1	<0.2	0.99	0.52	<10	0.2	0.04	1.3
TL1-8	Vegetation	<4	31.37	4.311	<1	7	3.58	7010	0.018	527	0.37	0.141	>10	<0.1	<0.2	1.04	0.49	<10	<0.2	<0.04	1.2
TL1-9	Vegetation	<4	36.90	2.357	<1	3	2.59	7523	0.011	454	0.50	0.161	>10	<0.1	<0.2	0.25	0.50	<10	<0.2	<0.04	1.0
TL1-10	Vegetation	<4	30.44	1.963	<1	2	1.88	3190	0.008	372	0.12	0.048	>10	<0.1	<0.2	0.04	0.35	<10	0.4	0.04	0.6
TL1-11	Vegetation	<4	31.19	1.708	<1	3	1.76	2838	0.007	394	0.08	0.043	>10	<0.1	<0.2	0.05	0.32	<10	0.3	<0.04	0.6
TL1-12	Vegetation	<4	30.46	2.026	<1	7	1.71	2852	0.009	473	0.12	0.065	>10	<0.1	<0.2	0.05	0.37	<10	0.4	0.06	0.5
TL1-13	Vegetation	<4	33.52	1.954	<1	3	1.69	3251	0.009	441	0.05	0.063	9.58	<0.1	<0.2	0.06	0.34	<10	0.3	<0.04	0.4
TL1-14	Vegetation	<4	29.05	2.731	<1	2	2.78	5042	0.012	484	0.10	0.056	>10	<0.1	<0.2	<0.04	0.52	<10	0.4	<0.04	0.6
TL1-15	Vegetation	<4	32.33	1.904	<1	3	2.00	3697	0.009	442	0.12	0.058	>10	<0.1	<0.2	0.06	0.44	<10	0.4	<0.04	0.5
TL1-16	Vegetation	<4	29.51	4.513	<1	3	2.87	8566	0.019	453	0.57	0.142	>10	<0.1	<0.2	<0.04	0.59	<10	0.3	<0.04	1.0
TL1-17	Vegetation	<4	29.81	2.971	<1	1	3.05	6557	0.012	511	0.49	0.123	8.12	<0.1	<0.2	1.33	0.50	<10	0.4	0.06	1.1
TL1-18	Vegetation	<4	35.14	2.808	<1	2	2.38	7257	0.012	464	0.57	0.134	>10	<0.1	<0.2	0.17	0.55	<10	0.5	<0.04	1.1
TL1-19	Vegetation	<4	33.48	3.853	<1	1	2.73	7822	0.015	606	0.58	0.153	>10	<0.1	<0.2	0.25	0.56	<10	0.4	<0.04	1.2
TL1-20	Vegetation	<4	36.34	3.544	<1	<1	2.44	9348	0.014	550	0.58	0.158	>10	<0.1	<0.2	0.34	0.71	<10	0.3	<0.04	1.6
TL1-21	Vegetation	<4	34.96	3.363	<1	3	2.05	9345	0.014	489	0.49	0.161	>10	<0.1	<0.2	0.48	0.59	<10	0.5	<0.04	1.2
TL1-22	Vegetation	<4	35.62	3.169	1	<1	2.35	>10000	0.012	497	0.51	0.130	9.81	<0.1	<0.2	0.57	0.56	<10	0.3	0.06	1.4
TL1-23	Vegetation	<4	34.40	3.487	<1	3	2.26	>10000	0.015	493	0.45	0.122	9.44	<0.1	<0.2	0.20	0.54	<10	0.3	<0.04	1.5
TL1-24	Vegetation	<4	30.51	2.906	<1	2	2.46	6563	0.011	511	0.47	0.152	>10	<0.1	<0.2	0.06	0.57	<10	<0.2	0.06	0.9
TL1-25	Vegetation	<4	33.44	4.385	<1	2	2.53	8501	0.018	546	0.67	0.168	>10	<0.1	<0.2	0.27	0.58	<10	0.3	<0.04	1.6
OVEN STD-1	Pulp	<4	31.41	4.290	2	6	2.95	559	0.019	602	0.21	0.201	>10	0.5	1.6	0.05	2.31	<10	0.5	<0.04	1.8
TL1-26	Vegetation	<4	25.53	2.367	<1	1	2.23	6552	0.010	449	0.14	0.039	>10	<0.1	<0.2	<0.04	0.41	<10	0.3	0.04	0.7
TL1-27	Vegetation	<4	37.45	2.652	<1	<1	1.80	960	0.010	418	0.31	0.120	7.41	<0.1	<0.2	0.06	0.64	<10	0.6	<0.04	1.0
TL1-28	Vegetation	<4	35.07	3.738	<1	<1	1.95	916	0.015	482	0.33	0.133	>10	<0.1	<0.2	0.06	0.63	<10	0.4	0.05	1.0
TL1-29	Vegetation	<4	35.94	2.999	<1	<1	2.20	3711	0.013	481	0.36	0.141	>10	<0.1	<0.2	0.10	0.60	<10	0.3	<0.04	1.0

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	
TL1-1	Vegetation	193.6	<0.2	<0.04	0.04	555.8	0.5	<0.1	<0.2	0.33	1.5	<0.04	4	<0.2	0.9	0.17	0.60	0.10	<0.04	0.16	<0.04
TL1-2	Vegetation	60.78	<0.2	<0.04	<0.04	568.2	0.2	<0.1	<0.2	0.32	0.8	<0.04	2	<0.2	0.3	0.07	0.25	0.06	<0.04	0.17	<0.04
TL1-3	Vegetation	113.4	<0.2	<0.04	0.05	728.2	0.6	<0.1	<0.2	0.48	1.0	<0.04	5	<0.2	0.5	0.08	0.34	0.08	<0.04	0.12	<0.04
TL1-4	Vegetation	37.17	<0.2	<0.04	0.09	502.0	0.4	<0.1	<0.2	1.32	1.7	<0.04	<2	<0.2	0.7	0.22	0.78	0.15	<0.04	0.30	<0.04
TL1-5	Vegetation	19.93	<0.2	<0.04	0.04	394.0	0.3	<0.1	<0.2	0.47	0.8	<0.04	<2	<0.2	0.8	0.09	0.29	0.06	<0.04	0.12	<0.04
TL1-6	Vegetation	186.6	<0.2	<0.04	<0.04	483.6	<0.2	<0.1	<0.2	0.87	0.7	<0.04	<2	<0.2	0.3	0.08	0.35	0.14	<0.04	0.21	<0.04
TL1-7	Vegetation	102.2	<0.2	<0.04	0.04	586.2	<0.2	<0.1	<0.2	1.27	0.9	<0.04	<2	<0.2	0.4	0.13	0.45	0.13	<0.04	0.20	<0.04
TL1-8	Vegetation	41.62	<0.2	<0.04	<0.04	481.2	0.3	<0.1	<0.2	0.35	0.6	<0.04	<2	<0.2	0.4	0.07	0.31	0.08	<0.04	0.13	<0.04
TL1-9	Vegetation	39.01	<0.2	<0.04	0.04	383.1	<0.2	<0.1	<0.2	0.30	0.6	<0.04	<2	<0.2	0.5	0.09	0.28	0.06	<0.04	0.20	<0.04
TL1-10	Vegetation	6.77	<0.2	<0.04	<0.04	260.5	<0.2	<0.1	<0.2	0.22	0.4	<0.04	<2	<0.2	<0.2	0.06	0.20	0.04	<0.04	0.07	<0.04
TL1-11	Vegetation	6.76	<0.2	<0.04	<0.04	202.3	<0.2	<0.1	<0.2	0.17	0.3	<0.04	<2	<0.2	0.3	<0.04	0.14	<0.04	<0.04	0.06	<0.04
TL1-12	Vegetation	4.75	<0.2	<0.04	<0.04	173.9	0.2	<0.1	<0.2	0.21	0.5	<0.04	<2	<0.2	0.3	0.07	0.22	0.04	<0.04	0.08	<0.04
TL1-13	Vegetation	2.42	<0.2	<0.04	<0.04	139.3	<0.2	<0.1	<0.2	0.17	0.5	<0.04	<2	<0.2	0.4	0.05	0.18	0.06	<0.04	0.07	<0.04
TL1-14	Vegetation	6.01	<0.2	<0.04	<0.04	238.0	<0.2	<0.1	<0.2	0.19	0.4	<0.04	2	<0.2	0.4	<0.04	0.11	0.05	<0.04	0.09	<0.04
TL1-15	Vegetation	9.34	<0.2	<0.04	<0.04	210.7	<0.2	<0.1	<0.2	0.19	0.4	<0.04	2	<0.2	0.4	0.04	0.25	<0.04	<0.04	0.09	<0.04
TL1-16	Vegetation	12.83	<0.2	<0.04	<0.04	376.8	<0.2	<0.1	<0.2	0.51	0.6	<0.04	<2	<0.2	0.6	0.08	0.25	0.09	<0.04	0.11	<0.04
TL1-17	Vegetation	13.58	<0.2	<0.04	<0.04	291.7	<0.2	<0.1	<0.2	0.77	0.6	<0.04	4	<0.2	0.5	0.08	0.41	0.09	<0.04	0.21	<0.04
TL1-18	Vegetation	2.56	<0.2	<0.04	0.05	146.9	<0.2	<0.1	<0.2	0.92	0.5	<0.04	<2	<0.2	0.3	0.10	0.41	0.11	<0.04	0.18	<0.04
TL1-19	Vegetation	3.97	<0.2	<0.04	<0.04	214.5	<0.2	<0.1	<0.2	0.80	0.7	<0.04	<2	<0.2	0.5	0.10	0.37	0.08	<0.04	0.16	<0.04
TL1-20	Vegetation	5.39	<0.2	<0.04	0.05	264.7	<0.2	<0.1	<0.2	0.60	0.5	<0.04	2	<0.2	0.6	0.07	0.24	0.06	<0.04	0.09	<0.04
TL1-21	Vegetation	4.76	<0.2	<0.04	<0.04	234.1	<0.2	<0.1	<0.2	0.57	0.7	<0.04	<2	<0.2	0.5	0.08	0.29	0.10	<0.04	0.21	<0.04
TL1-22	Vegetation	3.30	<0.2	<0.04	0.04	193.5	<0.2	<0.1	<0.2	1.14	0.8	<0.04	<2	<0.2	<0.2	0.11	0.42	0.06	<0.04	0.17	<0.04
TL1-23	Vegetation	1.92	<0.2	<0.04	<0.04	158.9	<0.2	<0.1	<0.2	0.94	0.9	<0.04	<2	<0.2	0.5	0.11	0.49	0.08	<0.04	0.13	<0.04
TL1-24	Vegetation	1.97	<0.2	<0.04	<0.04	121.0	<0.2	<0.1	<0.2	0.66	0.5	<0.04	2	<0.2	0.3	0.11	0.47	<0.04	<0.04	0.12	<0.04
TL1-25	Vegetation	3.57	<0.2	<0.04	<0.04	168.8	<0.2	<0.1	<0.2	1.15	0.8	<0.04	2	<0.2	0.6	0.13	0.45	0.09	<0.04	0.17	<0.04
OVEN STD-1	Pulp	4.38	<0.2	<0.04	0.11	312.4	5.7	<0.1	0.3	0.64	4.6	<0.04	3	0.4	2.8	0.45	1.58	0.20	<0.04	0.26	<0.04
TL1-26	Vegetation	1.36	<0.2	<0.04	<0.04	98.3	<0.2	<0.1	<0.2	0.36	0.4	<0.04	<2	<0.2	<0.2	0.05	0.23	0.05	0.05	0.12	<0.04
TL1-27	Vegetation	2.45	<0.2	<0.04	<0.04	86.5	<0.2	<0.1	<0.2	0.50	0.5	<0.04	<2	<0.2	<0.2	0.08	0.28	0.07	<0.04	0.12	<0.04
TL1-28	Vegetation	4.33	<0.2	<0.04	<0.04	188.4	<0.2	<0.1	<0.2	0.38	0.4	<0.04	3	<0.2	0.4	0.05	0.27	0.06	<0.04	0.09	<0.04
TL1-29	Vegetation	7.16	<0.2	<0.04	0.04	194.0	<0.2	<0.1	<0.2	0.38	0.5	<0.04	<2	<0.2	0.5	0.06	0.27	0.09	<0.04	0.14	<0.04

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
TL1-1	Vegetation	0.05	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
TL1-2	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
TL1-3	Vegetation	0.06	<0.04	0.04	<0.04	0.07	<0.04	<20	<4
TL1-4	Vegetation	0.15	<0.04	0.07	<0.04	0.10	<0.04	<20	<4
TL1-5	Vegetation	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-6	Vegetation	0.07	<0.04	0.04	<0.04	0.10	<0.04	<20	<4
TL1-7	Vegetation	0.11	<0.04	0.08	<0.04	0.08	<0.04	<20	<4
TL1-8	Vegetation	0.06	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
TL1-9	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
TL1-10	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL1-11	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-12	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL1-13	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
TL1-14	Vegetation	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-15	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
TL1-16	Vegetation	0.09	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
TL1-17	Vegetation	0.14	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
TL1-18	Vegetation	0.08	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-19	Vegetation	0.09	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL1-20	Vegetation	0.07	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL1-21	Vegetation	0.10	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-22	Vegetation	0.10	<0.04	0.05	<0.04	0.07	<0.04	<20	<4
TL1-23	Vegetation	0.07	<0.04	0.05	<0.04	<0.04	<0.04	<20	<4
TL1-24	Vegetation	0.09	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL1-25	Vegetation	0.11	<0.04	0.04	<0.04	0.05	<0.04	<20	<4
OVEN STD-1	Pulp	0.14	<0.04	0.04	<0.04	0.06	<0.04	<20	<4
TL1-26	Vegetation	<0.04	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
TL1-27	Vegetation	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-28	Vegetation	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-29	Vegetation	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
TL1-30	Vegetation		50.03	1.065	1.33	179.7	13.21	1411	315	16.0	5.4	>10000	0.11	0.3	<0.1	0.6	<0.2	899	8.99	0.15	<0.04
TL1-31	Vegetation		50.60	1.440	0.82	93.93	13.58	1055	104	6.0	3.3	>10000	0.06	<0.2	<0.1	1.1	<0.2	666	4.36	0.47	<0.04
TL1-33	Vegetation		50.62	1.395	0.51	131.6	17.95	1607	198	9.0	1.4	9057	0.03	0.3	<0.1	0.8	<0.2	980	2.23	0.07	<0.04
TL1-34	Vegetation		50.44	1.335	0.36	132.2	18.64	1468	225	10.3	0.8	3440	<0.02	<0.2	<0.1	1.5	<0.2	1002	0.67	0.13	<0.04
TL1-35	Vegetation		50.44	1.259	0.61	114.9	23.90	1533	188	8.2	0.9	>10000	0.03	0.3	<0.1	1.4	<0.2	821	2.17	0.58	<0.04
TL1-36	Vegetation		50.65	1.226	0.60	110.2	21.82	1004	93	7.7	1.0	6656	0.03	<0.2	<0.1	1.0	<0.2	815	4.79	0.28	<0.04
TL1-37	Vegetation		50.31	1.266	0.79	105.3	23.92	956.5	171	7.7	4.5	>10000	0.26	1.0	<0.1	15.3	<0.2	720	2.47	0.46	0.09
TL1-38	Vegetation		50.09	1.284	0.55	133.6	23.43	1430	155	3.4	1.3	8389	0.26	0.8	<0.1	4.7	<0.2	546	4.64	0.27	0.05
TL1-39	Vegetation		50.45	1.422	1.80	110.5	51.34	1478	172	19.9	10.0	>10000	0.22	1.5	<0.1	6.3	<0.2	476	5.53	0.34	<0.04
TL1-40	Vegetation		50.67	1.087	1.74	151.6	18.00	1759	272	26.5	12.7	>10000	0.25	0.4	<0.1	3.2	<0.2	649	7.02	0.18	<0.04
TL1-41	Vegetation		50.68	0.941	2.60	195.1	32.39	1802	432	54.9	18.2	>10000	0.30	1.1	<0.1	3.8	<0.2	1078	5.41	0.44	<0.04
TL1-42	Vegetation		50.50	1.309	1.60	86.29	41.24	1252	137	26.8	2.8	>10000	0.20	0.6	<0.1	2.2	<0.2	791	3.07	0.46	<0.04
TL1-43	Vegetation		50.69	1.097	1.34	111.6	40.90	1532	198	27.0	6.4	>10000	0.18	0.4	<0.1	6.5	<0.2	724	9.47	0.42	0.08
TL1-44	Vegetation		50.83	1.165	0.85	95.23	29.07	1222	183	24.0	4.0	>10000	0.17	0.6	<0.1	2.7	<0.2	765	16.04	0.31	<0.04
TL1-45	Vegetation		50.74	0.998	4.64	145.8	60.94	1479	600	26.8	4.3	>10000	0.69	7.1	0.6	33.0	1.5	728	8.64	1.50	1.59
MF-1	Vegetation		50.81	1.220	0.53	119.9	36.73	2362	447	6.9	2.4	>10000	0.16	1.7	<0.1	5.1	<0.2	561	6.86	0.58	<0.04
MF-2	Vegetation		50.26	1.322	0.60	126.0	22.62	2389	409	10.6	3.1	>10000	0.17	1.0	<0.1	3.4	<0.2	632	15.87	0.66	<0.04
MF-3	Vegetation		50.60	1.087	1.06	110.9	34.84	1904	225	12.5	4.7	>10000	0.26	1.1	<0.1	1.8	<0.2	699	6.70	0.72	<0.04
MF-4	Vegetation		50.23	1.088	0.99	134.1	14.98	1548	224	7.1	4.2	>10000	0.25	0.2	<0.1	1.4	<0.2	610	9.09	0.58	<0.04
MF-5	Vegetation		50.78	1.041	0.87	103.3	24.09	1408	175	8.6	2.6	>10000	0.24	<0.2	<0.1	1.5	<0.2	857	9.25	0.32	<0.04
MF-6	Vegetation		50.15	1.027	0.83	110.8	19.20	1541	449	12.2	3.3	>10000	0.24	0.3	<0.1	1.7	<0.2	776	14.51	0.24	<0.04
OVEN STD-1	Pulp		15.54	0.396	1.54	42.20	11.31	1457	961	10.8	1.1	>10000	0.30	3.6	2.3	1.9	1.0	582	0.40	0.46	0.15
MF-7	Vegetation		50.46	1.180	0.91	97.93	24.98	1213	152	18.9	3.0	>10000	0.26	0.7	<0.1	0.6	<0.2	609	16.85	0.28	<0.04
MF-8	Vegetation		50.60	1.018	0.97	108.0	30.87	1633	480	21.3	3.6	>10000	0.22	0.5	<0.1	1.3	<0.2	498	19.09	0.25	<0.04
MF-9	Vegetation		50.06	1.274	1.39	121.1	22.04	1553	134	25.9	5.7	>10000	0.26	1.2	<0.1	<0.4	<0.2	645	7.48	0.28	0.05
MF-10	Vegetation		50.83	1.113	1.00	95.54	11.92	1344	106	15.3	7.3	>10000	0.26	0.3	<0.1	0.6	<0.2	769	7.84	0.37	<0.04
MF-11	Vegetation		50.16	1.024	1.12	112.5	26.66	1515	122	36.1	6.7	>10000	0.25	0.4	<0.1	<0.4	<0.2	902	2.98	2.13	<0.04
MF-12	Vegetation		50.66	1.252	0.73	113.5	14.07	1292	189	10.1	4.9	>10000	0.27	0.3	<0.1	<0.4	<0.2	895	4.68	0.38	<0.04
MF-13	Vegetation		50.48	1.287	0.96	119.2	13.01	1210	207	8.0	3.0	>10000	0.28	0.6	<0.1	0.5	<0.2	687	7.81	0.27	<0.04
MF-14	Vegetation		50.40	1.436	0.85	78.64	28.89	1047	131	3.5	3.5	>10000	0.23	0.5	<0.1	<0.4	<0.2	592	4.32	0.15	<0.04

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Tl	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
TL1-30	Vegetation			<4	33.36	3.992	<1	<1	2.42	8202	0.015	494	0.40	0.127	>10	<0.1	<0.2	0.85	0.65	13	0.4	<0.04	1.0
TL1-31	Vegetation			<4	31.03	1.947	<1	2	1.47	5313	0.008	352	0.14	0.033	9.87	<0.1	<0.2	0.59	0.34	<10	0.4	<0.04	0.7
TL1-33	Vegetation			<4	29.89	2.191	<1	<1	1.70	7844	0.009	392	0.06	0.026	>10	<0.1	<0.2	0.35	0.45	<10	0.4	<0.04	0.5
TL1-34	Vegetation			<4	30.97	1.769	<1	2	1.98	3828	0.007	357	0.03	0.020	>10	<0.1	<0.2	0.15	0.44	<10	0.4	<0.04	0.3
TL1-35	Vegetation			<4	28.96	3.029	<1	2	1.98	5981	0.012	427	0.10	0.043	>10	<0.1	<0.2	0.76	0.42	<10	0.3	<0.04	0.5
TL1-36	Vegetation			<4	28.37	2.692	<1	1	2.04	4069	0.011	435	0.11	0.024	>10	<0.1	<0.2	0.09	0.46	<10	0.4	<0.04	0.5
TL1-37	Vegetation			<4	31.02	3.223	<1	3	2.25	3945	0.009	334	0.15	0.036	>10	<0.1	0.2	1.07	0.36	<10	<0.2	<0.04	0.3
TL1-38	Vegetation			<4	32.30	2.777	<1	2	2.12	4539	0.008	410	0.07	0.035	>10	<0.1	<0.2	0.39	0.37	<10	<0.2	<0.04	0.3
TL1-39	Vegetation			<4	27.03	3.554	<1	3	2.04	4737	0.011	339	0.46	0.036	>10	0.2	<0.2	2.27	0.46	<10	<0.2	<0.04	0.9
TL1-40	Vegetation			<4	24.83	>5	<1	1	2.61	6654	0.013	343	0.62	0.026	>10	<0.1	<0.2	4.09	0.47	<10	<0.2	<0.04	0.9
TL1-41	Vegetation			<4	21.23	4.386	<1	2	3.85	4313	0.012	363	0.57	0.032	>10	0.1	<0.2	5.88	0.70	<10	<0.2	<0.04	1.1
TL1-42	Vegetation			<4	23.28	3.986	<1	2	2.53	6881	0.010	367	0.48	0.037	>10	<0.1	<0.2	4.05	0.36	<10	<0.2	<0.04	0.8
TL1-43	Vegetation			<4	22.46	4.111	<1	3	2.33	6314	0.025	345	0.46	0.125	>10	0.1	<0.2	1.73	0.39	16	<0.2	<0.04	2.1
TL1-44	Vegetation			<4	20.81	3.075	<1	2	2.48	5984	0.018	283	0.31	0.060	>10	<0.1	<0.2	0.24	0.31	<10	<0.2	0.07	1.2
TL1-45	Vegetation			10	15.55	2.820	3	28	2.40	4013	0.038	230	0.45	0.070	>10	1.3	0.4	1.69	0.41	82	0.7	1.29	1.7
MF-1	Vegetation			<4	24.04	1.827	<1	3	2.81	7541	0.011	286	0.28	0.078	>10	<0.1	<0.2	0.15	0.30	<10	<0.2	0.05	0.8
MF-2	Vegetation			<4	25.19	1.584	<1	2	1.93	5468	0.009	311	0.09	0.078	>10	<0.1	<0.2	0.07	0.23	<10	<0.2	<0.04	0.8
MF-3	Vegetation			<4	29.35	2.789	<1	7	2.31	7357	0.008	502	0.31	0.052	>10	<0.1	0.2	0.30	0.38	<10	<0.2	<0.04	0.5
MF-4	Vegetation			<4	27.81	2.867	<1	3	2.61	7009	0.008	448	0.16	0.045	>10	<0.1	<0.2	0.28	0.30	<10	0.3	<0.04	0.5
MF-5	Vegetation			<4	29.06	2.886	<1	5	2.90	4928	0.007	490	0.20	0.062	>10	<0.1	<0.2	0.11	0.26	<10	0.2	<0.04	0.4
MF-6	Vegetation			<4	27.25	2.878	<1	3	3.34	6113	0.007	543	0.46	0.064	>10	<0.1	<0.2	0.07	0.41	<10	<0.2	<0.04	0.5
OVEN STD-1	Pulp			<4	26.82	3.353	2	4	2.46	1216	0.010	369	0.15	0.093	>10	0.4	2.0	0.09	1.15	<10	0.3	<0.04	0.8
MF-7	Vegetation			<4	29.79	3.049	<1	8	2.06	6955	0.007	326	0.32	0.061	>10	<0.1	<0.2	0.19	0.34	<10	<0.2	<0.04	0.5
MF-8	Vegetation			<4	27.25	3.255	<1	2	2.54	4378	0.008	383	1.65	0.056	>10	0.1	0.2	0.31	0.47	<10	<0.2	<0.04	0.5
MF-9	Vegetation			<4	27.09	4.383	<1	7	2.44	3744	0.011	363	0.60	0.071	>10	<0.1	0.2	1.69	0.48	<10	0.2	<0.04	0.8
MF-10	Vegetation			<4	29.04	3.508	<1	4	3.11	4729	0.009	395	0.34	0.067	>10	<0.1	<0.2	0.78	0.40	<10	<0.2	<0.04	0.5
MF-11	Vegetation			<4	25.65	4.263	<1	2	3.29	5115	0.010	401	0.54	0.083	>10	<0.1	<0.2	0.60	0.50	<10	<0.2	<0.04	0.7
MF-12	Vegetation			<4	31.98	3.380	<1	2	2.07	4806	0.008	412	0.23	0.053	>10	<0.1	<0.2	0.74	0.42	<10	<0.2	<0.04	0.5
MF-13	Vegetation			<4	31.35	3.355	<1	2	1.84	5546	0.008	424	0.23	0.064	>10	<0.1	<0.2	0.27	0.49	<10	<0.2	<0.04	0.5
MF-14	Vegetation			<4	31.23	1.915	<1	2	1.65	4352	0.005	419	0.24	0.047	>10	<0.1	<0.2	0.13	0.37	<10	<0.2	<0.04	0.5

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method Analyte	Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	
TL1-30	Vegetation	9.64	<0.2	<0.04	<0.04	268.8	<0.2	<0.1	<0.2	0.21	0.3	<0.04	<2	<0.2	0.3	<0.04	0.14	<0.04	<0.04	<0.04	
TL1-31	Vegetation	5.59	<0.2	<0.04	<0.04	163.1	<0.2	<0.1	<0.2	0.18	0.4	<0.04	<2	<0.2	0.2	0.04	0.20	<0.04	<0.04	0.05	<0.04
TL1-33	Vegetation	8.17	<0.2	<0.04	<0.04	183.0	<0.2	<0.1	<0.2	0.14	0.2	<0.04	<2	<0.2	<0.2	<0.04	0.07	<0.04	<0.04	0.07	<0.04
TL1-34	Vegetation	1.88	<0.2	<0.04	<0.04	118.2	<0.2	<0.1	<0.2	0.14	0.3	<0.04	<2	<0.2	0.2	<0.04	0.13	<0.04	<0.04	0.10	<0.04
TL1-35	Vegetation	6.77	<0.2	<0.04	<0.04	205.2	<0.2	<0.1	<0.2	0.17	0.3	<0.04	3	<0.2	0.3	0.05	0.17	<0.04	<0.04	0.07	<0.04
TL1-36	Vegetation	7.78	<0.2	<0.04	<0.04	320.7	<0.2	<0.1	<0.2	0.13	<0.2	<0.04	<2	<0.2	<0.2	<0.04	0.12	<0.04	<0.04	0.10	<0.04
TL1-37	Vegetation	8.07	0.3	<0.04	0.05	158.1	0.2	<0.1	<0.2	0.33	0.4	0.11	<2	<0.2	0.3	0.09	0.23	0.09	0.20	0.14	<0.04
TL1-38	Vegetation	8.48	0.2	<0.04	<0.04	201.2	<0.2	<0.1	<0.2	0.14	0.4	<0.04	<2	<0.2	1.5	0.05	0.22	<0.04	0.05	<0.04	<0.04
TL1-39	Vegetation	10.50	0.2	<0.04	<0.04	192.5	<0.2	<0.1	<0.2	0.55	0.5	<0.04	<2	<0.2	0.4	0.10	0.42	0.10	0.27	0.19	<0.04
TL1-40	Vegetation	23.75	0.3	<0.04	<0.04	307.4	<0.2	<0.1	<0.2	0.29	0.4	<0.04	<2	<0.2	0.2	0.07	0.15	0.09	<0.04	0.16	<0.04
TL1-41	Vegetation	46.54	0.4	<0.04	<0.04	388.4	<0.2	<0.1	<0.2	0.32	0.6	<0.04	<2	<0.2	0.3	0.10	0.27	0.07	0.09	0.11	<0.04
TL1-42	Vegetation	22.19	0.4	<0.04	<0.04	313.3	<0.2	<0.1	<0.2	0.91	0.6	<0.04	<2	<0.2	3.0	0.11	0.40	0.11	<0.04	0.28	<0.04
TL1-43	Vegetation	21.24	0.3	<0.04	0.06	345.6	<0.2	<0.1	<0.2	0.40	0.5	<0.04	6	<0.2	<0.2	0.04	0.28	0.17	0.26	0.15	<0.04
TL1-44	Vegetation	9.43	<0.2	<0.04	<0.04	258.1	<0.2	<0.1	<0.2	0.41	0.3	<0.04	3	<0.2	<0.2	0.05	0.20	0.15	0.17	0.32	<0.04
TL1-45	Vegetation	38.56	<0.2	<0.04	0.62	418.2	1.6	<0.1	<0.2	1.26	4.7	0.46	16	0.4	5.7	0.51	2.19	0.28	0.44	0.34	<0.04
MF-1	Vegetation	54.11	<0.2	<0.04	<0.04	348.0	<0.2	<0.1	<0.2	0.21	0.2	<0.04	3	<0.2	<0.2	<0.04	0.10	0.05	<0.04	0.22	<0.04
MF-2	Vegetation	6.41	<0.2	<0.04	<0.04	221.2	<0.2	<0.1	<0.2	0.13	0.2	<0.04	5	<0.2	<0.2	<0.04	0.06	0.10	0.08	0.10	<0.04
MF-3	Vegetation	13.56	0.4	<0.04	<0.04	247.3	0.2	<0.1	<0.2	0.31	0.5	<0.04	<2	<0.2	0.4	0.09	0.20	0.09	0.28	0.22	<0.04
MF-4	Vegetation	12.50	0.3	<0.04	<0.04	236.1	<0.2	<0.1	<0.2	0.22	0.3	<0.04	<2	<0.2	<0.2	0.05	0.18	0.07	0.71	0.17	<0.04
MF-5	Vegetation	23.28	0.2	<0.04	<0.04	327.6	<0.2	<0.1	<0.2	0.17	0.3	<0.04	<2	<0.2	0.8	<0.04	0.13	0.06	0.11	0.13	<0.04
MF-6	Vegetation	20.00	0.4	<0.04	<0.04	345.3	<0.2	<0.1	<0.2	0.19	0.3	<0.04	<2	<0.2	1.1	<0.04	0.13	0.07	0.14	0.09	<0.04
OVEN STD-1	Pulp	3.33	0.3	<0.04	0.06	226.1	4.0	<0.1	<0.2	0.45	3.5	<0.04	<2	<0.2	2.3	0.37	1.12	0.25	0.04	0.16	<0.04
MF-7	Vegetation	23.58	0.3	<0.04	<0.04	310.5	0.3	<0.1	<0.2	0.67	0.3	<0.04	<2	<0.2	<0.2	0.08	0.24	0.09	0.25	0.09	<0.04
MF-8	Vegetation	11.93	0.3	<0.04	<0.04	272.9	<0.2	<0.1	<0.2	1.10	0.3	<0.04	<2	<0.2	0.2	0.10	0.38	0.06	0.32	0.24	<0.04
MF-9	Vegetation	29.41	0.3	<0.04	<0.04	357.4	<0.2	<0.1	<0.2	0.38	0.4	<0.04	<2	<0.2	0.3	0.06	0.21	<0.04	0.30	0.09	<0.04
MF-10	Vegetation	87.37	0.2	<0.04	<0.04	294.0	<0.2	<0.1	<0.2	0.26	0.3	<0.04	<2	<0.2	0.5	<0.04	0.09	<0.04	0.16	0.10	<0.04
MF-11	Vegetation	25.70	0.4	<0.04	<0.04	346.9	<0.2	<0.1	<0.2	0.33	0.4	<0.04	<2	<0.2	3.6	0.06	0.20	0.05	0.38	0.15	<0.04
MF-12	Vegetation	10.87	0.3	<0.04	<0.04	218.8	<0.2	<0.1	<0.2	0.46	0.3	<0.04	<2	<0.2	<0.2	0.04	0.22	0.13	0.25	0.12	<0.04
MF-13	Vegetation	13.87	0.3	<0.04	<0.04	222.6	<0.2	<0.1	<0.2	0.23	0.3	<0.04	<2	<0.2	<0.2	<0.04	0.09	0.04	0.21	0.14	<0.04
MF-14	Vegetation	4.10	0.3	<0.04	<0.04	141.8	<0.2	<0.1	<0.2	0.20	0.3	<0.04	<2	<0.2	<0.2	<0.04	0.08	<0.04	0.28	0.09	<0.04

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



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
				0.04	0.04	0.04	0.04	0.04	0.04	20	4
TL1-30	Vegetation			0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-31	Vegetation			<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-33	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-34	Vegetation			<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
TL1-35	Vegetation			<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-36	Vegetation			<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL1-37	Vegetation			<0.04	0.06	<0.04	<0.04	0.05	0.05	<20	<4
TL1-38	Vegetation			<0.04	<0.04	0.05	<0.04	0.08	<0.04	<20	<4
TL1-39	Vegetation			<0.04	<0.04	0.04	<0.04	0.08	<0.04	<20	<4
TL1-40	Vegetation			<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
TL1-41	Vegetation			<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
TL1-42	Vegetation			0.11	<0.04	0.05	<0.04	0.06	<0.04	<20	<4
TL1-43	Vegetation			0.07	<0.04	0.05	<0.04	0.07	<0.04	<20	4
TL1-44	Vegetation			<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	5
TL1-45	Vegetation			0.41	<0.04	0.04	<0.04	0.16	<0.04	<20	86
MF-1	Vegetation			<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF-2	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-3	Vegetation			<0.04	<0.04	0.05	<0.04	0.05	<0.04	<20	<4
MF-4	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-5	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-6	Vegetation			<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
OVEN STD-1	Pulp			0.10	<0.04	0.06	<0.04	<0.04	<0.04	<20	<4
MF-7	Vegetation			0.08	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF-8	Vegetation			0.07	<0.04	0.06	<0.04	0.06	<0.04	<20	<4
MF-9	Vegetation			0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-10	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-11	Vegetation			<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
MF-12	Vegetation			<0.04	<0.04	0.04	<0.04	0.04	<0.04	<20	<4
MF-13	Vegetation			<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-14	Vegetation			<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
MF-15	Vegetation		50.75	1.221	0.70	93.03	29.18	1210	148	5.2	1.9	>10000	0.31	0.9	<0.1	0.9	<0.2	708	3.27	0.52	<0.04
MF-16	Vegetation		50.83	1.315	0.78	82.91	25.37	1464	173	4.2	1.7	>10000	0.29	0.9	<0.1	1.2	<0.2	697	2.48	0.34	<0.04
MF-17	Vegetation		50.60	1.251	0.75	147.1	62.36	1353	335	4.0	1.7	>10000	0.31	1.1	<0.1	0.6	<0.2	829	2.42	0.29	<0.04
MF-18	Vegetation		50.62	1.356	0.80	107.2	17.01	1307	179	14.7	5.3	>10000	0.26	<0.2	<0.1	0.5	<0.2	547	6.89	0.21	<0.04
MF-19	Vegetation		50.66	1.210	0.72	105.8	30.45	1251	245	8.9	1.3	>10000	0.25	0.4	<0.1	<0.4	<0.2	670	3.25	0.21	<0.04
MF-20	Vegetation		50.41	1.025	1.08	156.0	29.32	1464	294	13.5	8.2	>10000	0.34	1.5	<0.1	0.5	<0.2	815	8.40	0.30	<0.04
MF-21	Vegetation		49.85	1.398	0.84	101.9	25.38	1360	172	7.4	3.5	>10000	0.28	1.5	<0.1	<0.4	<0.2	855	5.38	0.19	<0.04
MF-22	Vegetation		50.08	1.143	0.69	136.7	35.13	1276	209	11.6	2.6	>10000	0.28	0.5	<0.1	1.5	<0.2	926	6.97	0.23	<0.04
MF-23	Vegetation		50.10	1.528	0.82	82.24	17.31	916.5	126	16.8	7.5	>10000	0.26	0.7	<0.1	<0.4	<0.2	786	5.28	0.15	<0.04
MF-24	Vegetation		50.48	1.417	0.92	77.44	70.01	1230	115	13.2	1.8	>10000	0.24	<0.2	<0.1	0.5	<0.2	840	5.93	0.45	<0.04
MF-25	Vegetation		50.35	1.050	1.20	135.6	130.7	1138	243	13.7	4.5	>10000	0.22	1.0	<0.1	<0.4	<0.2	791	3.56	0.72	<0.04
MF-26	Vegetation		50.70	1.215	1.26	151.6	34.28	1307	279	14.6	3.5	>10000	0.25	0.6	<0.1	2.4	<0.2	1004	13.65	2.21	0.05
MF-27	Vegetation		50.79	1.181	1.39	129.0	20.66	1231	184	17.0	3.4	>10000	0.08	0.6	<0.1	5.8	<0.2	847	9.61	0.40	<0.04
MF-28	Vegetation		50.14	1.146	1.72	130.6	61.60	1232	253	27.1	5.5	>10000	0.06	1.0	<0.1	0.8	<0.2	862	13.20	0.51	<0.04
MF-29	Vegetation		50.85	1.028	1.83	149.0	95.88	1239	255	25.1	12.0	>10000	0.07	0.4	<0.1	1.2	<0.2	791	12.88	0.40	<0.04
MF-30	Vegetation		50.38	1.501	0.61	111.7	21.86	1049	254	13.6	3.2	>10000	0.10	0.8	<0.1	1.5	<0.2	998	5.02	0.28	<0.04
MF-31	Vegetation		50.70	1.209	0.94	117.4	24.96	1228	181	19.8	10.2	>10000	0.13	0.9	<0.1	1.5	<0.2	799	7.16	0.47	<0.04
OVEN STD-1	Pulp		16.47	0.452	1.07	43.71	12.00	1571	996	14.2	0.8	>10000	0.18	3.0	2.1	0.8	1.1	601	0.56	0.40	0.21
MF-32	Vegetation		50.65	1.062	0.70	172.1	25.92	1339	325	21.4	12.6	>10000	0.14	0.3	<0.1	1.1	<0.2	535	9.90	0.25	0.05
MF-33	Vegetation		50.82	1.291	0.72	126.5	16.46	1471	195	17.9	12.8	>10000	0.15	0.2	<0.1	2.5	<0.2	444	3.93	0.20	0.06
MF-1-34	Vegetation		50.35	1.296	1.01	89.22	39.92	1502	204	14.5	5.5	>10000	0.14	0.6	<0.1	1.4	<0.2	824	3.01	0.46	0.05
MF-1-35	Vegetation		50.82	1.313	0.53	142.5	34.55	1558	351	4.0	1.4	5247	0.10	0.9	<0.1	1.7	<0.2	517	1.81	0.38	<0.04
MF-1-36	Vegetation		50.59	1.416	0.40	112.0	30.41	1274	169	22.7	2.5	5620	0.11	<0.2	<0.1	<0.4	<0.2	679	0.93	0.40	<0.04
MF-1-37	Vegetation		50.65	1.197	0.52	110.8	23.44	1279	261	10.2	7.4	>10000	0.12	0.7	<0.1	0.8	<0.2	547	1.16	0.31	<0.04
MF-1-38	Vegetation		50.68	1.143	1.02	176.1	30.28	2207	373	32.7	16.9	>10000	0.15	1.1	<0.1	1.4	<0.2	427	11.56	0.42	<0.04
MF-1-39	Vegetation		50.59	1.338	0.70	117.3	34.20	1570	602	29.6	9.7	>10000	0.11	0.6	<0.1	2.8	<0.2	516	7.19	0.89	<0.04
MF-1-40	Vegetation		50.63	1.233	0.91	139.0	30.42	1572	194	34.7	10.6	>10000	0.13	0.2	<0.1	2.8	<0.2	846	1.83	0.41	0.05
MF-1-41	Vegetation		50.99	1.193	1.36	133.8	28.80	3022	178	72.0	10.1	>10000	0.13	0.8	<0.1	4.6	<0.2	937	3.01	0.18	0.08
MF-1-42	Vegetation		50.38	1.095	0.71	124.9	26.42	1674	330	29.6	7.4	>10000	0.13	1.0	<0.1	2.1	<0.2	540	3.06	0.68	<0.04
MF-1-43	Vegetation		50.92	1.138	0.94	112.8	17.44	1232	78	36.4	7.5	>10000	0.16	0.9	<0.1	0.6	<0.2	1005	1.39	0.39	<0.04

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



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 Report Date: February 24, 2012

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
MF-15	Vegetation			<4	30.32	2.288	<1	3	1.91	4931	0.007	505	0.12	0.050	>10	<0.1	<0.2	<0.04	0.40	<10	<0.2	<0.04	0.4
MF-16	Vegetation			<4	32.04	2.445	<1	6	2.15	4646	0.007	476	0.10	0.041	>10	0.1	<0.2	0.11	0.34	<10	0.3	<0.04	0.4
MF-17	Vegetation			<4	33.50	2.431	<1	2	1.47	5149	0.006	412	0.20	0.030	8.79	<0.1	<0.2	0.55	0.37	<10	0.4	<0.04	0.4
MF-18	Vegetation			<4	30.06	2.346	<1	<1	1.93	5263	0.006	348	0.36	0.071	>10	<0.1	<0.2	0.26	0.39	<10	<0.2	<0.04	0.4
MF-19	Vegetation			<4	29.58	2.962	<1	1	2.20	4232	0.008	406	0.19	0.045	>10	<0.1	0.2	0.06	0.29	<10	<0.2	<0.04	0.4
MF-20	Vegetation			<4	29.54	3.636	<1	4	2.58	2206	0.010	500	0.45	0.062	>10	<0.1	0.3	0.48	0.40	<10	0.3	<0.04	0.7
MF-21	Vegetation			<4	31.83	2.750	<1	1	2.02	8042	0.008	380	0.26	0.051	>10	<0.1	0.2	0.28	0.34	<10	<0.2	<0.04	0.5
MF-22	Vegetation			<4	30.54	3.326	<1	1	2.43	4172	0.009	412	0.35	0.052	>10	<0.1	<0.2	0.24	0.31	<10	<0.2	<0.04	0.5
MF-23	Vegetation			<4	32.27	2.445	<1	<1	1.92	7812	0.006	351	0.36	0.044	>10	<0.1	<0.2	0.14	0.34	<10	<0.2	<0.04	0.5
MF-24	Vegetation			<4	30.33	2.431	<1	1	2.22	8001	0.007	354	0.36	0.049	>10	<0.1	<0.2	0.06	0.33	<10	0.2	<0.04	0.5
MF-25	Vegetation			<4	28.58	3.414	<1	2	2.02	5593	0.008	461	0.55	0.055	>10	<0.1	<0.2	0.44	0.46	<10	<0.2	<0.04	0.7
MF-26	Vegetation			<4	30.20	3.332	<1	4	2.03	3599	0.008	467	0.48	0.058	>10	0.1	<0.2	0.38	0.29	<10	<0.2	<0.04	0.7
MF-27	Vegetation			<4	22.67	2.572	<1	1	2.03	8374	0.011	332	0.50	0.034	9.37	<0.1	<0.2	0.36	0.30	<10	<0.2	<0.04	0.9
MF-28	Vegetation			<4	25.71	3.203	<1	2	1.92	6365	0.014	414	0.52	0.129	>10	<0.1	<0.2	0.47	0.72	<10	<0.2	<0.04	1.3
MF-29	Vegetation			<4	24.52	3.601	<1	1	1.98	5531	0.015	372	0.39	0.117	>10	<0.1	<0.2	0.76	0.76	<10	<0.2	<0.04	1.3
MF-30	Vegetation			<4	34.35	2.580	<1	2	1.31	4953	0.011	319	0.31	0.041	8.95	<0.1	<0.2	0.26	0.36	<10	0.6	0.06	0.7
MF-31	Vegetation			<4	32.22	2.964	<1	2	2.08	4717	0.013	327	0.49	0.034	>10	0.1	<0.2	0.40	0.51	<10	0.5	0.04	1.0
OVEN STD-1	Pulp			<4	27.78	3.226	2	5	2.58	1247	0.016	429	0.14	0.107	>10	0.4	0.8	<0.04	1.05	<10	0.6	0.05	1.1
MF-32	Vegetation			<4	28.76	4.397	<1	2	1.81	5687	0.019	396	0.49	0.055	>10	<0.1	<0.2	1.02	0.53	<10	0.3	0.09	1.1
MF-33	Vegetation			<4	29.99	3.220	<1	2	2.17	3385	0.015	421	0.30	0.048	>10	0.2	<0.2	0.42	0.33	<10	0.7	<0.04	1.0
MF-1-34	Vegetation			<4	30.97	2.568	<1	3	2.37	7549	0.012	396	0.13	0.070	>10	<0.1	<0.2	<0.04	0.43	<10	0.5	0.07	0.7
MF-1-35	Vegetation			<4	30.17	3.327	<1	2	2.27	4239	0.015	432	0.05	0.052	>10	<0.1	<0.2	<0.04	0.37	<10	0.8	<0.04	0.3
MF-1-36	Vegetation			<4	32.58	2.712	<1	2	2.21	7125	0.012	425	0.13	0.061	>10	<0.1	<0.2	<0.04	0.41	<10	0.5	0.07	0.4
MF-1-37	Vegetation			<4	33.27	2.750	<1	2	2.17	6636	0.013	461	0.22	0.084	>10	<0.1	<0.2	<0.04	0.48	<10	0.6	0.05	0.6
MF-1-38	Vegetation			<4	27.75	3.685	<1	2	2.59	675	0.016	484	0.46	0.074	>10	<0.1	<0.2	0.42	0.50	<10	0.7	0.05	1.5
MF-1-39	Vegetation			<4	29.63	3.513	<1	2	2.11	639	0.015	450	0.54	0.058	>10	<0.1	<0.2	0.45	0.56	<10	0.7	<0.04	1.2
MF-1-40	Vegetation			<4	27.71	4.703	<1	<1	2.63	5167	0.020	394	0.72	0.070	>10	<0.1	<0.2	0.71	0.57	<10	0.5	0.09	1.5
MF-1-41	Vegetation			<4	21.00	>5	<1	6	3.69	4334	0.024	442	0.78	0.074	>10	<0.1	<0.2	3.38	0.69	<10	0.5	0.06	2.3
MF-1-42	Vegetation			<4	26.33	4.010	<1	<1	3.19	855	0.017	470	0.42	0.047	>10	<0.1	<0.2	0.08	0.50	<10	0.3	<0.04	1.1
MF-1-43	Vegetation			<4	23.55	4.816	<1	1	2.89	4128	0.021	396	0.54	0.082	>10	<0.1	<0.2	0.38	0.54	<10	0.5	0.06	1.4



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Project: None Given
 Report Date: February 24, 2012

Page: 4 of 8 Part 3

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	
MF-15	Vegetation	6.65	0.3	<0.04	<0.04	218.5	<0.2	<0.1	<0.2	0.17	0.2	<0.04	<2	<0.2	0.5	<0.04	0.12	<0.04	0.40	0.13	<0.04
MF-16	Vegetation	8.29	0.3	<0.04	<0.04	203.6	<0.2	<0.1	<0.2	0.21	0.3	<0.04	<2	<0.2	0.4	0.05	0.18	<0.04	0.27	0.05	<0.04
MF-17	Vegetation	9.55	0.3	<0.04	<0.04	165.8	<0.2	<0.1	<0.2	0.24	0.3	<0.04	<2	<0.2	0.4	<0.04	0.18	0.06	0.27	0.07	<0.04
MF-18	Vegetation	8.89	0.3	<0.04	<0.04	213.2	<0.2	<0.1	<0.2	0.31	0.3	<0.04	<2	<0.2	0.3	0.04	0.16	0.05	0.14	0.10	<0.04
MF-19	Vegetation	10.49	0.4	<0.04	<0.04	223.1	<0.2	<0.1	<0.2	0.26	0.4	<0.04	<2	<0.2	0.3	0.05	0.17	0.04	0.12	0.09	<0.04
MF-20	Vegetation	5.16	0.2	<0.04	<0.04	135.7	<0.2	<0.1	<0.2	0.76	0.8	<0.04	<2	<0.2	0.6	0.12	0.48	0.07	0.12	0.16	<0.04
MF-21	Vegetation	4.19	0.3	<0.04	<0.04	136.2	<0.2	<0.1	<0.2	0.54	0.4	<0.04	<2	<0.2	1.4	0.05	0.18	0.06	0.61	0.22	<0.04
MF-22	Vegetation	5.21	0.3	<0.04	<0.04	139.1	<0.2	<0.1	<0.2	0.72	0.4	<0.04	<2	<0.2	0.5	0.09	0.41	0.06	0.22	0.19	<0.04
MF-23	Vegetation	4.30	0.3	<0.04	<0.04	110.5	<0.2	<0.1	<0.2	0.71	0.3	<0.04	<2	<0.2	0.3	0.08	0.38	0.05	0.32	0.11	<0.04
MF-24	Vegetation	3.29	0.3	<0.04	<0.04	131.5	<0.2	<0.1	<0.2	0.48	0.4	<0.04	<2	<0.2	0.6	0.07	0.28	0.05	0.38	0.18	<0.04
MF-25	Vegetation	2.77	0.3	<0.04	<0.04	123.7	<0.2	<0.1	<0.2	0.48	0.4	<0.04	<2	<0.2	0.3	0.07	0.34	0.06	0.24	0.08	<0.04
MF-26	Vegetation	3.40	0.3	<0.04	<0.04	131.5	<0.2	<0.1	<0.2	0.54	0.5	<0.04	<2	<0.2	0.4	0.10	0.31	0.05	0.27	0.12	<0.04
MF-27	Vegetation	4.36	<0.2	<0.04	0.05	160.5	<0.2	<0.1	<0.2	0.71	0.6	<0.04	3	<0.2	0.2	0.09	0.30	0.08	<0.04	0.15	<0.04
MF-28	Vegetation	4.26	<0.2	<0.04	<0.04	196.9	<0.2	<0.1	<0.2	0.66	0.7	<0.04	<2	<0.2	0.6	0.08	0.29	0.07	<0.04	0.09	<0.04
MF-29	Vegetation	4.62	<0.2	<0.04	<0.04	259.4	<0.2	<0.1	<0.2	0.51	0.6	<0.04	3	<0.2	0.2	0.08	0.21	0.08	<0.04	0.12	<0.04
MF-30	Vegetation	5.71	<0.2	<0.04	<0.04	190.5	<0.2	<0.1	<0.2	0.32	0.4	<0.04	<2	<0.2	0.3	0.06	0.13	0.09	0.05	<0.04	<0.04
MF-31	Vegetation	7.25	<0.2	<0.04	0.05	223.6	<0.2	<0.1	<0.2	0.33	0.5	<0.04	<2	<0.2	0.3	0.06	0.25	0.08	0.17	0.10	<0.04
OVEN STD-1	Pulp	3.56	<0.2	<0.04	0.08	228.2	4.0	<0.1	1.3	0.48	3.7	<0.04	<2	<0.2	2.3	0.33	1.36	0.19	0.13	0.06	<0.04
MF-32	Vegetation	10.93	<0.2	<0.04	<0.04	268.7	<0.2	<0.1	<0.2	0.55	0.7	<0.04	<2	<0.2	0.6	0.07	0.34	0.06	0.14	0.11	<0.04
MF-33	Vegetation	5.07	<0.2	<0.04	0.04	161.8	<0.2	<0.1	<0.2	0.52	0.4	<0.04	<2	<0.2	0.5	0.09	0.24	<0.04	0.10	0.08	<0.04
MF-1-34	Vegetation	4.51	<0.2	<0.04	0.06	281.3	<0.2	<0.1	<0.2	0.27	0.8	<0.04	<2	<0.2	0.5	0.10	0.25	<0.04	0.09	0.08	<0.04
MF-1-35	Vegetation	2.31	<0.2	<0.04	<0.04	141.5	<0.2	<0.1	<0.2	0.14	0.5	<0.04	<2	<0.2	0.5	0.05	0.24	0.04	0.08	0.06	<0.04
MF-1-36	Vegetation	8.81	<0.2	<0.04	0.04	159.3	<0.2	<0.1	<0.2	0.37	0.4	<0.04	<2	<0.2	0.4	0.06	0.20	0.06	0.04	0.04	<0.04
MF-1-37	Vegetation	17.55	<0.2	<0.04	<0.04	229.5	<0.2	<0.1	<0.2	0.20	0.6	<0.04	<2	<0.2	0.5	0.06	0.22	<0.04	0.34	<0.04	<0.04
MF-1-38	Vegetation	13.86	<0.2	<0.04	0.06	227.8	<0.2	<0.1	<0.2	0.30	0.7	<0.04	<2	<0.2	0.9	0.10	0.28	0.10	0.11	<0.04	<0.04
MF-1-39	Vegetation	10.93	<0.2	<0.04	0.05	241.4	<0.2	<0.1	<0.2	0.23	0.5	<0.04	<2	<0.2	0.5	0.06	0.16	<0.04	0.04	0.05	<0.04
MF-1-40	Vegetation	31.57	<0.2	<0.04	0.09	356.7	<0.2	<0.1	<0.2	0.64	1.0	<0.04	<2	<0.2	0.6	0.13	0.26	0.07	0.22	0.10	<0.04
MF-1-41	Vegetation	69.91	<0.2	<0.04	0.10	448.7	<0.2	<0.1	<0.2	0.18	0.6	<0.04	<2	<0.2	0.7	0.06	0.21	0.04	0.10	0.08	<0.04
MF-1-42	Vegetation	38.53	<0.2	<0.04	0.04	470.4	<0.2	<0.1	<0.2	0.27	0.5	<0.04	<2	<0.2	<0.2	0.05	0.22	<0.04	<0.04	0.07	<0.04
MF-1-43	Vegetation	18.24	<0.2	<0.04	0.05	362.8	<0.2	<0.1	<0.2	0.55	0.9	<0.04	<2	<0.2	1.1	0.10	0.37	0.06	0.15	0.13	<0.04

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



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Project: None Given
 Report Date: February 24, 2012

Page: 4 of 8 Part 4

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
MF-15	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
MF-16	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-17	Vegetation	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
MF-18	Vegetation	0.06	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
MF-19	Vegetation	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-20	Vegetation	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-21	Vegetation	0.06	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
MF-22	Vegetation	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-23	Vegetation	0.08	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF-24	Vegetation	0.07	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
MF-25	Vegetation	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-26	Vegetation	0.06	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-27	Vegetation	0.09	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
MF-28	Vegetation	0.06	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF-29	Vegetation	0.06	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
MF-30	Vegetation	0.05	<0.04	0.04	<0.04	0.05	<0.04	<20	<4
MF-31	Vegetation	<0.04	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
OVEN STD-1	Pulp	0.12	<0.04	0.06	<0.04	0.05	<0.04	<20	<4
MF-32	Vegetation	0.06	<0.04	0.05	<0.04	0.06	<0.04	<20	<4
MF-33	Vegetation	0.06	<0.04	0.05	<0.04	<0.04	<0.04	<20	<4
MF-1-34	Vegetation	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF-1-35	Vegetation	<0.04	<0.04	0.04	<0.04	0.08	<0.04	<20	<4
MF-1-36	Vegetation	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-1-37	Vegetation	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
MF-1-38	Vegetation	0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-1-39	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-1-40	Vegetation	<0.04	<0.04	0.06	<0.04	<0.04	<0.04	<20	<4
MF-1-41	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-1-42	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF-1-43	Vegetation	<0.04	<0.04	0.05	<0.04	0.11	<0.04	<20	<4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
MF-1-44	Vegetation		51.06	1.522	0.77	91.89	24.10	1248	122	18.7	4.5	>10000	0.11	1.0	<0.1	1.1	<0.2	627	8.00	0.11	<0.04
MF-1-45	Vegetation		50.38	1.284	0.71	91.83	28.74	1359	132	17.5	3.0	>10000	0.11	0.4	<0.1	0.9	<0.2	677	7.14	0.15	<0.04
SJ-01-1	Vegetation		50.64	1.021	0.74	120.7	19.11	1846	225	17.1	5.2	>10000	0.14	1.3	<0.1	0.8	<0.2	479	16.69	2.28	<0.04
SJ-01-2	Vegetation		50.40	1.089	0.49	117.1	22.22	1991	244	19.8	5.5	>10000	0.12	0.3	<0.1	0.8	<0.2	654	38.14	1.30	<0.04
SJ-01-3	Vegetation		50.79	1.276	0.60	80.34	13.47	1362	179	22.0	5.3	>10000	0.12	0.9	<0.1	0.8	<0.2	568	29.96	1.04	<0.04
SJ-01-4	Vegetation		50.55	1.340	0.52	79.62	13.92	1409	127	22.2	6.2	>10000	0.14	0.9	<0.1	2.0	<0.2	1035	5.69	0.66	<0.04
SJ-01-5	Vegetation		50.62	1.050	0.60	95.97	14.42	1817	134	23.1	4.4	>10000	0.12	0.9	<0.1	1.2	<0.2	643	10.65	0.28	<0.04
SJ-01-6	Vegetation		50.63	1.113	0.51	108.6	22.38	1495	254	22.4	5.3	>10000	0.12	0.9	<0.1	0.6	<0.2	646	16.83	0.29	<0.04
SJ-01-7	Vegetation		50.99	1.104	0.56	101.1	14.39	1458	169	16.9	4.4	>10000	0.09	0.7	<0.1	1.1	<0.2	627	14.71	0.24	<0.04
SJ-01-8	Vegetation		50.45	0.897	0.61	110.1	37.74	1640	322	42.0	3.7	>10000	0.13	0.6	<0.1	2.2	<0.2	476	23.29	0.30	<0.04
SJ-01-9	Vegetation		50.39	0.967	0.67	132.3	23.77	1435	159	24.5	6.4	>10000	0.12	0.8	<0.1	0.9	<0.2	639	9.80	0.38	<0.04
SJ-01-10	Vegetation		50.53	1.275	0.70	119.2	14.64	1106	207	18.0	7.1	>10000	0.11	0.4	<0.1	<0.4	<0.2	702	4.37	0.28	<0.04
SJ-01-11	Vegetation		50.30	0.906	1.24	208.7	20.10	1168	493	10.2	9.2	>10000	0.13	1.9	<0.1	0.8	<0.2	668	10.51	0.15	<0.04
OVEN STD-1	Pulp		16.98	0.477	0.99	43.34	11.37	1498	945	12.5	1.0	>10000	0.18	3.0	2.1	1.4	0.9	601	0.21	0.45	0.22
SJ-01-12	Vegetation		50.49	1.082	0.67	163.3	14.34	1132	289	8.2	6.2	>10000	0.12	1.5	<0.1	0.6	<0.2	649	7.58	0.23	<0.04
SJ-01-13	Vegetation		50.65	1.578	0.45	75.32	15.01	901.4	104	6.6	1.7	>10000	0.10	3.5	<0.1	<0.4	<0.2	645	4.13	0.24	<0.04
SJ-01-14	Vegetation		50.71	1.165	0.44	83.29	19.01	1443	135	5.5	1.7	>10000	0.10	1.4	<0.1	<0.4	<0.2	840	1.84	0.31	<0.04
SJ-01-15	Vegetation		50.46	1.145	0.37	109.6	14.77	1140	217	7.4	2.0	>10000	0.11	1.5	<0.1	0.7	<0.2	635	3.34	0.21	<0.04
SJ-01-16	Vegetation		50.73	1.181	0.46	148.7	9.53	1332	165	6.5	1.3	>10000	0.11	0.7	<0.1	<0.4	<0.2	517	3.93	0.13	<0.04
SJ-01-17	Vegetation		50.53	1.329	0.52	128.0	10.95	1073	259	6.8	2.1	>10000	0.10	1.6	<0.1	0.6	<0.2	568	7.06	0.24	<0.04
SJ-01-18	Vegetation		50.83	1.370	0.76	102.4	13.96	1426	120	17.4	4.7	>10000	0.14	1.0	<0.1	0.9	<0.2	583	5.30	0.20	<0.04
SJ-01-19	Vegetation		50.90	0.963	0.79	146.6	13.75	1507	286	22.9	14.1	>10000	0.14	1.5	<0.1	<0.4	<0.2	551	5.48	0.13	<0.04
SJ-01-20	Vegetation		50.40	0.960	1.03	186.6	17.21	1516	347	11.7	8.3	>10000	0.11	0.8	<0.1	<0.4	<0.2	479	10.28	0.15	<0.04
SJ-01-21	Vegetation		50.32	1.258	0.57	122.6	9.67	1311	203	8.9	3.9	>10000	0.09	1.2	<0.1	<0.4	<0.2	821	10.00	0.13	<0.04
SJ-01-22	Vegetation		50.48	0.999	0.68	165.6	24.41	1405	235	11.4	6.6	>10000	0.14	2.1	<0.1	0.7	<0.2	734	11.65	0.16	<0.04
SJ-01-23	Vegetation		50.27	1.287	0.55	115.8	14.84	1199	216	9.6	5.0	>10000	0.12	<0.2	<0.1	0.6	<0.2	728	3.30	0.10	<0.04
SJ-01-24	Vegetation		50.14	1.221	0.68	130.0	13.29	1071	272	14.4	10.6	>10000	0.09	0.9	<0.1	<0.4	<0.2	574	3.72	0.09	<0.04
SJ-01-25	Vegetation		50.94	1.226	0.59	115.6	17.21	1146	205	26.8	6.1	>10000	0.09	1.0	<0.1	<0.4	<0.2	571	6.64	0.13	<0.04
SJ-01-26	Vegetation		50.78	1.284	0.62	111.8	23.30	1189	164	14.8	3.7	>10000	0.11	1.8	<0.1	<0.4	<0.2	702	4.91	0.13	<0.04
SJ-01-27	Vegetation		50.96	1.230	0.69	136.5	25.64	1245	256	22.7	5.5	>10000	0.11	0.6	<0.1	<0.4	<0.2	717	15.40	0.12	<0.04

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Project: None Given
 Report Date: February 24, 2012

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
MF-1-44	Vegetation			<4	28.60	3.624	<1	5	2.13	4446	0.015	332	0.36	0.041	>10	<0.1	<0.2	0.95	0.34	<10	0.3	0.05	0.8
MF-1-45	Vegetation			<4	27.70	3.712	<1	4	2.20	6460	0.016	366	0.41	0.021	>10	<0.1	<0.2	1.38	0.36	<10	0.8	<0.04	0.7
SJ-01-1	Vegetation			<4	27.80	3.450	<1	9	3.70	4074	0.015	392	1.43	0.036	>10	<0.1	<0.2	0.62	0.49	<10	0.5	0.06	0.7
SJ-01-2	Vegetation			<4	27.36	3.174	<1	9	3.13	4697	0.013	445	0.29	0.042	>10	<0.1	<0.2	0.32	0.22	<10	0.7	0.08	0.7
SJ-01-3	Vegetation			<4	33.12	2.511	<1	10	3.04	7140	0.011	317	0.47	0.046	>10	<0.1	<0.2	0.30	0.40	11	0.6	0.05	0.6
SJ-01-4	Vegetation			<4	29.61	3.366	<1	9	2.70	9692	0.014	311	0.48	0.032	>10	<0.1	<0.2	1.40	0.38	<10	0.7	<0.04	1.0
SJ-01-5	Vegetation			<4	26.17	3.035	<1	4	3.96	6722	0.012	420	0.88	0.017	>10	<0.1	<0.2	1.02	0.48	<10	0.6	0.07	0.8
SJ-01-6	Vegetation			<4	28.92	3.360	<1	5	2.69	5610	0.014	286	0.92	0.023	>10	<0.1	<0.2	1.39	0.37	<10	0.5	0.11	0.8
SJ-01-7	Vegetation			<4	28.43	2.770	1	3	3.37	6416	0.012	325	0.42	0.019	>10	<0.1	<0.2	1.02	0.38	<10	0.5	0.07	0.8
SJ-01-8	Vegetation			<4	24.68	2.920	<1	3	2.59	5702	0.012	404	1.67	0.023	>10	<0.1	<0.2	1.30	0.56	<10	0.6	<0.04	0.8
SJ-01-9	Vegetation			<4	27.39	3.134	<1	7	3.34	5474	0.013	384	1.61	0.032	>10	<0.1	<0.2	0.69	0.50	<10	0.3	0.07	0.9
SJ-01-10	Vegetation			<4	30.52	3.104	<1	4	2.51	4873	0.013	339	0.35	0.024	>10	<0.1	<0.2	0.73	0.40	<10	0.3	0.06	0.9
SJ-01-11	Vegetation			<4	29.96	3.419	<1	1	2.04	4585	0.014	397	0.47	0.030	>10	<0.1	<0.2	1.69	0.60	<10	0.4	0.05	1.0
OVEN STD-1	Pulp			<4	27.84	3.264	2	5	2.46	1231	0.016	389	0.14	0.085	>10	0.5	0.7	<0.04	1.03	<10	0.4	0.04	1.2
SJ-01-12	Vegetation			<4	31.02	2.966	<1	4	1.78	4936	0.012	381	0.45	0.026	>10	<0.1	<0.2	1.16	0.49	<10	0.5	0.07	1.0
SJ-01-13	Vegetation			<4	34.61	1.721	<1	6	1.38	3877	0.007	351	0.22	0.028	9.33	<0.1	<0.2	0.10	0.32	<10	0.4	0.08	0.5
SJ-01-14	Vegetation			<4	32.34	1.913	<1	4	1.91	5281	0.009	419	0.12	0.044	>10	<0.1	<0.2	<0.04	0.41	<10	0.5	0.05	0.4
SJ-01-15	Vegetation			<4	34.10	1.943	<1	3	1.67	5881	0.009	364	0.08	0.021	>10	<0.1	<0.2	0.13	0.44	<10	0.3	0.04	0.3
SJ-01-16	Vegetation			<4	30.42	2.660	<1	1	1.70	6852	0.012	328	0.13	0.016	>10	<0.1	<0.2	0.65	0.47	<10	0.3	<0.04	0.5
SJ-01-17	Vegetation			<4	30.73	1.865	<1	<1	1.56	7205	0.009	283	0.26	0.020	>10	<0.1	<0.2	0.28	0.55	<10	0.4	<0.04	0.4
SJ-01-18	Vegetation			<4	26.59	2.975	<1	3	2.75	624	0.014	410	0.16	0.051	>10	<0.1	<0.2	<0.04	0.70	<10	0.4	<0.04	0.6
SJ-01-19	Vegetation			<4	24.53	4.184	1	<1	3.03	6662	0.018	381	0.52	0.037	>10	<0.1	<0.2	0.66	0.38	<10	0.5	<0.04	1.1
SJ-01-20	Vegetation			<4	27.10	3.808	<1	1	1.64	5089	0.017	315	0.63	0.027	>10	<0.1	<0.2	1.23	0.47	<10	0.4	<0.04	1.5
SJ-01-21	Vegetation			<4	30.83	2.508	<1	<1	1.78	7768	0.012	297	0.41	0.037	9.94	<0.1	<0.2	0.38	0.53	<10	0.6	<0.04	0.8
SJ-01-22	Vegetation			<4	27.54	3.817	<1	2	1.91	4781	0.017	325	0.47	0.034	>10	<0.1	<0.2	0.75	0.44	<10	0.3	<0.04	1.0
SJ-01-23	Vegetation			<4	30.22	2.659	<1	1	1.96	4305	0.012	281	0.23	0.032	>10	<0.1	<0.2	<0.04	0.51	<10	<0.2	0.04	0.8
SJ-01-24	Vegetation			<4	28.46	4.240	<1	2	1.56	4953	0.018	320	0.46	0.045	>10	<0.1	<0.2	0.44	0.54	<10	0.3	<0.04	1.2
SJ-01-25	Vegetation			<4	26.91	3.269	<1	3	1.92	7139	0.015	333	0.38	0.040	>10	<0.1	<0.2	0.24	0.46	<10	0.5	<0.04	1.0
SJ-01-26	Vegetation			<4	28.99	2.723	<1	2	1.74	6003	0.013	317	0.38	0.041	>10	<0.1	<0.2	0.15	0.36	<10	<0.2	<0.04	0.9
SJ-01-27	Vegetation			<4	27.94	3.565	<1	3	1.96	4997	0.016	315	0.48	0.041	>10	<0.1	<0.2	0.14	0.48	<10	0.3	<0.04	1.1

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Project: None Given
 Report Date: February 24, 2012

Page: 5 of 8 Part 3

CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce	1F In	1F Re	1F Be	1F Li	1F Pr	1F Nd	1F Sm	1F Eu	1F Gd	1F Tb
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	0.04
MF-1-44	Vegetation			21.97	<0.2	<0.04	<0.04	308.7	<0.2	<0.1	<0.2	0.26	0.3	<0.04	<2	<0.2	1.0	0.04	0.13	0.07	0.21	0.12	<0.04
MF-1-45	Vegetation			14.39	<0.2	<0.04	<0.04	345.2	<0.2	<0.1	<0.2	0.31	0.5	<0.04	<2	<0.2	<0.2	0.07	0.21	0.04	0.36	0.26	<0.04
SJ-01-1	Vegetation			77.26	<0.2	<0.04	<0.04	510.4	<0.2	<0.1	<0.2	0.25	0.4	<0.04	<2	<0.2	<0.2	0.05	0.26	0.06	0.07	<0.04	<0.04
SJ-01-2	Vegetation			22.20	<0.2	<0.04	<0.04	365.2	<0.2	<0.1	<0.2	0.55	0.3	<0.04	<2	<0.2	0.2	0.05	0.30	<0.04	0.25	0.16	<0.04
SJ-01-3	Vegetation			18.78	<0.2	<0.04	<0.04	278.0	<0.2	<0.1	<0.2	0.39	0.2	<0.04	2	0.2	<0.2	0.04	0.23	<0.04	0.05	0.10	<0.04
SJ-01-4	Vegetation			45.09	<0.2	<0.04	0.04	392.5	<0.2	<0.1	<0.2	0.85	0.3	<0.04	<2	<0.2	<0.2	0.09	0.37	0.06	0.20	0.21	<0.04
SJ-01-5	Vegetation			50.80	<0.2	<0.04	<0.04	447.1	<0.2	<0.1	<0.2	0.30	0.3	<0.04	4	<0.2	<0.2	<0.04	0.10	<0.04	0.18	<0.04	<0.04
SJ-01-6	Vegetation			33.08	<0.2	<0.04	<0.04	382.7	<0.2	<0.1	<0.2	0.63	0.4	<0.04	<2	<0.2	<0.2	0.08	0.17	0.11	0.28	0.15	<0.04
SJ-01-7	Vegetation			15.92	<0.2	<0.04	<0.04	194.6	<0.2	<0.1	<0.2	2.48	0.6	<0.04	<2	<0.2	<0.2	0.16	0.61	0.15	0.20	0.43	<0.04
SJ-01-8	Vegetation			54.55	<0.2	<0.04	<0.04	488.7	<0.2	<0.1	<0.2	0.88	0.3	<0.04	<2	<0.2	<0.2	0.07	0.53	0.06	<0.04	0.10	<0.04
SJ-01-9	Vegetation			89.79	<0.2	<0.04	<0.04	547.8	<0.2	<0.1	<0.2	0.39	0.3	<0.04	2	<0.2	<0.2	<0.04	0.16	<0.04	0.27	0.13	<0.04
SJ-01-10	Vegetation			16.74	<0.2	<0.04	<0.04	294.7	<0.2	<0.1	<0.2	0.42	0.3	<0.04	<2	<0.2	<0.2	0.05	0.29	0.06	0.14	0.05	<0.04
SJ-01-11	Vegetation			21.47	<0.2	<0.04	<0.04	271.6	<0.2	<0.1	<0.2	0.28	0.4	<0.04	<2	<0.2	<0.2	0.07	0.37	<0.04	0.14	0.09	<0.04
OVEN STD-1	Pulp			4.07	<0.2	<0.04	0.08	237.4	4.3	<0.1	0.5	0.41	3.4	<0.04	6	<0.2	2.0	0.32	0.86	0.29	0.23	0.05	<0.04
SJ-01-12	Vegetation			14.86	<0.2	<0.04	<0.04	217.5	<0.2	<0.1	<0.2	0.21	0.3	<0.04	4	<0.2	<0.2	0.04	0.11	0.06	0.34	0.07	<0.04
SJ-01-13	Vegetation			6.86	<0.2	<0.04	<0.04	183.2	<0.2	<0.1	<0.2	0.17	0.2	<0.04	2	<0.2	<0.2	<0.04	0.11	0.04	0.28	0.11	<0.04
SJ-01-14	Vegetation			7.98	<0.2	<0.04	<0.04	213.6	<0.2	<0.1	<0.2	0.16	0.3	<0.04	2	<0.2	<0.2	<0.04	0.07	<0.04	0.16	0.07	<0.04
SJ-01-15	Vegetation			4.70	<0.2	<0.04	<0.04	145.8	<0.2	<0.1	<0.2	0.25	0.3	<0.04	<2	<0.2	0.2	0.05	0.12	<0.04	0.13	0.17	<0.04
SJ-01-16	Vegetation			18.61	<0.2	<0.04	0.06	229.2	<0.2	<0.1	<0.2	0.27	<0.2	0.04	3	<0.2	<0.2	0.07	0.11	0.05	0.34	0.13	0.06
SJ-01-17	Vegetation			10.66	<0.2	<0.04	<0.04	210.3	<0.2	<0.1	<0.2	0.27	0.3	<0.04	3	<0.2	0.3	0.08	0.20	0.07	0.16	0.10	0.06
SJ-01-18	Vegetation			12.23	<0.2	<0.04	0.04	380.5	<0.2	<0.1	<0.2	0.34	0.6	<0.04	<2	<0.2	0.4	0.10	0.36	0.07	0.09	0.15	0.05
SJ-01-19	Vegetation			11.40	<0.2	<0.04	0.04	313.2	<0.2	<0.1	<0.2	1.19	0.9	<0.04	5	<0.2	0.3	0.17	0.42	0.10	0.34	0.19	0.06
SJ-01-20	Vegetation			3.55	<0.2	<0.04	<0.04	183.2	<0.2	<0.1	<0.2	0.98	0.6	<0.04	<2	<0.2	<0.2	0.12	0.45	0.04	0.10	0.15	0.06
SJ-01-21	Vegetation			2.92	<0.2	<0.04	0.04	131.1	<0.2	<0.1	<0.2	0.81	0.5	<0.04	<2	<0.2	<0.2	0.10	0.25	0.08	0.28	0.21	0.05
SJ-01-22	Vegetation			5.44	<0.2	<0.04	<0.04	193.9	<0.2	<0.1	<0.2	0.51	0.5	<0.04	3	<0.2	0.3	0.08	0.17	0.11	0.21	0.17	0.05
SJ-01-23	Vegetation			2.76	<0.2	<0.04	0.05	119.3	<0.2	<0.1	<0.2	0.42	0.3	<0.04	3	<0.2	0.2	0.06	0.16	<0.04	0.29	0.09	0.05
SJ-01-24	Vegetation			3.60	<0.2	<0.04	<0.04	133.5	<0.2	<0.1	<0.2	0.63	0.3	<0.04	4	<0.2	<0.2	0.09	0.22	0.09	0.41	0.14	0.05
SJ-01-25	Vegetation			3.82	<0.2	<0.04	<0.04	174.1	<0.2	<0.1	<0.2	0.69	0.5	<0.04	<2	<0.2	<0.2	0.10	0.38	0.09	0.14	0.09	0.05
SJ-01-26	Vegetation			2.16	<0.2	<0.04	<0.04	150.7	<0.2	<0.1	<0.2	0.94	0.8	<0.04	<2	<0.2	0.2	0.15	0.46	0.12	0.12	0.15	0.05
SJ-01-27	Vegetation			2.03	<0.2	<0.04	<0.04	128.9	<0.2	<0.1	<0.2	0.83	0.8	<0.04	2	<0.2	0.2	0.14	0.63	0.09	0.15	0.21	0.05

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
MF-1-44	Vegetation	0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
MF-1-45	Vegetation	<0.04	<0.04	<0.04	<0.04	0.17	<0.04	<20	<4
SJ-01-1	Vegetation	0.04	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
SJ-01-2	Vegetation	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-01-3	Vegetation	<0.04	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
SJ-01-4	Vegetation	0.11	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
SJ-01-5	Vegetation	<0.04	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
SJ-01-6	Vegetation	0.04	<0.04	0.06	<0.04	0.12	<0.04	<20	<4
SJ-01-7	Vegetation	0.33	0.05	0.17	<0.04	0.17	<0.04	<20	<4
SJ-01-8	Vegetation	0.12	<0.04	0.05	<0.04	0.08	<0.04	<20	<4
SJ-01-9	Vegetation	0.07	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
SJ-01-10	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
SJ-01-11	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
OVEN STD-1	Pulp	0.09	<0.04	0.09	<0.04	<0.04	<0.04	<20	<4
SJ-01-12	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
SJ-01-13	Vegetation	0.05	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
SJ-01-14	Vegetation	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<20	<4
SJ-01-15	Vegetation	0.05	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
SJ-01-16	Vegetation	0.04	0.06	0.05	0.07	0.20	0.07	<20	<4
SJ-01-17	Vegetation	0.09	0.06	0.06	0.06	0.09	0.05	<20	<4
SJ-01-18	Vegetation	0.06	0.06	0.06	0.06	0.06	0.05	<20	<4
SJ-01-19	Vegetation	0.20	0.06	0.07	0.06	0.12	0.06	<20	<4
SJ-01-20	Vegetation	0.07	0.07	0.09	0.06	0.10	0.05	<20	<4
SJ-01-21	Vegetation	0.18	0.07	0.07	0.05	0.09	0.05	<20	<4
SJ-01-22	Vegetation	0.06	0.06	0.07	0.05	0.10	0.06	<20	<4
SJ-01-23	Vegetation	0.07	0.06	0.04	0.05	0.07	0.05	<20	<4
SJ-01-24	Vegetation	0.05	0.06	0.05	0.05	0.12	0.05	<20	<4
SJ-01-25	Vegetation	0.09	0.06	0.06	0.05	0.09	0.05	<20	<4
SJ-01-26	Vegetation	0.08	0.07	0.09	0.04	0.08	<0.04	<20	<4
SJ-01-27	Vegetation	0.10	0.05	0.10	0.04	0.08	0.04	<20	<4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
SJ-01-28	Vegetation		50.44	1.204	0.77	126.9	13.84	1265	176	24.7	10.4	>10000	0.11	0.8	<0.1	<0.4	<0.2	734	20.37	0.10	<0.04
SJ-01-29	Vegetation		50.12	0.997	0.74	156.6	14.28	1360	247	14.6	4.8	>10000	0.12	1.0	<0.1	<0.4	<0.2	1122	17.27	0.11	<0.04
SJ-01-30	Vegetation		50.90	1.643	0.45	82.87	11.61	994.8	145	6.2	1.7	>10000	0.09	0.5	<0.1	<0.4	<0.2	1013	3.87	0.82	<0.04
SJ-01-31	Vegetation		50.80	1.275	0.62	119.3	20.43	1487	177	13.0	2.4	>10000	0.11	1.0	<0.1	<0.4	<0.2	639	7.04	0.24	<0.04
SJ-01-32	Vegetation		50.83	1.415	0.66	96.79	15.44	1422	111	17.2	10.5	>10000	0.11	0.9	<0.1	<0.4	<0.2	549	4.71	0.28	<0.04
SJ-01-33	Vegetation		51.00	1.183	0.38	113.6	15.89	1643	149	4.3	1.3	8778	0.10	1.2	<0.1	<0.4	<0.2	506	1.32	0.48	<0.04
SJ-01-34	Vegetation		50.38	1.388	0.29	111.5	16.13	1220	222	6.3	1.0	5183	0.08	1.1	<0.1	<0.4	<0.2	565	2.17	0.46	<0.04
SJ-01-35	Vegetation		50.30	1.535	0.37	105.3	13.89	1151	302	6.1	1.3	6678	0.10	0.6	<0.1	<0.4	<0.2	697	1.08	0.11	<0.04
SJ-01-36	Vegetation		50.43	1.174	1.21	114.6	19.33	1488	132	28.7	8.8	>10000	0.11	0.9	<0.1	<0.4	<0.2	736	8.24	0.87	<0.04
OVEN STD-1	Pulp		16.02	0.447	1.01	41.71	11.35	1485	933	14.8	1.1	>10000	0.17	2.9	2.1	<0.4	1.0	570	0.31	0.42	0.18
SJ-01-37	Vegetation		50.26	1.149	0.68	140.1	23.35	1374	191	29.6	10.5	>10000	0.12	0.4	<0.1	<0.4	<0.2	469	10.67	0.19	0.05
SJ-01-38	Vegetation		50.23	1.308	0.25	124.5	22.55	1124	132	7.2	0.7	4296	0.09	0.9	<0.1	<0.4	<0.2	696	3.01	0.17	<0.04
SJ-01-39	Vegetation		50.40	1.319	0.48	114.3	11.67	1098	279	13.7	7.8	>10000	0.11	0.8	<0.1	0.8	<0.2	908	12.42	0.23	<0.04
SJ-01-40	Vegetation		50.45	1.255	0.59	106.3	22.91	1222	267	29.4	9.1	>10000	0.09	0.7	<0.1	<0.4	<0.2	554	33.35	0.10	<0.04
SJ-01-41	Vegetation		50.41	1.144	1.03	126.9	24.86	1592	173	45.4	9.2	>10000	0.10	1.2	<0.1	<0.4	<0.2	988	3.50	0.16	<0.04
SJ-01-42	Vegetation		50.70	1.155	0.99	111.2	16.79	1601	173	38.2	8.0	>10000	0.11	0.9	<0.1	<0.4	<0.2	1028	3.37	0.10	<0.04
SJ-01-43	Vegetation		50.33	1.108	0.91	110.5	17.97	1139	77	27.2	10.5	>10000	0.11	0.8	<0.1	<0.4	<0.2	929	6.38	0.39	<0.04
SJ-01-44	Vegetation		50.43	1.191	0.92	102.6	20.70	1206	78	24.6	3.1	>10000	0.10	0.6	<0.1	<0.4	<0.2	487	6.41	0.11	<0.04
SJ-01-45	Vegetation		50.66	1.117	1.05	120.3	31.66	1357	109	23.3	5.7	>10000	0.13	0.8	<0.1	<0.4	<0.2	550	6.60	0.97	<0.04
MF2-01	Vegetation		50.21	0.907	1.80	221.8	42.95	4670	371	62.5	6.4	>10000	0.31	1.2	<0.1	<0.4	<0.2	553	29.20	0.25	<0.04
MF2-02	Vegetation		50.15	1.113	1.54	250.6	25.25	2793	311	56.1	5.3	>10000	0.25	1.4	<0.1	<0.4	<0.2	444	14.29	0.16	<0.04
MF2-03	Vegetation		50.53	1.009	1.40	218.0	83.49	5525	265	37.4	4.8	>10000	0.24	1.2	<0.1	<0.4	<0.2	380	58.21	0.21	<0.04
MF2-04	Vegetation		50.21	1.118	1.63	175.9	29.99	1636	235	40.6	3.5	>10000	0.18	0.7	<0.1	2.2	<0.2	472	4.56	0.13	<0.04
MF2-05	Vegetation		50.97	1.178	1.33	189.5	19.31	3150	296	49.3	4.7	>10000	0.18	1.1	<0.1	2.5	<0.2	743	4.65	0.12	<0.04
MF2-06	Vegetation		50.11	1.069	1.65	212.2	19.29	3666	279	28.3	5.4	>10000	0.19	0.5	<0.1	7.8	<0.2	795	9.59	0.18	0.07
MF2-07	Vegetation		50.19	1.089	1.28	232.7	15.99	3451	519	37.1	3.1	>10000	0.11	0.5	<0.1	6.3	<0.2	443	21.66	0.13	0.05
MF2-08	Vegetation		50.47	1.327	1.08	134.6	18.39	3459	235	49.2	4.0	>10000	0.13	0.2	<0.1	3.9	<0.2	299	97.90	0.11	0.04
MF2-09	Vegetation		50.07	1.160	1.37	135.9	18.97	4081	387	33.7	8.9	>10000	0.11	0.5	<0.1	4.7	<0.2	719	46.89	0.29	<0.04
MF2-10	Vegetation		50.64	1.097	0.81	168.9	13.88	7067	338	30.2	3.1	>10000	0.08	0.2	<0.1	3.5	<0.2	402	77.51	0.16	<0.04
MF2-11	Vegetation		50.67	1.054	0.66	202.9	14.13	6656	259	24.1	2.4	>10000	0.11	<0.2	<0.1	3.9	<0.2	428	61.12	0.11	<0.04

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Tl	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
SJ-01-28	Vegetation			<4	26.63	3.326	<1	5	1.87	7417	0.016	252	0.51	0.039	>10	<0.1	<0.2	0.73	0.51	<10	0.4	<0.04	1.4
SJ-01-29	Vegetation			<4	27.81	3.162	<1	2	2.07	6118	0.014	294	0.49	0.046	>10	<0.1	<0.2	1.03	0.37	<10	0.4	<0.04	1.0
SJ-01-30	Vegetation			<4	32.09	2.031	<1	<1	1.46	6017	0.010	242	0.12	0.022	9.46	<0.1	<0.2	0.36	0.35	<10	0.4	<0.04	0.7
SJ-01-31	Vegetation			<4	28.63	3.059	<1	3	2.02	7276	0.014	294	0.35	0.051	>10	<0.1	<0.2	1.03	0.33	<10	0.5	<0.04	0.9
SJ-01-32	Vegetation			<4	28.18	2.822	<1	1	1.98	5041	0.013	327	0.41	0.048	>10	<0.1	<0.2	0.80	0.44	<10	0.5	<0.04	1.0
SJ-01-33	Vegetation			<4	28.66	2.593	<1	3	2.35	8236	0.012	351	0.04	0.041	>10	<0.1	<0.2	0.12	0.49	<10	0.4	<0.04	0.5
SJ-01-34	Vegetation			<4	31.02	2.043	<1	2	2.04	5239	0.009	262	0.03	0.024	>10	<0.1	<0.2	0.09	0.39	<10	0.3	<0.04	0.4
SJ-01-35	Vegetation			<4	32.19	2.196	<1	<1	1.62	4516	0.011	193	0.04	0.016	9.01	<0.1	<0.2	0.16	0.43	<10	0.5	<0.04	0.4
SJ-01-36	Vegetation			<4	22.05	3.307	<1	4	2.54	4473	0.016	284	0.66	0.045	>10	<0.1	<0.2	2.56	0.51	<10	0.2	<0.04	1.8
OVEN STD-1	Pulp			<4	24.94	3.016	2	4	2.39	1167	0.016	294	0.13	0.092	>10	0.4	1.0	0.14	1.22	<10	0.8	<0.04	1.2
SJ-01-37	Vegetation			<4	25.44	3.450	<1	2	2.18	5680	0.017	292	0.34	0.033	>10	<0.1	<0.2	2.02	0.47	<10	0.4	<0.04	1.3
SJ-01-38	Vegetation			<4	28.62	3.421	<1	3	1.78	5903	0.017	238	0.05	0.023	>10	<0.1	<0.2	0.79	0.45	<10	0.4	<0.04	0.4
SJ-01-39	Vegetation			<4	29.28	2.319	<1	3	2.07	5208	0.012	231	0.22	0.022	>10	<0.1	<0.2	0.58	0.39	<10	0.6	<0.04	0.5
SJ-01-40	Vegetation			<4	26.67	3.261	<1	3	3.05	4841	0.016	224	0.45	0.024	>10	<0.1	<0.2	1.25	0.44	<10	0.2	<0.04	1.0
SJ-01-41	Vegetation			<4	19.83	4.016	<1	5	2.67	4278	0.019	225	0.65	0.045	>10	<0.1	<0.2	2.41	0.51	<10	0.3	<0.04	1.5
SJ-01-42	Vegetation			<4	23.11	3.565	<1	4	2.31	4027	0.017	225	0.57	0.034	>10	<0.1	<0.2	2.99	0.48	<10	0.5	<0.04	1.5
SJ-01-43	Vegetation			<4	22.30	4.034	<1	<1	2.71	3620	0.020	196	0.57	0.030	>10	<0.1	<0.2	3.23	0.37	<10	0.4	<0.04	1.1
SJ-01-44	Vegetation			<4	21.77	3.999	<1	3	2.44	3334	0.021	212	0.55	0.024	>10	<0.1	<0.2	1.50	0.44	<10	0.6	<0.04	1.1
SJ-01-45	Vegetation			<4	21.27	4.352	<1	1	2.45	5200	0.022	213	0.57	0.048	>10	<0.1	<0.2	1.52	0.45	<10	0.9	<0.04	1.2
MF2-01	Vegetation			<4	20.50	4.782	<1	3	3.17	3969	0.027	218	0.77	0.064	>10	<0.1	<0.2	2.35	0.73	<10	1.0	<0.04	1.5
MF2-02	Vegetation			<4	20.38	>5	<1	2	2.58	2339	0.035	165	0.77	0.046	>10	<0.1	<0.2	0.58	0.95	<10	0.5	<0.04	1.5
MF2-03	Vegetation			<4	23.05	>5	<1	2	2.99	3225	0.029	175	0.51	0.060	>10	<0.1	<0.2	0.92	0.85	<10	0.8	<0.04	1.3
MF2-04	Vegetation			<4	18.65	>5	<1	2	2.64	970	0.028	161	0.67	0.065	>10	<0.1	<0.2	2.52	0.65	<10	0.3	<0.04	1.4
MF2-05	Vegetation			<4	19.76	>5	<1	2	3.01	580	0.029	179	0.58	0.052	>10	<0.1	<0.2	2.68	0.72	<10	0.6	<0.04	1.6
MF2-06	Vegetation			<4	22.10	>5	<1	2	3.25	5362	0.016	358	0.80	0.113	>10	<0.1	0.3	5.02	0.52	10	0.3	0.09	1.4
MF2-07	Vegetation			<4	17.97	>5	<1	1	3.99	2336	0.017	329	0.50	0.033	>10	<0.1	0.2	2.80	0.84	<10	0.5	0.08	1.1
MF2-08	Vegetation			<4	17.62	4.724	<1	3	2.45	3078	0.014	310	0.70	0.031	>10	<0.1	<0.2	1.91	0.75	<10	<0.2	<0.04	1.2
MF2-09	Vegetation			<4	25.11	4.208	<1	3	2.95	2752	0.012	299	0.65	0.103	>10	<0.1	<0.2	3.93	0.60	<10	<0.2	0.08	1.2
MF2-10	Vegetation			<4	19.97	4.353	<1	2	2.14	3796	0.012	343	0.63	0.032	>10	<0.1	<0.2	0.56	0.63	<10	0.4	0.07	0.5
MF2-11	Vegetation			<4	23.91	3.661	<1	1	2.48	4316	0.011	391	0.65	0.035	>10	<0.1	<0.2	0.83	0.59	<10	<0.2	0.06	<0.2

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.2	0.2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	
SJ-01-28	Vegetation	2.91	<0.2	<0.04	<0.04	162.2	<0.2	<0.1	<0.2	0.56	0.5	<0.04	4	<0.2	<0.2	0.06	0.29	0.13	0.30	0.22	0.05
SJ-01-29	Vegetation	6.12	<0.2	<0.04	<0.04	167.8	<0.2	<0.1	<0.2	0.39	0.5	<0.04	2	<0.2	0.2	0.09	0.22	<0.04	0.17	0.13	0.05
SJ-01-30	Vegetation	3.43	<0.2	<0.04	<0.04	111.3	<0.2	<0.1	<0.2	0.33	0.5	<0.04	<2	<0.2	<0.2	0.05	0.19	0.07	0.30	0.13	<0.04
SJ-01-31	Vegetation	5.39	<0.2	<0.04	<0.04	193.3	<0.2	<0.1	<0.2	0.41	0.5	<0.04	<2	<0.2	0.2	0.08	0.20	0.04	0.21	0.11	0.05
SJ-01-32	Vegetation	5.89	<0.2	<0.04	<0.04	178.0	<0.2	<0.1	<0.2	0.45	0.4	<0.04	2	<0.2	<0.2	0.09	0.20	0.08	0.15	0.12	<0.04
SJ-01-33	Vegetation	1.44	<0.2	<0.04	<0.04	122.7	<0.2	<0.1	<0.2	0.23	0.4	<0.04	<2	<0.2	<0.2	0.07	0.16	0.10	0.25	0.16	<0.04
SJ-01-34	Vegetation	1.41	<0.2	<0.04	<0.04	104.7	<0.2	<0.1	<0.2	0.15	0.2	<0.04	<2	<0.2	<0.2	0.05	0.07	<0.04	0.26	0.12	<0.04
SJ-01-35	Vegetation	2.95	<0.2	<0.04	<0.04	81.3	<0.2	<0.1	<0.2	0.17	0.3	<0.04	2	<0.2	<0.2	0.04	0.14	<0.04	0.41	0.21	<0.04
SJ-01-36	Vegetation	10.42	<0.2	<0.04	0.05	233.7	<0.2	<0.1	<0.2	0.43	0.6	<0.04	3	<0.2	<0.2	0.08	0.29	<0.04	0.24	0.16	<0.04
OVEN STD-1	Pulp	3.82	<0.2	<0.04	0.10	230.5	3.7	<0.1	1.2	0.50	3.4	<0.04	<2	<0.2	1.9	0.32	1.06	0.18	0.09	0.25	0.04
SJ-01-37	Vegetation	13.93	<0.2	<0.04	<0.04	262.4	<0.2	<0.1	<0.2	0.24	0.2	<0.04	<2	<0.2	0.3	0.04	0.13	<0.04	0.11	0.11	<0.04
SJ-01-38	Vegetation	8.63	<0.2	<0.04	<0.04	220.8	<0.2	<0.1	<0.2	0.15	<0.2	<0.04	<2	<0.2	<0.2	0.04	0.08	<0.04	0.14	0.12	<0.04
SJ-01-39	Vegetation	16.48	<0.2	<0.04	<0.04	222.6	<0.2	<0.1	<0.2	0.25	0.3	<0.04	<2	<0.2	<0.2	0.05	0.12	<0.04	<0.04	0.12	<0.04
SJ-01-40	Vegetation	10.06	<0.2	<0.04	<0.04	173.0	<0.2	<0.1	<0.2	0.36	0.3	<0.04	<2	<0.2	<0.2	<0.04	0.14	0.08	0.42	0.11	<0.04
SJ-01-41	Vegetation	32.53	<0.2	<0.04	<0.04	339.0	<0.2	<0.1	<0.2	0.36	0.4	<0.04	3	<0.2	<0.2	0.07	0.29	<0.04	0.20	0.13	<0.04
SJ-01-42	Vegetation	32.47	<0.2	<0.04	<0.04	335.9	<0.2	<0.1	<0.2	0.58	0.4	<0.04	<2	<0.2	<0.2	0.06	0.34	<0.04	0.10	0.12	<0.04
SJ-01-43	Vegetation	33.75	<0.2	<0.04	<0.04	392.2	<0.2	<0.1	<0.2	0.27	0.5	<0.04	<2	<0.2	0.3	0.05	0.10	<0.04	<0.04	0.14	<0.04
SJ-01-44	Vegetation	18.61	<0.2	<0.04	<0.04	336.3	<0.2	<0.1	<0.2	0.25	0.3	<0.04	<2	<0.2	0.5	0.06	0.09	<0.04	<0.04	0.16	<0.04
SJ-01-45	Vegetation	10.43	<0.2	<0.04	<0.04	261.8	<0.2	<0.1	<0.2	0.44	0.6	<0.04	3	<0.2	3.6	0.07	0.18	0.06	<0.04	0.20	<0.04
MF2-01	Vegetation	24.89	<0.2	<0.04	0.06	766.7	0.2	<0.1	<0.2	0.56	1.2	<0.04	<2	<0.2	0.6	0.13	0.43	0.13	0.25	0.25	<0.04
MF2-02	Vegetation	2.09	<0.2	<0.04	0.09	270.9	<0.2	<0.1	<0.2	0.40	1.0	<0.04	<2	<0.2	0.9	0.11	0.51	0.06	0.27	0.18	<0.04
MF2-03	Vegetation	16.55	<0.2	<0.04	0.05	529.5	<0.2	<0.1	<0.2	0.65	1.0	<0.04	3	<0.2	0.7	0.12	0.38	0.11	0.13	0.15	<0.04
MF2-04	Vegetation	7.62	<0.2	<0.04	0.07	620.4	<0.2	<0.1	<0.2	0.47	0.7	<0.04	2	<0.2	0.6	0.11	0.36	0.12	0.06	0.17	<0.04
MF2-05	Vegetation	11.71	<0.2	<0.04	0.05	595.7	<0.2	<0.1	<0.2	0.47	0.7	<0.04	<2	<0.2	0.4	0.09	0.19	<0.04	0.07	0.12	<0.04
MF2-06	Vegetation	7.07	<0.2	<0.04	0.07	529.5	0.2	<0.1	0.3	0.49	1.4	<0.04	4	0.3	0.3	0.19	0.86	0.09	<0.04	0.20	<0.04
MF2-07	Vegetation	8.73	<0.2	<0.04	<0.04	607.5	<0.2	<0.1	0.2	0.25	0.6	<0.04	5	<0.2	0.4	0.07	0.30	0.06	<0.04	0.11	<0.04
MF2-08	Vegetation	19.81	<0.2	<0.04	<0.04	1114	<0.2	<0.1	<0.2	0.29	0.6	<0.04	12	<0.2	0.4	0.07	0.23	0.08	<0.04	0.14	<0.04
MF2-09	Vegetation	65.24	<0.2	<0.04	<0.04	828.3	<0.2	<0.1	<0.2	0.29	0.5	<0.04	5	0.5	0.7	0.06	0.35	0.04	<0.04	0.16	<0.04
MF2-10	Vegetation	10.94	<0.2	<0.04	<0.04	380.1	<0.2	<0.1	<0.2	0.50	0.5	<0.04	6	0.2	0.5	0.07	0.24	0.08	<0.04	0.13	<0.04
MF2-11	Vegetation	8.16	<0.2	<0.04	<0.04	352.2	<0.2	<0.1	<0.2	0.39	0.4	<0.04	5	<0.2	0.5	0.05	0.20	0.08	<0.04	0.15	<0.04

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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
SJ-01-28	Vegetation	0.05	0.07	0.08	0.04	0.14	0.05	<20	<4
SJ-01-29	Vegetation	0.07	0.05	0.04	0.04	0.07	0.05	<20	<4
SJ-01-30	Vegetation	<0.04	<0.04	0.05	<0.04	0.15	0.04	<20	<4
SJ-01-31	Vegetation	0.05	0.04	0.06	<0.04	0.11	0.04	<20	<4
SJ-01-32	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
SJ-01-33	Vegetation	<0.04	<0.04	<0.04	<0.04	0.10	0.04	<20	<4
SJ-01-34	Vegetation	<0.04	<0.04	<0.04	<0.04	0.14	<0.04	<20	<4
SJ-01-35	Vegetation	<0.04	<0.04	<0.04	<0.04	0.14	<0.04	<20	<4
SJ-01-36	Vegetation	0.06	<0.04	0.04	<0.04	0.09	<0.04	<20	<4
OVEN STD-1	Pulp	0.16	0.07	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-01-37	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
SJ-01-38	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
SJ-01-39	Vegetation	<0.04	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
SJ-01-40	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
SJ-01-41	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
SJ-01-42	Vegetation	<0.04	<0.04	0.05	<0.04	0.09	<0.04	<20	<4
SJ-01-43	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
SJ-01-44	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
SJ-01-45	Vegetation	<0.04	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
MF2-01	Vegetation	0.10	<0.04	0.05	<0.04	0.09	<0.04	<20	<4
MF2-02	Vegetation	0.07	<0.04	0.05	<0.04	0.05	<0.04	<20	<4
MF2-03	Vegetation	0.06	<0.04	0.04	<0.04	0.06	<0.04	<20	<4
MF2-04	Vegetation	0.05	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
MF2-05	Vegetation	0.04	<0.04	0.05	<0.04	0.04	<0.04	<20	<4
MF2-06	Vegetation	0.07	<0.04	<0.04	<0.04	0.09	<0.04	<20	5
MF2-07	Vegetation	<0.04	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
MF2-08	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
MF2-09	Vegetation	0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF2-10	Vegetation	<0.04	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF2-11	Vegetation	0.06	<0.04	<0.04	<0.04	0.06	<0.04	<20	5



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
MF2-12	Vegetation		50.84	0.980	0.90	154.8	12.83	4036	283	38.9	6.3	>10000	0.15	0.7	<0.1	2.6	<0.2	590	31.46	0.24	<0.04
MF2-13	Vegetation		50.12	1.168	0.63	121.0	14.98	5743	179	33.0	2.4	>10000	0.08	0.3	<0.1	4.7	<0.2	429	56.23	0.12	<0.04
MF2-14	Vegetation		50.89	1.064	0.85	175.7	15.67	4580	211	27.4	7.5	>10000	0.15	0.7	<0.1	1.8	<0.2	502	34.60	0.21	<0.04
MF2-15	Vegetation		50.43	1.091	1.07	137.4	11.36	2744	215	44.7	8.1	>10000	0.13	0.2	<0.1	2.6	<0.2	672	18.37	0.22	0.04
MF2-16	Vegetation		50.46	1.045	0.88	131.4	14.74	1849	121	46.3	7.5	>10000	0.12	0.8	<0.1	2.6	<0.2	585	6.71	0.22	<0.04
OVEN STD-1	Pulp		16.27	0.452	1.01	35.15	11.91	1327	897	10.6	0.5	>10000	0.13	2.7	2.1	3.9	0.9	457	0.32	0.39	0.18
MF2-17	Vegetation		50.96	1.176	1.18	135.9	17.29	4031	169	35.4	4.2	>10000	0.10	<0.2	<0.1	3.0	<0.2	515	14.39	0.10	<0.04
MF2-18	Vegetation		50.76	1.029	0.76	171.6	22.67	4309	184	41.0	4.9	>10000	0.12	0.3	<0.1	3.2	<0.2	379	17.24	0.14	<0.04
SJ-02-1	Vegetation		50.61	1.301	0.96	94.99	44.02	1647	102	34.2	6.0	>10000	0.10	0.5	<0.1	2.1	<0.2	510	9.40	0.11	<0.04
SJ-02-2	Vegetation		50.69	1.313	0.96	92.67	18.89	1838	121	17.9	5.1	>10000	0.09	0.4	<0.1	3.9	<0.2	500	18.57	0.17	<0.04
SJ-02-3	Vegetation		50.91	1.114	0.97	103.3	16.74	1770	143	31.5	6.7	>10000	0.10	0.5	<0.1	2.3	<0.2	829	3.67	0.13	<0.04
SJ-02-4	Vegetation		50.66	1.291	0.89	92.58	10.16	1430	306	21.1	7.3	>10000	0.06	0.4	<0.1	3.4	<0.2	614	3.72	0.06	0.11
SJ-02-5	Vegetation		50.87	1.176	1.21	92.99	16.76	1790	149	28.1	5.9	>10000	0.10	0.6	<0.1	3.9	<0.2	897	6.33	0.11	0.06
SJ-03-1	Vegetation		50.71	0.959	1.12	128.8	23.20	2578	171	41.3	5.1	>10000	0.13	0.3	<0.1	5.5	<0.2	765	8.10	0.33	<0.04
SJ-03-2	Vegetation		50.28	0.953	1.26	168.9	29.94	2979	134	66.4	6.5	>10000	0.17	0.5	<0.1	1.5	<0.2	714	16.19	1.60	0.05
SJ-03-3	Vegetation		50.38	1.136	0.81	132.8	13.12	3074	115	67.6	4.7	>10000	0.08	0.4	<0.1	3.5	<0.2	642	5.74	0.17	<0.04
SJ-03-4	Vegetation		50.66	1.233	0.74	113.9	13.77	3007	139	24.8	6.5	>10000	0.10	0.5	<0.1	2.5	<0.2	536	5.17	0.17	<0.04
SJ-03-5	Vegetation		50.25	0.999	1.27	119.4	27.69	3276	219	37.2	7.5	>10000	0.12	<0.2	<0.1	2.0	<0.2	972	10.71	0.38	<0.04
SJ-03-6	Vegetation		50.38	1.223	0.95	106.2	23.04	2413	159	42.6	5.9	>10000	0.09	0.6	<0.1	2.5	<0.2	783	16.31	4.21	<0.04
SJ-03-7	Vegetation		50.30	1.379	0.84	98.62	9.34	2519	420	17.4	0.5	6527	0.06	0.5	<0.1	1.9	<0.2	1900	6.31	0.35	<0.04
SJ-03-8	Vegetation		50.57	1.026	0.96	155.8	16.07	1921	183	26.7	4.5	>10000	0.15	0.6	<0.1	2.6	<0.2	1533	5.05	0.28	<0.04
SJ-03-9	Vegetation		50.60	1.406	0.36	98.00	11.49	1308	87	23.4	4.1	>10000	0.05	<0.2	<0.1	1.1	<0.2	978	4.57	0.19	<0.04
SJ-03-10	Vegetation		50.48	1.661	0.33	102.9	15.09	1556	127	24.9	0.9	8355	0.06	0.7	<0.1	2.2	<0.2	1150	5.00	4.84	<0.04
SJ-03-11	Vegetation		50.29	1.368	0.54	127.2	28.87	1738	153	19.3	2.5	>10000	0.09	0.8	<0.1	1.8	<0.2	872	12.00	0.28	<0.04
SJ-03-12	Vegetation		50.31	1.769	0.63	93.37	13.15	1507	114	21.1	2.8	>10000	0.08	0.3	<0.1	0.8	<0.2	666	13.87	0.18	0.08
SJ-03-13	Vegetation		50.20	1.258	0.93	108.0	22.20	1928	164	37.1	6.0	>10000	0.07	0.3	<0.1	2.3	<0.2	449	2.20	1.09	<0.04
SJ-03-14	Vegetation		50.58	1.570	0.62	80.06	21.66	1122	70	24.5	3.9	>10000	0.07	0.9	<0.1	2.3	<0.2	765	8.16	0.16	<0.04
SJ-03-15	Vegetation		50.46	1.024	0.68	87.26	23.99	1855	148	27.9	3.7	>10000	0.08	2.0	<0.1	2.7	<0.2	914	6.88	0.73	<0.04
SJ-04-1	Vegetation		50.88	1.020	0.45	160.1	27.11	5870	351	47.6	3.3	>10000	0.09	0.6	<0.1	1.9	<0.2	569	66.55	0.18	<0.04
SJ-04-2	Vegetation		50.21	1.374	0.39	125.3	15.21	3169	152	40.0	2.2	>10000	0.07	0.6	<0.1	2.3	<0.2	535	48.73	0.18	<0.04

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



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Tl	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
MF2-12	Vegetation			<4	19.82	3.055	<1	2	3.09	981	0.009	491	0.61	0.054	>10	<0.1	<0.2	0.45	0.49	<10	<0.2	<0.04	0.7
MF2-13	Vegetation			<4	21.94	3.357	<1	2	2.64	5184	0.009	404	0.54	0.040	>10	<0.1	<0.2	0.56	0.43	<10	0.2	0.09	0.3
MF2-14	Vegetation			<4	21.03	3.351	<1	4	2.56	4760	0.011	406	0.76	0.057	>10	<0.1	<0.2	0.44	0.58	<10	<0.2	0.05	0.4
MF2-15	Vegetation			<4	25.49	3.606	<1	3	2.92	4610	0.010	408	0.52	0.112	>10	<0.1	<0.2	1.27	0.55	20	0.5	0.08	1.3
MF2-16	Vegetation			<4	23.69	4.482	<1	<1	3.21	2281	0.013	465	0.56	0.098	>10	<0.1	<0.2	0.65	0.41	<10	<0.2	0.09	1.3
OVEN STD-1	Pulp			<4	20.20	2.736	2	4	2.46	1212	0.009	364	0.14	0.088	>10	0.4	0.9	0.12	1.02	<10	<0.2	0.11	1.2
MF2-17	Vegetation			<4	19.63	3.697	<1	<1	3.43	5068	0.011	455	0.59	0.045	>10	<0.1	<0.2	0.55	0.59	<10	0.5	<0.04	0.9
MF2-18	Vegetation			<4	18.33	4.319	<1	<1	3.84	3693	0.013	529	0.57	0.065	>10	<0.1	<0.2	0.47	0.65	<10	0.2	0.05	1.0
SJ-02-1	Vegetation			<4	27.33	3.912	<1	<1	2.34	5233	0.011	390	0.55	0.107	>10	<0.1	<0.2	0.75	0.36	<10	<0.2	0.06	1.3
SJ-02-2	Vegetation			<4	27.72	3.297	<1	<1	2.47	7256	0.011	486	0.54	0.125	>10	<0.1	<0.2	0.99	0.33	<10	<0.2	0.06	1.2
SJ-02-3	Vegetation			<4	23.51	4.295	1	<1	2.75	2263	0.013	421	0.60	0.117	>10	<0.1	<0.2	1.31	0.28	<10	<0.2	0.10	1.6
SJ-02-4	Vegetation			<4	28.99	2.792	1	<1	2.14	4560	0.008	368	0.55	0.127	9.64	<0.1	<0.2	0.81	0.40	<10	<0.2	<0.04	1.3
SJ-02-5	Vegetation			4	26.10	3.483	2	<1	2.42	8024	0.011	453	0.55	0.111	>10	<0.1	<0.2	1.36	0.32	21	<0.2	0.05	1.4
SJ-03-1	Vegetation			<4	22.08	>5	<1	<1	2.92	5559	0.017	414	0.93	0.110	>10	<0.1	<0.2	4.21	0.49	<10	<0.2	0.05	1.8
SJ-03-2	Vegetation			<4	22.71	4.681	<1	<1	3.59	512	0.014	476	0.60	0.151	>10	<0.1	<0.2	0.54	0.65	<10	<0.2	0.09	1.6
SJ-03-3	Vegetation			<4	18.23	4.668	<1	<1	4.04	994	0.013	432	0.73	0.051	>10	<0.1	<0.2	0.11	0.48	<10	<0.2	<0.04	1.0
SJ-03-4	Vegetation			<4	21.72	3.945	<1	<1	4.07	6050	0.011	422	0.46	0.049	>10	<0.1	<0.2	0.61	0.49	<10	<0.2	0.07	1.2
SJ-03-5	Vegetation			<4	24.28	4.192	<1	<1	3.61	7078	0.013	521	0.73	0.143	>10	<0.1	<0.2	3.52	0.38	<10	<0.2	0.07	2.1
SJ-03-6	Vegetation			<4	23.70	3.087	1	<1	2.68	5029	0.009	379	0.46	0.128	>10	<0.1	<0.2	1.02	0.46	<10	<0.2	<0.04	1.5
SJ-03-7	Vegetation			<4	27.79	1.983	<1	<1	2.10	5686	0.006	377	0.10	0.041	8.80	<0.1	<0.2	0.06	0.36	<10	<0.2	<0.04	0.3
SJ-03-8	Vegetation			<4	20.44	3.273	<1	<1	3.09	4763	0.010	742	0.64	0.084	>10	<0.1	0.2	0.05	0.40	<10	<0.2	0.09	0.7
SJ-03-9	Vegetation			<4	23.66	2.649	<1	<1	2.83	6832	0.008	373	0.44	0.032	>10	<0.1	<0.2	0.09	0.44	<10	<0.2	<0.04	0.6
SJ-03-10	Vegetation			<4	24.37	2.419	2	<1	2.27	7644	0.007	327	0.43	0.026	9.79	<0.1	<0.2	<0.04	0.17	<10	<0.2	0.07	0.3
SJ-03-11	Vegetation			<4	23.67	3.284	<1	<1	2.17	6680	0.010	410	0.37	0.042	>10	<0.1	<0.2	0.25	0.50	<10	<0.2	<0.04	0.7
SJ-03-12	Vegetation			<4	26.58	2.038	<1	<1	2.48	638	0.006	331	0.51	0.031	7.26	<0.1	<0.2	0.16	0.48	<10	<0.2	0.09	0.6
SJ-03-13	Vegetation			<4	26.15	3.485	<1	<1	2.45	2346	0.010	521	0.57	0.100	>10	<0.1	<0.2	0.47	0.54	<10	<0.2	0.05	1.8
SJ-03-14	Vegetation			<4	24.98	2.551	<1	<1	1.80	6194	0.007	388	0.44	0.027	8.83	<0.1	<0.2	0.22	0.41	<10	<0.2	0.08	1.1
SJ-03-15	Vegetation			<4	22.63	2.757	<1	<1	3.04	5661	0.008	461	0.43	0.060	>10	<0.1	<0.2	0.15	0.41	<10	0.3	0.07	1.3
SJ-04-1	Vegetation			<4	18.55	>5	<1	<1	2.49	3894	0.015	467	1.20	0.059	>10	<0.1	<0.2	0.23	0.76	<10	<0.2	<0.04	1.2
SJ-04-2	Vegetation			<4	24.64	4.219	<1	<1	1.94	5195	0.012	371	0.48	0.037	>10	<0.1	<0.2	0.10	0.44	<10	0.3	0.09	0.7



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce	1F In	1F Re	1F Be	1F Li	1F Pr	1F Nd	1F Sm	1F Eu	1F Gd	1F Tb
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	0.04
MF2-12	Vegetation	13.58	<0.2	<0.04	<0.04	444.3	0.2	<0.1	<0.2	0.51	0.5	<0.04	8	<0.2	0.6	0.07	0.24	<0.04	0.09	0.12	<0.04
MF2-13	Vegetation	9.04	<0.2	<0.04	<0.04	568.1	<0.2	<0.1	<0.2	0.26	0.3	<0.04	4	<0.2	0.2	0.05	0.21	0.05	<0.04	0.14	<0.04
MF2-14	Vegetation	6.52	<0.2	<0.04	0.04	415.4	<0.2	<0.1	<0.2	0.33	0.6	<0.04	5	0.3	0.4	0.08	0.19	0.05	<0.04	0.17	<0.04
MF2-15	Vegetation	22.11	<0.2	<0.04	0.05	541.4	0.4	<0.1	<0.2	0.75	0.7	<0.04	5	0.2	0.5	0.11	0.40	0.09	<0.04	0.24	<0.04
MF2-16	Vegetation	19.97	<0.2	<0.04	<0.04	583.4	<0.2	<0.1	<0.2	0.45	0.4	<0.04	2	<0.2	0.4	0.07	0.22	0.08	<0.04	0.11	<0.04
OVEN STD-1	Pulp	3.40	<0.2	<0.04	0.09	204.4	3.3	<0.1	0.7	0.43	3.5	<0.04	4	<0.2	2.3	0.32	1.09	0.23	<0.04	0.15	<0.04
MF2-17	Vegetation	9.06	<0.2	<0.04	<0.04	567.3	<0.2	<0.1	<0.2	0.70	0.5	<0.04	3	<0.2	0.5	0.08	0.33	0.09	<0.04	0.21	<0.04
MF2-18	Vegetation	6.67	<0.2	<0.04	<0.04	690.4	<0.2	<0.1	<0.2	0.26	0.8	<0.04	3	<0.2	0.6	0.10	0.38	0.07	<0.04	0.14	<0.04
SJ-02-1	Vegetation	57.32	<0.2	<0.04	<0.04	581.8	<0.2	<0.1	<0.2	0.89	0.6	<0.04	5	<0.2	0.6	0.10	0.33	0.10	<0.04	0.24	<0.04
SJ-02-2	Vegetation	160.1	<0.2	<0.04	0.05	396.2	<0.2	<0.1	<0.2	0.75	0.8	<0.04	3	<0.2	0.2	0.09	0.44	0.13	<0.04	0.16	<0.04
SJ-02-3	Vegetation	134.4	<0.2	<0.04	0.04	471.5	<0.2	<0.1	<0.2	2.39	1.1	<0.04	3	<0.2	0.7	0.25	0.87	0.23	<0.04	0.33	0.04
SJ-02-4	Vegetation	138.9	<0.2	<0.04	<0.04	308.5	<0.2	<0.1	<0.2	2.20	0.9	<0.04	2	<0.2	0.4	0.18	0.84	0.16	<0.04	0.28	0.04
SJ-02-5	Vegetation	73.83	<0.2	<0.04	0.04	393.4	<0.2	<0.1	0.2	6.16	1.5	<0.04	4	<0.2	0.3	0.34	1.86	0.32	<0.04	0.72	0.10
SJ-03-1	Vegetation	23.96	<0.2	<0.04	0.06	675.1	0.2	<0.1	0.2	0.53	0.7	<0.04	<2	0.4	0.4	0.11	0.25	0.06	<0.04	0.17	<0.04
SJ-03-2	Vegetation	7.36	<0.2	<0.04	0.04	709.0	0.6	<0.1	<0.2	0.43	0.8	<0.04	3	<0.2	1.2	0.10	0.41	0.08	<0.04	0.11	<0.04
SJ-03-3	Vegetation	4.78	<0.2	<0.04	<0.04	350.8	0.2	<0.1	<0.2	0.52	0.5	<0.04	5	<0.2	<0.2	0.09	0.21	<0.04	<0.04	0.13	<0.04
SJ-03-4	Vegetation	3.44	<0.2	<0.04	<0.04	230.9	<0.2	<0.1	<0.2	0.31	0.3	<0.04	2	<0.2	0.3	0.05	0.12	0.06	<0.04	0.08	<0.04
SJ-03-5	Vegetation	9.78	<0.2	<0.04	<0.04	510.5	0.2	<0.1	<0.2	0.49	0.5	<0.04	5	<0.2	0.4	0.08	0.27	0.09	<0.04	0.09	<0.04
SJ-03-6	Vegetation	13.14	<0.2	<0.04	<0.04	570.9	<0.2	<0.1	0.2	1.55	0.8	<0.04	3	<0.2	0.3	0.14	0.46	0.07	<0.04	0.14	<0.04
SJ-03-7	Vegetation	5.27	<0.2	<0.04	<0.04	190.6	<0.2	<0.1	<0.2	0.59	0.3	<0.04	2	<0.2	0.3	0.06	0.48	0.06	<0.04	0.17	<0.04
SJ-03-8	Vegetation	5.59	<0.2	<0.04	0.05	537.3	0.2	<0.1	0.2	0.26	0.4	<0.04	4	<0.2	0.4	0.07	0.22	<0.04	<0.04	0.13	<0.04
SJ-03-9	Vegetation	8.04	<0.2	<0.04	<0.04	213.1	<0.2	<0.1	<0.2	0.41	0.3	<0.04	3	<0.2	0.4	0.07	0.34	0.06	<0.04	0.10	<0.04
SJ-03-10	Vegetation	2.40	<0.2	<0.04	<0.04	133.4	0.7	<0.1	<0.2	1.50	0.3	<0.04	4	0.2	0.2	0.20	0.84	0.12	<0.04	0.28	<0.04
SJ-03-11	Vegetation	6.22	<0.2	<0.04	<0.04	285.9	0.4	<0.1	<0.2	0.26	0.3	<0.04	<2	<0.2	0.3	0.05	0.15	<0.04	<0.04	0.05	<0.04
SJ-03-12	Vegetation	2.83	<0.2	<0.04	0.04	148.9	<0.2	<0.1	<0.2	0.50	0.4	<0.04	<2	<0.2	0.5	0.09	0.24	0.05	<0.04	0.06	<0.04
SJ-03-13	Vegetation	5.25	<0.2	<0.04	<0.04	296.0	<0.2	<0.1	<0.2	0.27	0.4	<0.04	<2	<0.2	0.2	0.04	0.19	0.07	<0.04	<0.04	<0.04
SJ-03-14	Vegetation	3.21	<0.2	<0.04	<0.04	166.0	<0.2	<0.1	<0.2	0.26	0.4	<0.04	3	0.3	<0.2	0.05	0.16	<0.04	<0.04	0.10	<0.04
SJ-03-15	Vegetation	2.14	<0.2	<0.04	<0.04	149.0	<0.2	<0.1	<0.2	0.54	0.8	<0.04	3	<0.2	0.6	0.09	0.58	0.06	<0.04	0.20	<0.04
SJ-04-1	Vegetation	1.14	<0.2	<0.04	<0.04	336.8	0.3	<0.1	<0.2	0.38	0.5	<0.04	2	0.4	0.5	0.06	0.23	<0.04	<0.04	0.05	<0.04
SJ-04-2	Vegetation	1.51	<0.2	<0.04	<0.04	157.2	<0.2	<0.1	<0.2	0.74	0.3	<0.04	<2	<0.2	0.4	0.08	0.30	0.08	<0.04	0.26	<0.04

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



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
MF2-12	Vegetation	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
MF2-13	Vegetation	0.06	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
MF2-14	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
MF2-15	Vegetation	0.10	<0.04	0.04	<0.04	0.06	<0.04	<20	<4
MF2-16	Vegetation	0.07	<0.04	0.04	<0.04	0.05	<0.04	<20	<4
OVEN STD-1	Pulp	0.11	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
MF2-17	Vegetation	0.10	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
MF2-18	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-02-1	Vegetation	0.16	<0.04	0.07	<0.04	0.10	<0.04	<20	5
SJ-02-2	Vegetation	0.11	<0.04	0.04	<0.04	0.10	<0.04	<20	<4
SJ-02-3	Vegetation	0.30	0.05	0.20	<0.04	0.07	<0.04	<20	<4
SJ-02-4	Vegetation	0.27	0.07	0.13	<0.04	0.12	<0.04	<20	<4
SJ-02-5	Vegetation	0.69	0.14	0.42	0.05	0.39	<0.04	<20	<4
SJ-03-1	Vegetation	0.04	<0.04	0.07	<0.04	0.13	<0.04	<20	7
SJ-03-2	Vegetation	0.10	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-03-3	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-03-4	Vegetation	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-03-5	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
SJ-03-6	Vegetation	0.20	0.04	0.07	<0.04	0.09	<0.04	<20	<4
SJ-03-7	Vegetation	0.08	<0.04	0.07	<0.04	0.06	<0.04	<20	<4
SJ-03-8	Vegetation	0.07	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
SJ-03-9	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
SJ-03-10	Vegetation	0.16	<0.04	0.05	<0.04	0.09	<0.04	<20	<4
SJ-03-11	Vegetation	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
SJ-03-12	Vegetation	0.09	<0.04	<0.04	<0.04	<0.04	<0.04	<20	5
SJ-03-13	Vegetation	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
SJ-03-14	Vegetation	0.04	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
SJ-03-15	Vegetation	0.06	<0.04	<0.04	<0.04	0.05	<0.04	<20	<4
SJ-04-1	Vegetation	0.05	<0.04	0.04	<0.04	<0.04	<0.04	<20	<4
SJ-04-2	Vegetation	0.07	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04	
SJ-04-3	Vegetation		50.50	1.242	0.47	155.7	11.01	3918	253	42.2	1.5	>10000	0.07	<0.2	<0.1	10.8	<0.2	554	98.32	0.30	0.10
OVEN STD-1	Pulp		16.07	0.450	1.23	46.17	13.90	1675	1080	14.8	0.8	>10000	0.22	4.7	2.3	5.5	1.0	616	0.53	0.52	0.22
SJ-04-4	Vegetation		50.36	1.082	0.48	122.1	16.17	2550	177	46.1	10.0	>10000	0.10	0.4	<0.1	2.8	<0.2	1196	15.50	0.10	<0.04
SJ-04-5	Vegetation		50.36	1.022	0.64	146.9	19.98	2292	192	49.3	12.2	>10000	0.10	<0.2	<0.1	2.0	<0.2	1239	9.61	0.16	<0.04
SJ-04-6	Vegetation		49.99	1.302	0.57	122.4	14.51	2677	214	31.8	10.0	>10000	0.08	<0.2	<0.1	3.1	<0.2	929	17.84	0.08	<0.04
SJ-04-7	Vegetation		50.88	1.074	0.87	128.0	21.40	1936	221	36.9	7.9	>10000	0.09	<0.2	<0.1	3.3	<0.2	997	6.69	0.13	0.04
SJ-04-8	Vegetation		50.92	1.067	0.69	118.9	14.66	1554	174	23.8	6.0	>10000	0.08	<0.2	<0.1	4.2	<0.2	1229	5.62	0.10	<0.04
TL2-1	Vegetation		50.74	1.193	0.99	144.8	26.90	3376	366	29.3	7.8	>10000	0.09	<0.2	<0.1	2.0	<0.2	698	68.53	0.12	<0.04
TL2-2	Vegetation		50.65	1.111	0.57	114.0	17.10	2502	199	35.2	12.6	>10000	0.12	<0.2	<0.1	2.0	<0.2	776	15.99	0.09	<0.04
TL2-3	Vegetation		50.88	1.194	1.19	154.1	19.34	1773	413	32.9	15.0	>10000	0.12	0.6	<0.1	2.7	<0.2	778	19.01	0.19	0.09
TL2-4	Vegetation		50.77	1.148	0.92	113.1	25.99	1787	675	33.2	7.1	>10000	0.09	<0.2	<0.1	3.2	<0.2	1076	8.28	0.12	0.04
TL2-5	Vegetation		50.71	1.088	0.91	134.6	21.13	2337	233	42.4	7.4	>10000	0.23	0.7	<0.1	3.4	<0.2	788	6.29	0.18	0.06
TL2-6	Vegetation		50.84	1.224	0.49	131.3	19.77	1912	221	26.7	4.4	>10000	0.09	0.5	<0.1	1.3	<0.2	746	17.14	0.07	<0.04
TL2-7	Vegetation		50.90	1.265	0.58	166.2	23.86	1890	249	49.4	2.9	>10000	0.09	0.5	<0.1	1.8	<0.2	887	31.44	0.06	<0.04
TL2-8	Vegetation		50.60	1.275	0.60	110.9	16.05	1538	158	22.6	1.9	>10000	0.06	<0.2	<0.1	2.8	<0.2	735	11.71	0.12	0.06
TL3-1	Vegetation		50.80	1.044	0.60	157.5	57.74	3711	253	35.3	6.1	>10000	0.12	<0.2	<0.1	5.1	<0.2	505	26.48	0.12	0.04
TL3-2	Vegetation		50.82	1.087	0.63	196.7	44.75	4460	248	24.3	2.5	>10000	0.04	0.3	<0.1	2.4	<0.2	565	7.13	0.08	<0.04
TL3-3	Vegetation		50.84	1.011	0.68	158.7	140.3	5341	287	19.7	5.4	>10000	0.13	<0.2	<0.1	5.0	<0.2	752	70.67	0.16	<0.04
TL3-4	Vegetation		50.46	1.031	0.80	160.2	51.37	3496	253	43.7	7.3	>10000	0.16	<0.2	<0.1	2.5	<0.2	990	19.08	0.13	0.06
TL3-5	Vegetation		50.62	1.083	0.72	204.4	44.85	4935	457	101.4	6.0	>10000	0.12	0.3	<0.1	4.1	<0.2	739	32.94	0.13	0.07
TL3-6	Vegetation		50.80	1.017	0.55	170.4	49.54	4838	217	55.7	4.9	>10000	0.10	0.3	<0.1	2.3	<0.2	734	14.77	0.12	0.09
TL3-7	Vegetation		50.65	1.135	0.63	175.3	18.43	2825	215	69.4	7.9	>10000	0.10	0.3	<0.1	3.9	<0.2	732	27.58	0.07	<0.04
TL3-8	Vegetation		50.98	1.187	0.79	119.0	37.97	2532	141	57.4	7.2	>10000	0.10	0.3	<0.1	1.0	<0.2	1239	14.89	0.07	0.04
TL3-9	Vegetation		50.97	1.049	0.92	182.0	35.33	2748	247	48.9	11.4	>10000	0.11	0.4	<0.1	1.7	<0.2	960	24.42	0.12	<0.04
TL3-10	Vegetation		50.85	1.252	1.04	129.3	18.21	2437	167	23.0	8.2	>10000	0.07	<0.2	<0.1	2.2	<0.2	1148	7.71	0.08	<0.04
TL3-11	Vegetation		50.50	0.957	0.92	170.4	39.58	2375	229	44.0	6.9	>10000	0.11	<0.2	<0.1	2.5	<0.2	981	7.18	0.11	0.05
TL3-12	Vegetation		50.71	0.845	1.05	150.8	34.28	1853	245	46.0	5.5	>10000	0.12	0.3	<0.1	3.1	<0.2	1286	5.28	0.12	<0.04



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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Tl	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
				4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
SJ-04-3	Vegetation			<4	23.30	>5	<1	<1	2.09	4129	0.016	274	0.50	0.029	>10	<0.1	<0.2	0.62	0.50	<10	0.4	0.10	0.6
OVEN STD-1	Pulp			<4	25.57	3.585	2	6	2.40	1130	0.012	331	0.16	0.114	>10	0.4	0.9	0.17	0.82	<10	<0.2	0.08	1.1
SJ-04-4	Vegetation			<4	25.17	4.489	<1	<1	2.74	4599	0.013	304	0.42	0.046	>10	0.2	<0.2	2.33	0.41	<10	<0.2	0.10	0.8
SJ-04-5	Vegetation			<4	23.17	4.655	<1	<1	2.50	6328	0.014	228	0.60	0.041	>10	<0.1	<0.2	4.03	0.43	<10	<0.2	0.05	1.0
SJ-04-6	Vegetation			<4	26.13	4.388	<1	<1	2.55	3625	0.012	319	0.57	0.032	>10	<0.1	<0.2	3.41	0.48	<10	0.2	0.08	1.0
SJ-04-7	Vegetation			<4	20.77	>5	<1	<1	2.78	5784	0.017	319	0.70	0.042	>10	<0.1	<0.2	4.12	0.53	<10	<0.2	0.04	1.3
SJ-04-8	Vegetation			<4	26.21	3.528	<1	<1	2.86	5493	0.011	210	0.48	0.037	>10	<0.1	<0.2	2.98	0.39	<10	<0.2	0.12	1.0
TL2-1	Vegetation			<4	23.75	>5	<1	<1	2.20	6156	0.015	328	0.42	0.029	>10	<0.1	<0.2	2.33	0.45	<10	<0.2	0.06	1.1
TL2-2	Vegetation			<4	25.66	4.572	1	<1	2.98	5999	0.013	340	0.62	0.060	>10	0.2	<0.2	2.05	0.50	<10	0.6	0.17	0.9
TL2-3	Vegetation			<4	25.81	>5	2	<1	1.78	5452	0.015	257	0.53	0.041	>10	<0.1	<0.2	1.56	0.49	<10	<0.2	0.05	1.2
TL2-4	Vegetation			<4	23.89	4.506	1	<1	2.70	2818	0.014	183	0.88	0.042	>10	<0.1	<0.2	3.71	0.35	<10	0.3	0.11	1.1
TL2-5	Vegetation			<4	22.62	3.474	<1	<1	2.38	6654	0.006	332	0.72	0.132	>10	<0.1	<0.2	3.65	0.84	<10	0.5	<0.04	5.5
TL2-6	Vegetation			<4	28.23	3.320	1	<1	2.30	4650	0.010	241	0.44	0.064	>10	<0.1	<0.2	1.00	0.33	<10	0.2	0.08	0.6
TL2-7	Vegetation			<4	28.99	4.028	2	<1	2.13	3131	0.011	201	0.69	0.033	>10	<0.1	<0.2	1.46	0.44	<10	0.4	0.15	0.5
TL2-8	Vegetation			<4	27.59	3.522	<1	<1	1.99	6031	0.010	183	0.44	0.033	>10	<0.1	<0.2	1.22	0.47	<10	<0.2	0.11	0.6
TL3-1	Vegetation			<4	24.52	>5	<1	3	2.58	2771	0.015	332	0.48	0.077	>10	<0.1	<0.2	0.10	0.60	<10	<0.2	0.08	0.8
TL3-2	Vegetation			<4	27.26	3.946	<1	<1	2.87	3474	0.013	249	0.26	0.037	>10	<0.1	<0.2	0.15	0.52	<10	<0.2	0.19	0.5
TL3-3	Vegetation			<4	27.05	3.155	<1	1	2.67	3424	0.010	347	0.37	0.068	>10	<0.1	<0.2	0.14	0.46	<10	<0.2	0.11	0.7
TL3-4	Vegetation			<4	24.14	4.737	<1	<1	3.59	2322	0.016	324	0.72	0.049	>10	<0.1	<0.2	0.93	0.59	11	<0.2	0.16	1.1
TL3-5	Vegetation			<4	25.54	4.878	<1	<1	4.27	1833	0.016	421	0.70	0.079	>10	<0.1	<0.2	0.32	0.51	<10	0.4	0.09	0.9
TL3-6	Vegetation			<4	26.72	3.679	<1	<1	3.13	5509	0.011	326	0.45	0.095	>10	<0.1	<0.2	<0.04	0.51	<10	0.3	0.11	0.7
TL3-7	Vegetation			<4	25.12	>5	<1	<1	2.92	3382	0.016	301	0.60	0.041	>10	<0.1	<0.2	0.64	0.48	<10	0.3	0.09	1.0
TL3-8	Vegetation			<4	25.33	4.458	<1	<1	2.47	5798	0.014	254	0.52	0.052	>10	<0.1	<0.2	1.04	0.47	<10	<0.2	0.15	1.3
TL3-9	Vegetation			<4	23.82	4.710	<1	<1	2.91	1742	0.016	280	0.60	0.046	>10	<0.1	<0.2	2.42	0.56	<10	<0.2	0.09	1.5
TL3-10	Vegetation			<4	27.15	3.450	<1	<1	2.14	4566	0.011	275	0.67	0.046	>10	<0.1	<0.2	4.32	0.45	<10	0.3	0.07	1.6
TL3-11	Vegetation			<4	23.87	4.875	<1	<1	2.06	5254	0.015	294	0.72	0.081	>10	0.1	<0.2	1.57	0.54	<10	<0.2	0.07	1.4
TL3-12	Vegetation			<4	22.88	3.793	<1	<1	3.00	6527	0.013	197	0.55	0.070	>10	<0.1	<0.2	0.94	0.48	<10	<0.2	0.11	1.4



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Project: None Given
 Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Cs	1F Ge	1F Hf	1F Nb	1F Rb	1F Sn	1F Ta	1F Zr	1F Y	1F Ce	1F In	1F Re	1F Be	1F Li	1F Pr	1F Nd	1F Sm	1F Eu	1F Gd	1F Tb
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	0.04
SJ-04-3	Vegetation	18.74	<0.2	<0.04	0.08	555.6	0.3	<0.1	<0.2	0.77	0.3	0.10	2	<0.2	0.5	0.10	0.43	0.09	<0.04	0.16	<0.04
OVEN STD-1	Pulp	7.27	<0.2	<0.04	0.10	269.3	4.4	<0.1	1.6	0.51	3.4	<0.04	4	<0.2	1.9	0.37	1.32	0.28	<0.04	0.28	<0.04
SJ-04-4	Vegetation	12.78	<0.2	<0.04	<0.04	413.4	0.4	<0.1	<0.2	0.73	0.4	<0.04	<2	<0.2	0.7	0.07	0.33	0.07	<0.04	0.21	<0.04
SJ-04-5	Vegetation	27.43	<0.2	<0.04	<0.04	694.6	<0.2	<0.1	<0.2	0.92	0.5	<0.04	<2	<0.2	0.7	0.07	0.27	0.10	<0.04	0.26	<0.04
SJ-04-6	Vegetation	15.78	<0.2	<0.04	<0.04	440.3	<0.2	<0.1	<0.2	0.55	0.4	<0.04	4	<0.2	0.9	0.05	0.26	0.06	<0.04	0.18	<0.04
SJ-04-7	Vegetation	23.36	<0.2	<0.04	<0.04	606.7	0.4	<0.1	<0.2	0.36	0.4	<0.04	<2	<0.2	0.8	0.06	0.31	0.08	<0.04	0.07	<0.04
SJ-04-8	Vegetation	20.26	<0.2	<0.04	<0.04	503.2	<0.2	<0.1	<0.2	0.66	0.4	<0.04	<2	<0.2	0.6	0.05	0.27	0.07	<0.04	0.21	<0.04
TL2-1	Vegetation	2.73	<0.2	<0.04	<0.04	238.6	<0.2	<0.1	<0.2	0.82	1.0	<0.04	<2	<0.2	0.6	0.11	0.50	0.12	<0.04	0.17	<0.04
TL2-2	Vegetation	9.73	<0.2	<0.04	<0.04	273.0	<0.2	<0.1	<0.2	1.75	1.1	<0.04	3	<0.2	0.9	0.23	0.74	0.26	<0.04	0.31	0.04
TL2-3	Vegetation	4.80	<0.2	<0.04	0.05	210.5	<0.2	<0.1	<0.2	1.47	2.0	<0.04	2	<0.2	0.5	0.24	1.02	0.18	<0.04	0.26	<0.04
TL2-4	Vegetation	12.49	<0.2	<0.04	<0.04	582.4	<0.2	<0.1	<0.2	1.46	1.0	<0.04	<2	<0.2	0.4	0.15	0.40	0.10	<0.04	0.11	<0.04
TL2-5	Vegetation	10.84	0.2	<0.04	<0.04	466.2	<0.2	<0.1	<0.2	0.50	0.5	0.08	<2	<0.2	1.0	0.09	0.20	<0.04	<0.04	0.11	<0.04
TL2-6	Vegetation	9.67	<0.2	<0.04	<0.04	530.7	<0.2	<0.1	<0.2	1.51	0.6	<0.04	<2	<0.2	0.7	0.19	0.67	0.19	<0.04	0.22	<0.04
TL2-7	Vegetation	5.02	<0.2	<0.04	<0.04	259.5	<0.2	<0.1	<0.2	1.77	0.5	<0.04	<2	<0.2	0.6	0.26	1.11	0.19	<0.04	0.23	<0.04
TL2-8	Vegetation	10.38	<0.2	<0.04	<0.04	542.2	<0.2	<0.1	<0.2	0.41	0.3	<0.04	<2	<0.2	0.4	0.05	0.25	0.12	<0.04	0.14	<0.04
TL3-1	Vegetation	4.12	<0.2	<0.04	<0.04	472.3	<0.2	<0.1	<0.2	0.50	0.4	<0.04	<2	<0.2	0.8	0.07	0.31	0.10	<0.04	0.10	<0.04
TL3-2	Vegetation	2.26	<0.2	<0.04	<0.04	210.9	<0.2	<0.1	<0.2	0.41	0.3	<0.04	<2	<0.2	0.4	0.06	0.28	0.08	<0.04	0.09	<0.04
TL3-3	Vegetation	5.44	<0.2	<0.04	0.05	407.6	<0.2	<0.1	<0.2	0.53	0.6	<0.04	<2	<0.2	0.9	0.09	0.40	0.11	<0.04	0.18	<0.04
TL3-4	Vegetation	4.10	<0.2	<0.04	<0.04	261.4	<0.2	<0.1	<0.2	0.66	0.9	<0.04	4	<0.2	1.1	0.10	0.32	0.08	<0.04	0.11	<0.04
TL3-5	Vegetation	2.04	<0.2	<0.04	<0.04	170.6	<0.2	<0.1	<0.2	0.54	0.5	<0.04	<2	<0.2	0.5	0.09	0.35	0.06	<0.04	0.10	<0.04
TL3-6	Vegetation	2.54	<0.2	<0.04	0.05	219.5	0.3	<0.1	<0.2	0.36	0.5	<0.04	<2	<0.2	1.0	0.05	0.28	<0.04	<0.04	0.06	<0.04
TL3-7	Vegetation	10.03	<0.2	<0.04	<0.04	308.9	<0.2	<0.1	<0.2	0.47	0.4	<0.04	<2	<0.2	0.7	0.05	0.23	0.08	<0.04	0.11	<0.04
TL3-8	Vegetation	9.91	<0.2	<0.04	<0.04	803.5	<0.2	<0.1	<0.2	0.29	0.3	<0.04	<2	<0.2	0.7	<0.04	0.15	<0.04	<0.04	0.16	<0.04
TL3-9	Vegetation	9.72	0.3	<0.04	<0.04	665.8	<0.2	<0.1	<0.2	2.37	0.9	<0.04	<2	<0.2	0.6	0.13	0.82	0.11	<0.04	0.25	<0.04
TL3-10	Vegetation	17.44	<0.2	<0.04	0.04	563.2	<0.2	<0.1	<0.2	0.97	0.6	<0.04	6	<0.2	0.8	0.07	0.26	0.07	<0.04	0.15	<0.04
TL3-11	Vegetation	15.99	<0.2	<0.04	0.04	750.1	<0.2	<0.1	<0.2	0.78	0.6	<0.04	<2	<0.2	0.7	0.06	0.27	0.12	<0.04	0.23	<0.04
TL3-12	Vegetation	10.96	<0.2	<0.04	0.04	602.8	<0.2	<0.1	<0.2	0.64	0.7	<0.04	<2	<0.2	0.7	0.09	0.44	0.11	<0.04	0.21	<0.04



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Project: None Given
Report Date: February 24, 2012

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CERTIFICATE OF ANALYSIS

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
SJ-04-3	Vegetation	0.07	<0.04	0.04	<0.04	0.08	<0.04	<20	<4
OVEN STD-1	Pulp	0.09	<0.04	0.05	<0.04	0.08	<0.04	<20	<4
SJ-04-4	Vegetation	0.06	<0.04	<0.04	<0.04	0.09	<0.04	*	<4
SJ-04-5	Vegetation	0.08	<0.04	0.09	<0.04	0.15	<0.04	<20	<4
SJ-04-6	Vegetation	0.04	<0.04	0.05	<0.04	0.11	<0.04	*	<4
SJ-04-7	Vegetation	0.04	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
SJ-04-8	Vegetation	0.08	<0.04	<0.04	<0.04	0.12	<0.04	<20	4
TL2-1	Vegetation	0.11	<0.04	0.05	<0.04	0.12	<0.04	<20	<4
TL2-2	Vegetation	0.24	<0.04	0.11	<0.04	0.20	<0.04	<20	<4
TL2-3	Vegetation	0.11	<0.04	0.11	<0.04	0.18	<0.04	<20	<4
TL2-4	Vegetation	0.20	0.04	0.08	<0.04	0.11	<0.04	<20	<4
TL2-5	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL2-6	Vegetation	0.19	<0.04	0.10	<0.04	0.12	<0.04	<20	<4
TL2-7	Vegetation	0.20	<0.04	0.05	<0.04	0.07	<0.04	<20	<4
TL2-8	Vegetation	0.06	<0.04	<0.04	<0.04	0.12	<0.04	<20	<4
TL3-1	Vegetation	0.07	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
TL3-2	Vegetation	0.06	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL3-3	Vegetation	0.09	<0.04	<0.04	<0.04	0.04	<0.04	<20	<4
TL3-4	Vegetation	<0.04	<0.04	0.06	<0.04	0.05	<0.04	<20	<4
TL3-5	Vegetation	0.07	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL3-6	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
TL3-7	Vegetation	0.07	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL3-8	Vegetation	0.04	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
TL3-9	Vegetation	0.24	<0.04	0.13	<0.04	0.12	<0.04	<20	<4
TL3-10	Vegetation	0.16	<0.04	0.05	<0.04	0.12	<0.04	<20	<4
TL3-11	Vegetation	0.10	<0.04	<0.04	<0.04	0.08	<0.04	<20	<4
TL3-12	Vegetation	0.07	<0.04	<0.04	<0.04	0.15	<0.04	<20	<4



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QUALITY CONTROL REPORT

VAN11006956.1

Method	VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Analyte	Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Unit	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
MDL	0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04
Pulp Duplicates																				
TL1-12	Vegetation	50.27	1.252	1.03	113.8	20.61	1115	142	4.0	1.4	>10000	0.04	0.3	<0.1	1.2	<0.2	622	2.42	3.31	0.05
REP TL1-12	QC			0.97	111.6	20.31	1093	135	4.2	1.3	>10000	0.03	0.5	<0.1	1.7	<0.2	611	2.41	3.21	0.04
TL1-45	Vegetation	50.74	0.998	4.64	145.8	60.94	1479	600	26.8	4.3	>10000	0.69	7.1	0.6	33.0	1.5	728	8.64	1.50	1.59
REP TL1-45	QC			4.69	148.9	61.50	1526	549	29.1	4.1	>10000	0.70	6.3	0.7	28.8	1.5	733	8.80	1.45	1.65
MF-27	Vegetation	50.79	1.181	1.39	129.0	20.66	1231	184	17.0	3.4	>10000	0.08	0.6	<0.1	5.8	<0.2	847	9.61	0.40	<0.04
REP MF-27	QC			1.31	131.6	22.62	1304	210	17.8	3.3	>10000	0.09	0.7	<0.1	1.3	<0.2	800	10.32	0.49	<0.04
SJ-01-31	Vegetation	50.80	1.275	0.62	119.3	20.43	1487	177	13.0	2.4	>10000	0.11	1.0	<0.1	<0.4	<0.2	639	7.04	0.24	<0.04
REP SJ-01-31	QC			0.63	115.6	18.38	1469	180	12.0	2.6	>10000	0.11	1.3	<0.1	<0.4	<0.2	653	6.80	0.30	<0.04
MF2-14	Vegetation	50.89	1.064	0.85	175.7	15.67	4580	211	27.4	7.5	>10000	0.15	0.7	<0.1	1.8	<0.2	502	34.60	0.21	<0.04
REP MF2-14	QC			0.82	167.6	13.33	4499	209	27.3	7.1	>10000	0.14	0.7	<0.1	3.2	<0.2	532	25.55	0.17	0.09
SJ-04-4	Vegetation	50.36	1.082	0.48	122.1	16.17	2550	177	46.1	10.0	>10000	0.10	0.4	<0.1	2.8	<0.2	1196	15.50	0.10	<0.04
REP SJ-04-4	QC			0.48	118.9	14.89	2563	190	46.2	9.5	>10000	0.09	<0.2	<0.1	2.9	<0.2	1215	13.10	0.10	<0.04
TL2-5	Vegetation	50.71	1.088	0.91	134.6	21.13	2337	233	42.4	7.4	>10000	0.23	0.7	<0.1	3.4	<0.2	788	6.29	0.18	0.06
REP TL2-5	QC			0.76	137.3	21.67	2393	238	46.0	7.7	>10000	0.23	0.9	<0.1	2.5	<0.2	801	6.96	0.10	0.05
Reference Materials																				
STD DS8	Standard			13.83	118.2	128.1	283.3	1774	38.5	7.7	630	2.77	26.8	3.2	106.6	7.9	68	2.56	5.48	7.46
STD DS8	Standard			11.97	115.2	127.2	285.8	1687	39.6	7.6	639	2.64	24.2	3.1	109.1	7.6	64	2.38	5.62	7.41
STD DS8	Standard			13.74	117.2	128.3	351.9	2235	39.3	8.3	649	2.55	25.2	2.6	108.4	6.3	61	2.53	5.11	6.19
STD DS8	Standard			14.91	119.0	133.5	349.0	1952	41.7	8.0	694	2.65	26.6	2.7	109.9	6.2	65	2.49	5.37	5.92
STD DS8	Standard			12.60	126.0	134.7	341.8	1849	43.4	8.3	727	2.72	25.8	3.0	98.1	7.9	75	2.63	5.62	7.09
STD DS8	Standard			11.68	121.2	123.3	319.1	1489	43.1	8.2	714	2.60	25.5	2.8	196.8	6.9	72	2.36	5.05	6.75
STD DS8	Standard			12.62	117.8	121.9	334.1	1662	42.2	8.1	669	2.58	26.7	2.5	101.4	6.7	71	2.33	5.55	6.92
STD DS8	Standard			13.70	110.8	122.3	306.9	1779	37.7	7.7	642	2.47	24.7	2.7	88.5	6.7	71	2.20	4.98	6.60
STD DS8	Standard			14.47	114.2	124.4	316.7	1592	38.3	7.9	622	2.48	26.5	2.9	96.5	6.7	68	2.44	5.55	5.55
STD DS8	Standard			13.55	113.5	125.4	329.4	1574	37.2	8.1	599	2.52	29.4	2.6	92.6	6.3	65	2.52	6.37	5.55
STD DS8	Standard			14.40	124.1	132.6	344.3	1744	42.6	8.5	654	2.60	26.4	3.0	114.5	7.4	72	2.53	5.43	7.44
STD DS8	Standard			13.29	124.3	128.0	334.6	1776	43.2	8.5	668	2.63	25.1	3.4	99.9	7.6	76	2.57	6.09	7.61
STD DS8	Standard			15.73	119.5	159.1	350.8	2360	40.4	8.1	635	2.69	25.1	4.0	141.1	8.9	72	2.67	6.12	7.73



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Project: None Given
 Report Date: February 24, 2012

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11006956.1

Method	Analyte	Unit	MDL	1F V	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga
				ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
Pulp Duplicates																							
TL1-12	Vegetation			<4	30.46	2.026	<1	7	1.71	2852	0.009	473	0.12	0.065	>10	<0.1	<0.2	0.05	0.37	<10	0.4	0.06	0.5
REP TL1-12	QC			<4	31.35	1.919	<1	7	1.70	2987	0.009	477	0.12	0.074	>10	<0.1	<0.2	0.04	0.37	<10	0.4	<0.04	0.6
TL1-45	Vegetation			10	15.55	2.820	3	28	2.40	4013	0.038	230	0.45	0.070	>10	1.3	0.4	1.69	0.41	82	0.7	1.29	1.7
REP TL1-45	QC			11	15.58	2.870	3	31	2.37	4019	0.040	254	0.45	0.073	>10	1.0	0.3	1.82	0.41	50	1.4	1.51	1.9
MF-27	Vegetation			<4	22.67	2.572	<1	1	2.03	8374	0.011	332	0.50	0.034	9.37	<0.1	<0.2	0.36	0.30	<10	<0.2	<0.04	0.9
REP MF-27	QC			<4	23.65	2.500	<1	<1	1.98	8665	0.011	298	0.51	0.031	9.30	<0.1	<0.2	0.42	0.39	<10	<0.2	0.04	1.0
SJ-01-31	Vegetation			<4	28.63	3.059	<1	3	2.02	7276	0.014	294	0.35	0.051	>10	<0.1	<0.2	1.03	0.33	<10	0.5	<0.04	0.9
REP SJ-01-31	QC			<4	28.30	3.042	<1	3	2.00	7844	0.014	300	0.33	0.048	>10	<0.1	<0.2	1.33	0.32	<10	0.2	<0.04	1.0
MF2-14	Vegetation			<4	21.03	3.351	<1	4	2.56	4760	0.011	406	0.76	0.057	>10	<0.1	<0.2	0.44	0.58	<10	<0.2	0.05	0.4
REP MF2-14	QC			<4	21.23	3.440	<1	4	2.55	4788	0.010	455	0.72	0.051	>10	0.1	<0.2	0.92	0.52	<10	0.4	<0.04	0.5
SJ-04-4	Vegetation			<4	25.17	4.489	<1	<1	2.74	4599	0.013	304	0.42	0.046	>10	0.2	<0.2	2.33	0.41	<10	<0.2	0.10	0.8
REP SJ-04-4	QC			<4	25.52	4.272	<1	<1	2.80	4700	0.012	274	0.40	0.034	>10	<0.1	<0.2	2.38	0.39	<10	0.4	0.15	0.8
TL2-5	Vegetation			<4	22.62	3.474	<1	<1	2.38	6654	0.006	332	0.72	0.132	>10	<0.1	<0.2	3.65	0.84	<10	0.5	<0.04	5.5
REP TL2-5	QC			<4	22.80	3.713	<1	<1	2.43	6500	0.006	353	0.73	0.135	>10	<0.1	<0.2	4.79	0.84	<10	0.5	<0.04	6.2
Reference Materials																							
STD DS8	Standard			42	0.72	0.078	14	110	0.56	274	0.106	<40	0.89	0.072	0.39	2.6	2.0	5.38	0.17	203	4.9	4.89	4.3
STD DS8	Standard			38	0.71	0.074	13	111	0.58	267	0.104	<40	0.85	0.074	0.39	3.2	2.1	5.25	0.16	165	4.6	4.78	4.1
STD DS8	Standard			41	0.70	0.091	14	132	0.58	326	0.113	<40	0.92	0.090	0.42	2.8	2.5	5.77	0.17	210	5.8	4.80	5.0
STD DS8	Standard			44	0.77	0.086	15	132	0.61	344	0.118	<40	0.93	0.095	0.43	3.5	2.7	5.93	0.17	220	6.4	5.58	5.2
STD DS8	Standard			50	0.78	0.091	17	128	0.67	317	0.135	<40	1.03	0.098	0.39	3.3	2.5	5.30	0.18	161	5.7	5.64	5.3
STD DS8	Standard			52	0.74	0.089	16	124	0.63	276	0.131	<40	0.95	0.091	0.37	2.8	2.2	4.96	0.17	160	5.4	5.18	4.8
STD DS8	Standard			47	0.75	0.087	16	123	0.65	302	0.122	<40	0.96	0.094	0.44	3.2	2.3	5.30	0.17	187	5.5	5.29	4.9
STD DS8	Standard			47	0.71	0.083	16	119	0.61	284	0.119	<40	0.93	0.106	0.44	2.9	2.6	4.99	0.17	159	5.6	5.09	4.7
STD DS8	Standard			39	0.69	0.084	15	118	0.59	290	0.121	<40	0.90	0.097	0.42	2.9	2.1	5.07	0.16	251	5.0	5.26	4.7
STD DS8	Standard			40	0.67	0.083	15	119	0.59	293	0.122	<40	0.91	0.088	0.41	2.8	2.3	5.08	0.16	191	5.3	4.61	4.8
STD DS8	Standard			44	0.72	0.086	16	123	0.59	321	0.122	<40	0.98	0.095	0.44	3.1	2.4	5.86	0.18	212	5.3	5.03	5.5
STD DS8	Standard			43	0.78	0.089	16	120	0.63	307	0.122	<40	0.96	0.096	0.47	3.6	2.5	6.15	0.18	229	5.9	5.29	5.6
STD DS8	Standard			45	0.71	0.085	18	132	0.66	342	0.131	42	0.97	0.094	0.49	3.9	2.6	6.18	0.18	195	5.9	6.14	6.1



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QUALITY CONTROL REPORT

VAN11006956.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Analyte	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	Eu	Gd	Tb	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.04	0.2	0.04	0.04	0.2	0.2	0.1	0.2	0.02	0.2	0.04	2	0.2	0.2	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Pulp Duplicates																					
TL1-12	Vegetation	4.75	<0.2	<0.04	<0.04	173.9	0.2	<0.1	<0.2	0.21	0.5	<0.04	<2	<0.2	0.3	0.07	0.22	0.04	<0.04	0.08	<0.04
REP TL1-12	QC	4.62	<0.2	<0.04	<0.04	172.0	0.2	<0.1	<0.2	0.19	0.5	<0.04	<2	<0.2	0.4	0.06	0.30	0.05	<0.04	0.09	<0.04
TL1-45	Vegetation	38.56	<0.2	<0.04	0.62	418.2	1.6	<0.1	<0.2	1.26	4.7	0.46	16	0.4	5.7	0.51	2.19	0.28	0.44	0.34	<0.04
REP TL1-45	QC	39.02	<0.2	0.05	0.79	412.7	1.5	<0.1	<0.2	1.44	5.4	0.56	21	1.2	5.1	0.52	1.78	0.39	0.10	0.50	0.06
MF-27	Vegetation	4.36	<0.2	<0.04	0.05	160.5	<0.2	<0.1	<0.2	0.71	0.6	<0.04	3	<0.2	0.2	0.09	0.30	0.08	<0.04	0.15	<0.04
REP MF-27	QC	4.07	<0.2	<0.04	<0.04	166.1	<0.2	<0.1	<0.2	0.65	0.7	<0.04	<2	0.2	0.4	0.07	0.44	0.06	<0.04	0.17	<0.04
SJ-01-31	Vegetation	5.39	<0.2	<0.04	<0.04	193.3	<0.2	<0.1	<0.2	0.41	0.5	<0.04	<2	<0.2	0.2	0.08	0.20	0.04	0.21	0.11	0.05
REP SJ-01-31	QC	5.50	<0.2	<0.04	0.04	188.8	<0.2	<0.1	<0.2	0.42	0.4	<0.04	2	<0.2	<0.2	0.07	0.29	0.08	0.36	0.11	<0.04
MF2-14	Vegetation	6.52	<0.2	<0.04	0.04	415.4	<0.2	<0.1	<0.2	0.33	0.6	<0.04	5	0.3	0.4	0.08	0.19	0.05	<0.04	0.17	<0.04
REP MF2-14	QC	6.89	<0.2	<0.04	<0.04	416.6	<0.2	<0.1	<0.2	0.30	0.5	<0.04	3	<0.2	0.4	0.08	0.25	0.10	<0.04	0.17	<0.04
SJ-04-4	Vegetation	12.78	<0.2	<0.04	<0.04	413.4	0.4	<0.1	<0.2	0.73	0.4	<0.04	<2	<0.2	0.7	0.07	0.33	0.07	<0.04	0.21	<0.04
REP SJ-04-4	QC	12.61	<0.2	<0.04	<0.04	441.4	0.4	<0.1	<0.2	0.78	0.4	<0.04	<2	<0.2	0.6	0.09	0.15	0.09	<0.04	0.11	<0.04
TL2-5	Vegetation	10.84	0.2	<0.04	<0.04	466.2	<0.2	<0.1	<0.2	0.50	0.5	0.08	<2	<0.2	1.0	0.09	0.20	<0.04	<0.04	0.11	<0.04
REP TL2-5	QC	11.03	0.2	<0.04	<0.04	487.0	<0.2	<0.1	<0.2	0.51	0.6	<0.04	<2	<0.2	0.9	0.10	0.28	0.11	<0.04	0.17	<0.04
Reference Materials																					
STD DS8	Standard	2.39	<0.2	0.07	1.42	35.0	6.1	<0.1	1.9	5.72	28.3	2.05	55	5.6	24.9	2.84	10.65	1.55	0.35	1.41	0.21
STD DS8	Standard	2.37	<0.2	0.07	1.26	35.5	5.8	<0.1	1.8	5.22	25.1	2.15	54	4.9	25.3	2.58	9.64	1.61	0.42	1.50	0.17
STD DS8	Standard	2.62	<0.2	0.08	1.53	43.0	7.3	<0.1	1.9	5.83	24.4	2.46	59	5.3	23.9	2.81	11.23	1.78	0.31	1.50	0.19
STD DS8	Standard	2.73	<0.2	0.13	2.05	43.1	7.4	<0.1	2.5	6.22	26.7	2.43	66	4.8	26.3	3.10	11.54	2.01	0.32	1.91	0.21
STD DS8	Standard	2.62	<0.2	0.12	2.05	39.7	7.2	<0.1	2.2	6.90	32.2	2.21	66	5.3	25.6	3.04	12.23	1.96	0.50	1.41	0.25
STD DS8	Standard	2.40	<0.2	0.11	1.99	36.5	6.2	<0.1	2.1	6.46	29.5	2.22	48	5.2	25.3	2.89	10.09	1.90	0.36	1.26	0.23
STD DS8	Standard	2.64	<0.2	0.11	2.05	39.6	6.8	<0.1	2.4	6.60	30.9	2.34	66	4.8	25.4	3.19	10.67	2.19	0.43	1.54	0.17
STD DS8	Standard	2.58	<0.2	0.15	2.32	37.2	6.3	<0.1	2.5	6.51	31.4	2.13	53	6.4	22.9	2.91	10.47	2.12	0.54	1.30	0.23
STD DS8	Standard	2.44	<0.2	0.04	1.51	38.2	6.5	<0.1	1.8	6.09	27.7	2.29	57	5.5	25.9	2.75	10.89	1.63	0.39	1.47	0.21
STD DS8	Standard	2.38	<0.2	0.08	1.40	38.2	6.7	<0.1	1.8	5.97	27.4	2.18	55	5.2	27.4	2.84	10.33	1.64	0.41	1.28	0.19
STD DS8	Standard	2.72	0.2	0.09	1.63	42.0	7.5	<0.1	2.3	6.63	31.7	2.33	66	5.6	25.1	2.98	10.20	2.09	0.39	1.57	0.16
STD DS8	Standard	2.78	<0.2	0.13	1.88	44.8	7.4	<0.1	2.7	6.99	31.7	2.52	74	6.4	26.8	2.90	11.74	1.74	0.56	1.28	0.21
STD DS8	Standard	2.87	<0.2	0.09	1.36	40.8	7.5	<0.1	2.1	6.59	32.7	2.46	68	5.8	30.7	3.54	11.03	1.99	0.46	1.48	0.22

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



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Project: None Given

Report Date: February 24, 2012

Page: 1 of 2 Part 4

QUALITY CONTROL REPORT

VAN11006956.1

Method	Analyte	1F Dy	1F Ho	1F Er	1F Tm	1F Yb	1F Lu	1F Pd	1F Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.04	0.04	0.04	0.04	0.04	0.04	20	4
Pulp Duplicates									
TL1-12	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
REP TL1-12	QC	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
TL1-45	Vegetation	0.41	<0.04	0.04	<0.04	0.16	<0.04	<20	86
REP TL1-45	QC	0.27	<0.04	0.10	<0.04	0.18	<0.04	<20	113
MF-27	Vegetation	0.09	<0.04	<0.04	<0.04	0.10	<0.04	<20	<4
REP MF-27	QC	0.06	<0.04	0.04	<0.04	0.12	<0.04	<20	<4
SJ-01-31	Vegetation	0.05	0.04	0.06	<0.04	0.11	0.04	<20	<4
REP SJ-01-31	QC	0.05	<0.04	<0.04	<0.04	0.07	<0.04	<20	<4
MF2-14	Vegetation	<0.04	<0.04	<0.04	<0.04	0.09	<0.04	<20	<4
REP MF2-14	QC	<0.04	<0.04	<0.04	<0.04	0.11	<0.04	<20	<4
SJ-04-4	Vegetation	0.06	<0.04	<0.04	<0.04	0.09	<0.04	*	<4
REP SJ-04-4	QC	0.06	<0.04	0.04	<0.04	0.12	<0.04	<20	<4
TL2-5	Vegetation	0.05	<0.04	<0.04	<0.04	0.06	<0.04	<20	<4
REP TL2-5	QC	0.12	<0.04	0.05	<0.04	<0.04	<0.04	<20	<4
Reference Materials									
STD DS8	Standard	1.18	0.22	0.72	0.09	0.60	0.09	94	324
STD DS8	Standard	0.95	0.22	0.57	0.09	0.59	0.09	93	343
STD DS8	Standard	1.16	0.20	0.64	0.08	0.62	0.09	134	381
STD DS8	Standard	1.16	0.22	0.65	0.10	0.78	0.10	122	352
STD DS8	Standard	1.18	0.28	0.54	0.11	0.60	0.16	107	341
STD DS8	Standard	1.17	0.17	0.59	0.11	0.61	0.12	110	318
STD DS8	Standard	0.99	0.21	0.64	0.08	0.71	0.11	113	345
STD DS8	Standard	1.28	0.23	0.65	0.09	0.69	0.11	104	326
STD DS8	Standard	1.21	0.20	0.58	0.08	0.58	0.10	90	322
STD DS8	Standard	1.14	0.20	0.58	0.08	0.54	0.10	95	331
STD DS8	Standard	1.36	0.22	0.60	0.10	0.64	0.12	132	394
STD DS8	Standard	1.35	0.21	0.69	0.09	0.60	0.08	137	385
STD DS8	Standard	1.21	0.27	0.72	0.13	0.70	0.09	163	409



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Report Date: February 24, 2012

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QUALITY CONTROL REPORT

VAN11006956.1

		VA475	VA475	VA475	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Rec. Wt	Pre Ash	Ashed	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.001	0.001	0.02	0.02	0.02	0.2	4	0.2	0.2	2	0.02	0.2	0.1	0.4	0.2	1	0.02	0.04	0.04
STD DS8	Standard				15.04	115.6	148.2	349.7	2071	40.0	7.8	627	2.67	26.6	3.2	122.5	8.6	74	2.42	5.74	7.71
STD DS8	Standard				12.55	107.6	127.3	304.8	1775	34.4	7.0	640	2.42	23.1	2.7	106.6	6.7	66	2.51	5.54	6.47
STD DS8	Standard				11.30	106.4	122.3	290.3	1572	34.2	6.7	675	2.38	24.1	2.7	79.1	6.9	62	2.35	4.92	6.17
STD DS8	Standard				13.50	118.8	124.3	355.3	1621	42.3	8.6	697	2.77	27.8	2.8	87.4	6.6	75	2.61	5.05	5.66
STD DS8	Standard				14.14	122.2	125.9	347.4	1773	42.2	8.6	692	2.72	28.5	2.8	91.1	6.6	74	2.78	5.24	5.92
STD DS8 Expected					13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	<2	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	<2	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	39	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	11	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	<2	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	<2	<0.02	<0.2	<0.1	0.8	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	77	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	100	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04
BLK	Blank				<0.02	<0.02	<0.02	<0.2	<4	<0.2	<0.2	<2	<0.02	<0.2	<0.1	<0.4	<0.2	<1	<0.02	<0.04	<0.04



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Project: None Given

Report Date: February 24, 2012

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11006956.1

		1F V ppm	1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %	1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Ti ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm
		4	0.02	0.002	1	1	0.02	1	0.002	40	0.02	0.002	0.02	0.1	0.2	0.04	0.04	10	0.2	0.04	0.2
STD DS8	Standard	45	0.68	0.080	17	129	0.63	333	0.128	<40	0.94	0.093	0.48	2.9	2.4	6.10	0.17	194	5.6	5.88	5.3
STD DS8	Standard	40	0.72	0.075	13	110	0.60	290	0.108	<40	0.88	0.084	0.39	3.1	2.5	4.98	0.17	184	4.8	4.71	4.0
STD DS8	Standard	40	0.77	0.078	13	109	0.59	275	0.107	<40	0.90	0.091	0.42	2.6	2.6	4.79	0.17	174	4.6	4.62	3.8
STD DS8	Standard	46	0.77	0.092	16	127	0.69	304	0.130	<40	1.03	0.100	0.46	2.6	2.7	5.19	0.18	171	6.0	5.24	5.6
STD DS8	Standard	46	0.74	0.091	16	126	0.69	321	0.130	<40	1.01	0.097	0.44	2.9	2.6	5.29	0.18	176	6.2	5.52	5.1
STD DS8 Expected		41.1	0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	<0.002	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	<0.002	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	<0.002	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	0.014	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	<0.002	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	0.010	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	0.011	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	1.9
BLK	Blank	<4	0.13	<0.002	<1	<1	<0.02	<1	<0.002	<40	<0.02	<0.002	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2
BLK	Blank	<4	<0.02	<0.002	<1	<1	<0.02	5	<0.002	<40	<0.02	0.008	<0.02	<0.1	<0.2	<0.04	<0.04	<10	<0.2	<0.04	<0.2



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Project: None Given

Report Date: February 24, 2012

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

VAN11006956.1

		1F Cs ppm 0.04	1F Ge ppm 0.2	1F Hf ppm 0.04	1F Nb ppm 0.04	1F Rb ppm 0.2	1F Sn ppm 0.2	1F Ta ppm 0.1	1F Zr ppm 0.2	1F Y ppm 0.02	1F Ce ppm 0.2	1F In ppm 0.04	1F Re ppb 2	1F Be ppm 0.2	1F Li ppm 0.2	1F Pr ppm 0.04	1F Nd ppm 0.04	1F Sm ppm 0.04	1F Eu ppm 0.04	1F Gd ppm 0.04	1F Tb ppm 0.04
STD DS8	Standard	2.77	<0.2	0.09	1.35	42.5	7.2	<0.1	1.9	6.76	31.7	2.58	69	5.9	29.4	3.35	11.02	2.03	0.45	1.69	0.19
STD DS8	Standard	2.19	<0.2	0.08	1.07	36.0	6.4	<0.1	1.4	5.35	24.3	2.10	45	4.9	26.2	2.77	9.57	1.53	0.42	1.07	0.21
STD DS8	Standard	2.21	<0.2	0.08	1.12	32.8	6.1	<0.1	1.4	5.12	25.5	2.11	44	4.8	25.9	2.85	9.25	1.63	0.34	1.42	0.19
STD DS8	Standard	2.64	<0.2	0.06	1.20	44.2	7.2	<0.1	2.2	6.75	28.7	2.56	58	4.7	28.7	2.95	10.74	1.77	0.35	1.38	0.17
STD DS8	Standard	2.66	<0.2	0.06	1.24	42.7	7.0	<0.1	2.2	6.57	28.5	2.48	50	5.2	29.6	2.78	11.09	1.88	0.40	1.51	0.21
STD DS8 Expected		2.48	0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8	2.19	55	5.2	26.34	2.87	10.6	1.65	0.31	1.29	0.18
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
BLK	Blank	<0.04	<0.2	<0.04	<0.04	<0.2	<0.2	<0.1	<0.2	<0.02	<0.2	<0.04	<2	<0.2	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Geotronics Consulting Inc.**

6204 - 125th St.
Surrey BC V3X 2E1 Canada

Project: None Given

Report Date: February 24, 2012

Page: 2 of 2 Part 4

QUALITY CONTROL REPORT

VAN11006956.1

		1F Dy ppm 0.04	1F Ho ppm 0.04	1F Er ppm 0.04	1F Tm ppm 0.04	1F Yb ppm 0.04	1F Lu ppm 0.04	1F Pd ppb 20	1F Pt ppb 4
STD DS8	Standard	1.18	0.27	0.78	0.11	0.60	0.09	151	411
STD DS8	Standard	0.90	0.18	0.59	0.07	0.54	0.06	90	333
STD DS8	Standard	1.02	0.18	0.52	0.07	0.41	0.08	93	326
STD DS8	Standard	1.03	0.22	0.65	0.08	0.60	0.10	103	345
STD DS8	Standard	1.09	0.21	0.67	0.08	0.60	0.09	105	350
STD DS8 Expected		1.05	0.2	0.57	0.08	0.57	0.09	110	339
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4
BLK	Blank	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<20	<4

15 APPENDIX –GEOCHEMISTRY DATA

LIONS GATE ENERGY INC.

EL TORO PROPERTY

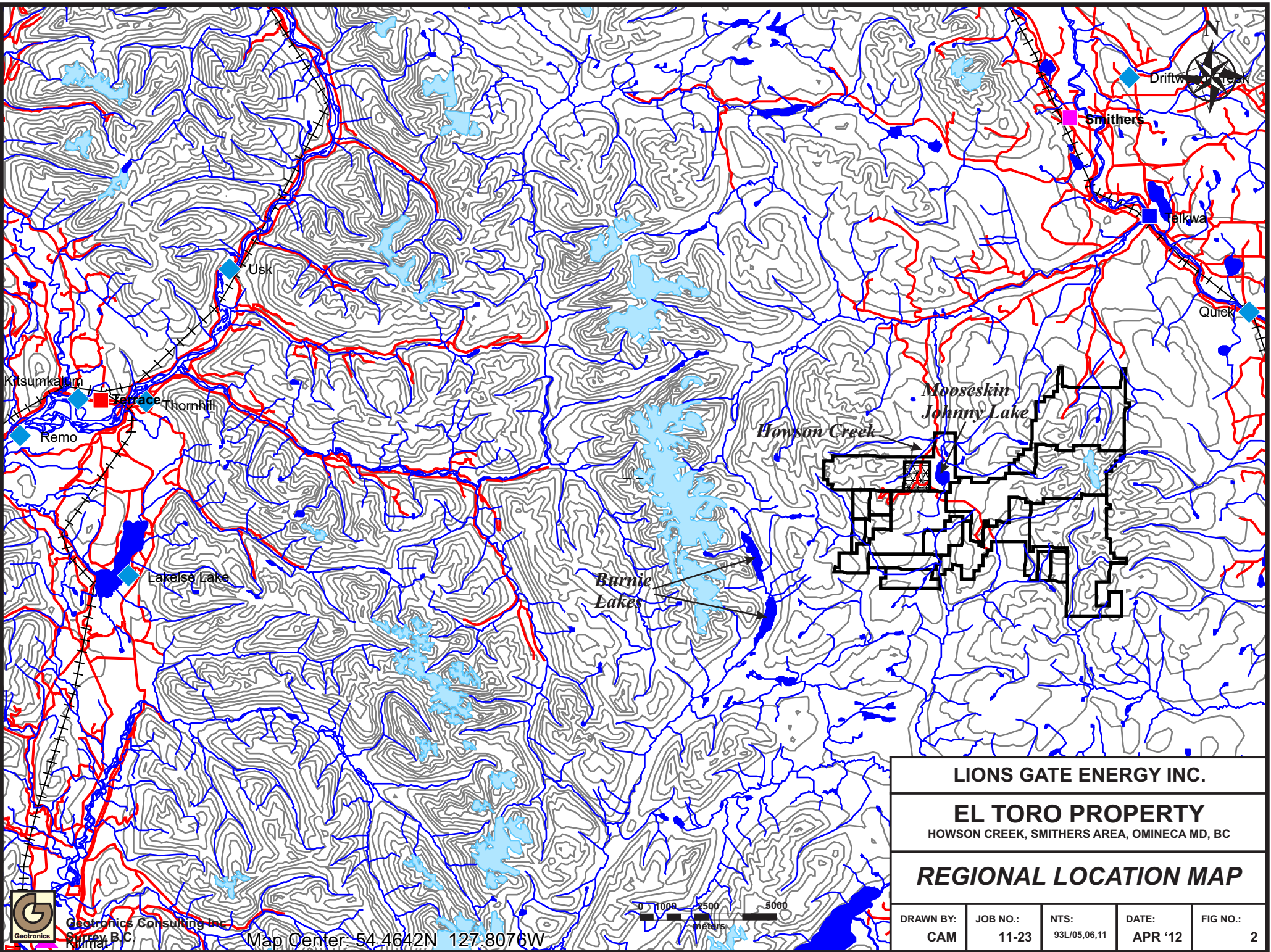
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

BC LOCATION MAP

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	11-23	93L/05,06,11	APR '12	1



Geotronics Consulting Inc
Surrey B.C.



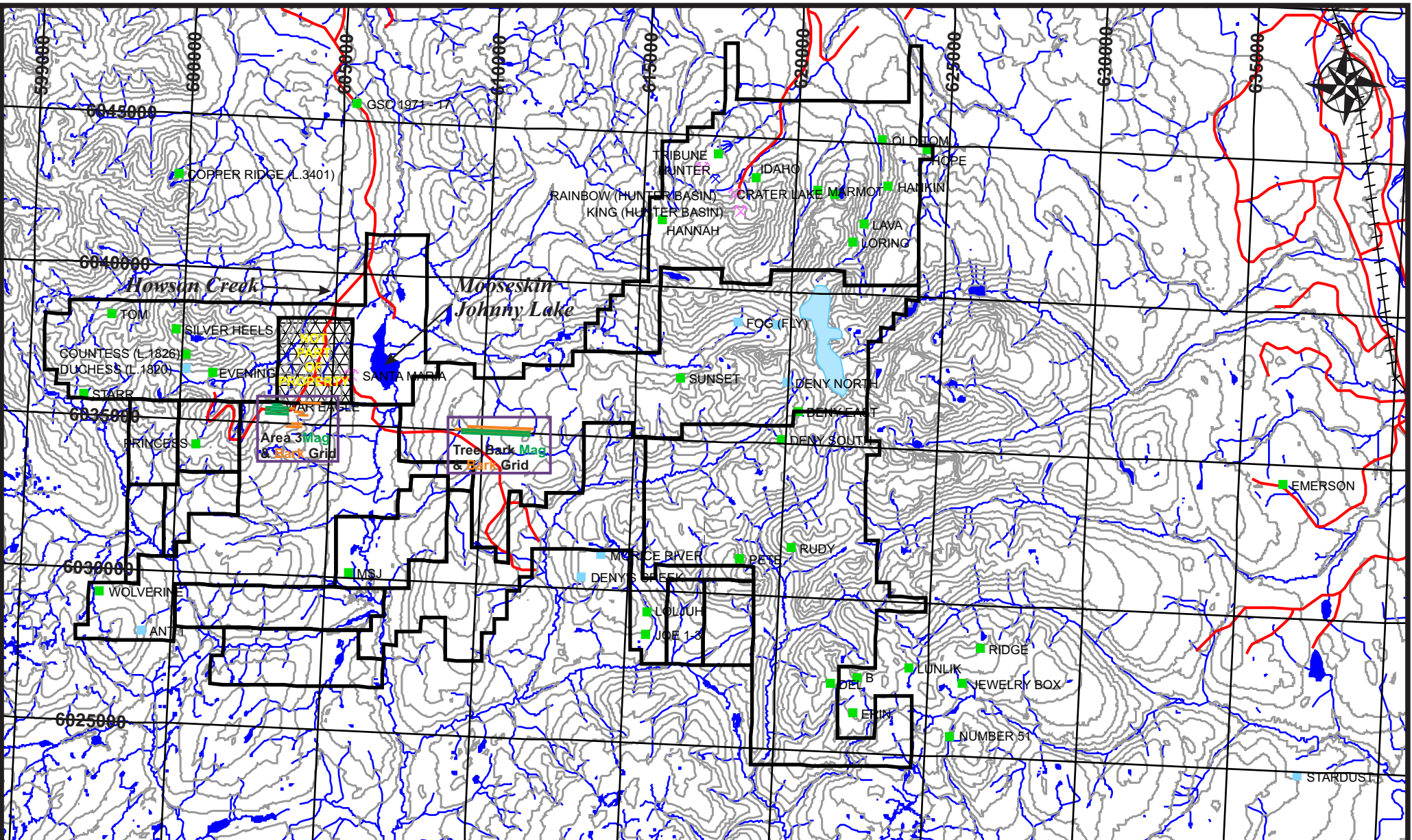
LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
REGIONAL LOCATION MAP				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	11-23	93L/05,06,11	APR '12	2



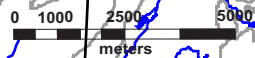
Geotronics Consulting Inc.
 Surrey, B.C.
 Canada

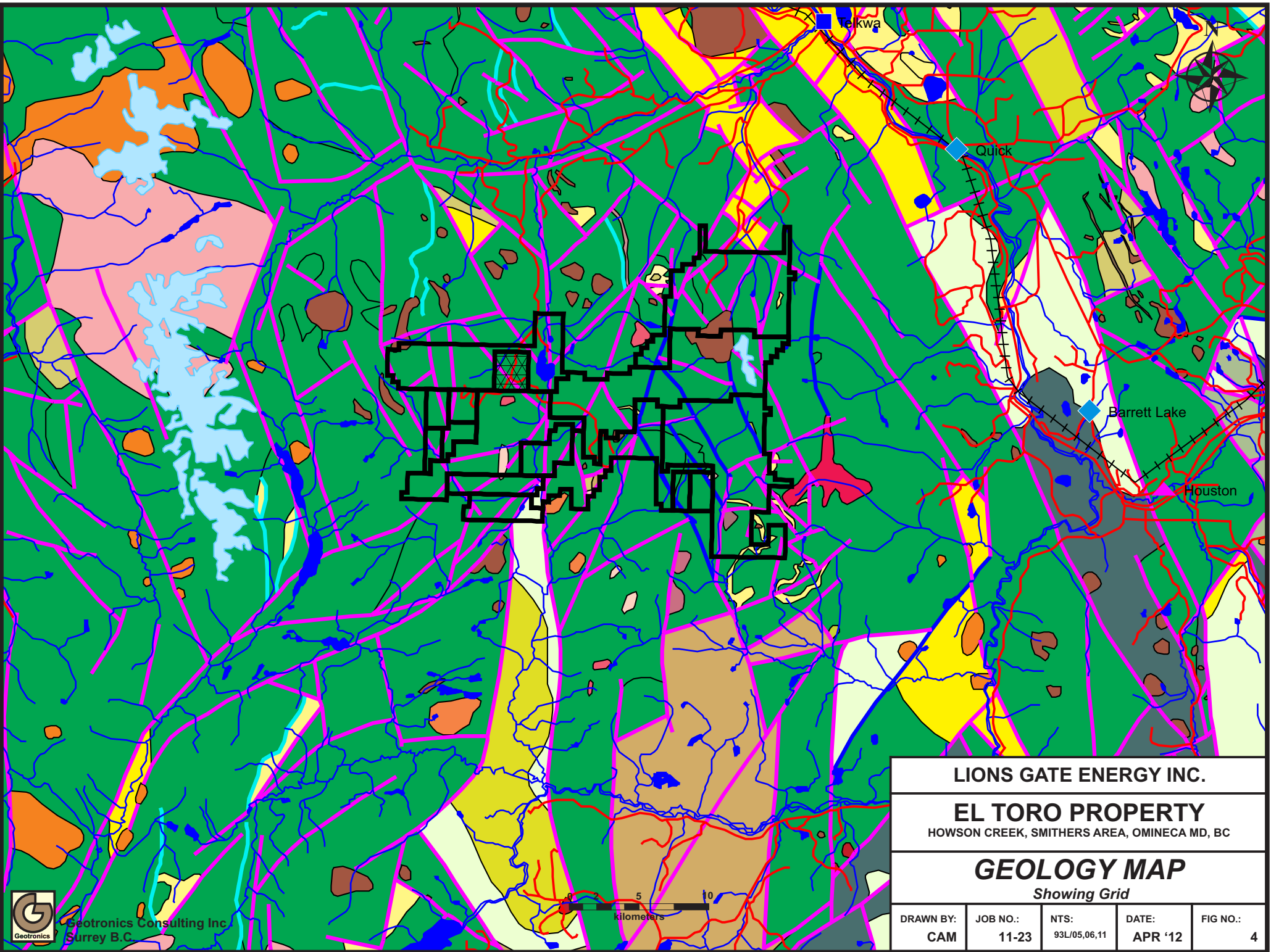


Map Center: 54.4642N 127.8076W



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
CLAIM MAP				
Showing Grid				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	11-23	93L/05,06,11	APR '12	3





LIONS GATE ENERGY INC.

EL TORO PROPERTY

HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

GEOLOGY MAP

Showing Grid

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
CAM	11-23	93L/05,06,11	APR '12	4



Geotronics Consulting Inc
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-  TOPLEY PLUTONIC SUITE Early Jurassic
granodioritic intrusive rocks
-  HAZELTON GROUP - NILKITKWA FORMATION Early Jurassic
granodioritic intrusive rocks
-  HAZELTON GROUP - TELKWA FORMATION Lower Jurassic
calc-alkaline volcanic rocks
-  UNNAMED Middle Jurassic
high level quartz phyric, felsitic intrusive rocks
-  HAZELTON GROUP - SMITHERS FORMATION Middle Jurassic
undivided sedimentary rocks
-  BOWSER LAKE GROUP - ASHMAN FORMATION Upper Jurassic
mudstone, siltstone, shale fine clastic sedimentary rocks
-  UNNAMED Late Jurassic
dioritic intrusive rocks
-  KASALKA GROUP Cretaceous
andesitic volcanic rocks
-  MCCAULEY ISLAND PLUTONIC SUITE Early Cretaceous
dioritic intrusive rocks
-  MCCAULEY ISLAND PLUTONIC SUITE Early Cretaceous
quartz monzonitic intrusive rocks
-  SKEENA GROUP - RED ROSE FORMATION Lower Cretaceous
coarse clastic sedimentary rocks
-  SKEENA GROUP Lower Cretaceous
undivided sedimentary rocks
-  BULKLEY PLUTONIC SUITE Late Cretaceous
dioritic intrusive rocks
-  BULKLEY PLUTONIC SUITE Late Cretaceous
feldspar porphyritic intrusive rocks
-  BULKLEY PLUTONIC SUITE Late Cretaceous
high level quartz phyric, felsitic intrusive rocks
-  BULKLEY PLUTONIC SUITE Late Cretaceous
intrusive rocks, undivided
-  BULKLEY PLUTONIC SUITE Late Cretaceous
quartz dioritic intrusive rocks
-  UNNAMED Paleocene to Eocene
undivided sedimentary rocks
-  GOOSLY LAKE FORMATION Eocene
alkaline volcanic rocks
-  UNNAMED Eocene
high level quartz phyric, felsitic intrusive rocks
-  GOOSLY PLUTONIC SUITE Eocene
monzodioritic to gabbroic intrusive rocks
-  NANIKA PLUTONIC SUITE Eocene
intrusive rocks, undivided
-  OOTSA LAKE GROUP Eocene
rhyolite, felsic volcanic rocks

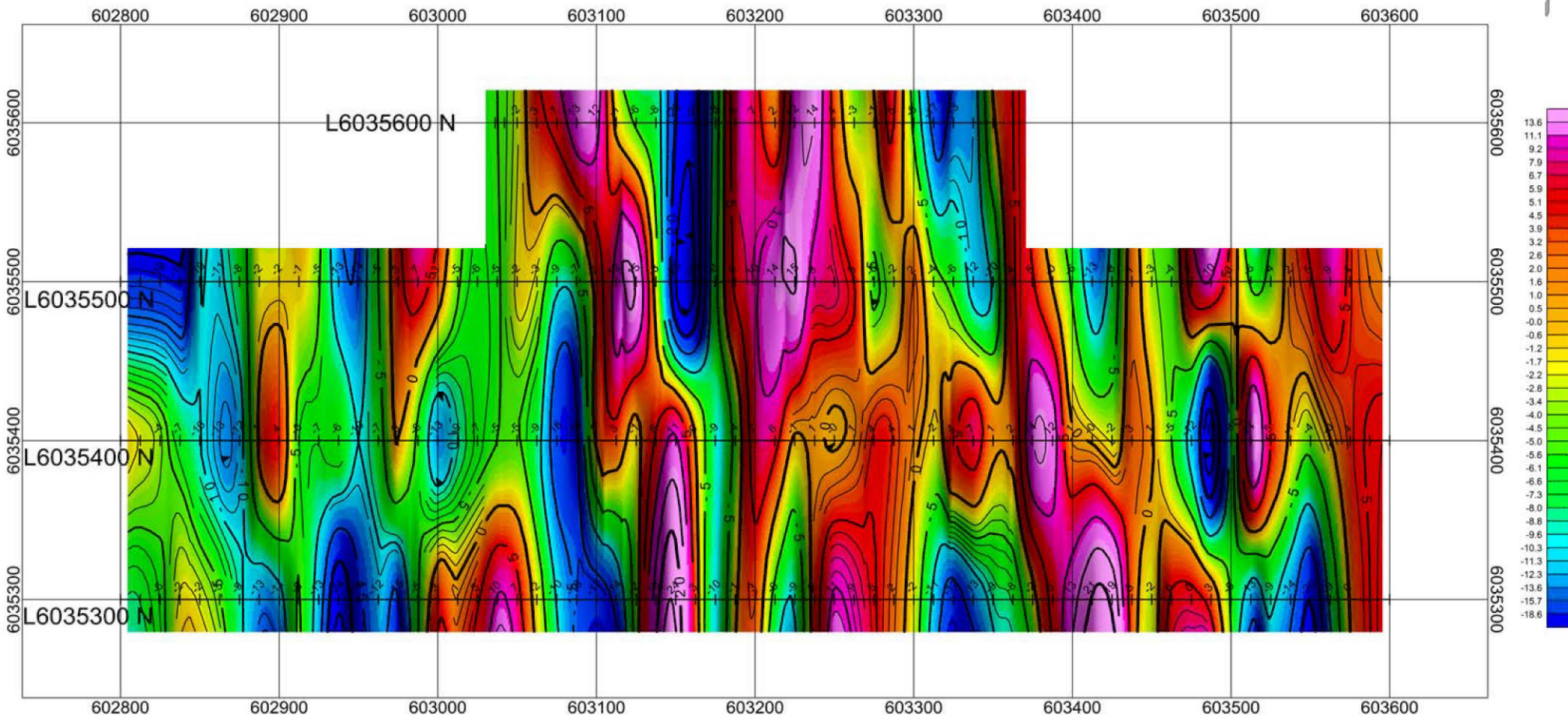
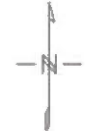
LIONS GATE ENERGY INC.

EL TORO PROPERTY
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

GEOLOGY LEGEND

DRAWN BY: CAM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: 4a
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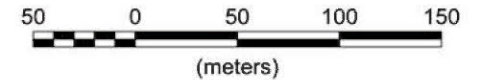


Survey Dates:
December 1st - 8th, 2011

Instrumentation:
Gem Systems GSM-19

Transmitter:
Jim Creek at 25.2 KHz

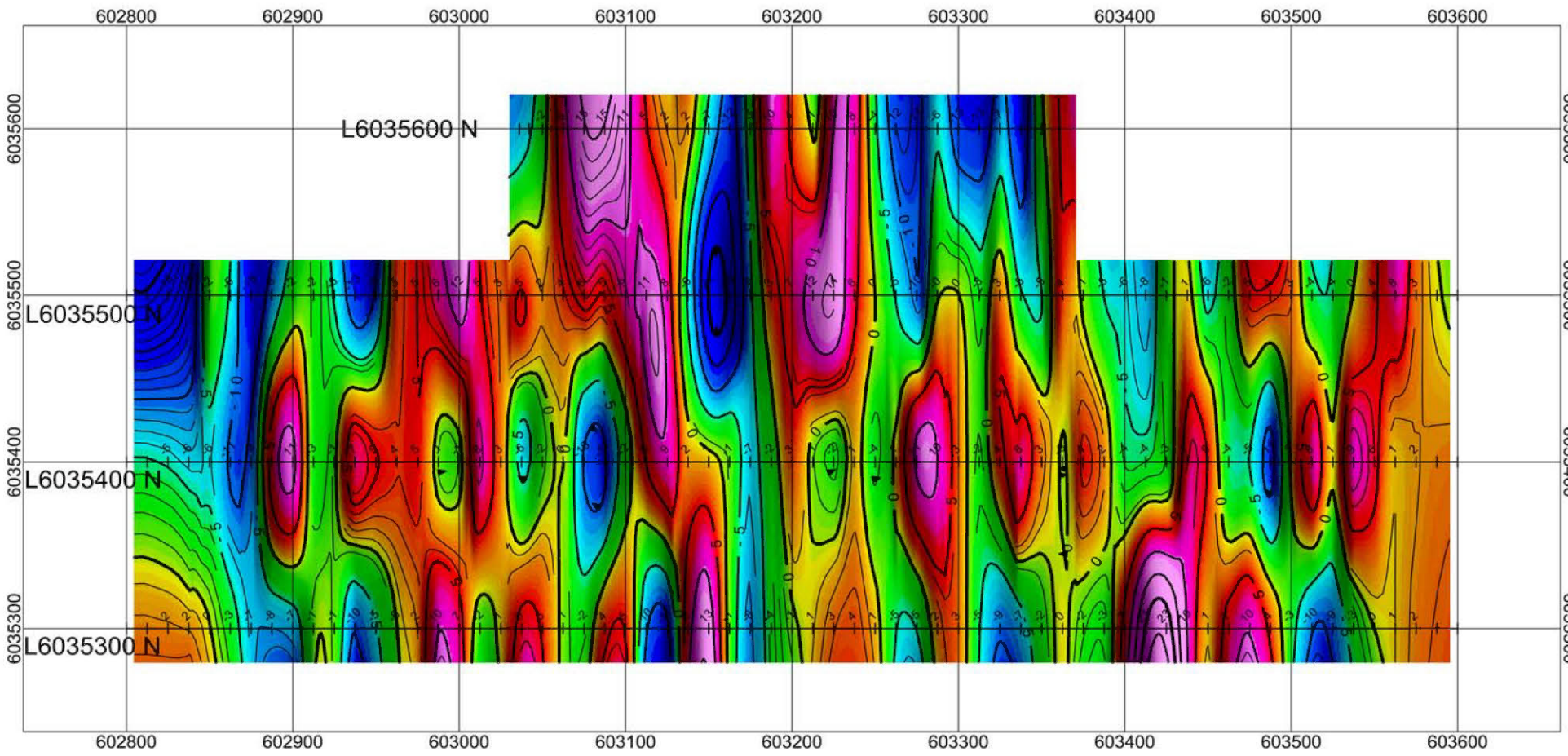
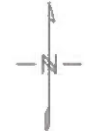

24.8 kHz
Transmitter Direction



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
VLF-EM SURVEY - 24.8 kHz				
CONTOUR PLAN				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GP-2a



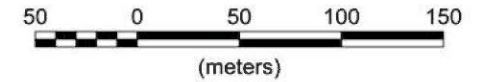
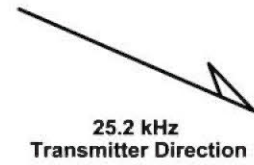
Geotronics Consulting Inc
Surrey B.C.



Survey Dates:
December 1st - 8th, 2011

Instrumentation:
Gem Systems GSM-19

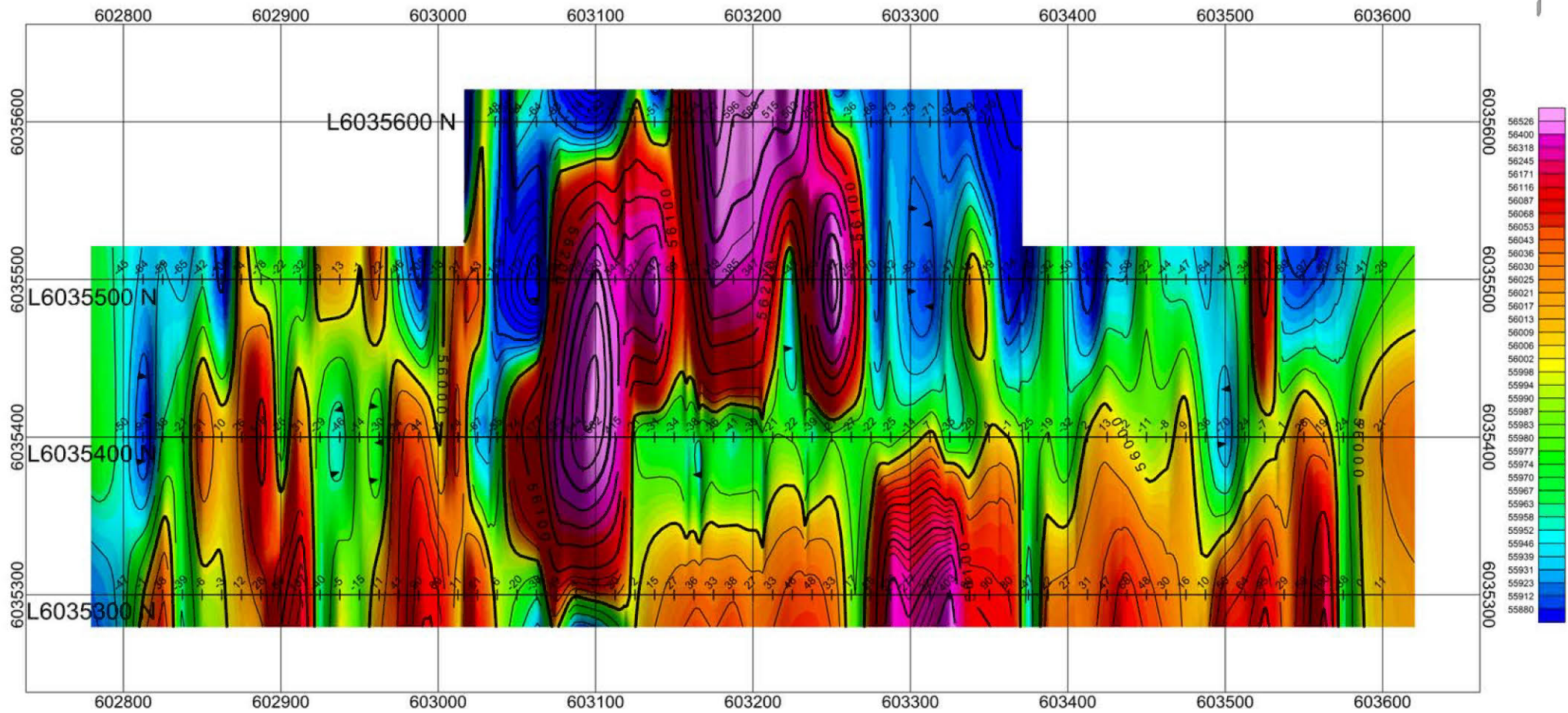
Transmitter:
LaMoure at 25.2 KHz



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
VLF-EM SURVEY - 25.2 kHz				
CONTOUR PLAN				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GP-2b



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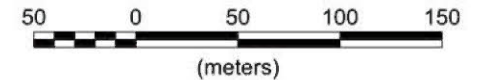


Survey Date:
December 1st - 8th, 2011

Instrumentation:
Magnetometer
GEM Systems Model GSM-19;
Proton Precession Magnetometer
Geometrics, Model G-856

Base:
56,000 nT (this value has been
subtracted from each reading)

Contour Interval:
50 nT



LIONS GATE ENERGY INC.

EL TORO PROPERTY

AREA 3 GRID

HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

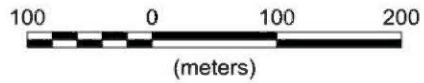
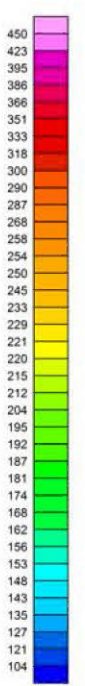
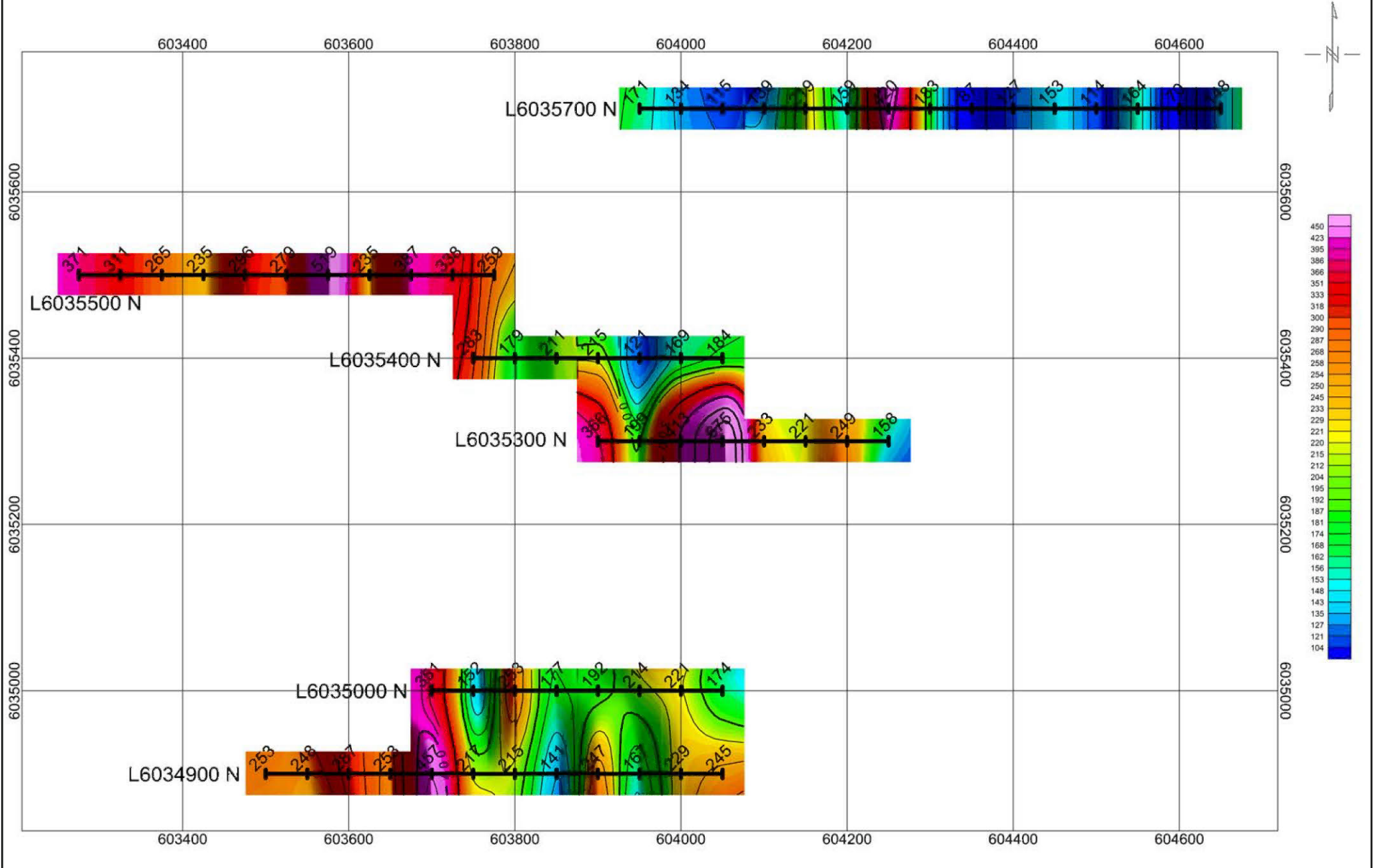
MAGNETIC SURVEY

CONTOUR PLAN

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GP-1
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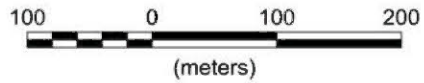
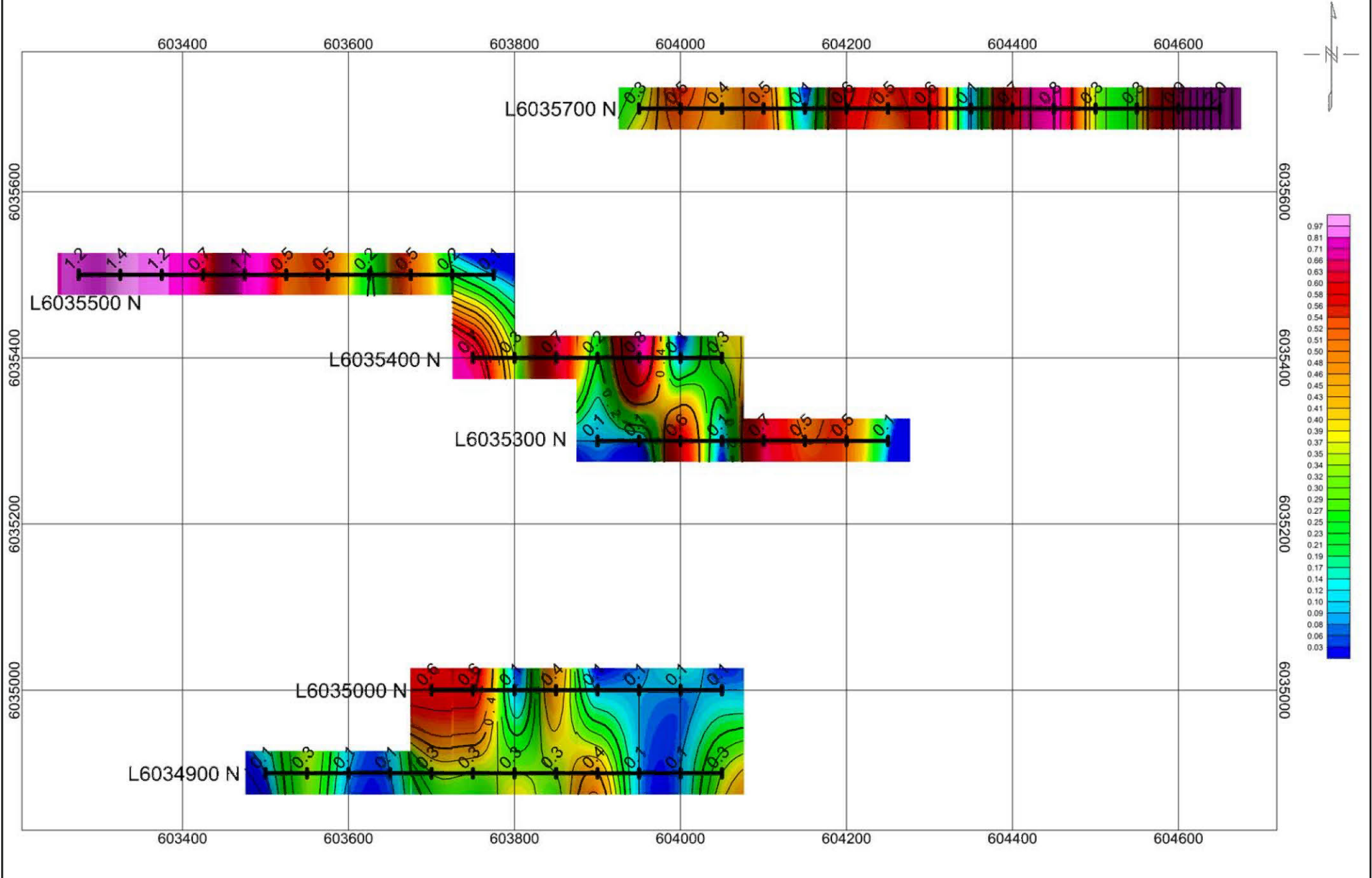
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
SILVER				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-1a



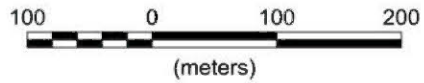
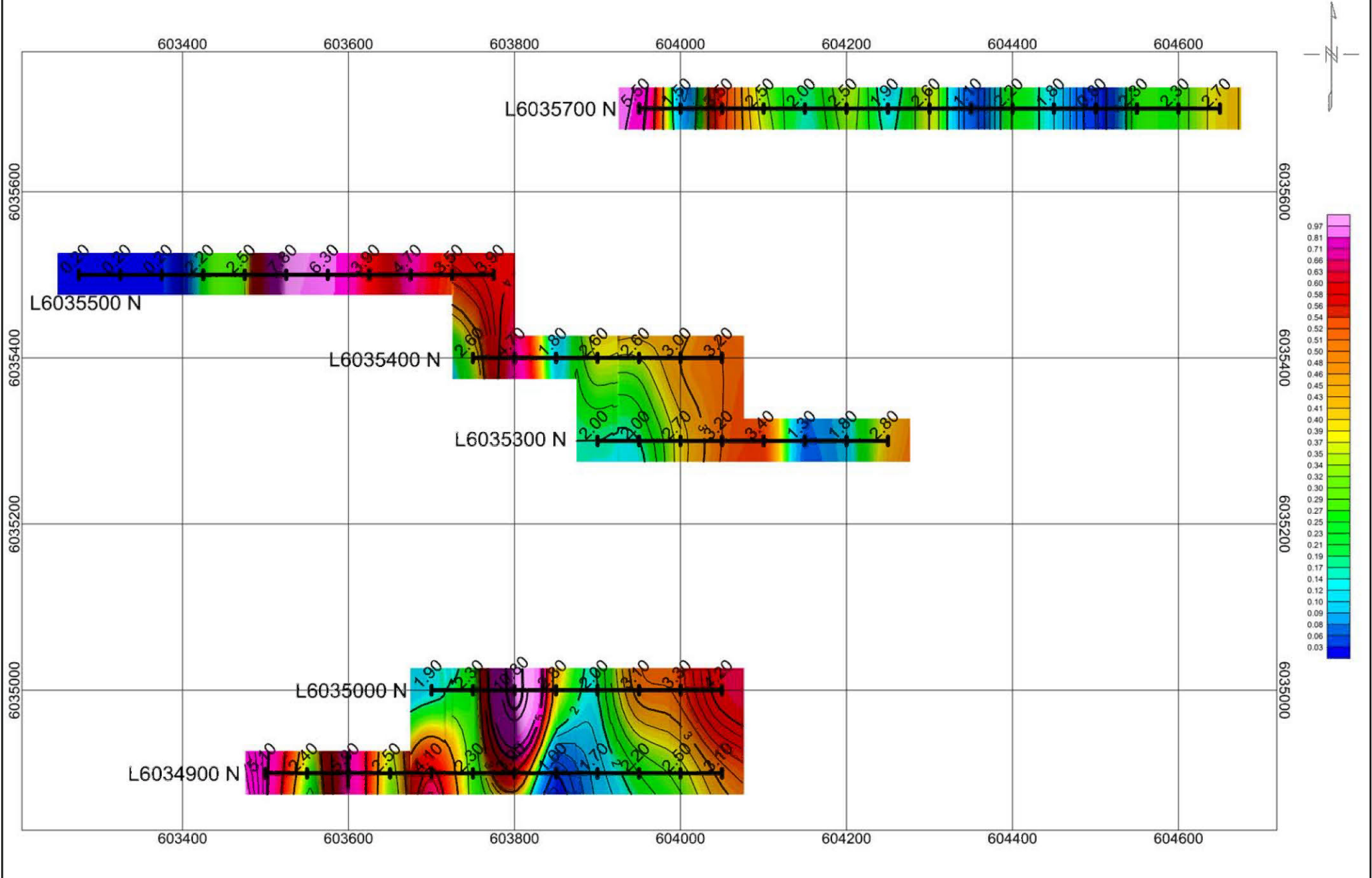
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
ARSENIC				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-2a



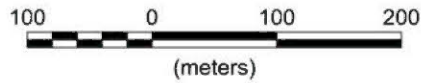
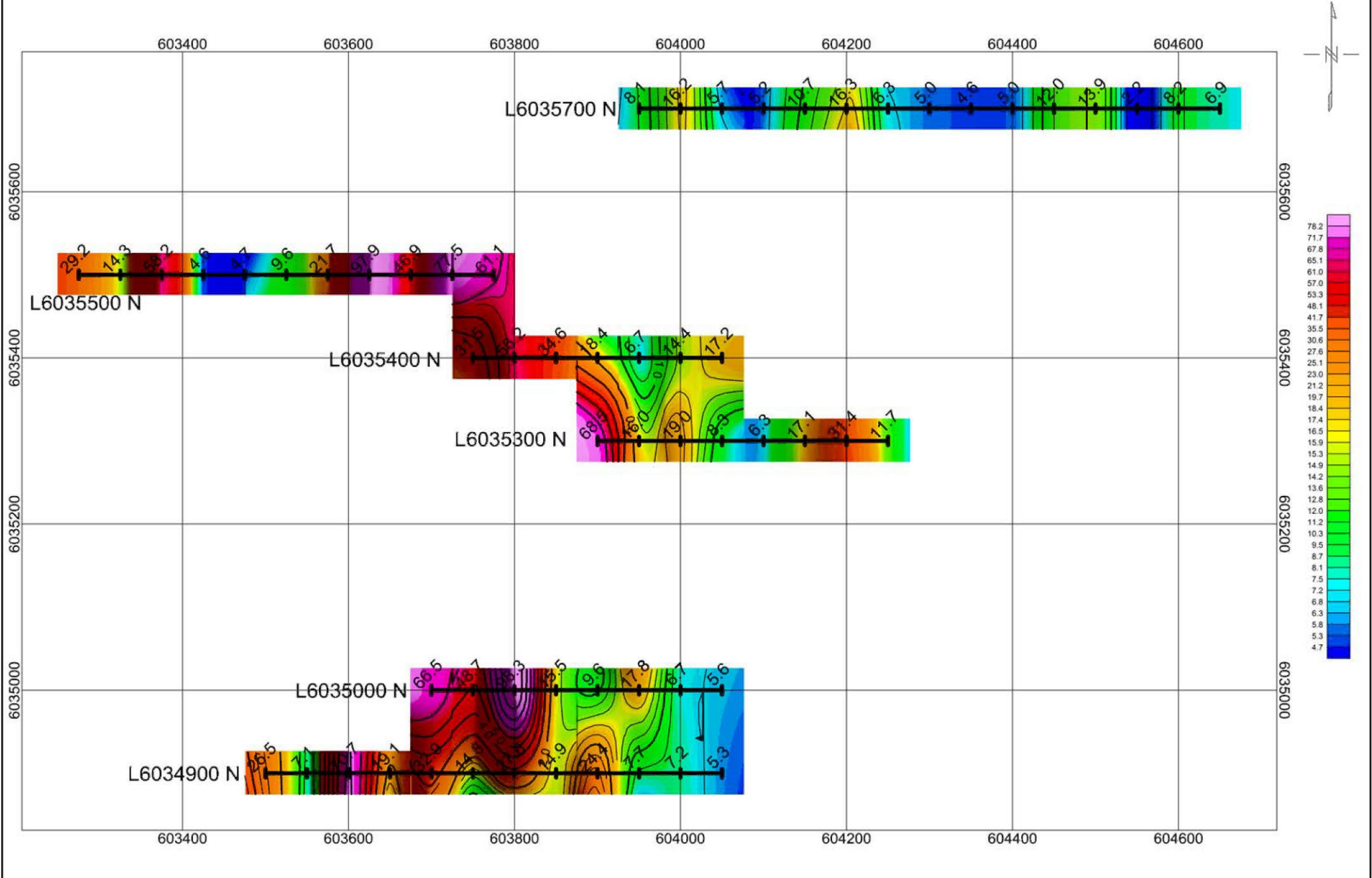
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
GOLD				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-3a



Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

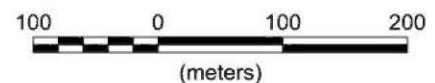
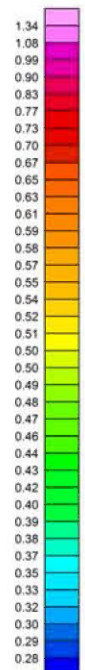
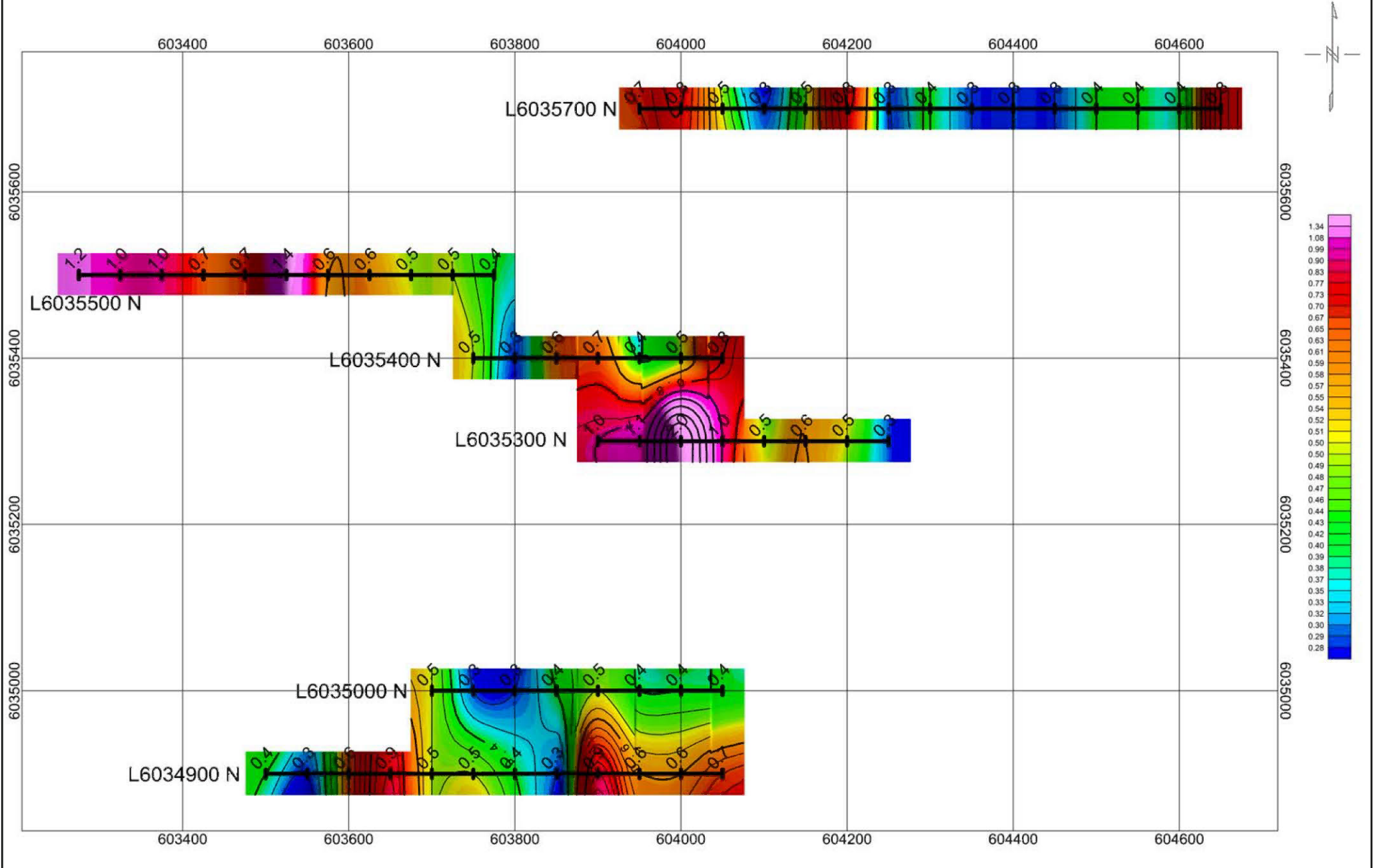
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
CADMIUM				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-4a



Geotronics Consulting Inc
Surrey B.C.



Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

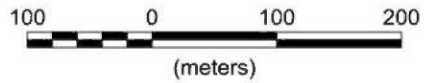
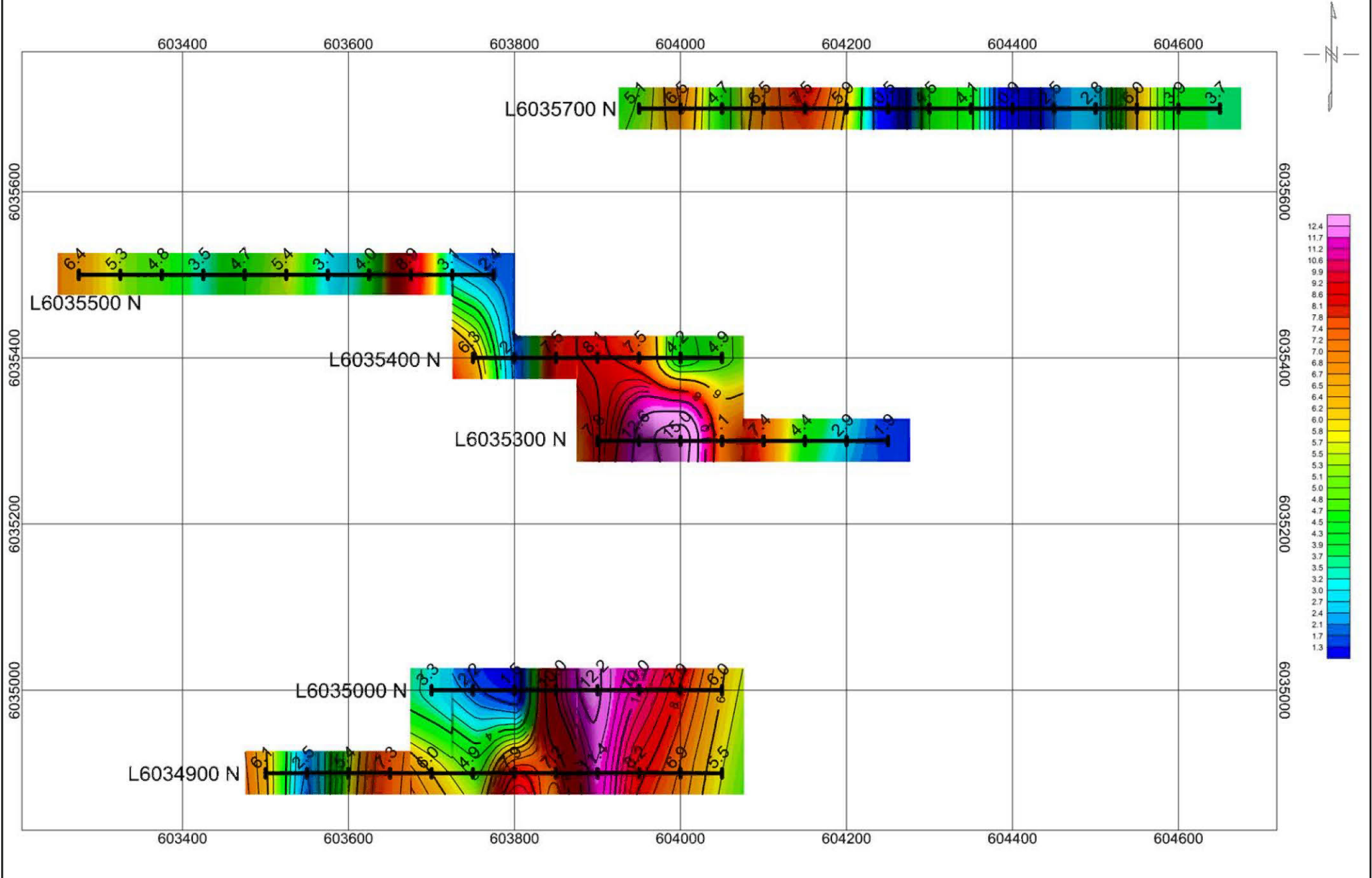
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
CERIUM				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-5a



Geotronics Consulting Inc
Surrey B.C.



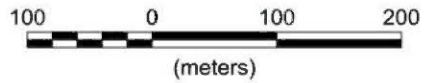
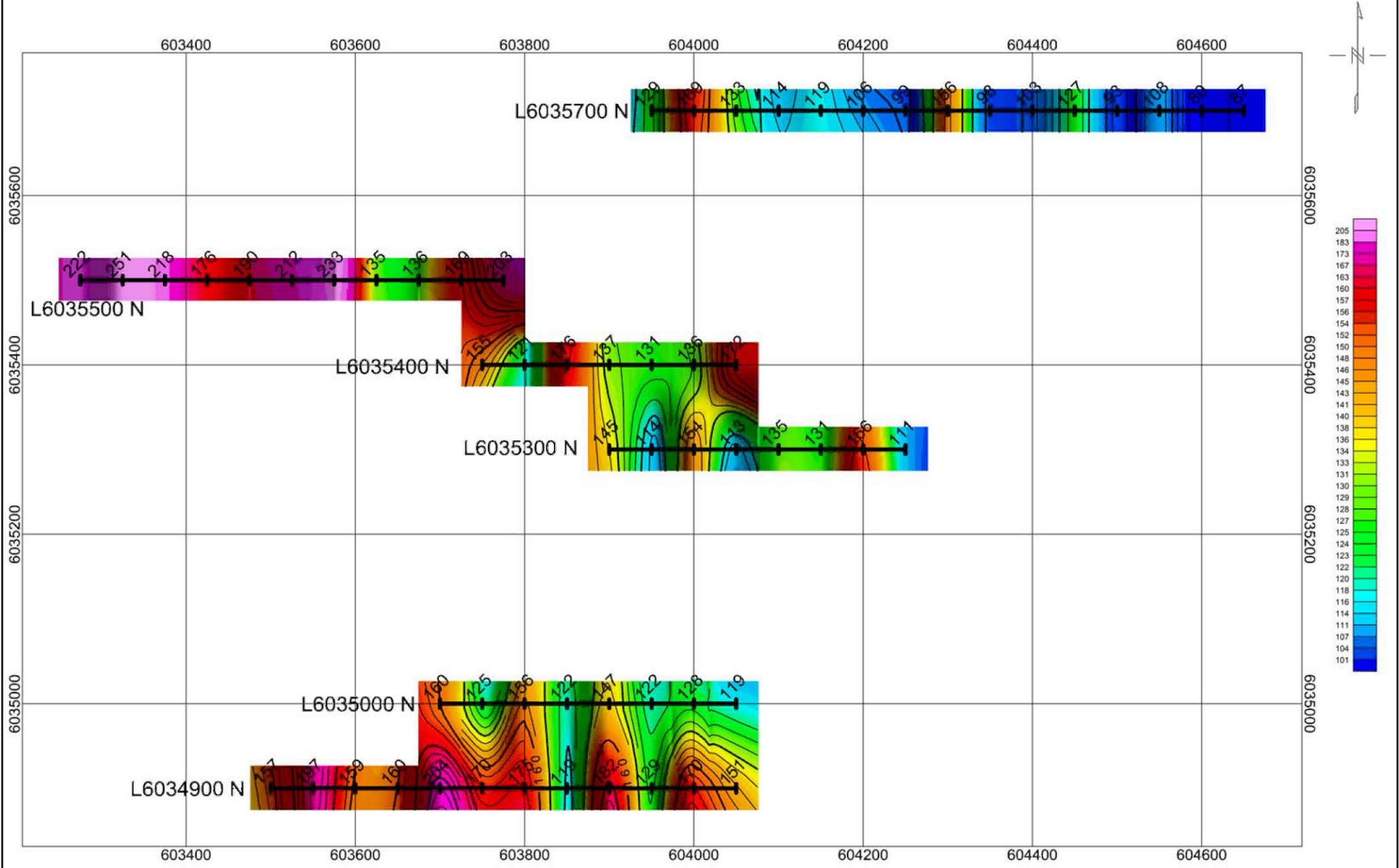
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
COBALT				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-6a



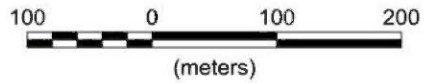
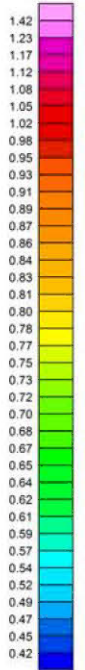
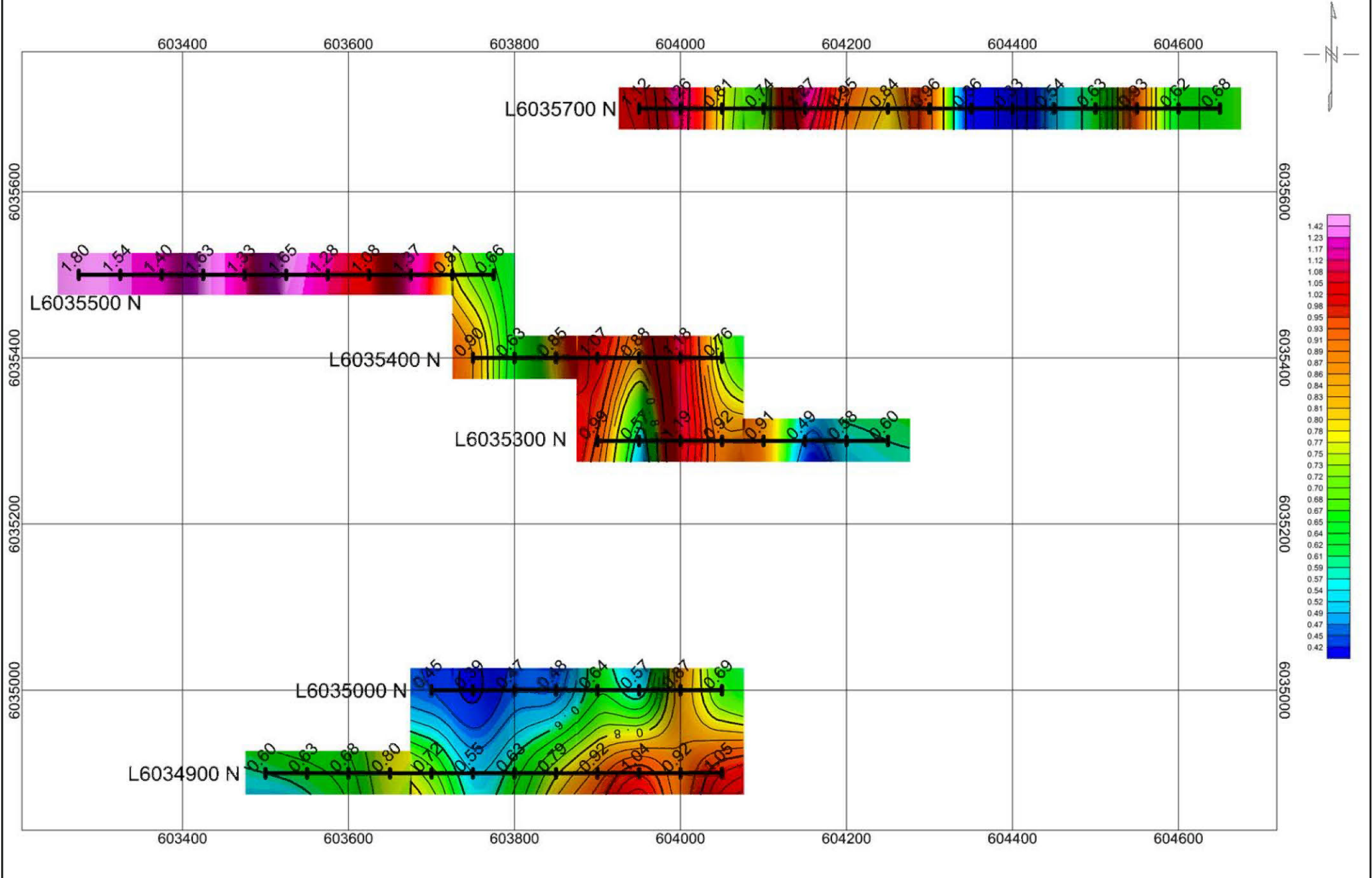
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
COPPER				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-7a



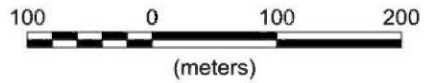
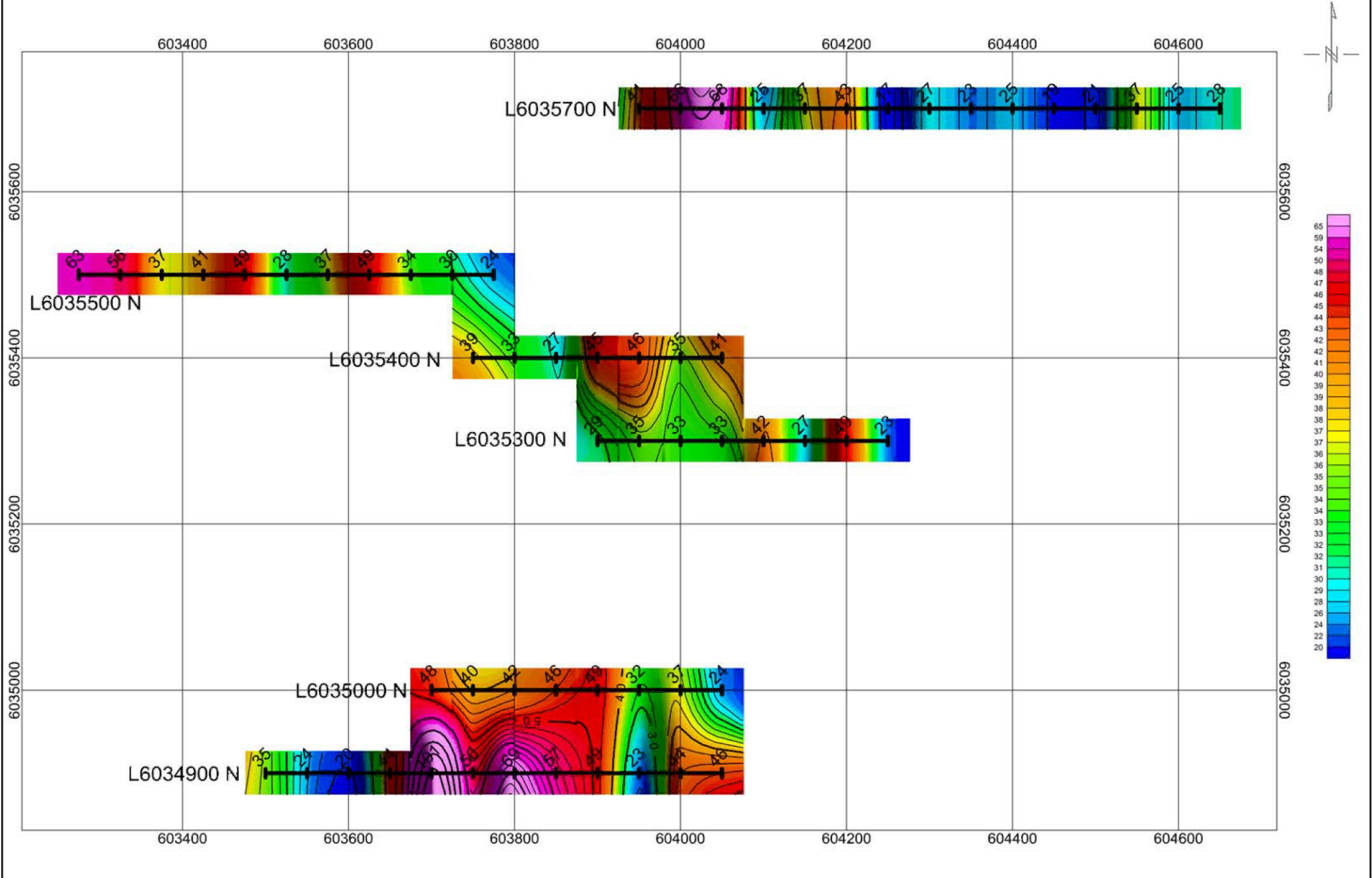
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
MOLYBDENUM				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-8a



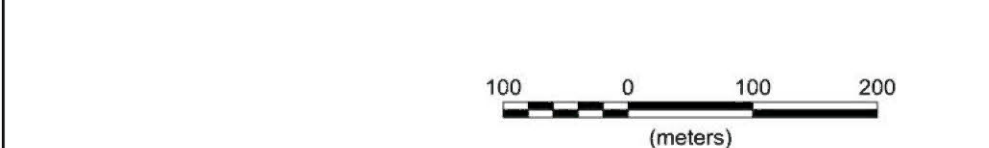
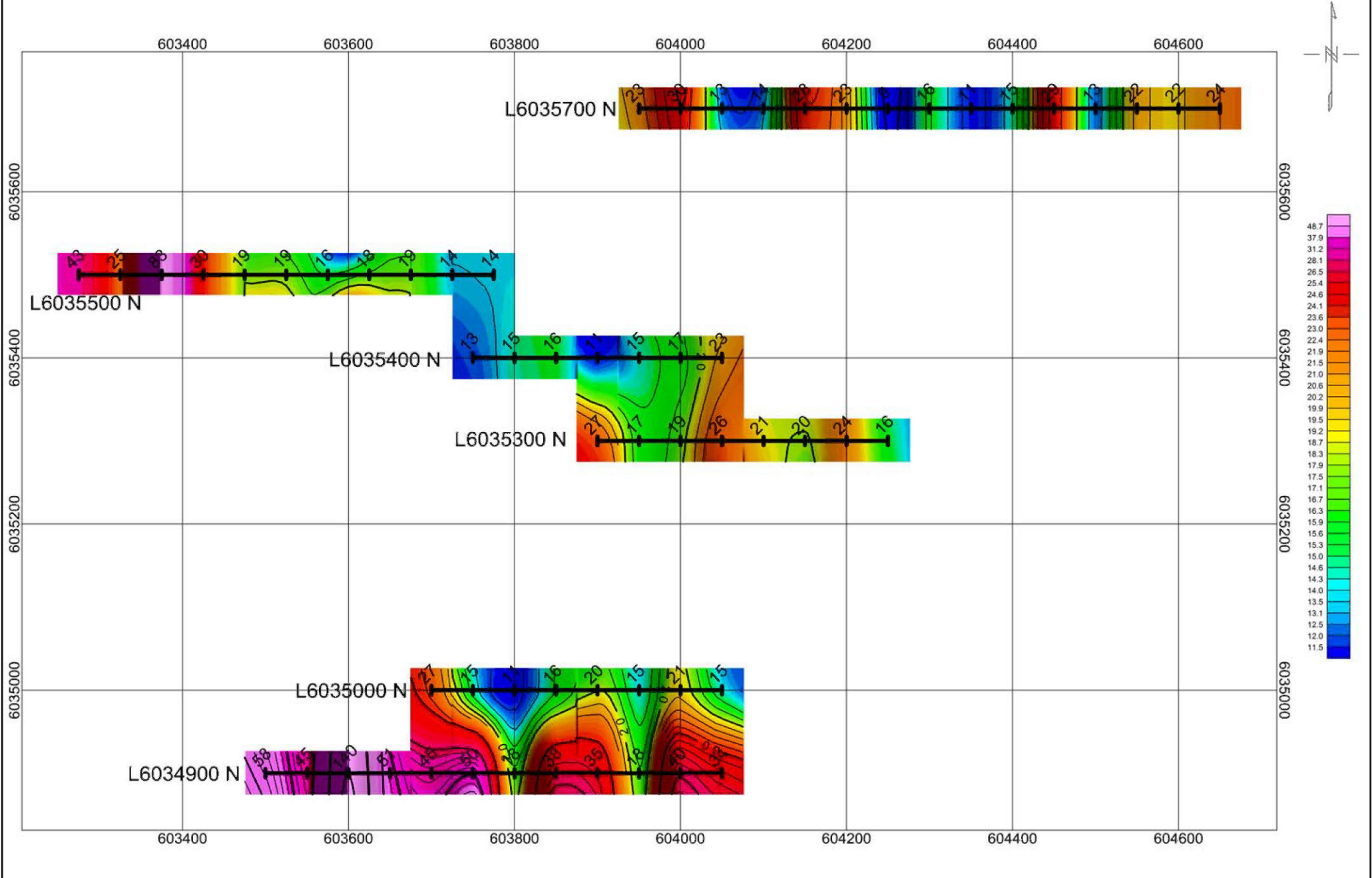
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
NICKEL				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-9a



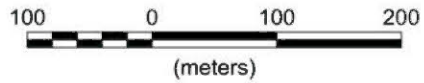
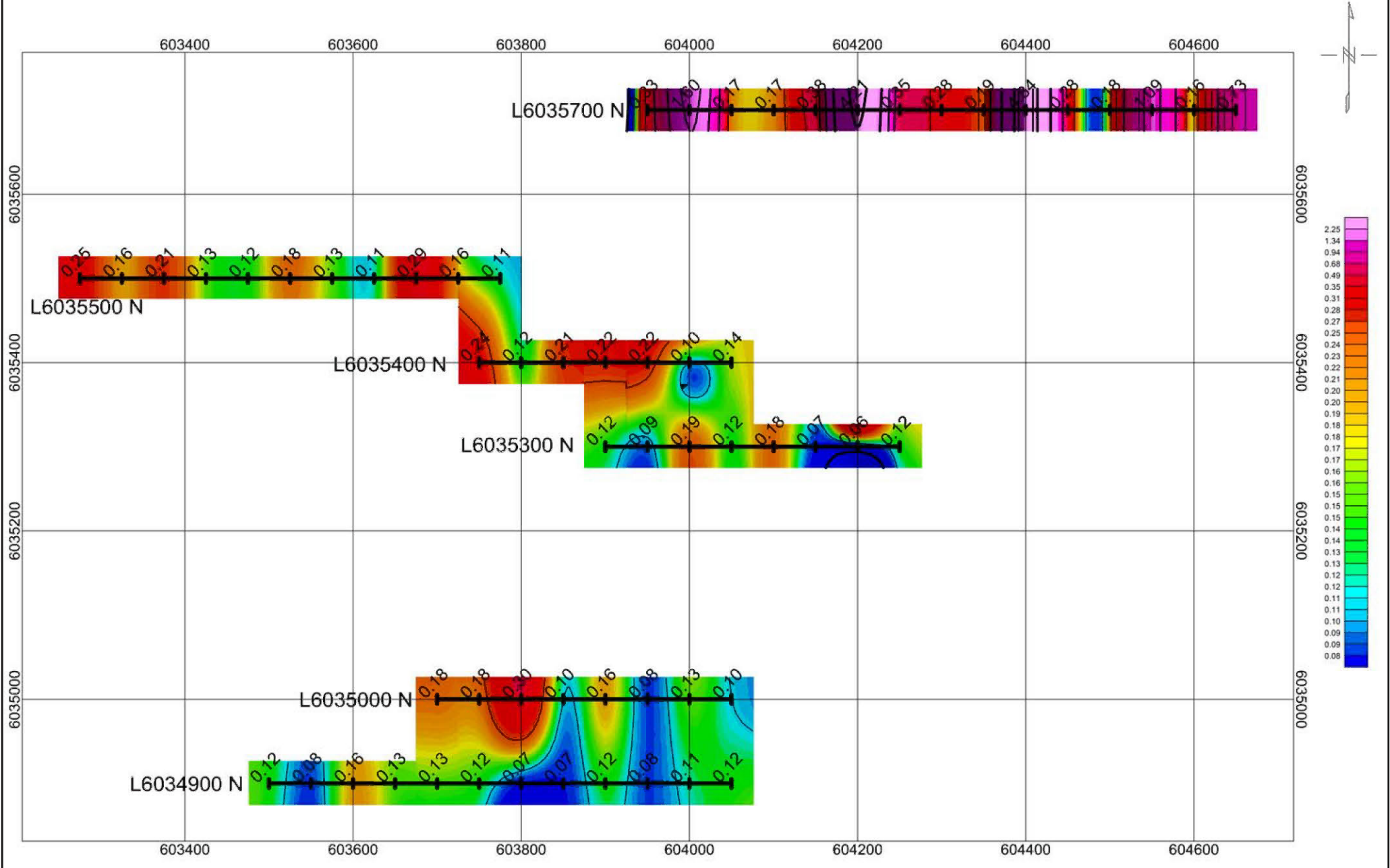
Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWS CREEK, SMITHERS AREA, OMINACA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
LEAD				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-10a



Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.

**EL TORO PROPERTY
AREA 3 GRID**

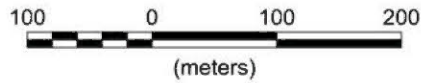
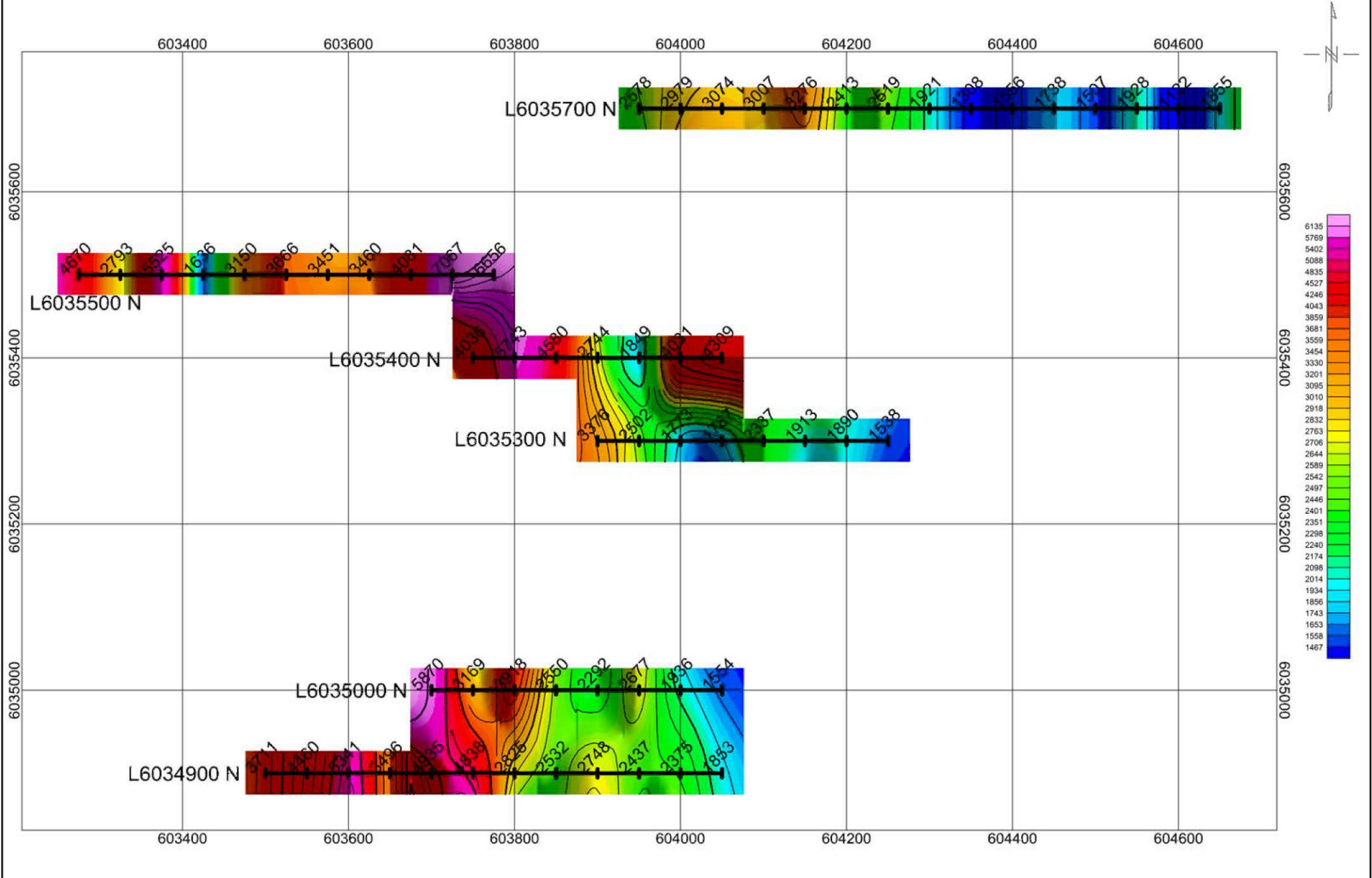
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
ANTIMONY**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-11a
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Geotronics Consulting Inc
Surrey B.C.



Dates Samples Picked Up:
December 1st - 8th, 2011

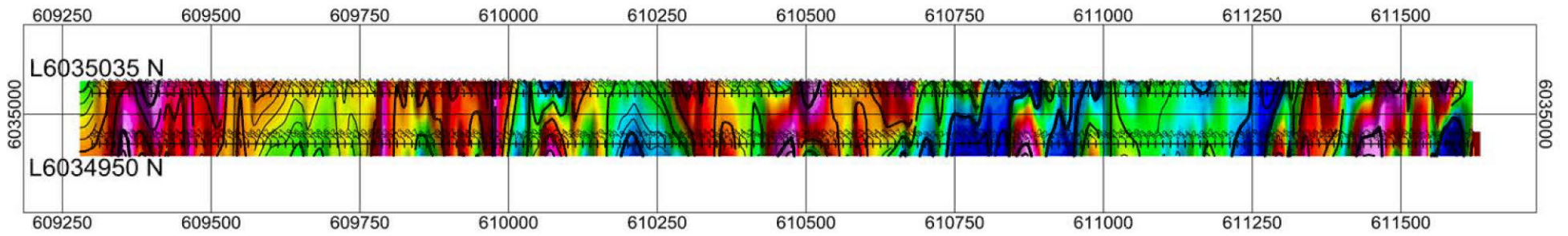
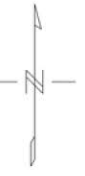
Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9

LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMECECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
ZINC				
DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-12a



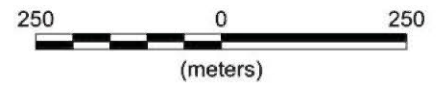
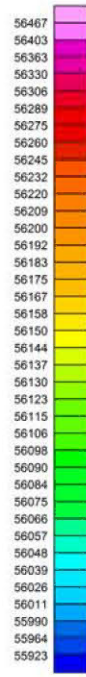


Survey Date:
December 1st - 8th, 2011

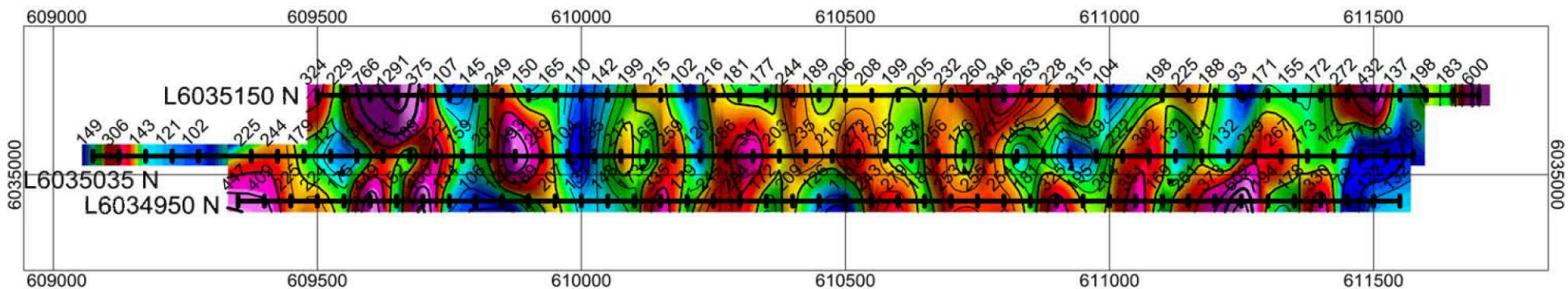
Instrumentation:
Magnetometer
GEM Systems Model GSM-19;
Proton Precession Magnetometer
Geometrics, Model G-856

Base:
56,000 nT (this value has been
subtracted from each reading)

Contour Interval:
50 nT



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
BARK SAMPLING GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MAGNETIC SURVEY				
CONTOUR PLAN				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GP-2

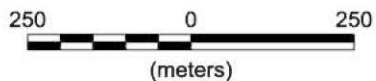
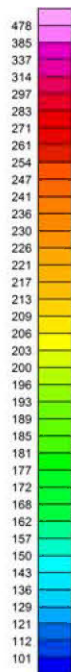


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

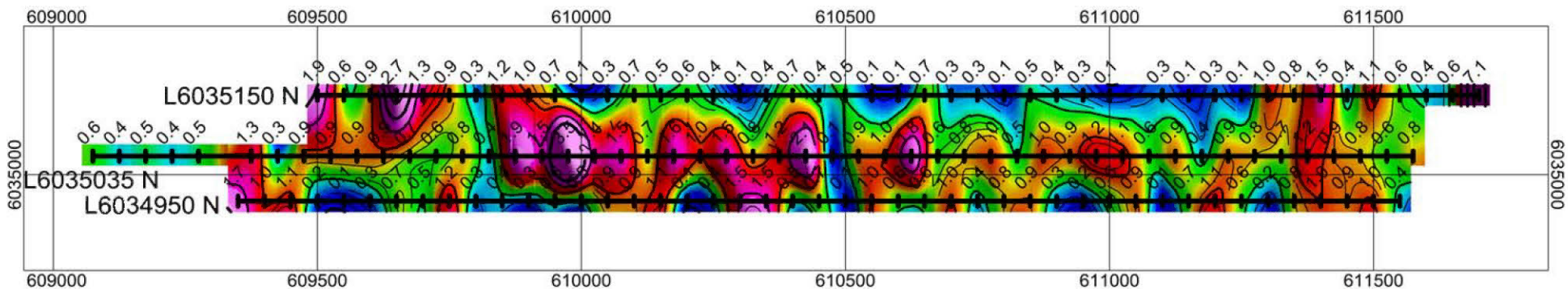
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
SILVER				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-1b



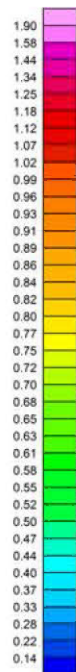
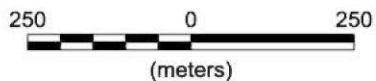


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

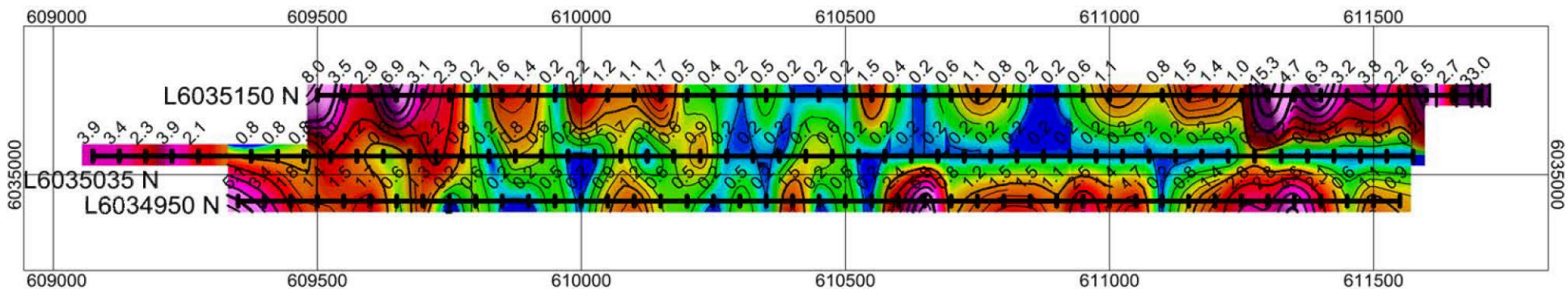
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
ARSENIC**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-2b
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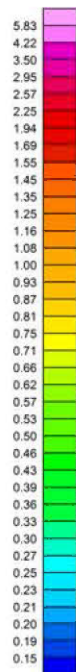
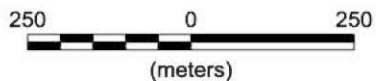


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

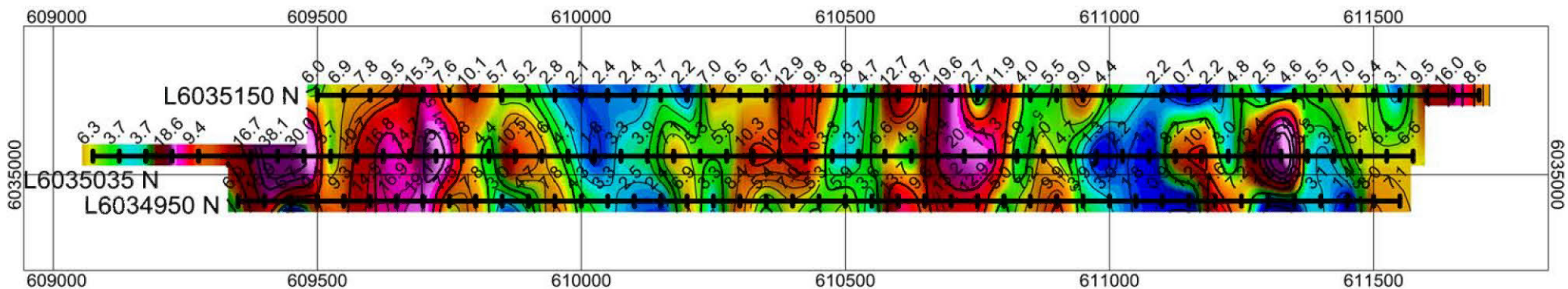
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
GOLD**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-3b
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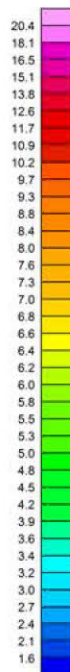
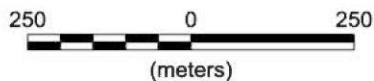


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

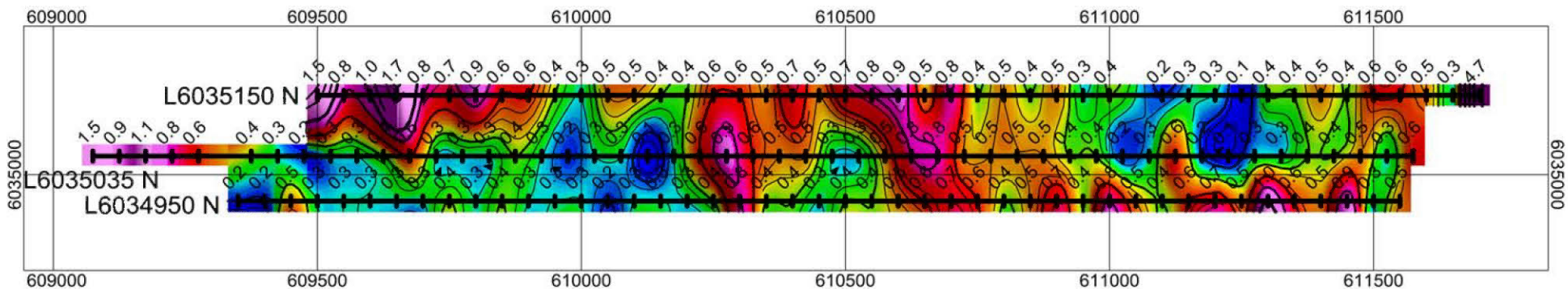
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
CADMIUM**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-4b
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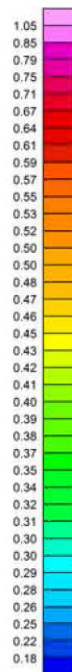
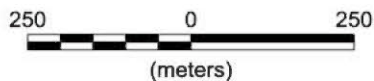


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

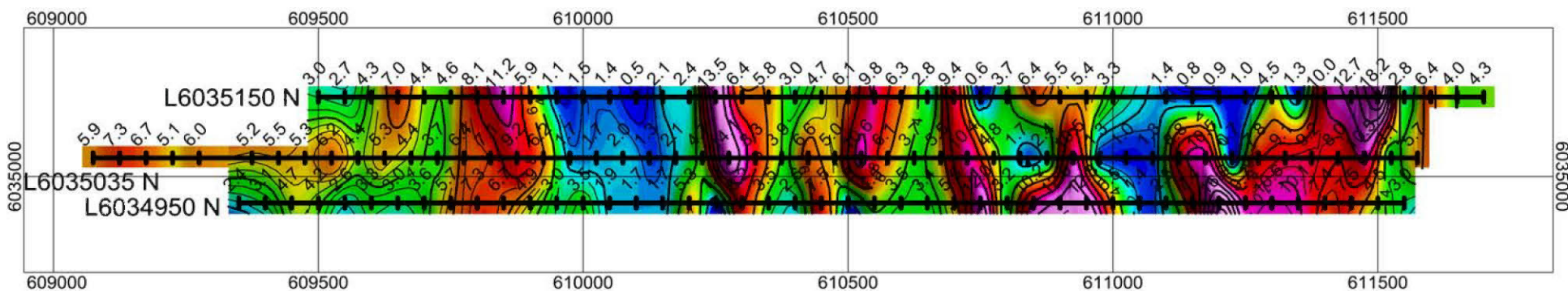
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
CERIUM				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-5b



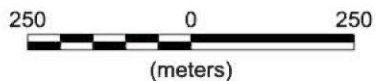
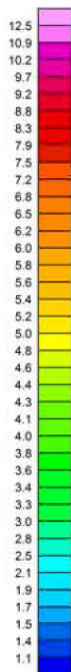


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

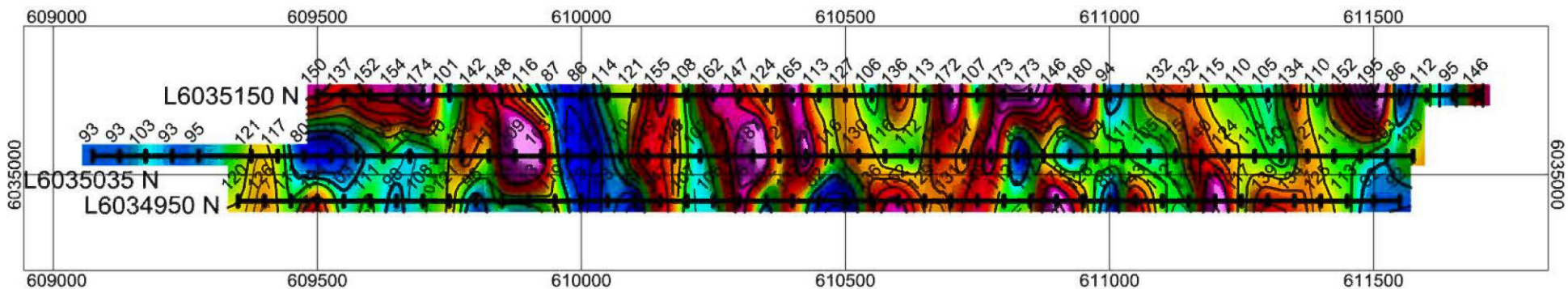
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
COBALT				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-6b



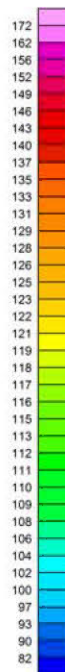
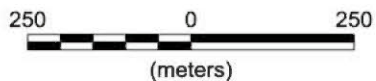


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

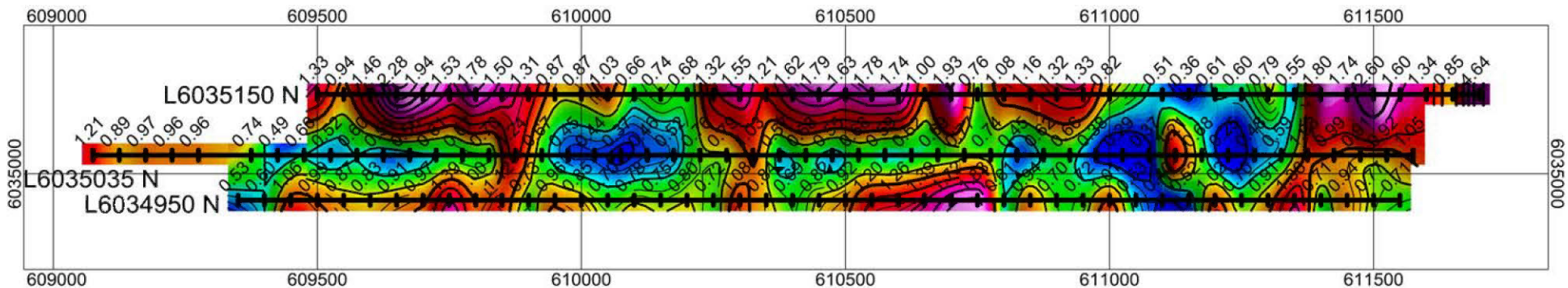
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

*MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
COPPER*

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-7b
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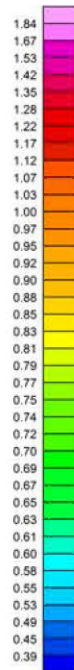
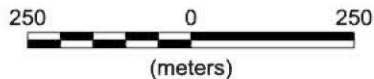


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

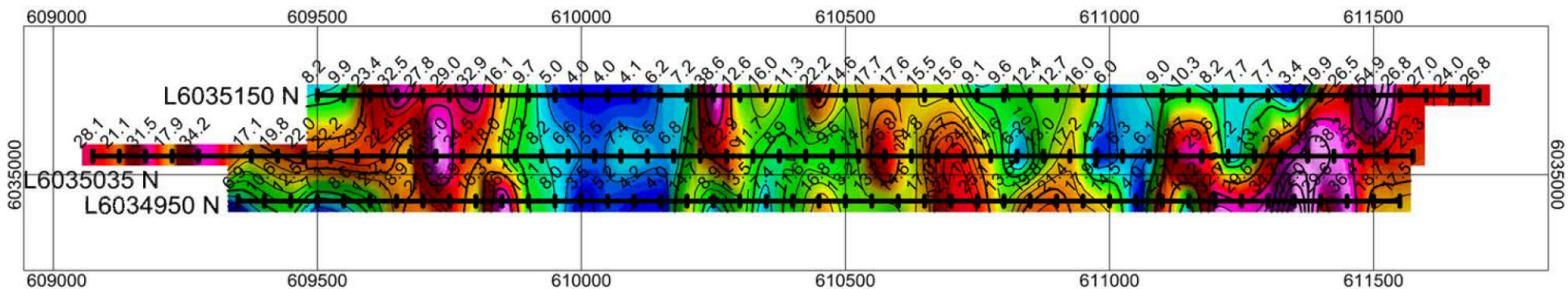
Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.				
EL TORO PROPERTY				
AREA 3 GRID				
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC				
MMI SOIL GEOCHEMISTRY SURVEY				
CONTOUR PLAN				
MOLYBDENUM				
DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-8b



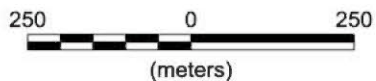
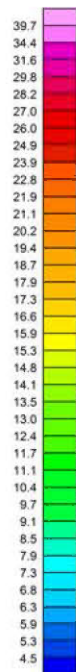


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

EL TORO PROPERTY
AREA 3 GRID

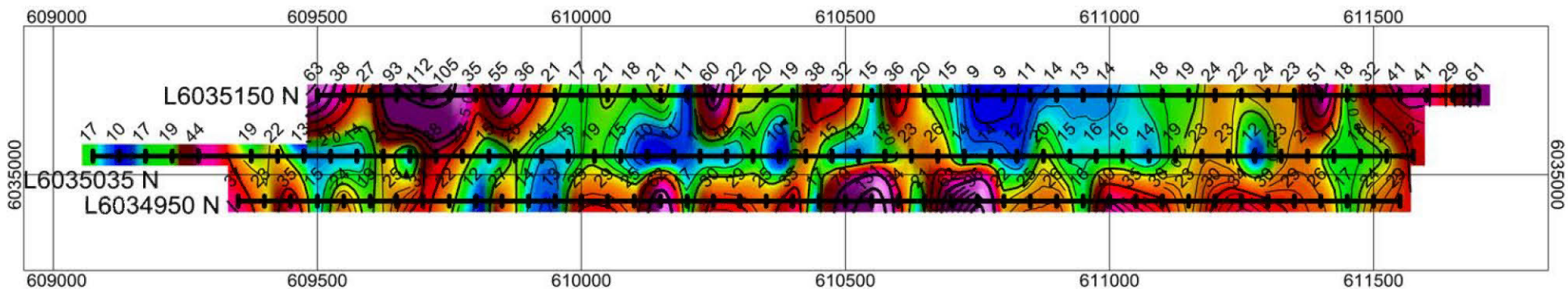
HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
NICKEL

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-9b
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Geotronics Consulting Inc
Surrey B.C.

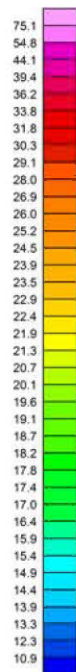
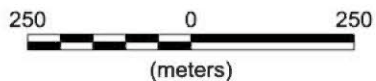


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

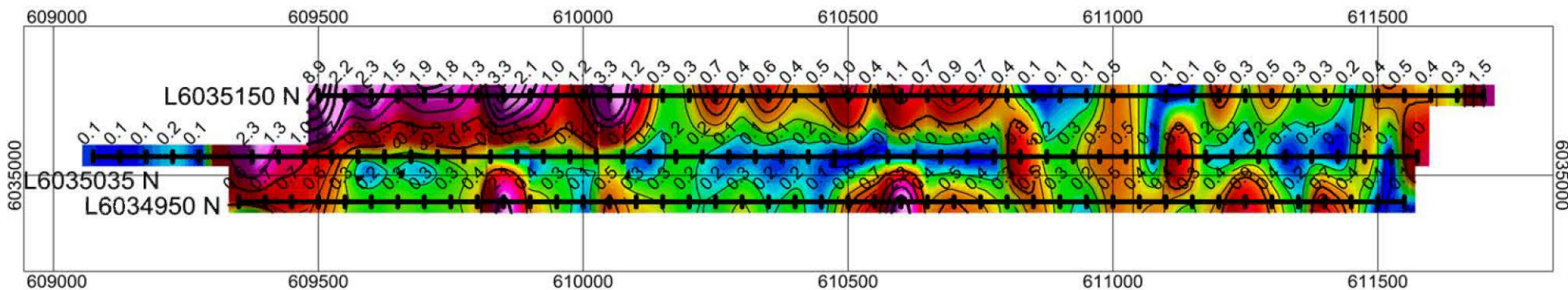
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINECA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
LEAD**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-10b
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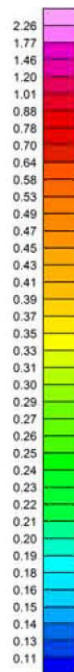
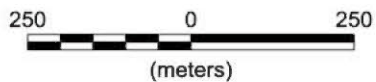


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

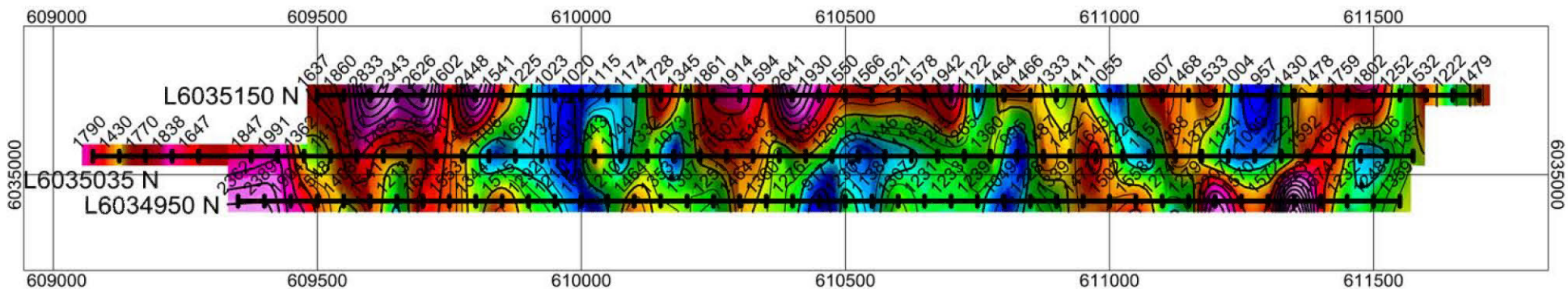
**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, OMINACA MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
ANTIMONY**

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	11-23	93L/05,06,11	APR '12	GC-11b



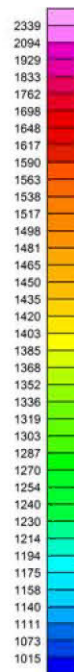
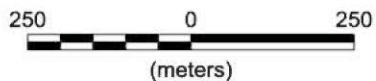


Dates Samples Picked Up:
December 1st - 8th, 2011

Soils Tested By:
SGS Laboratories, Toronto, Ontario

Units:
parts per billion (ppb)

Survey Grid Base:
UTM, NAD 83, Zone 9



LIONS GATE ENERGY INC.

**EL TORO PROPERTY
AREA 3 GRID**

HOWSON CREEK, SMITHERS AREA, Omineca MD, BC

**MMI SOIL GEOCHEMISTRY SURVEY
CONTOUR PLAN
ZINC**

DRAWN BY: DGM	JOB NO.: 11-23	NTS: 93L/05,06,11	DATE: APR '12	FIG NO.: GC-12b
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