ASSESSMENT REPORT

GEOLOGICAL AND DRILLING REPORT

ON THE

COGBURN PROPERTY

NEW WESTMINSTER MINING DIVISION
BRITISH COLUMBIA

NTS 092H/5,12

49° 29' NORTH LATITUDE
121° 39' WEST LONGITUDE

PREPARED FOR

LEADER MINING INTERNATIONAL INC.
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BY

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March 8, 2002

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SUMMARY AND CONCLUSIONS

The Cogburn Project represents a significant target for extractable magnesium from olivine bearing ultramafic rock.

The property is located approximately 120km east of Vancouver, British Columbia along the east side of Harrison Lake. Access to the property is good using an extensive network of logging roads from both Harrison Lake (west side) and Garnet Creek (east side).

The property consists of 99 claims totalling 237 units (5925ha). Leader Mining International Inc. has optioned the core group of claims consisting of the Cog 1 to 4 claims and Cog 11 to 15 claims from John Chapman and Gerald Carlson of Vancouver, B.C. This group of claims covers the Emory Zone which is now being considered for development drilling. Teuton Resources Corp. and Minvita Enterprises Ltd. have optioned the Cog 5 to 8, Andy 1 to 9 and Sylvia claims which cover the northwestern part of the main ultramafic package to Leader Mining International Inc. The PD1 to 10, PT2 and PT10 claims are under option from International Millenium Mining Corp. of Vancouver. PT1, PT3, PT4 and PT8 to PT10 claims are under option from Stellar Pacific Ventures Inc. of Vancouver, B.C. The latter two claim packages cover the northern part of the main ultramafic package and the central part of the northern ultramafic package.

Two phases of exploration were carried out by Crest Geological Consultants Ltd. in the fall of 2001 for Leader Mining International Inc.: 1:10,000 scale mapping and sampling of the ultramafic bodies; and a 1360 metre core drilling campaign on three selected target areas with road access. The aim of the work was to identify areas indicative of bulk tonnage, high-grade, low impurity Mg-silicate within the Cogburn ultramafic rocks.

The Cogburn property is underlain by two large, partially serpentinized, olivine rich ultramafic bodies that occur within an imbricated ophiolitic sequence assigned to the Cogburn Group. The main ultramafic body has an ovoid shape and is some 10 kilometres long and 2 kilometres wide. The north ultramafic body is more attenuated and while having a similar strike length, only ranges from several hundred to 150m wide. Both ultramafic bodies structurally overlie large gabbroic bodies which form the upper tectonic slice of the Cogburn Group.

The ultramafic rocks contain more than 25 wt% Mg, with 1% to 3% magnetite (after chromite) and associated trace amounts of pyrrhotite, pyrite, pentlandite and chalcopyrite. Initial tests of the ultramafic by Process Research ORTECH in consultation with Hatch Associates Ltd. indicate that the ultramafic rock can be leached to a pure magnesium chloride brine for subsequent electrolysis to Mg metal.

Geological mapping and surface sampling indicates that the predominant factors controlling Mg distribution through the ultramafic body are likely:

1) the purity of the dunite protolith (low pyroxene/amphibole content);
2) the Mg-content of the original olivine cumulate prior to alteration or serpentinization;
3) the introduction of minor amounts of iron carbonate and other impurities into the rock along fractures and shears;
4) the weak development of talc/chrysotile in the rocks.

Secondary Mg enrichment in the ultramafic rock through hydrothermal or metasomatic processes have not been fully investigated and therefore cannot be entirely ruled out as potential factors in Mg abundance in the ultramafic rock.

Geological mapping and sampling identified three easily accessible areas with significant Mg-silicate potential; namely, the Emory Zone, Daioff area and Teuton area. Of the three, the Senior Advisory Group recommends at the present time that development work continue on the Emory Zone.

The ***Emory Zone*** was tested by 12 drill holes for a total of 802m. Weighed averages, for the entire drilled intervals, from 7 of the 12 drill holes ranged from 24.77 wt% Mg to 26.97 wt% Mg. Moderate to low values of Fe, Ca, S, B and Ni were encountered and are below tolerances provided as guidelines by Hatch. Ultramafic rocks in several drill holes, containing intervals of granitic dyke-like bodies consisting of quartz-feldspar porphyry and tonalite dykes, returned more erratic and generally lower Mg wt% values. Otherwise Mg wt% values showed little variation down hole. Drilling indicates that the northwestern part of the Emory Zone on the Cogburn claims has the highest Mg-silicate potential and should be targeted for future work which agrees with the Senior Advisory Group recommendations.

The ***Daioff*** area was tested by three drill holes for a total of 151.8m. Two of the three drill holes returned sub-economic values of magnesium (<24%). A single hole returned high grade values ranging from 27.68 wt% Mg to 30.22 wt% Mg over 14.6m. Unfortunately the interval is under 36m of overburden. No follow-up is recommended for this area at this time.

The ***Teuton*** area was tested by six drill holes for a total of 303.6m. Weighed averages for all six drill holes range from 24.26 wt% Mg to 25.95 wt% Mg. Overall impurities of Fe, Ca, S, B and Ni are quite low and well within the Hatch tolerances. Drill holes in the Teuton area generally have the most consistent down hole Mg concentrations of all the areas drill tested to date. Overall magnesium grade is good but slightly lower than that in the Emory Zone and impurity levels (particularly S) are very low. These features make the southeastern part of the Teuton area a secondary target for follow-up next to the Emory Zone.

Based on the encouraging results from the Cogburn property, it is recommended that Phases 4 of the exploration program should proceed. That is a 1200m (300mx300m area, based on a 50mx50m square drill pattern) definition drilling program be carried out covering the west and northwest areas of the Emory zone. This work would be carried out as part of the initial stages toward a Production Feasibility Study.

INTRODUCTION

This report details the results of the second and third phases of exploration on the Cogburn property by Crest Geological Consultants Ltd., under the direction of Leader Mining International Inc., during the fall of 2001. Phase 2 of the exploration work comprised 1:10,000 scale mapping and surface rock sampling of the two ultramafic bodies located on the claims. Phase 3 of the exploration was a 26 hole 1360m core drilling program that was carried out along some 7 kilometres of strike length of the main ultramafic body on the property. The results of the preliminary work and phase 1 of the exploration program is detailed in an earlier report (Payne, 2001).

LOCATION AND ACCESS

The Cogburn property is located at 49° 29' 49" N latitude and 121° 39' 28" W longitude, on NTS map sheets 092H05E and 092H12E in southwestern British Columbia, approximately 120 kilometres east of Vancouver. The claims are centered near the junction of Talc Creek and Daioff Creek, 8 kilometres east of Harrison Lake. The claims can be accessed by logging road from Harrison Hot Springs, along the east side of Harrison Lake, Cogburn Creek and then Talc Creek, a total of 42 road kilometres. The general area of the claims is also accessible by logging roads from the Fraser River, both from the south and from the east. The Fraser River is a major transportation corridor with road, rail, gas and oil pipelines and power transmission lines (Figures 1 and 2).

Access for development and mining operations would most likely be from Ruby Creek at Highway 7, along the Fraser River midway between Hope and Agassiz. The Cogburn property is located 16km north of Ruby Creek via International Forest Products Ltd.'s Garnet Creek FSR.

The CPR railroad main line is adjacent to Highway 7 at Ruby Creek. In addition barge access to Ruby Creek is a possibility. Studies are now in place for dredging of a barge channel to Harrison River that could accommodate up to 4000 tonne payloads. Catherwood Towing Ltd. has indicated that there is further potential to extend the barge channel east to Ruby Creek for barges with payloads to 2000 tonnes.

The claims are in moderately rugged, glaciated, mountainous terrain, with elevations ranging from 800m to over 1,500m above sea level. Much of the area has been logged in recent years and active logging and construction of new logging road access continues.

CLIMATE

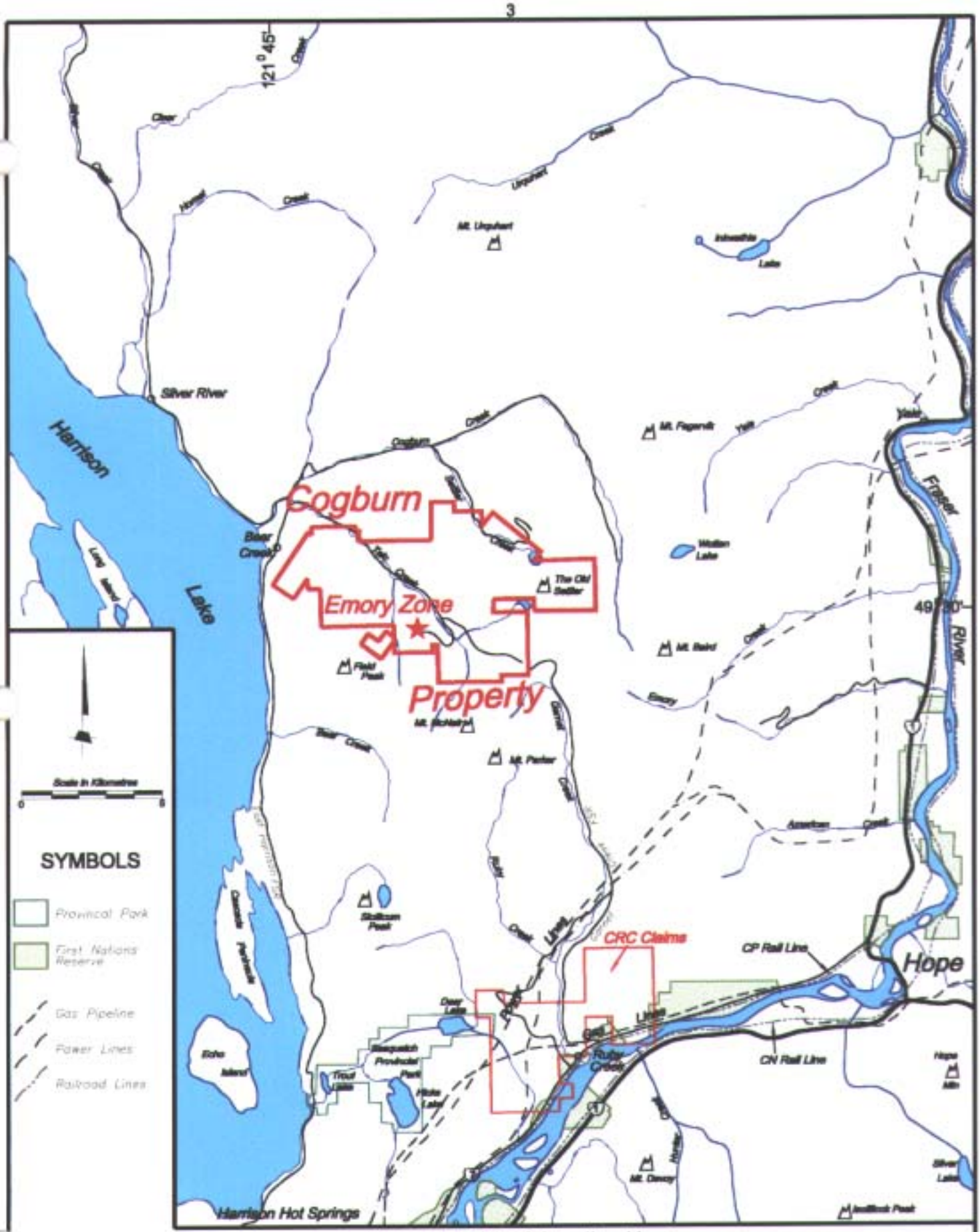
Climate in the region of the Cogburn property is typical of the area with cool summers and mild winters. Annual precipitation is approximately 300cm. Snow pack can reach 400 cm and remains on south slopes until April or May and on north slopes until June. Temperatures range from an average of –1°C in winter to 15°C in summer.

LEADER MINING INTERNATIONAL INC.

Cogburn Property

LOCATION MAP

Figure 1



Leader Mining International Inc.
Cogburn Project
GENERALIZED INFRASTRUCTURE
Figure 2

FLORA AND FAUNA

The Cogburn project area is in an active logging region that extends from the claims along access corridors south to Ruby Creek at Highway 7 and north to Bear Creek landing at Harrison Lake. The only extraordinary environmental element within the region is the Old Settler Peak goat herd, which resides at the headwaters of Daioff Creek, 2 kilometres northeast of the deposit. The herd stays on the peak year round so there should be no impact on their habitat by exploration or proposed mine development operations at Cogburn.

NATIVE LAND CLAIMS

Almost all of British Columbia lands are subject to treaty negotiations with the Status Indians. The Cogburn deposit falls within the large "Yale" treaty area from the U.S.A. border to the south, north to Boston Bar, east to Manning Park and west to Chilliwack.

CLAIMS AND OWNERSHIP

A total of 24 claims, 133 units (3325ha) are under option by Leader Mining International Inc. of Calgary, Alberta (Figure 3). The Cog 1 to 4, Cog 11 to 15 claims are under option from John Chapman and Gerald Carlson of Vancouver, B.C. and cover the area of the Emory Zone. The Andy 1 to 9, Cog 5 to 8 and Sylvia 13, 14 and 15 claims are under option from Teuton Resources Corp. and Minvita Enterprises Ltd. of Vancouver, B.C. covering the northwestern part of the main ultramafic package. Leader Mining is operator on the claims. All claims are located in the New Westminster Mining Division on map sheets 92H/042 and 92H/052.

Table 1: SUMMARY OF CLAIMS DATA.

ANDY 1	353200	1	December 16, 2001	December 16, 2005*
ANDY 2	353201	1	December 16, 2001	December 16, 2005*
ANDY 3	353202	1	December 16, 2001	December 16, 2005*
ANDY 4	353203	1	December 16, 2001	December 16, 2005*
ANDY 5	353204	1	December 16, 2001	December 16, 2005*
ANDY 6	391228	1	December 16, 2001	December 16, 2005*
ANDY 7	391229	1	December 16, 2001	December 16, 2005*
ANDY 9	391230	1	December 16, 2001	December 16, 2005*
COG 1	374546	18	October 1, 2003	October 1, 2005*
COG 2	374547	15	October 1, 2003	October 1, 2005*
COG 11	375290	1	October 1, 2003	October 1, 2005*
COG 12	375291	1	October 1, 2003	October 1, 2005*
COG 13	375292	1	October 1, 2003	October 1, 2005*
COG 14	375293	1	October 1, 2003	October 1, 2005*
COG 15	375294	1	October 1, 2003	October 1, 2005*
COG 3	375295	15	October 1, 2003	October 1, 2005*
COG 4	375296	15	October 1, 2003	October 1, 2005*
SYLVIA 13	388834	1	August 1, 2002	August 1, 2005*
SYLVIA 15	388836	1	August 2, 2002	August 2, 2005*
SYLVIA 16	388837	1	August 2, 2002	August 2, 2005*
COG 5	389613	9	August 31, 2002	August 31, 2005*
COG 6	389614	15	September 15, 2002	September 15, 2005*
COG 7	389615	12	September 14, 2002	September 14, 2005*
COG 8	389616	18	September 15, 2002	September 15, 2005*
	TOTAL	133		

* *Subject to approval of assessment work*

92H052

92H053

MT FAGERVIK

5490 000mN

Cogburn Creek

Settler Creek

HARRISON LAKE

BEAR CREEK

Cog 6

Cog 7

Leader-Teuton/Minvita

Cog 5

Cog 8

Cog 1

Cog 11 Cog 12 Cog 13 Cog 14 Cog 15

Cog 2

Leader-Chapman/Carlson

Cog 3

Cog 4

THE OLD SETTLER

92H 042

92H 043

FIELD PEAK

MT BAIRD

MT McNAIR

5485 000mN

5480 000mN

590 000mE

595 000mE

600 000mE

Garnet Ck

Emery Ck

5

CLAIMS UNDER OPTION BY

LEADER MINING INTERNATIONAL INC.

John Chapman and Gerald Carlson

Teuton Resources Corp./ Minvita Enterprises Ltd.

Claims Data From Map Place as of January 20, 2002

N

Scale as shown

0 1000 2000 3000

Metres

LEADER MINING INTERNATIONAL INC.

Project No. 345 New Westminster Mining Division

Cogburn Project

CLAIMS MAP

26807

Feb./02

Figure 3

REGIONAL GEOLOGY

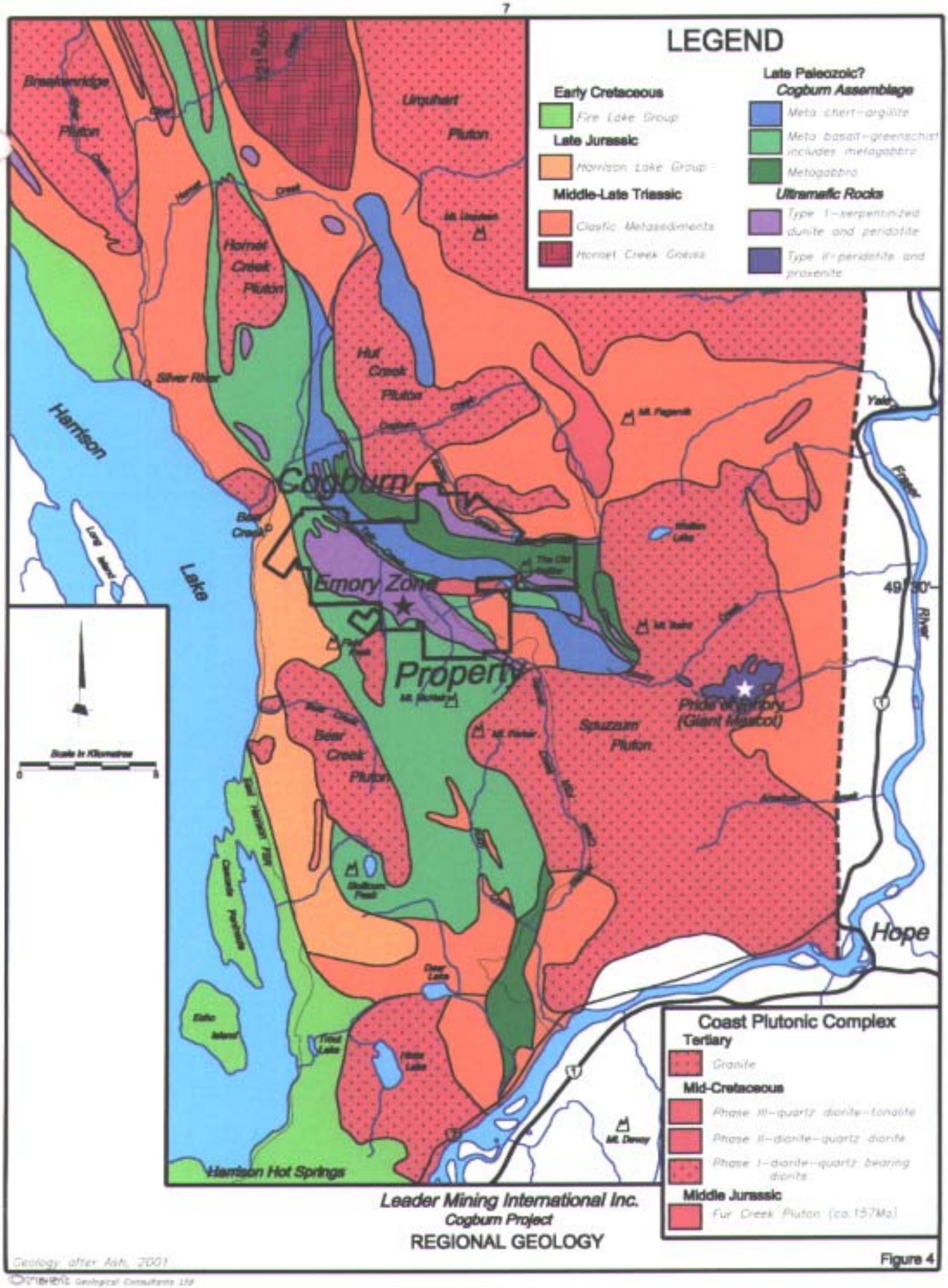
The regional geology of the East Harrison Lake Belt (EHLB) is subdivided into north to northwest-trending tectono-stratigraphic packages and intruded by mid-Cretaceous age stocks and plutons of the Coast Plutonic Complex (CPC) (Figure 4). Age relationships, lithological associations and metamorphic grade distinguish the tectono-stratigraphic packages, which are stacked from west to east along faulted, layer-parallel contacts. Jura-Cretaceous, calc-alkaline, intermediate to felsic, arc-derived volcanic and sedimentary sequences of the Harrison Lake and Fire Lake Groups form the western margin of the belt. The CPC partially obscures the eastern margin of the belt.

The most recent interpretation of the regional geology by Ash (2002) presents a two-fold subdivision of the EHLB. Ash identifies an upper ophiolitic package called the Cogburn Assemblage, which includes the ultramafic rocks that are focus of the current exploration program and lower package of Middle to late Triassic arc-derived? clastic metasedimentary rocks which sit structurally above and to the east of the Harrison Lake and Fire lake groups. Rocks of the EHLB are moderately to tightly folded along south to southeast plunging axes which reflect the influence of both regional tectonism and post-kinematic intrusion of the CPC.

The clastic metasedimentary sequence comprises variably metamorphosed, interbedded mudstone, siltstone and fine to medium grained volcanic wacke (Lowes, 1972). Metamorphism grades from greenschist to amphibolite facies (to the sillimanite zone) and appears to increase, along with intensity of ductile deformation, eastward and particularly near the margins of the mid-Cretaceous intrusions. The unit is crosscut by the Hornet Creek Gneiss which has been dated by U-Pb zircon methods at ca 226 Ma (Monger and Parrish, 1991). The eastern part of this unit was formally called the Settler Schist, which Monger (1991) correlated with the Darrington Phyllite of the Shuksan Suite in northwest Washington. The western part of the unit was previously assigned to the sedimentary component of the Slolicum Schist (Troost, 1999). Ash (2002) suggests that these rocks are typical of Late Triassic basinal sedimentary sequences that are a dominant component of Mesozoic arc terrains along the Cordillera.

The term Cogburn Group was originally used to described ophiolitic melange of chlorite-amphibole schist (mafic volcanic), grey meta-phyllite and metamorphised ribboned chert (Gabites, 1985). Ash (2002) combined the supracrustal volcanics and sediments of the Cogburn Group with mafic plutonic rocks, including the Baird Metadiorite, and the ultramfic bodies into what he described as a coherent, imbricated ophiolitic package called the Cogburn Assemblege. The ophiolitic package sits structurally above the metaclastic rocks. Metamorphism ranges from upper greenschist to amphibolite grade. Gabites (1985) correlated the Cogburn Group rocks with Mississippian to earliest Jurrassic oceanic rocks of the Bridge River-Hozameen Terrains.

The mid-Cretaceous intrusions of the EHLB appear to be part of a single evolving plutonic suite that formed between 103 Ma and 93 Ma (Ash, 2002). Three identifiable phases, ranging in composition from diorites to tonalites (Gabite, 1985; Monger, 1989, Journey and Friedman, 1993) are found in the EHLB. The plutons become progressively younger and larger, with more evolved compositions and larger and more complex metamorphic aureoles from west to east across the belt (Ash, 2002).



COGBURN PROPERTY – EXPLORATION HISTORY

Nickel-copper mineralization was discovered in 1923 at the Giant Mascot deposit (Pacific Nickel or Pride of Emory) on Stulkawhits Creek, 12km northwest of Hope and 6km east of the Cogburn claim group. From 1936 to 1974, Giant Mascot produced 26,573,090 kilograms of nickel and 13,212,770 kilograms of copper with silver, gold and cobalt credits by milling 4.2 million tonnes of ore from 26 individual orebodies. PGE production was not recorded, but early sampling yielded values from 2.74 to 3.98 g/t platinum plus palladium.

Mineralization at Giant Mascot is hosted in what was interpreted as early ultramafic phases of the predominantly dioritic Spuzzum Pluton. Since that initial discovery most exploration in the region has focused on the Ni-Cu, and more recently the PGE potential of the ultramafic rocks, including those on the Cogburn property.

Recorded exploration in the area of the Cogburn claims started in 1969 when the NI claims were staked by the Nickel Syndicate (Giant Explorations Limited and Giant Mascot Mines Limited). During 1969 to 1975, reconnaissance style exploration, including regional geological mapping, prospecting and stream sediment geochemistry was followed by a helicopter-borne magnetometer survey, detailed grid exploration and drilling.

The airborne magnetometer survey included 60 flight lines, for a total of 335 line miles, covering an area of approximately 85 square miles (220 km^2). The sensor was flown with a mean terrain clearance of 300 ft (91m).

The early work resulted in the definition of eight target areas for detailed exploration. Much of the work concentrated near the junctions of East Talc Creek and Daioff Creek. A grid was cut covering each target area and grid lines were used to control geological mapping, soil sampling, rock chip sampling where outcrop is exposed and ground magnetics. Soil and rock samples were analyzed for nickel and copper.

During the summer of 1971, IP surveys were carried out to define specific drill targets. These were followed by 20 drill holes for a total of 5,760 feet (1756m). The holes tested anomalies defined on at least two of the grid areas. Details of the drill program were not reported. Core logs, assays and most hole locations are missing, as well as the drill core. There is little reported on subsequent work from 1972 through to 1975.

During the summer and fall of 2001, as a prelude to this current work program, a total of 35 rock samples were collected by Leader Mining International Inc. personnel in the areas of what are now called the Emory zone and Daioff area (Payne, 2001). Twelve samples were analysed for whole rock geochemistry and 30 samples were analysed for 30 trace elements by ICP techniques. Twenty-three samples were analysed for Pt, Pd, Rh, sulphide Ni%, Mg% and Bppm in both hot and cold acid leach. The twelve whole rock samples returned MgO values between 42.59% to 47.46%. Nineteen of the samples contained moderately anomalous nickel values ranging from 1326ppm to 2083ppm Ni. No significant values were returned for Pt or Pd.

At the request of, and under the direction of Leader Mining, further sampling of the Cogburn region was conducted in late summer 2001 by Crest Geological Consultants Ltd. personnel. Samples with elevated Ni (1000ppm to 2000ppm) and significant Mg% values (from 22% to 29.5%) are found in the ultramafic rocks on the Cogburn property. Three separate areas were sampled. Three samples were collected from the southeast extension of the north ultramafic body, six samples were collected from northwestern end of the main ultramafic body (Teuton

area) and two samples were collected from outcrop along the northern margin of the main ultramafic body. Three stream sediment samples were also collected and analyzed for trace elements.

The results corroborated earlier sampling by Leader Mining personnel in the Teuton and Daioff areas and the Emory Zone, which indicated the widespread distribution of Mg-rich ultramafic rocks and persistent low grade Ni sulphides throughout the Cogburn property.

2001 Work Program

At the request of Leader Mining International Ltd., Crest Geological Consultants Ltd. carried out two phases of exploration on the Cogburn Property during the Fall of 2001. Surface 1:10,000 scale geological mapping and surface rock sampling of the two ultramafic bodies located on the claims was carried out over a 13 day period from September 15th to September 27th, 2001. A 26 hole core drilling program commenced on November 15, 2001 and finished on December 10, 2001. A total of 1360m of core were bored over some 7 kilometres of strike length of the main ultramafic body on the property.

A total of 93 surface rock samples and 516 drill core samples were collected and submitted to Assayers Canada Ltd. for major oxide and trace element determination. An additional 16 surface samples were collected and submitted for trace element analyses. A total of 114 man-days were used to conduct the work, which included both fieldwork and time to compile and report the results.

Geological Mapping

The mapping program focused on the two ultramafic bodies that occur in the Talc Creek and Settler Creek river valleys and particularly on the ultramafic rocks in the Emory Zone and Daioff and Teuton areas. The purpose of the program was to: locate the extent and dimensions of the ultramafic complexes on the ground; describe any internal variations in composition of a primary or secondary nature; determine the chemical composition, particularly the MgO content of a representative suite of ultramafic rocks through whole rock lithogeochemical samples; determine the nature of the geological contacts at the margins of the ultramafic packages and their internal structure; and assess the mineral potential of several sulphide occurences in the project area.

The main ultramafic body is some two kilometres wide and 10 kilometres long, and sits structurally on top of a mid to upper crustal package of highly deformed and metamorphosed mafic volcanic and gabbroic rocks (Figure 5). The smaller, north ultramafic body varies from several hundred metres to less than 150m wide. The north ultramafic body appears to be tilted on end and is bound across layer-parallel, high-angle faulted contacts by the Settler Schist to the north, and metagabbroic rocks to the south.

Contact relationships between the units suggest a relatively complicated, multiphase kinematic deformational history. Parts of the Cogburn Assemblage display an inverted tectonostratigraphy characteristic of obducted ophiolitic slices. That is, ultramafic rocks structurally overlying gabbro, structurally overlying a supracrustal sequence of volcanic and sedimentary rocks.

The tectonic package is folded along a north to northwest trending axis which follows the regional structural grain. Contacts are further modified by late, high angle faulting and Cretaceous intrusions.

ULTRAMAFIC ROCKS

The ultramafic rocks occur in two main northwest-trending bodies that sit along northeast-facing slopes of the Talc Creek and Settler Creek valleys. In outcrop this unit weathers tan-brown to orange, fine to medium grained, variably serpentinized olivine-rich ultramafic. These rocks are primarily dunite with recognizable cumulate olivine in <1% of the outcrop. From least to most serpentinized, the ultramafic rock varies from green, mottled green and black, black and massive; to black and talc altered with a scaly appearance. The ultramafic rocks typically contain 1% to 5% accessory magnetite (after chromite) and may contain trace to a few percent pyrrhotite and locally trace chalcopyrite/malachite.

Most outcrops appear massive to weakly foliated and magnetite (after chromite) bands or stringers are occasionally distinguished. Foliation in the dunite is defined by closely spaced <1mm anastomising serpentinite veins. As vein thickness increases, the ultramafic rocks take on a brecciated appearance. Most commonly however, discrete anastomising semi-ductile shears alternate with more competent blocks of serpentinite which are cross cut with late, high-angle brittle fractures. Individual shears are from 10cm to several metres thick and are typically the loci for increased talc and $FeCO_3$ alteration.

Petrographic work (Gale and Thompson, 2001) indicates that the rocks are comprised primarily of weakly to moderately serpentinized massive olivine cumulate, with accessory magnetite, Cr-spinel, and trace to a few percent pyrite, pyrrhotite, pentlandite and chalcopyrite. Carbonate (up to 10% by volume), talc and chlorite are the other main alteration minerals in the rocks.

Field observations are consistent with the rock petrography. At most localities the ultramafic is dunite with little change in the modal mineralogy. Outcrop scale variation is usually restricted by the degree of serpentinization and shearing in the rock. It would seem, based on field observations and petrographic work, that the major controlling factors of Mg in the Cogburn ultramafic rocks are:

1) the purity of the dunite protolith (low pyroxene/amphibole content);
2) the Mg-content of the original olivine cumulate prior to alteration or serpentinization;
3) the introduction of minor iron carbonate and other impurities into the rock along fractures and shears;
4) the weak development of talc in the rocks.

Changes in the modal mineralogy of the ultramafic rocks, such as the appearance of significant pyroxene and Al-silicates, would negatively affect the Mg content. However, these would likely be local effects as the over all modal composition of the ultramafic rocks appears to be fairly uniform.

METASEDIMENTARY ROCKS

Metasedimentary rocks outcrop along the northern and western margins of the north ultramafic body. A second panel of metasediments is exposed in a southwest tributary of Talc Creek which drains The Old Settler peak. The sedimentary rocks include variably metamorphosed, ribboned chert, grey to black amphibolite phyllite, staurolite-muscovite-quartz schist and more rarely, thickly bedded quartzite. Biotite and garnet mineral assemblages overprint the earlier regional metamorphic mineral assemblages and are most abundant in the hornfels margin of a quartz diorite stock in the eastern portion of the map area, and to the north of the north ultramafic package where the sediments are in contact with the Hut Creek and Settler Creek plutons.

These rocks are strongly foliated. Cherty layers are boudinaged and bedding is rotated into the foliation such that bedding-cleavage relationships are only rarely recognized. All indications are

that these rocks have undergone tight isoclinal folding and now sit as steeply inclined panels along the margins of the ultramafic bodies.

METAVOLCANIC ROCKS

Metavolcanic rocks are exposed along the north and western margins of the main ultramafic body but have also been mapped in places along the southern and eastern margins. In outcrop the metavolcanic rocks are most commonly grey to green weathering, chlorite-amphibole rich phyllitic schists, locally with thin chert boudins. Less common are massive outcrops with a blocky fracture. Rarely in the less deformed outcrops, 1m to 2m wide, fine to medium grained gabbroic dykes are distinguished in the volcanic rocks. Most often primary igneous contacts and lithologies are entirely obliterated by metamorphism and subsequent deformation.

The metavolcanic rocks are variably foliated, often with a strong stretching lineation or crenulation cleavage on the foliation surfaces. In some outcrops ductility contrast strain imparts a bedded appearance, with 2cm to 6cm intervals of chloritic paper schist separating 10cm to 20cm intervals of more massive chloritic phyllite. Foliation orientation in the chlorite schist mimic the contact with the main ultramafic body and in most cases, dip beneath the ultramafic.

METAGABBRO

Metagabbroic rocks outcrop on the southern and western margins of the north ultramafic body and on the eastern and northeastern margins of the main ultramafic body. This unit comprises highly strained, mylonitic, fine to medium grained hornblende-plagioclase metagabbros and microgabbros with rare coarse grained to pegmatitic phases and 0.5cm to one metre thick anorthositic bands. The metagabbros are typically melanocratic with the highest modal plagioclase (up to 40%) in the coarser grained phases.

The metagabbro unit is variably foliated. In many outcrops, rapid textural transitions from granular muscovite-rich schists (microgabbro) to aphanitic chlorite-amphibolite schists may reflect primary variations in the rocks, that is, mixed coarse to fine grained igneous phases which could include a high proportion of diabase dyke. Commonly, coarser grained mineral phases are preserved in low strain boudins within the plane of foliation. However, primary igneous textures are only rarely preserved in these highly deformed rocks. Similarly, as with the metavolcanic rocks, foliation in the metagabbro follow the contact with the ultramafic rocks and in most cases dips beneath the ultramafic rocks.

YOUNGER INTRUSIVES

Stocks and plugs of intermediate composition intrude the tectonostratigraphy and are interpreted as post-mid Cretaceous intrusions by Troost (1999). These are non to weakly foliated, medium grained, quartz-bearing, hornblende-biotite diorite and tonalite and occur in two areas on the southwest facing slope of Talc Creek. A quartz-feldspar porphyry which intrudes the ultramafic and metagabbro contact along the southern margin of the main ultramafic body may be related to this intrusive suite. The margins of two of these intrusions is marked by locally intense silicification and biotite hornfels, sulphide disseminations and in places sulphide-rich quartz veins.

MAIN STRUCTURAL ELEMENTS

Semi-ductile fabrics are developed in all rocks in the map area. These are expressed as a penetrative foliation in the metavolcanic and metasedimentary rocks. Foliation is related to inhomogeneous strain in the metagabbroic rocks and within discrete shear zones along

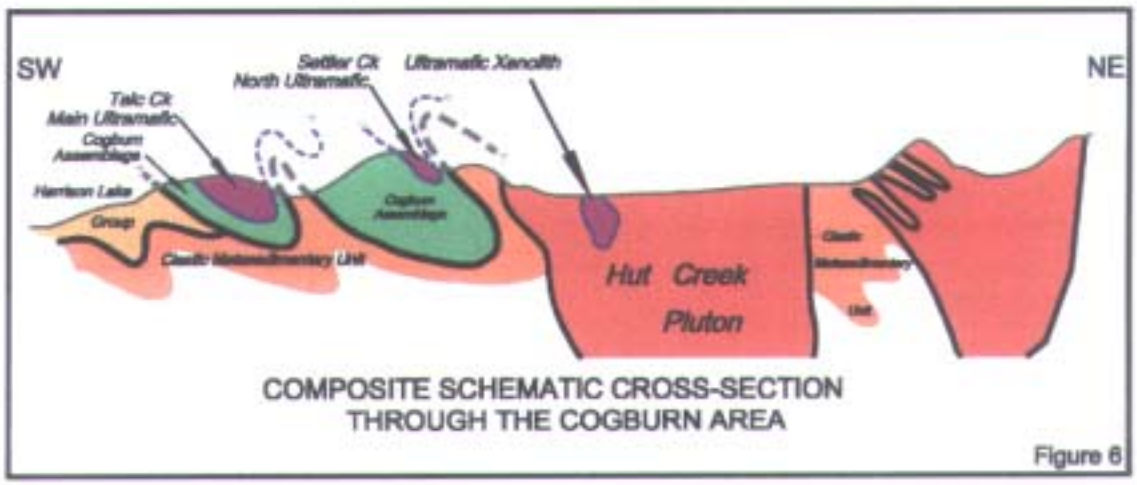
lithological contacts in the dunite. Stretching lineation is best developed in the metasedimentary and metavolcanic rocks and to a lesser extent in the intensely deformed metagabbros. Small scale fold axis and parasitic folds help determine the style and orientation of folding in the rocks. Large folds are rarely distinguished in outcrop. Brittle faults and fractures occur in all units but do not appear to play a significant role in the distribution of lithology.

The regional fold pattern shows upright, close to tight folding around a doubly plunging northwest-southeast trending axis. The planar data is distributed around this axis with a southwest to south vergence. Stretching lineations and small scale fold axes, with mainly steep to moderate plunges, are oriented along a subvertical plane which approximates the axial plane of the fold system. This folding is the main geological control on the distribution and thickness of the ultramafic rocks in the map area. North-south trending, open to closed folding post-dates and modifies the orientations of earlier northwest directed fabrics throughout the entire map area.

North-south trending foliations may be related to a prominent, north-northeast trending, moderately east and southeast dipping shear and fracture set locally developed on the east and west margins of the main ultramafic body. Directional data (slickensides) indicates predominantly right-lateral slip.

MAP SCALE RELATIONSHIPS

The main ultramafic body sits in a northwest-trending syncline on a northeast facing limb of the broad regional fold system. Foliation in the meta-igneous and meta-sedimentary rocks dip under the ultramafic body on its northern and southern margins. The southern contacts are steeply dipping to the north while the northern contacts are moderately to shallowly south dipping and follow the 500m elevation contour. Stretching lineation and small scale fold axis in foliated rocks near the contacts plunge beneath the ultramafic body on all sides indicating that the ultramafic body sits in a northwest-trending doubly plunging syncline.



COMPOSITE SCHEMATIC CROSS-SECTION THROUGH THE COGBURN AREA

Figure 6

The main ultramafic body occurs in the upper part of the Cogburn Assemblage. It is underlain to the south and downslope by first the metagabbroic rocks followed by metavolcanic and metasedimentary rocks (Figure 6). Metavolcanic rocks outcrop on the western flank, dip under and wrap around the northern margin of the main ultramafic body. Metagabbro was mapped to the north of the metavolcanic package on the North Talc Creek road but may in part be of a different structural panel or a mixed metavolcanic and metagabbroic unit. The eastern margin of

the main ultramafic body is more complex. Here the ultramafic rocks are fault imbricated or interfolded with the metagabbro which appears to overlie the ultramafic rocks along much of the eastern contact zone.

Similar contact relationships to those seen around the main ultramafic body are repeated on the southern margin of the north ultramafic body. Again the ultramafic appears to sit as a northeast facing slab on the long limb of a southwest verging fold system. A large block of metagabbro sits to the south of the ultramafic and gives way downslope to the metavolcanic and metasedimentary packages. Metasedimentary rocks outcrop to the north of the ultramafic body and form a thin discontinuous sliver along the ultramafic-metagabbro contact on its southeast margin. Foliation is uniformly high-angle throughout the entire sequence and in this case, the ultramafic appears to be fault imbricated or in-folded with this upper crustal package.

PROPOSED STRUCUTRAL HISTORY

1. Imbrication of the upper crustal metasedimentary, metavolcanic and metagabbroic package and stacking of the deep crustal ultramafic cumulate rocks along a northwest-southeast trending axis. These are the dominant fabrics in the rocks.

2. Counterclockwise rotation of the package along right-lateral shears and fractures. High strain zones are developed along the margins of the main ultramafic body.

3. Development of gently plunging, north-south-trending open to closed folds which further modify the rocks, possibly related to right-lateral shearing.

MAGNESIUM POTENTIAL

Whole rock and trace element sampling was conducted in conjunction with geological mapping and involved several transects across the main ultramafic body in order to identify large-scale compositional variations in the rocks. Three transects were completed through the north ultramafic body. Ultramafic rocks were identified and sampled along only two of these transects.

A total of 93 surface samples were collected over the duration of the two exploration phases and submitted to Assayers Canada Ltd. of Vancouver, B.C. for major oxide and trace element determination. An additional 16 surface samples were collected and submitted for trace element analyses. Rock sample descriptions and geochemical results including analytical certificates are presented in Appendix I.

TABLE 2: STATISTICS-MAJOR AND SELECTED TRACE ELEMENTS OF SURFACE ULTRAMAFIC ROCKS

	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	Fe %	CaO %	MgO %	Mg %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Cu ppm	Ni ppm
mean=	39.00	0.79	8.22	5.75	0.60	42.40	25.57	0.04	0.10	0.02	0.12	0.01	11	1680
stdev=	4.12	0.34	1.26	0.88	0.66	3.76	2.27	0.08	0.13	0.02	0.02	0.01	23	372
mean+stdev=	43.12	1.13	9.48	6.63	1.26	46.15	27.83	0.12	0.23	0.04	0.15	0.02	35	2053
mean+2stdev=	47.25	1.47	10.74	7.51	1.92	49.91	30.10	0.20	0.36	0.06	0.17	0.03	58	2425
n=142														

Whole rock lithogeochemistry shows relatively consistent magnesium values throughout the main ultramafic body. The ultramafic rocks are characterized by relatively high Mg wt% and moderate to low Fe wt%, Al, Ca, Na, K, Ti, Mn and P (see Table 2). Mg values average 25.8wt% and range

from 17.55 wt% to 31.44 wt% Mg (29.1 wt% MgO to 52.1 wt% MgO) with a standard deviation of 2.37 wt%. Base metal values, as shown by Cu, are low and Ni values range from 1000ppm to 2500ppm (see Figures 7 to 10).

Clusters of samples with highly anomalous magnesium (> 28 wt% Mg) are found mainly in the Emory Zone and Daioff area. There is no systematic distribution of Fe throughout the main ultramafic body and most fall within the 6 wt% to 8 wt% Fe range. Similarly Ca is uniformly low (<2 wt%) throughout the body. Other impurities, such as sulphur and boron returned values from 0.01 wt% to 2.54 wt% S and 1 to 90ppm B, which were well below the suggest tolerances of 5% S and 1000ppm B.

Surface samples of ultramafic rocks in the Emory Zone range from 17.55 wt% to 31.44 wt% Mg and average 25.24 wt% Mg. Higher-grade samples, in excess of 28 wt% Mg, were taken on the upper slopes of the Emory Zone. The average Fe of the rocks is 5.8 wt% Fe and Ca is an extremely low 0.31 wt% Ca. Ni averages 1821 ppm.

Surface rocks from the Daioff area returned some of the highest Mg values in the project area. The majority of these samples were 10m long continuous chip samples from outcrop and talus. The rocks range from 19.42 wt% Mg to 31.42 wt% Mg and average 27.46 wt% Mg. The average Fe of the rocks is 6.19 wt% Fe and Ca is 0.48 wt% Ca. Ni averages 1918 ppm.

Surface samples from ultramafic rocks in the Teuton area show consistently elevated magnesium that ranges from 21.52 wt% Mg to 27.21 wt% Mg and average 25.01 wt% Mg. The average Fe of the rocks is 5.69 wt% Fe and Ca is 0.38 wt% Ca. Ni averages 1733 ppm. The distribution of magnesium rich samples in the Teuton area is fairly uniform, extending over a 600m length and up to 200m elevation.

SULPHIDE MINERALIZATION

Small discontinuous lenses of up to 2% finely disseminated pyrite (with trace chalcopyrite) is common throughout the metavolcanic and metagabbro units but does not appear to reflect a large systematic mineralizing system. Similarly, trace disseminated pyrrhotite occurs in some ultramafic rocks. In general, most rocks in the project area lack appreciable sulphides.

Significant sulphides were observed along the flanks of a southwest trending, post mid-Cretaceous tonalite on the south facing slope of the Talc Creek valley. Four rock grab samples from the sulphide rich, hornfels margin of the quartz diorite contains elevated copper, manganese and zinc values (Table 3). Silver was detected in two of the samples. A single grab sample of quartz diorite float (17220) returned the highest copper and manganese numbers with detectable gold, and anomalous silver and barium.

TABLE 3: ICP ANALYSES OF SELECTED MINERALIZED ROCK SAMPLES

Sample No.	Au ppb	Au g/t	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Mn ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
17218	NA	NA	<0.2	5	20	<5	15	95	248	135	13	2	<5	24
17219	NA	NA	<0.2	<5	60	<5	21	64	247	145	18	4	<5	26
17220	17	NA	1.4	<5	200	<5	8	78	492	520	5	<2	<5	65
JAC-2001-01	NA	NA	0.9	2	67	2	27	41	350	376	40	5	2	98
JAC-2001-02	NA	NA	0.3	2	11.0	2	9	36	139	159	9	3	2	10

Leader Mining International Inc.

Cogburn Project (Main)

Rock Sample Surface Plots
Magnesium (Mg wt%)

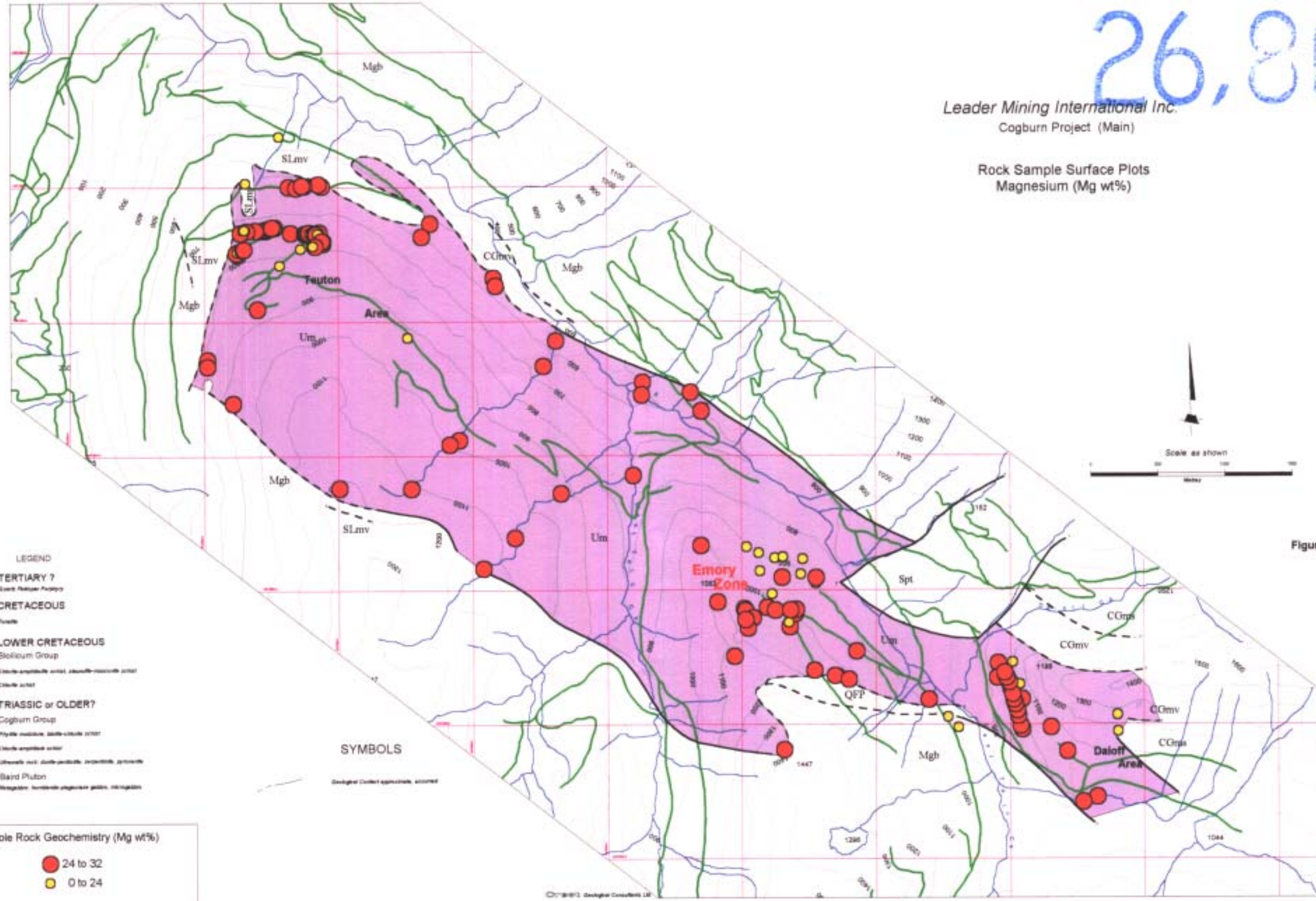


Figure 7

(2)

Leader Mining International Inc.

Cogburn Project (Main)

Rock Sample Surface Plots
Iron (Fe %)

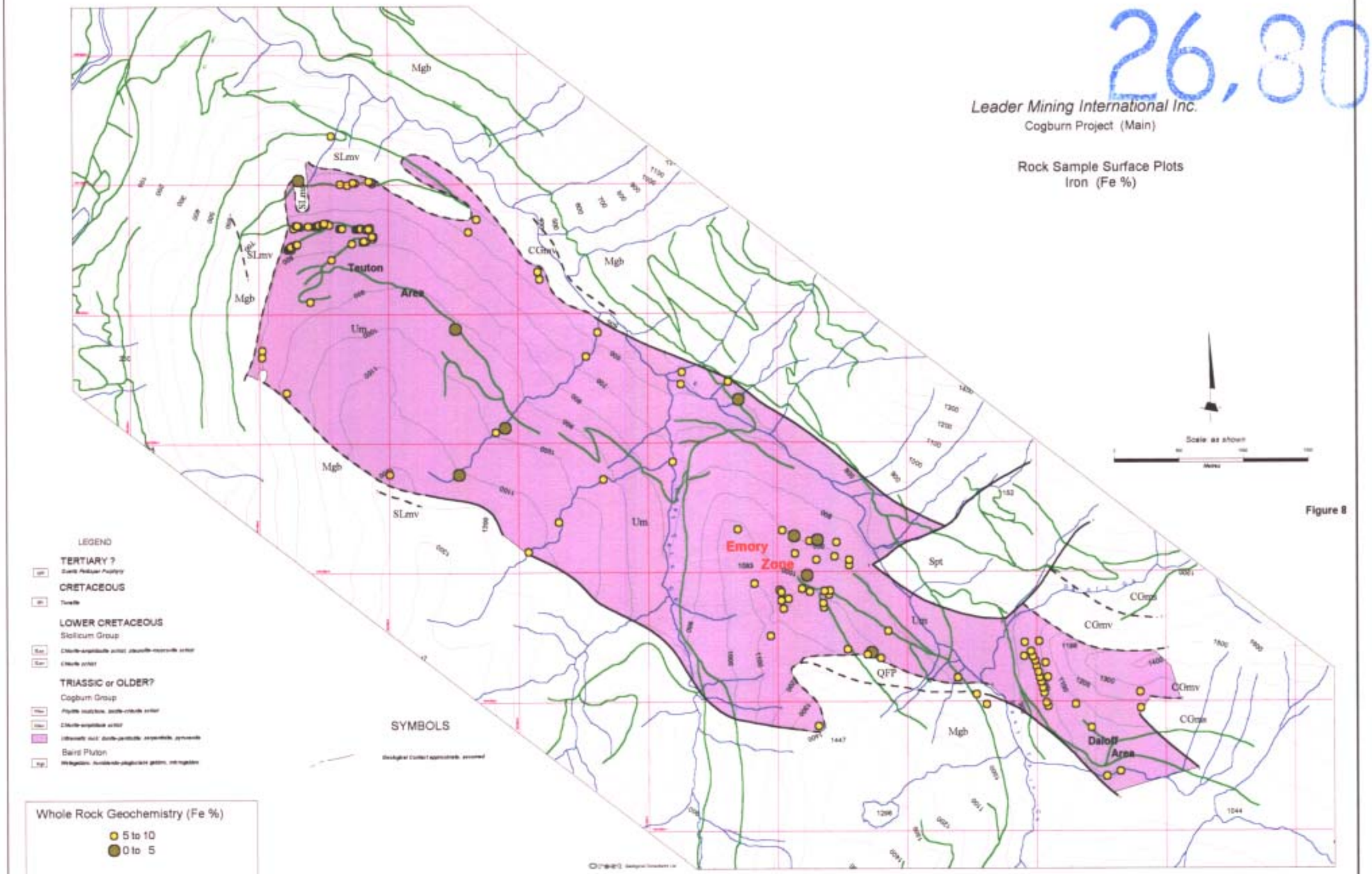


Figure 8

Leader Mining International Inc.

Cogburn Project (Main)

Rock Sample Surface Plots
Nickel and Copper (Ni ppm, Cu ppm)

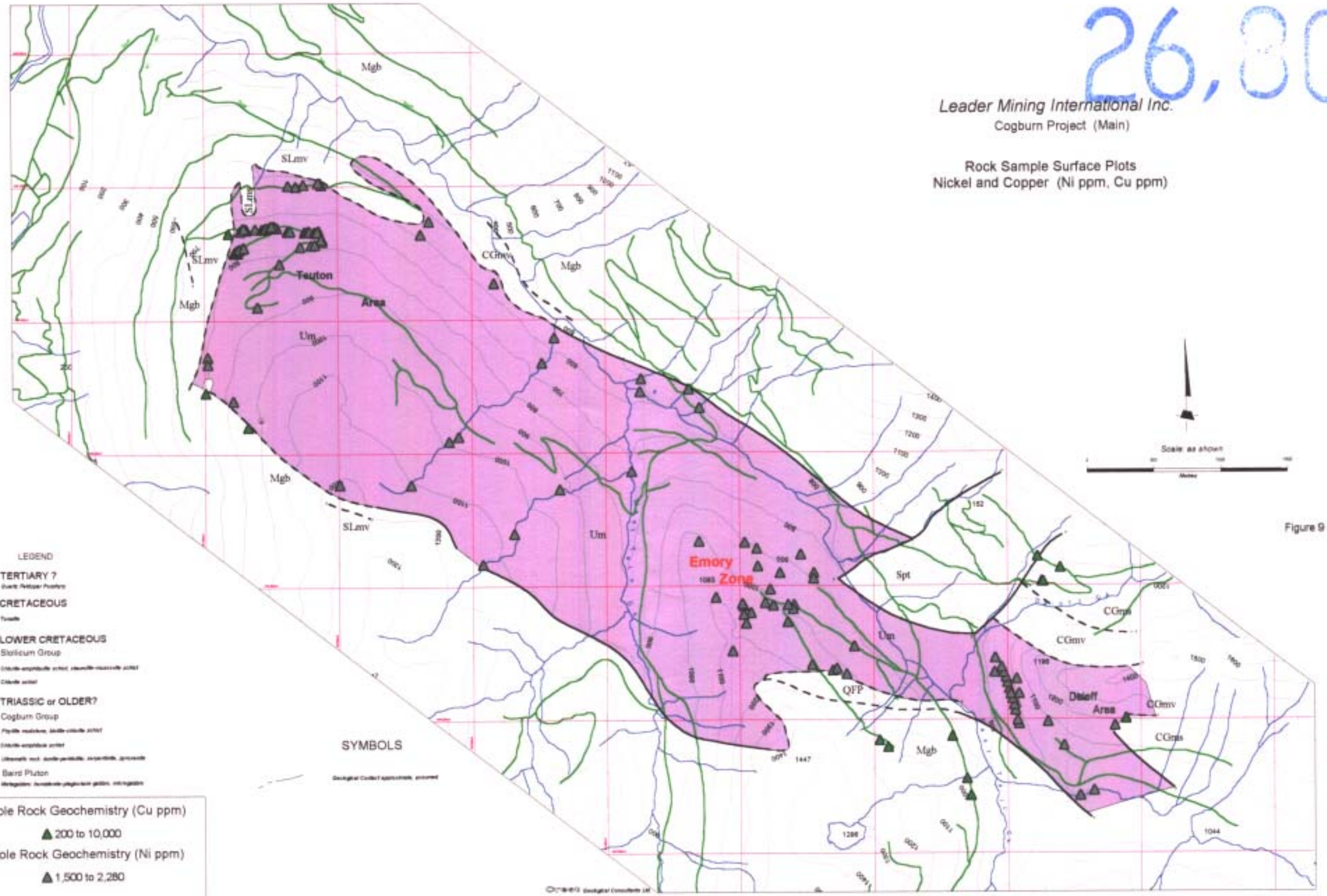


Figure 9

4

Leader Mining International Inc.

Cogburn Project (Main)

Rock Sample Surface Plots
Sulphur and Boron (S%, B ppm)

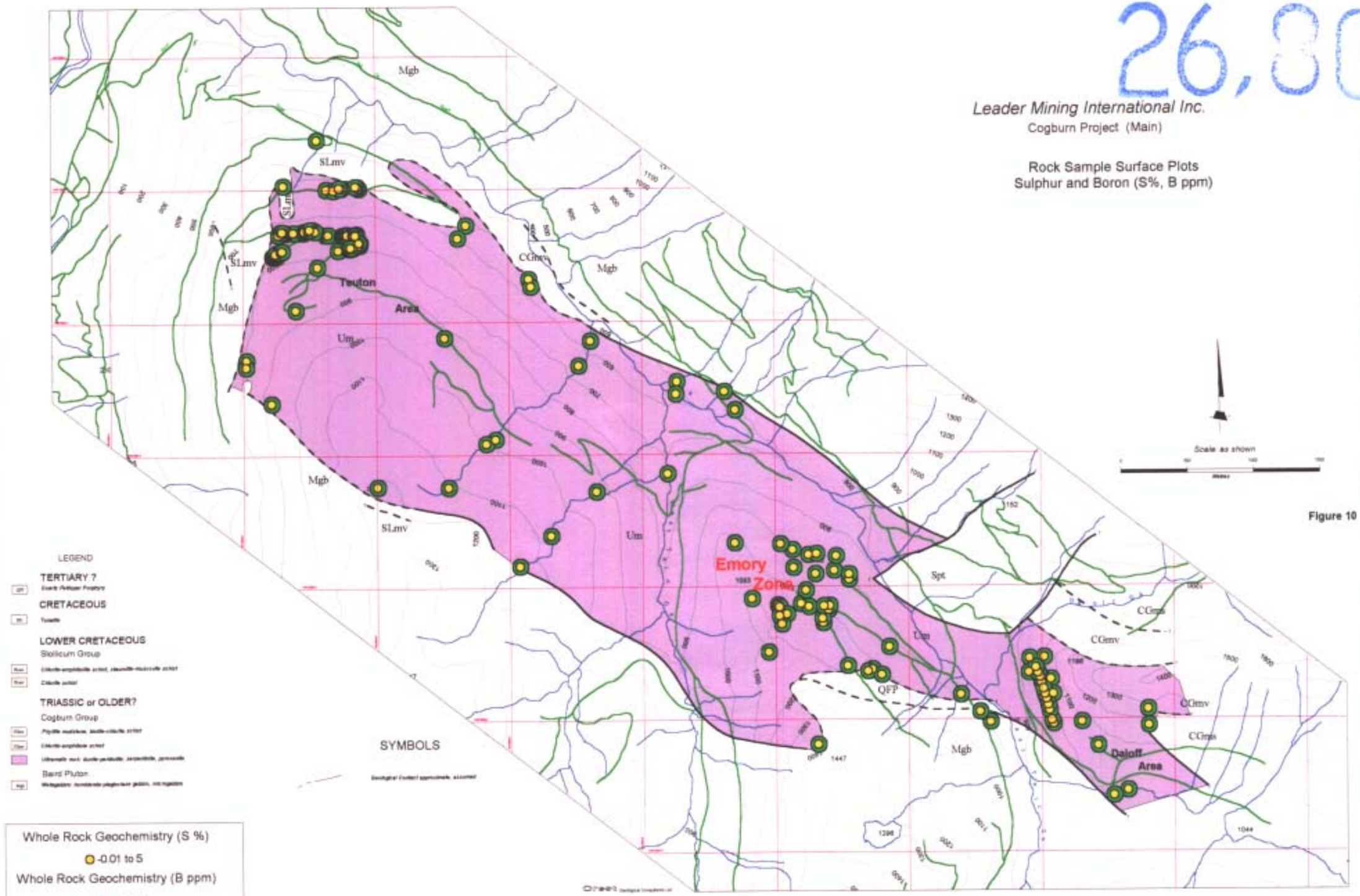


Figure 10

Sulphide rich quartz veins are mapped in metagabbro, outboard of the hornfels halo to the southeast of a quartz-feldspar porphyry which intrudes the ultramafic-metagabbro contact along the eastern margin of the main ultramafic body. These are 1cm to 30cm wide veins that occupy a persistent fracture set in the metagabbro. The vein set is traced along strike for some 300m and 150m in elevation and includes high angle north to northeast dipping veins with a moderate southwest dipping conjugate vein set. The veins are comprised of coarse white quartz commonly with cockscomb textures. The sulphide content of the veins varies from 0.5% to occasionally >15%. Arsenopyrite, tetrahedrite? with lesser pyrrhotite, pyrite and chalcopyrite are the dominant sulphides. Coarse red sphalerite is noted in one sample and minor bornite and stibnite may also occur in the veins.

Five of the seven quartz veins returned detectable gold up to 2.4g/t Au (Table 4). Elevated gold values are associated with increased silver (to 200g/t), arsenic (to >1%), antimony (to 3380ppm) and highly anomalous copper (>1%), zinc (0.69%) and lead.

TABLE 4: ICP ANALYSES OF SELECTED MINERALIZED QUARTZ VEINS

Sample No.	Au ppb	Au g/t	Ag ppm	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm
17183	NA	NA	-0.2	-5	40	-5	16	44	18	365	12	-2	-5	73
17184	NA	NA	-0.2	-5	60	-5	32	33	106	245	18	-2	-5	90
17223	76	NA	<0.2	45	40	<5	25	122	171	170	33	<2	<5	103
17224	2281	2.4	22	>10000	10	15	5	138	264	770	25	2710	105	6899
17225	276	NA	>200.0	1480	10	5	13	515	>10000	900	121	266	3380	4503
17226	13	NA	2.8	205	10	<5	36	276	365	125	35	14	35	100
17227	22	NA	1.2	540	20	25	187	75	820	45	149	36	10	42

The veins are clearly part of a precious metal rich, polymetallic vein system on the margins of these late intrusions.

DRILL PROGRAM

INTRODUCTION

Drilling commenced on November 15, 2001 and finished on December 10, 2001. Of the twenty-six planned holes, twenty-one drill holes reached bedrock, for a total of 1359.9m. Four holes were stopped in overburden, and one hole was not drilled due to location. Of the completed drill holes only one hole was stopped short of its target depth (Table 5 and Figure 11 for core hole locations).

A total of 517 core samples were collected. A further 48 chip samples were taken from surface exposures in the Daioff and Teuton areas prior to drill startup. All core samples were submitted to Assayers of Canada Inc. for whole rock and trace element analyses (see Appendix 2 for analytical procedures and results).

Three separate targets, the ***Emory Zone*** and ***Daioff*** and ***Teuton*** areas were identified through previous surface sampling and option requirements and targeted for drill follow-up. Drilling utilized widely spaced, mainly vertical drill holes, located on the existing road network. Ultramafic rock was encountered in all completed drill holes. Significant intervals of tonalite and quartz-feldspar porphyry was intersected in several drill holes away from the main zones. Clastic sediments and chlorite schist (after volcanic?) were drilled in a few holes but are relatively minor lithological

components. The drill program was successful in outlining large areas of significant Mg potential (> 40% MgO) in two of the three target zones. One of the higher-grade zones (***Emory Zone***) has been identified for definition drill testing.

TABLE 5: DRILL COLLAR SUMMARY SHEET

Drill Hole Number	UTM E	UTM N	Elevation metres	EOH metres	DIP/ AZIMUTH	Overburden metres	Remarks
CR01-01	591912	5486627	770	50.6	-90	3.1	Hole completed
CR01-02	591509	5486317	830	50.6	-90	6.1	Hole completed
CR01-03	591320	5486113	855	50.6	-90	15.2	Hole completed
CR01-04	592733	5485618	925	50.6	-90	6.1	Hole completed
CR01-05	592621	5485505	980	50.6	-90	9.1	Hole completed
CR01-06	592465	5485380	1020	50.6	-90	3.1	Hole completed
CR01-07	595624	5483945	920	50.6	-60/232°	5.8	Hole completed
CR01-08	595455	5483801	990	150.0	-90	6.1	Hole completed
CR01-09	595370	5483753	1018	46.6	-90	1.2	Broken bit
CR01-10	595869	5483680	895	50.6	-60/232°	4.5	Hole completed
CR01-11	595758	5483628	945	50.6	-90	25.9	Hole completed
CR01-12	595554	5483432	1060	50.6	-90	3.7	Hole completed
CR01-13	596331	5483537	865	10.7	-90	10.7	Stopped in overburden
CR01-14	596143	5483411	890	-------	-------		Hole not drilled
CR01-15	596049	5483368	920	150.0	-90	16.8	Hole completed
CR01-16	596774	5483496	885	16.8	-90	16.8	Stopped in overburden
CR01-17	596862	5483100	900	38.1	-90	38.1	Stopped in overburden
CR01-18	597371	5482840	1048	50.6	-90	9.1	Hole completed
CR01-19	597210	5482689	984	36.9	-90	36.9	Stopped in overburden
CR01-20	597814	5482733	1078	50.6	-90	20.1	Hole completed
CR01-21	597525	5482499	1022	50.6	-90	36.0	Hole completed
CR01-22	595153	5483954	1005	50.6	-90	3.1	Hole completed
CR01-23	595293	5483874	998	50.6	-90	4.6	Hole completed
CR01-24	595463	5483579	1042	50.6	-90	6.1	Hole completed
CR01-25	595612	5483712	965	50.6	-90	9.1	Hole completed
CR01-26	595743	5483818	905	50.6	-60/232°	11.0	Hole completed
			Total (m)	**1359.9**			

PROCEDURES

Drill collars were located using GPS. Drilling was conducted with two 12-hour shifts per day, with a Longyear 37 drill using thin wall NQ core. Drill core was placed in marked boxes and transported to the sampling facility. The drill core was "re-assembled" (best fit), marked off at one metre intervals, RQD measurement was conducted along with a photograph (3 boxes at a time) of the core and split in half longitudinally in 2m intervals using a diamond saw. Half the core was bagged (given a unique sample number) and sent for analysis to Assayers Canada Ltd., Vancouver, B.C. One sample from every hole (for a total of 21) was quartered and used as a check assay. Check samples were sent to Acme Analytical Labs Inc., Vancouver for whole rock and trace element analyses (see Appendix 2 for check sample results).

The core has not been logged or rock mass discontinuity (joints, shears, faults or dykes) studies completed to date.

OVERBURDEN

The amount of overburden encountered in the drill holes was highly variable and could significantly impact the viability of any open pit scenario. Excessive overburden was encountered in several holes and in some cases drilling was stopped before hitting bedrock (see Table 5). The thickest overburden, in some holes exceeding 35m, was encountered toward the valley bottom in the Emory Zone and Daioff areas. Shallower overburden occurs further up slope and ranges from 2m to 6m in thickness.

EMORY ZONE (FIGURES 12 TO 15)

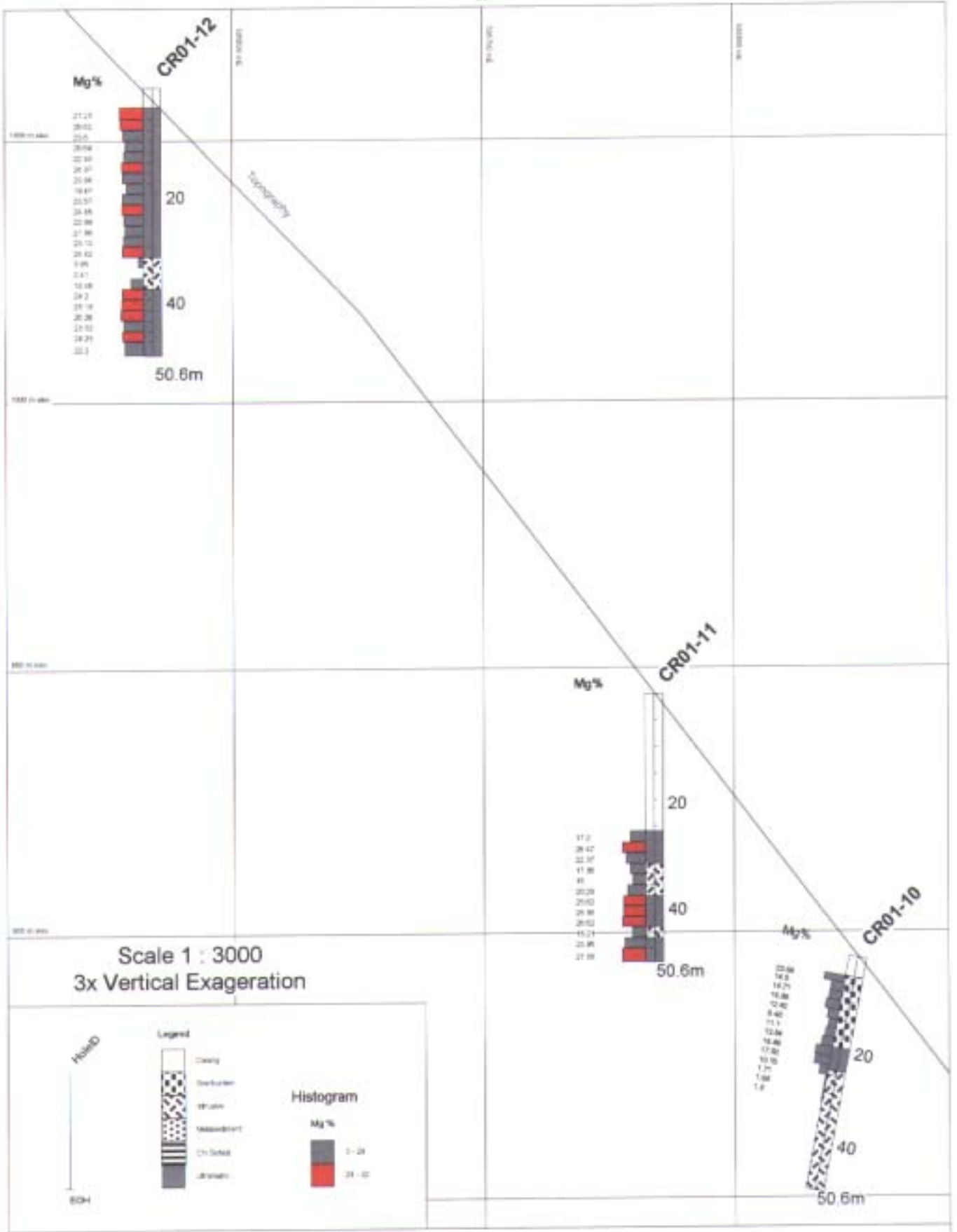
The drill plan in the Emory Zone called for four northeast-trending fences of three drill holes each. Two extra holes were bored to the northwest in the area of the switchback. Drill holes were collared up to the margin of the ultramafic, adjacent to the quartz feldspar porphyry intrusive. Fourteen drill holes for a total of 802m were bored in the area. Most holes were drilled to a depth of 50.6m, drill holes CR01-08 and CR01-15 were drilled to 150.6m. CR01-13 was not completed due to excessive overburden and CR01-14 was not drilled due to anticipated problems with overburden.

Weighed averages of the entire drilled interval (regardless of lithology) from seven of the twelve completed drill holes returned values from 24.77wt% Mg to 26.97wt% Mg (see Table 6 in Appendix IV). The drill holes containing the highest grade Mg are collared in the northwest part of the grid. Ultramafic rocks in four holes (CR01-10, -11, -12, -26), which intersected mafic and felsic intrusive rocks contain erratic and generally lower Mg % values (see Figures 12 to 15). Otherwise, Mg % values from the ultramafic is quite consistent down hole and is not uncommon to have only 2 to 3, 2m intervals, of lower grade material (<24wt% Mg) interspersed within 30m to 40m of >24wt% Mg (eg. CR01-08).

Other key elements are within the guidelines as described by Hatch (Harris and Urquhart, pers. comm. 2001). On average Fe wt% is a little higher than the optimum 3 wt% to 5 wt%, but well below the 10 wt% upper limit. Ca values are low (averaging 0.71 wt%) and reflects the lack of pyroxene and amphibole in the ultramafic rocks. Sulphur averages 2.07wt%, but again is well below the 5wt% tolerance. Cyclical variation in sulphur is seen in several holes, suggesting possible fractionation trends in the ultramafic rocks. The sulphur trend as viewed down hole shows a gradual increase with a well defined break suggesting that the ultramafic package at this location may be overturned. Boron values, like Ca, is low averaging 5.33ppm. Ni averages between 1700ppm and 2200ppm, but again these values are well below the 1wt% tolerence.

DAIOFF AREA

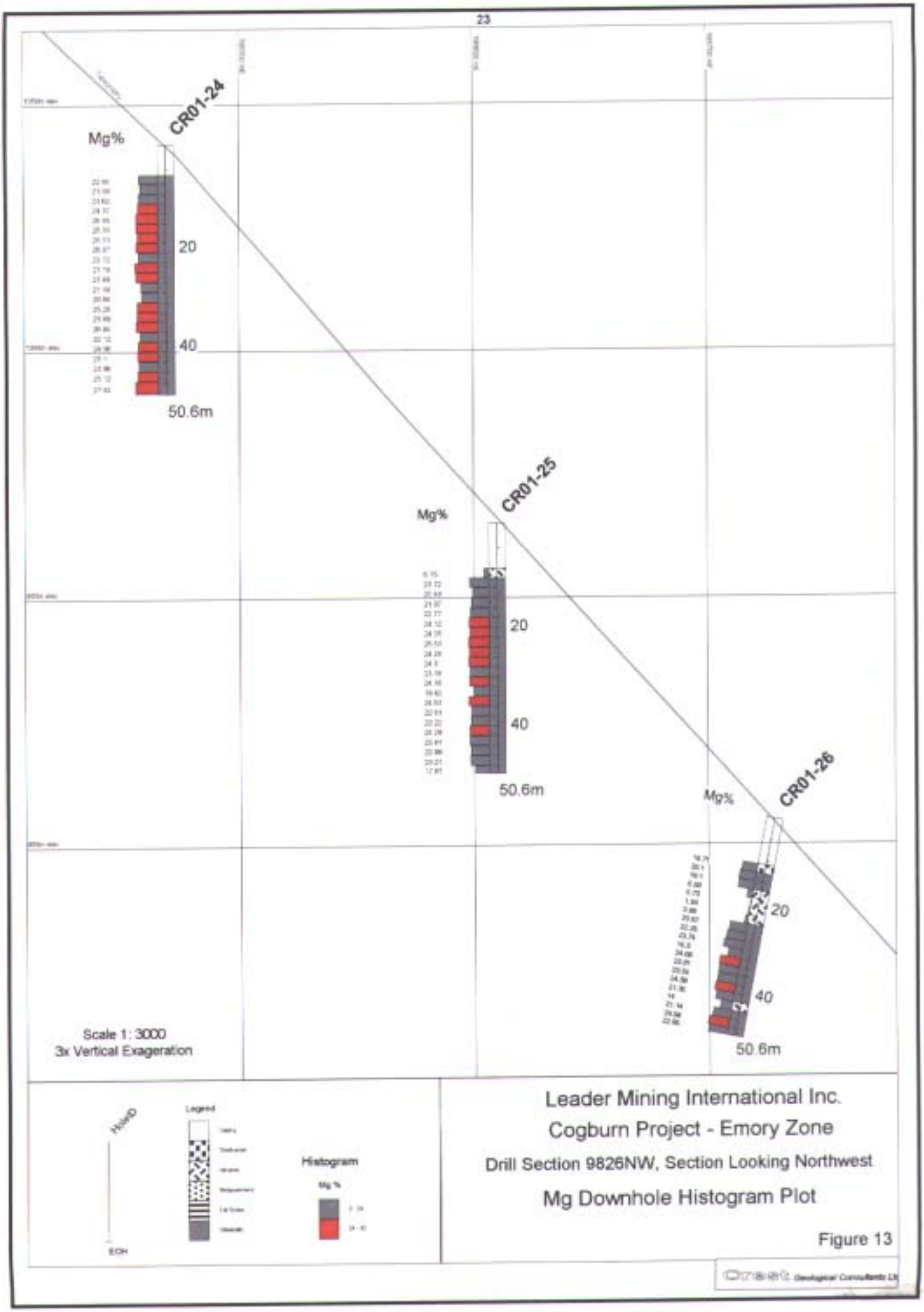
The Daioff area is located to the southeast of the Emory Zone and occupies much of the east Talc Creek valley. The area has been clearcut and is accessed via logging roads. A total of five reconnaissance drill holes were collared in the area. Three of the five drill holes penetrated bedrock and were drilled to a depth of 50.6m. Drill holes CR01-16 and CR01-17 were not completed due to excessive overburden. Thick overburden was encountered in the three remaining drill holes that penetrated bedrock.



Leader Mining International Inc.
Cogburn Project - Emory Zone

Drill Section 9652NW, Section Looking Northwest
Mg Downhole Histogram Plot

Figure 12



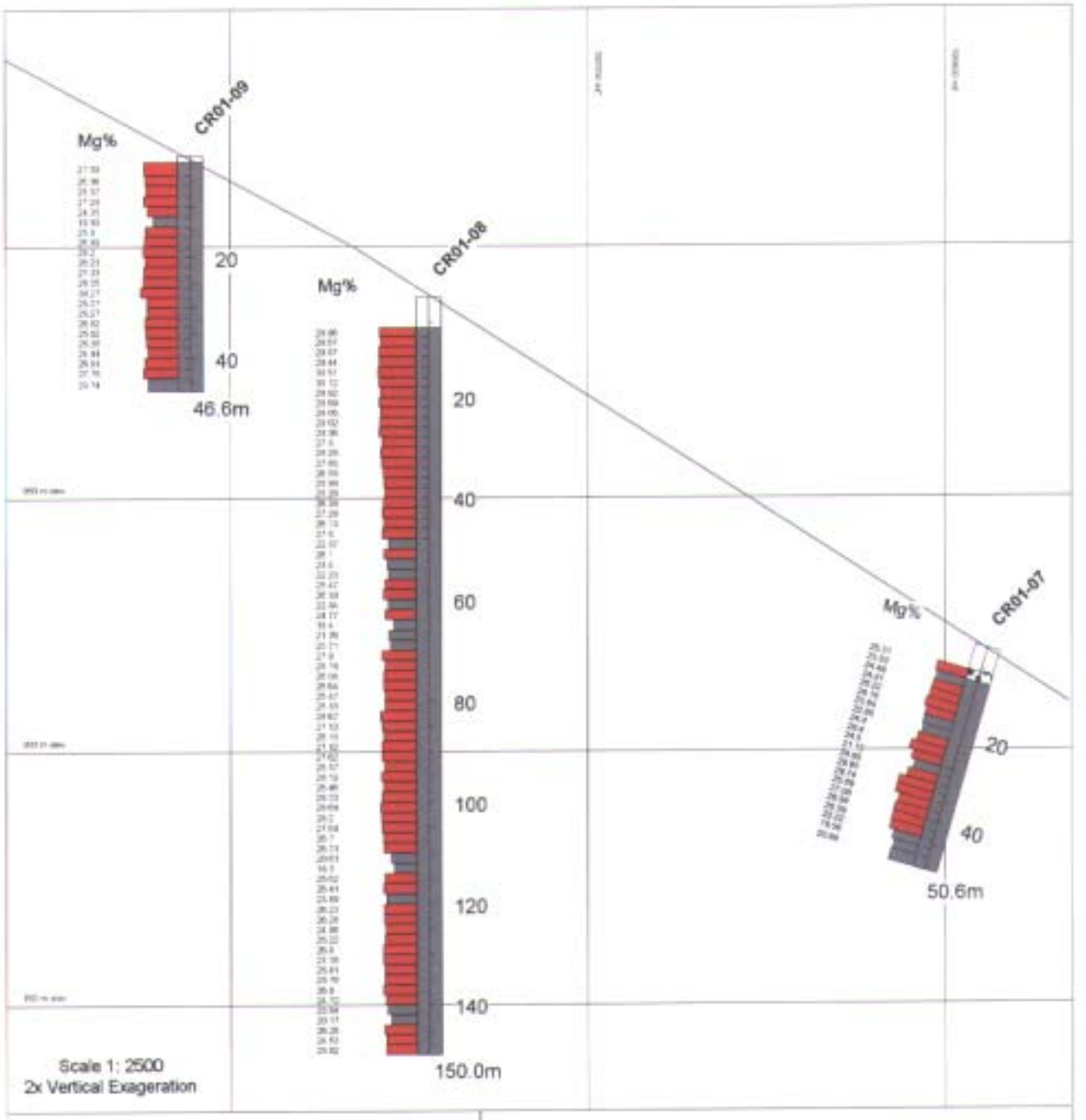
Leader Mining International Inc.

Cogburn Project - Emory Zone

Drill Section 9826NW, Section Looking Northwest

Mg Downhole Histogram Plot

Figure 13



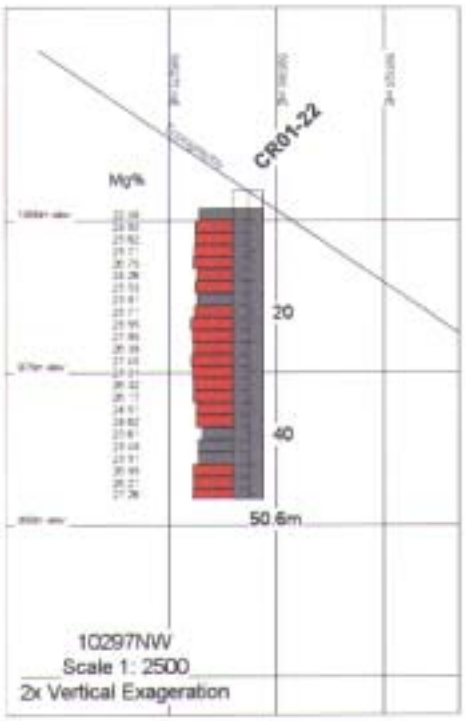
Leader Mining International Inc.

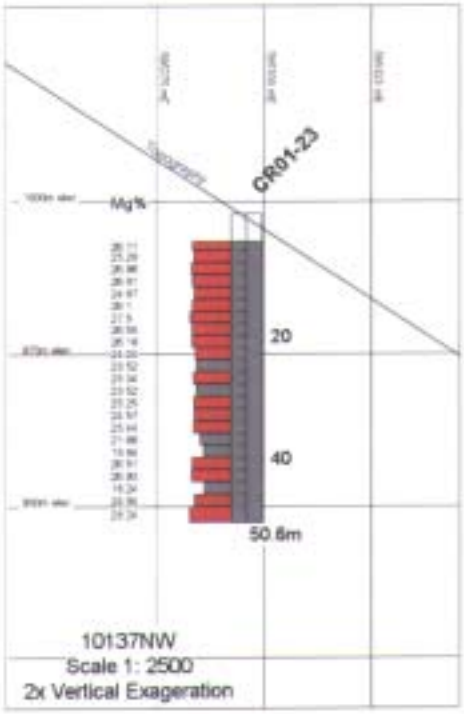
Cogburn Project - Emory Zone

Drill Section 10 000NW, Section Looking Northwest

Mg Downhole Histogram Plot

Figure 14





Leader Mining international Inc.
Cogburn Project - Emory Zone

Drill Sections 10 297NW, 10 137NW,
Sections Looking Northwest

Mg Downhole Histogram Plot

Figure 15

Ultramafic intervals in two of the three drill holes yielded poor results. No anomalous values were intersected in drill hole CR01-20, and only 10m out of 40m of drilled ultramafic returned higher grade values (>24 wt% Mg) in CR01-18 (see Table 7 in Appendix II). High Mg% values, ranging from 27.68 wt% Mg to 30.22 wt% Mg over 14.6m is reported from CR01-21. However, this interval was under 36m of overburden. Similarly to ultramafic rocks in the Emory Zone, these rocks have overall low abundances of Fe%, Ca%, S%, B and Ni.

Reconnaissance drilling in the Daioff area shows that magnesium grade is too erratic and overburden too thick to provide a viable follow-up target.

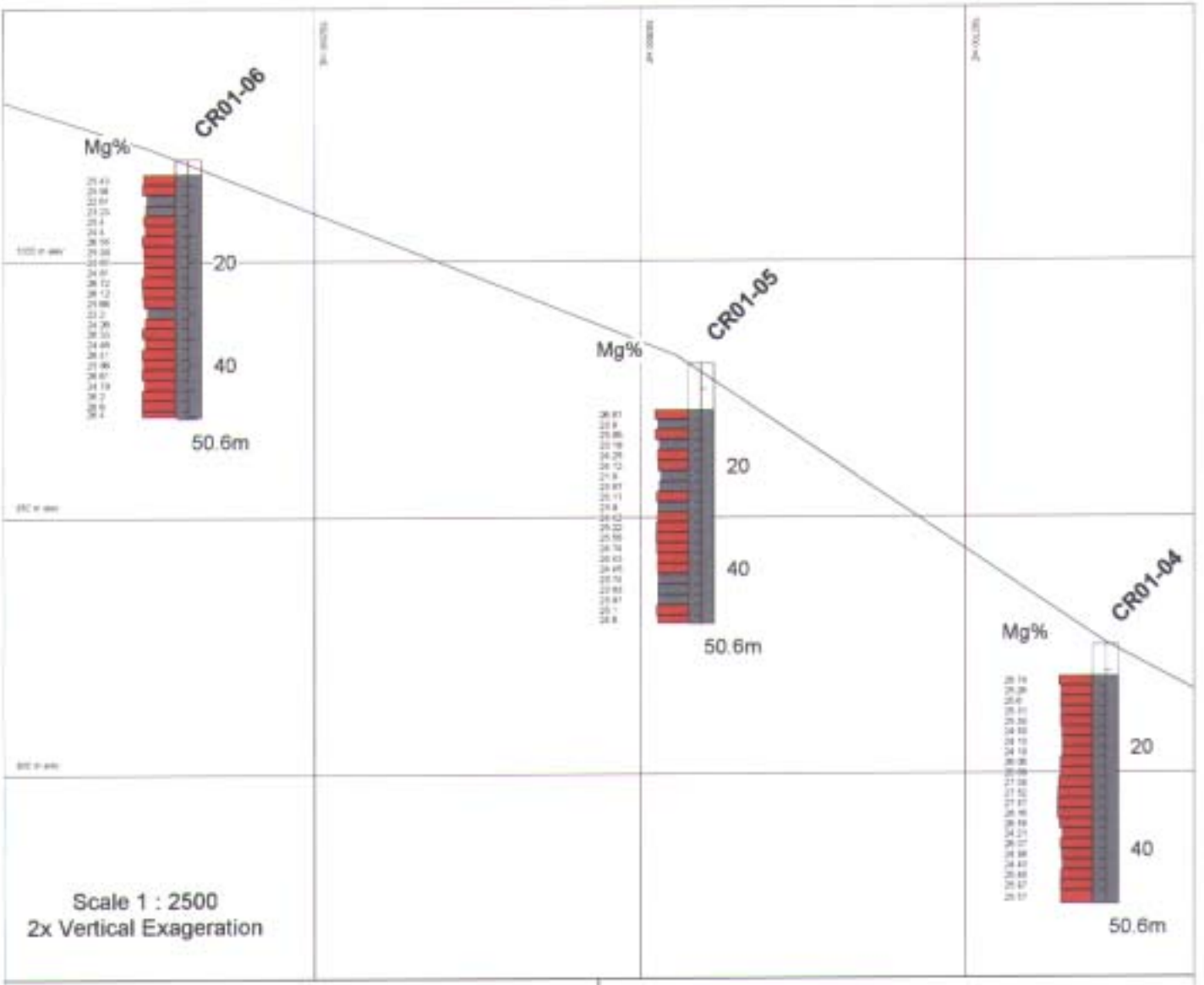
TEUTON AREA (FIGURES 16 AND 17)

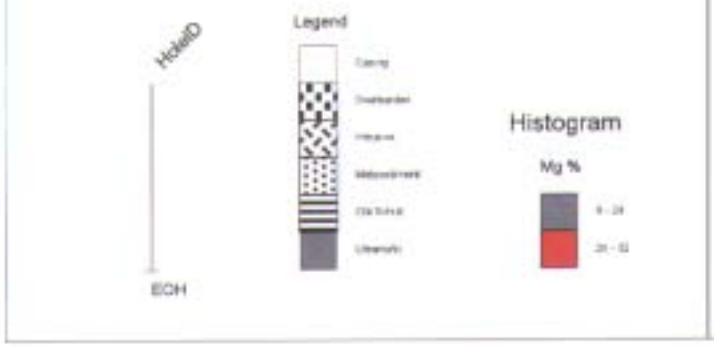
The drill plan for the Teuton area called for two northeast-trending fences of three drill holes each. The fences extend 800m and 400m respectively. All six of the drill holes penetrated bedrock and drilled to the prescribed depth. Overburden varied from 3m to 15m thick, and is generally less than six metres. The drill holes are collared within ultramafic rock and drilled to a depth of 50.6m. A total of 303.6m were drilled in this area. Over 98% of the total bedrock drilled was ultramafic rock.

Weighed averages of magnesium of the entire drilled interval (regardless of lithology) from six of the drill holes returned values from 24.26 wt% Mg to 25.95 wt% Mg (see Table 8 in Appendix II). In both fences the best drill holes, with respect to higher overall grade and Mg continuity within the hole, were the most northeasterly holes (CR01-01, -04). Magnesium grade continuity was not as good in drill holes CR01-05 and CR01-06. Continuity was very good in drill holes CR01-02, -03 where only 4 metres of lower grade material was intersected within 44.5m and 35.4m of higher grade material (>24% Mg) respectively.

Overall impurities in the ultramafic rock is low. Fe% averages between 5.8 wt% and 6.3 wt%. Ca% is < 1.1wt%. These rocks contain nearly no sulphides (0.01 wt%). Boron, is typically < 10 ppm. Ni averages between 1924ppm and 2116ppm.

The main ultramafic body on the Cogburn property is potentially a large resource of magnesium silicate feed of remarkably uniform grade, with high average magnesium content and low average impurities. The results of this latest work on the Cogburn property is very encouraging and warrants immediate follow-up. The overall grade of the ultramafic in the Emory Zone makes this area the most attractive target. The Teuton area is characterized by overall grade consistency and low impurity levels, which make the Teuton area a secondary viable target for drill follow-up. Reconnaissance drilling has identified further magnesium potential in other areas of the property, which should be considered as a positive factor when considering the long term viability of the project.



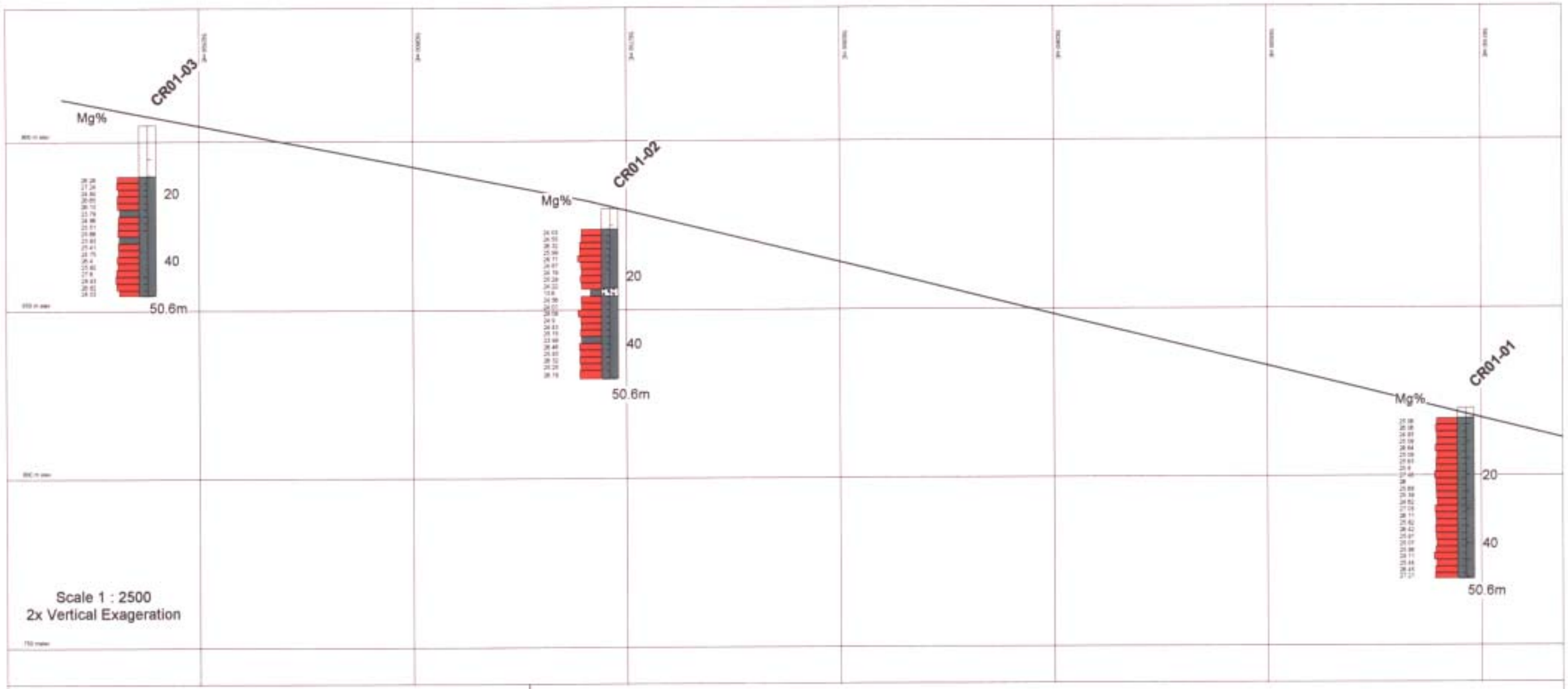


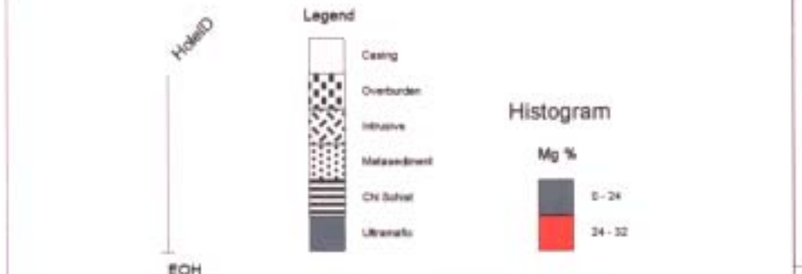
Leader Mining International Inc.
Cogburn Project - Teuton Area

Drill Section 13 117NW, Section Looking Northwest

Mg Downhole Histogram Plot

Figure 16





Leader Mining International Inc.
Cogbun Project - Teuton Area

Drill Section 14503NW, Section looking Northwest

Mg Downhole Histogram Plot

Figure 17

RECOMMENDATIONS

Based on results from the three phases completed to date on the Cogburn project the following recommendations are suggested to further develop this magnesium property of merit.

Phase 4: Definition Drilling - Emory Zone

It is recommended that a 1200m (300mx300m area, based on a 50mx50m square drill pattern) definition drill program be carried out covering the west and northwest areas of the Emory Zone. The purpose of the drilling is to define an area within the Emory Zone amenable to open pit mining methods, with >24% Mg wt%, and low impurity levels which may adversely affect the proposed Hatch extraction process.

Core should be split on 2m intervals and submitted for whole rock analysis and bench scale Mg leach testing.

It is estimated the Phase 4 definition drill program will cost $135,000.

Follow-up of base and precious metal anomalies peripheral to the main and north ultramafic packages should be investigated at a later date.

Respectfully submitted,

CREST GEOLOGICAL CONSULTANTS LTD.

Craig W. Payne, M.Sc., P.Geo.
March 8, 2002

ITEMIZED COST STATEMENT

	$
Assays/Geochem	
93 rock samples at $10.53 per sample	979.29
516 core samples at $10.53 per sample	5,433.48
Truck Rental 49 days at $60 per day	2,940.00
Fuel	257.40
Communications/Telephone	205.83
Field Equipment Rental/Consumables	3,557.19
Tolls/Travel Costs	206.10
Salaries - 49 days during the period Sept. 15 to Dec. 10, 2001	
R. Roe at $250 per day(49 days)	12,250.00
C. Roe at $220 per day(32 days)	7,040.00
R. Macdonald at $300 per day(33 days)	9,900.00
Room and Board – 114 mandays @ $40/manday (Sept. 15 to Dec. 10, 2001)	4,560.00
Core Drilling (Nov. 15 to Dec. 10, 2001)	76,621.86
Assessment Report and Maps	1,048.85
TOTAL	**$125,000.00**

STATEMENT OF QUALIFICATIONS

I, Craig W. Payne of Coquitlam, British Columbia do hereby certify that I:

1. am a graduate of Brock University, St. Catharines, Ontario with a Master of Science degree in Geological Sciences, 1979.

2. am a Fellow of the Geological Association of Canada.

3. am a member of the Association of Professional Engineers and Geoscientists of British Columbia.

4. have practiced my profession since 1972.

5. am a consulting geologist with Crest Geological Consultants Limited.

6. am a co-author of the report entitled " Geological and Drilling Report on the Cogburn Property", New Westminister Mining Division, dated March 8, 2002.

Dated at Coquitlam, B.C. this 8th day of March, 2002.

Respectfully submitted,

CREST GEOLOGICAL CONSULTANTS LIMITED

Craig W. Payne M.Sc., P.Geo.
March 8, 2002

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APPENDIX I

SURFACE ROCK SAMPLE DESCRIPTIONS

and

ROCK SAMPLE GEOCHEMICAL CERTIFICATES

CREST *Geological Consultants Ltd.*

COGBURN PROPERTY

SUMMARY OF SURFACE ULTRAMAFIC ROCK SAMPLES FROM EMORY ZONE

Sample No.	Sample Type	Mg %	Fe %	Ca %	Ni ppm
17230	Chip (1m)	31.44	6.32	0.14	2180
17229	Chip (1m)	30.22	6.56	0.09	1907
723831	Grab	29.22	5.76	0.35	NA
723803	Grab	28.26	6.08	0.01	1884
723834	Chip (1m)	27.93	5.59	0.18	NA
17233	Chip (1m)	27.42	5.17	0.17	1620
723836	Chip (1m)	27.29	6.45	0.12	NA
723835	Chip (1m)	27.18	6.71	0.04	NA
723826	Grab	27.17	5.92	0.21	NA
723801	Chip (1m)	27.14	5.30	0.01	2015
723832	Grab	27.06	5.95	0.13	NA
723830	Grab	26.54	5.49	0.11	NA
723802	Chip (1m)	26.50	5.71	0.01	2083
723829	Grab	26.42	5.84	0.14	NA
17234	Chip (1m)	26.33	6.83	1.67	1647
17232	Chip (1m)	26.30	6.55	0.15	1697
17228	Chip (1m)	26.20	6.90	0.16	1865
723827	Grab	25.68	5.62	0.13	NA
723811	Grab	25.20	6.71	0.06	1821
723808	Grab	24.34	6.18	0.83	1792
723807	Chip (1m)	23.80	4.11	0.01	1700
723805	Chip (1m)	23.65	5.70	0.01	1468
723822	Grab	23.54	5.99	0.01	1922
723809	Grab	22.50	5.67	0.64	1483
723810	Grab	22.48	5.61	0.39	1473
723817	Grab	22.19	5.55	0.33	1918
723812	Grab	21.57	4.90	0.90	1516
723821	Grab	21.23	5.69	0.04	1606
723820	Grab	21.16	4.97	0.38	1536
723818	Grab	18.90	5.26	1.11	1505
723819	Grab	17.55	4.57	0.99	1326
	mean=	**25.24**	**5.80**	**0.31**	**1821**

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COGBURN PROPERTY

SUMMARY OF SURFACE ULTRAMAFIC ROCK SAMPLES FROM DAIOFF AREA

Sample No.	Sample Type	Mg %	Fe %	Ca %	Ni ppm
17213	Chip (1m)	29.81	6.29	0.06	1956
17221	Chip (1m)	29.54	6.66	0.11	2276
18743	Chip (10m)	29.02	7.10	0.56	2126
18496	Chip (10m)	28.84	6.70	0.37	2042
18497	Chip (10m)	28.49	6.36	0.50	1985
723837	Grab	28.48	6.35	0.76	NA
18741	Chip (10m)	28.35	6.70	0.65	2000
18744	Chip (10m)	28.20	6.46	0.81	1995
18498	Chip (10m)	28.13	6.48	0.72	1946
18745	Chip (10m)	28.02	6.32	0.59	2086
723841	Grab	27.05	5.74	0.31	NA
18500	Chip (10m)	26.94	6.25	0.56	2031
18740	Chip (10m)	26.92	5.99	0.86	1952
18499	Chip (10m)	26.89	6.04	0.65	1979
18742	Chip (10m)	26.85	6.01	0.47	2084
17212	Chip (1m)	26.79	5.82	0.35	1703
723840	Grab	26.27	5.95	0.54	NA
723824	Grab	24.54	6.64	0.06	1824
17215	Chip (1m)	23.92	5.65	0.86	1345
17214	Chip (1m)	23.42	5.50	0.21	1665
723814	Grab	22.44	5.93	0.04	1980
723813	Grab	19.42	5.44	0.55	1471
	mean=	**26.74**	**6.20**	**0.48**	**1918**

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COGBURN PROPERTY

SUMMARY OF SURFACE ULTRAMAFIC ROCK SAMPLES FROM TEUTON AREA

Sample No.	Sample Type	Mg %	Fe %	Ca %	Ni ppm
18827	Chip (10m)	27.84	6.23	0.31	1792
18815	Chip (10m)	27.30	6.33	0.16	1774
18803	Chip (10m)	27.25	6.07	0.56	1807
17192	Chip (1m)	27.21	5.51	0.06	1703
17235	Chip (1m)	27.09	5.50	0.37	1973
17191	Chip (1m)	26.89	5.53	0.68	1715
17193	Chip (1m)	26.50	6.09	0.24	1687
18825	Chip (10m)	26.24	6.25	0.40	2012
18800	Chip (10m)	25.83	5.80	0.41	2032
18804	Chip (10m)	25.79	6.06	0.24	1877
18818	Chip (10m)	25.75	6.67	0.14	1652
18829	Chip (10m)	25.64	6.08	0.38	1753
18807	Chip (10m)	25.48	5.90	0.34	1566
17195	Chip (1m)	25.47	5.42	1.10	1723
723844	Chip (1m)	25.27	5.67	0.20	1708
18830	Chip (10m)	25.22	6.29	0.22	1856
18814	Chip (10m)	25.20	5.91	0.34	1769
18828	Chip (10m)	25.09	6.04	0.99	1738
18819	Chip (10m)	25.02	6.38	0.06	1631
18813	Chip (10m)	24.99	6.00	0.20	1788
18808	Chip (10m)	24.98	6.08	0.34	1684
18816	Chip (10m)	24.97	5.92	0.21	1841
17237	Chip (1m)	24.89	5.64	1.20	1628
18812	Chip (10m)	24.74	6.27	0.10	1792
18801	Chip (10m)	24.64	5.61	0.61	1783
18831	Chip (10m)	24.50	6.16	0.29	1523
18823	Chip (10m)	24.23	5.39	0.29	1794
18809	Chip (10m)	24.21	5.94	0.56	1721
18811	Chip (10m)	24.00	6.25	0.26	1586
18802	Chip (10m)	23.98	5.58	0.51	1566
723847	Chip (1m)	23.86	5.94	0.66	1630
18805	Chip (10m)	23.79	5.43	0.20	1700
723842	Chip (1m)	23.75	5.64	0.23	1818
723846	Chip (1m)	23.70	5.61	0.34	1620
18826	Chip (10m)	23.64	6.40	0.76	1742
18822	Chip (10m)	23.52	5.57	0.38	1886
18817	Chip (10m)	23.50	5.53	0.15	1729
18806	Chip (10m)	23.37	5.59	0.59	1649
18820	Chip (10m)	23.21	6.30	0.17	1610
18832	Chip (10m)	23.11	5.53	0.23	1460
18824	Chip (10m)	22.97	6.39	1.08	1622
18810	Chip (10m)	22.86	5.53	0.28	1590
18821	Chip (10m)	22.84	5.73	0.15	1631
723843	Chip (1m)	21.87	6.02	0.16	1831
17236	Chip (1m)	21.52	5.46	0.44	2011
	mean=	**24.75**	**5.89**	**0.39**	**1733**

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2001 SURFACE ICP ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
17167	594702	5485334	Grab	Bedrock	Medium grey, fine to medium grained, moderately magnetic, non-calcareous, weakly chloritic siliceous rock.	-0.2	-5	1	-2	2	25
17168	608177	5480149	Grab	Bedrock	Dark olive green, medium to coarse grained chloritic pyroxenite. Rock is weakly magnetic.	-0.2	-5	189	-2	-2	24
17169	608174	5480152	Grab	Bedrock	Fine grained, equigranular diorite. Rock is weakly magnetic. 1% disseminated pyrrhotite throughout sample.	-0.2	-5	87	-2	-2	42
17160	608741	5480610	Grab	Bedrock	Weakly chloritic, medium to coarse grained pyroxenite with trace disseminated pyrite.	-0.2	-5	89	-2	-2	13
17163	598954	5486497	Grab	Subcrop	Dark green fine grained pyroxenite. Moderately magnetic with 1mm to 3mm wide serpentinite veinlets. Trace disseminated pyrite.	-0.2	-5	14	-2	-2	15
17164	598210	5486636	Grab	Subcrop	Fine grained, dark green, weakly chloritic pyroxenite. Weakly serpentinized along fractures. Strongly magnetic.	-0.2	-5	12	-2	-2	17
17165	598262	5486699	Grab	Subcrop	Brecciated pyroxenite with chlorite, calcite serpentinite infilling matrix, Abundant manganese on fracture surfaces.	-0.2	-5	18	-2	-2	24
17166	608977	5480811	Grab	Bedrock	Dark green to black, fine to medium grained pyroxenite. Rock is weakly chloritic.	-0.2	-5	17	-2	-2	27
17167	609617	5490764	Grab	Bedrock	Fine to medium grained garnet schist.	-0.2	-5	50	-2	-2	117
17168	610122	5484507	Grab	Bedrock	Fine grained, dark green metagabbro. Minor quartz veins to 10cm wide.	-0.2	-5	-1	-2	-2	32
17169	610558	5484676	Grab	Bedrock	Foliated metagabbro, weakly chloritic with trace quartz sweats.	-0.2	-5	49	-2	-2	21
17170	611089	5485077	Grab	Bedrock	Light to medium grey, fine grained garnet schist. 5% to 15% garnet phenocrysts.	-0.2	-5	42	-2	-2	67
17171	608440	5480412	Grab	Bedrock	Dark green, medium grained metagabbro. Trace disseminated very fine grained sulphide.	-0.2	-5	64	-2	-2	28
17172	598441	5489387	Grab	Bedrock	Very fine grained quartzite.	-0.2	-5	44	-2	2	122
17173	598665	5489108	Grab	Bedrock/subcrop	Intensely siliceous, very fine grained hornfels with 1% to 3% stringers and disseminated pyrrhotite, pyrite and trace chalcopyrite.	0.2	-5	775	-2	-2	48
17174	601831	5473442	Grab	Bedrock	Fine grained, thinly laminated , dark grey garnet schist with 10% garnets.	-0.2	-5	29	2	-2	136
17175	601766	5472769	Grab	Bedrock	Garnet Schist. Black to dark green, with 10% euhedral garnet phenocrysts.	-0.2	-5	63	-2	-2	126
17176	593992	5489761	Grab	Bedrock	Medium to coarse grained metagabbro with coarse hornblende phenocrysts, biotite, feldspar and trace disseminated pyrite. Rock is non-magnetic.	-0.2	-5	60	-2	-2	39
17177	593860	5489778	Grab	Bedrock	Fine grained hornblende metagabbro-diorite, trace limonite along fractures.	-0.2	-5	32	-2	-2	59
17178	593972	5489883	Grab	Bedrock	Pyroxenite? with trace pentlandite through sample.	-0.2	-5	33	-2	-2	42
17179	592845	5490198	Grab	Bedrock	Pyroxenite? , very fine grained, black to dark green, weakly magnetic with 5%stringers and disseminated sulphides.	-0.2	-5	208	-2	-2	37
17180	592960	5490205	Grab	Bedrock	Dark green, very fine grained, weakly magnetic pyroxenite/microgabbro.	-0.2	-5	91	-2	-2	32
17181	590163	5489880	Grab	Subcrop	Fine to medium grained, dark green with minor gypsum veinlets, moderately chloritic pyroxenite.	-0.2	10	18	-2	-2	14
17183	596613	5482981	Grab	Bedrock	Fine grained, dark green, weakly magnetic pyroxenite with quartz-calcite veinlets. Iron stain on fractures.	-0.2	-5	18	-2	-2	73
17184	596535	5483059	Grab	Float	Pyroxenite with 15% disseminated sulphides throughout sample. Rock is weakly chloritic, moderately siliceous and weakly magnetic.	-0.2	-5	106	-2	-2	90
17185	594263	5485549	Grab	Bedrock/subcrop	Fine to medium grained pyroxenite with 2cm wide weathered rind.	-0.2	-5	-1	-2	-2	22
17188	594142	5485190	Grab	Bedrock	Dark green, fine grained pyroxenite, talc rich, chloritic, weakly magnetic minor quartz veinlets with trace fine grained sulphides in veinlets.	-0.2	-5	3	-2	-2	22
17189	591558	5487381	Grab	Bedrock	Medium to dark green, fine grained, weakly chloritic serpentinite, moderately magnetic. Talc along fractures.	-0.2	-5	-1	-2	-2	15
17190	591628	5487005	Grab	Bedrock	Quartz-carbonate vein in pyroxenite with strong limonite-goethite. Locally developed stockworks.	-0.2	50	10	-2	-2	21
17191	591315	5486678	Grab	Bedrock	Massive, fine grained dunite, serpentinite along fractures.	-0.2	-5	5	-2	-2	40
17192	591523	5486705	Grab	Bedrock	Dark green, fine grained splintery dunite-serpentinite.	-0.2	-5	8	-2	-2	26

Sample UTM locations reported in NAD 83

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2001 SURFACE ICP ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
17193	591881	5486586	Grab	Bedrock	*Dark green, massive, fine grained dunite. Weakly to moderately magnetic rock.*	-0.2	-5	5	-2	-2	21
17194	592681	5486734	Grab	Bedrock	*Dark grey, fine grained dunite.*	-0.2	-5	1	-2	-2	25
17195	591267	5486666	0.5m chip	Bedrock	*Weakly iron-calcite altered, massive black serpentinite.*	-0.2	20	7	-2	-2	23
17196	591180	5486650	0.2m chip	Bedrock	*Chlorite-amphibole schist with <1% pyrite stringers and disseminated throughout sample.*	-0.2	5	424	-2	-2	34
17197	592897	5485123	Grab	Bedrock	*Variably serpenitized dunite with 1% to 3% disseminated magnetite-chromite.*	-0.2	-5	5	-2	-2	36
17198	592826	5485089	Grab	Bedrock	*Pyroxenite-serpentinite with 10% to 20% black pyroxene phenocrysts. Trace disseminated pyrite-pyrrhotite throughout sample.*	-0.2	-5	7	2	10	34
17199	592540	5484762	Grab	Bedrock	*Black serpentinite with trace disseminated pyrite throughout.*	-0.2	-5	10	-2	2	26
17200	592081	5484528	Grab	Bedrock	*Bull quartz with abundant iron-manganese stain along vein fractures.*	-0.2	-5	5	4	-2	11
17201	592006	5484767	Grab	Bedrock	*Greenish-grey dunite.*	-0.2	20	11	-2	-2	20
17202	591023	5485723	Grab	Bedrock	*Grey to brown weathering black serpentinite with up to 1% disseminated magnetite.*	-0.2	250	5	-2	2	17
17203	591021	5485670	Grab	Bedrock	*Pyroxenite-peridotite, black on fresh surface with 20% to 30% fine grained pyrite and <1% disseminated magnetite.*	-0.2	240	9	-2	2	20
17204	591008	5485458	Grab	Bedrock	*Green-grey, foliated chlorite-actinolite schist with 1% fine grained disseminated pyrite-chalcopyrite.*	1	-5	2539	-2	4	38
17205	591212	5485397	Grab	Bedrock	*Black, serpentinite-dunite with 5% to 10% pyroxene. Magnetite to 2% and trace disseminated pyrite.*	-0.2	-5	5	-2	2	32
17206	591324	5485200	Grab	Bedrock	*Chlorite-actinolite schist with 3% to 5% fine grained, disseminated sulphides throughout sample.*	-0.2	5	345	-2	2	92
17207	591323	5485200	Grab	Bedrock	*Gabbro? With pyroxene-plagioclase mix. Pyroxene is chlorite altered.*	-0.2	-5	147	-2	-2	41
17208	593153	5486324	Grab	Bedrock	*Dark green to black serpentinite with 2% disseminated magnetite.*	-0.2	-5	3	-2	-2	25
17209	593168	5486267	Grab	Bedrock	*Dark green to black serpentinite-peridotite.*	-0.2	-5	3	-2	-2	20
17210	593615	5485860	Grab	Bedrock	*Mauve-black medium grained serpentinite.*	-0.2	-5	2	-2	-2	22
17211	593523	5485671	Grab	Bedrock	*Dark green to black, medium grained serpentinite with 3% to 5% disseminated magnetite.*	-0.2	-5	6	-2	-2	23
17212	597648	5482464	Grab	Bedrock	*Light green altered dunite with 1% to 2% disseminated magnetite-chromite.*	-0.2	-5	-1	-2	2	27
17213	597544	5482425	Grab	Bedrock	*Waxy green serpentinite with 1% to 2% clusters of chromite and trace magnetite.*	-0.2	-5	-1	-2	2	25
17214	597807	5482951	Grab	Bedrock	*Waxy dark green peridotite with up to 4% disseminated magnetite-chromite.*	-0.2	135	9	-2	-2	31
17215	597801	5483075	Grab	Bedrock	*Mylonitized serpentinite, dark green to black strongly foliated. 5% very fine grained disseminated magnetite-chromite.*	-0.2	15	2	-2	-2	17
17216	597890	5483005	Grab	Bedrock	*Black phyllite with 1% to 2% disseminated pyrite along foliation, trace sphalerite.*	-0.2	-5	87	2	-2	58
17217	597890	5483005	Grab	Bedrock	*Siliceous, grey to black, pyritiferous phyllite with 2% very fine grained pyrite and trace sphalerite.*	-0.2	5	315	2	4	29
17218	592130	5487803	Grab	Bedrock	*Siliceous white to maroon quartz rich rhyolite? With 10% pyrrhotite in stringers parallel to foliation.*	-0.2	5	248	6	2	24
17219	592130	5487803	Grab	Bedrock	*0.5m thick gossan in biotite schist with 10% pyrrhotite in stringers cross-cutting foliation.*	-0.2	-5	247	4	4	26
17220	597286	5484193	Grab	Float	*0.5% pyrite-chalcopyrite in quartz veins, trace disseminated pyrite in diorite.*	1.4	-5	492	2	-2	65
17221	596907	5483458	Grab	Bedrock	*Foliated medium to coarse grained grey serpentinite-peridotite with trace to 1% fine grained pyrrhotite-pentlandite.*	-0.2	-5	-1	-2	4	33
17222	596389	5483186	Grab	Bedrock	*Serpentinite partially talc altered with 1% to 2% stringers and disseminated pyrrhotite-pentlandite.*	-0.2	40	105	-2	6	197
17223	596581	5482913	Grab	Bedrock	*Quartz vein with 2% to 3% disseminated and stringers of pyrrhotite, pyrite and chalcopyrite.*	-0.2	45	171	-2	-2	103
17224	596725	5482429	Grab	Bedrock	*Banded sulphide rich quartz vein, 20cm to 30cm wide. Disseminated and stringers of pyrite, arsenopyrite, chalcopyrite.*	22	10000	264	-2	2710	6899
17225	596693	5482553	Grab	Bedrock	*2cm to 4cm wide quartz vein with 5% to 8% stibnite, galena, pyrite and chalcopyrite.*	200	1480	10000	2	266	4503

Sample UTM locations reported in NAD 83

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2001 SURFACE ICP ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
17226	596107	5482792	Grab	Bedrock	Quartz vein with clots of arsenopyrite, pyrite, chalcopyrite and trace bornite.	2.8	205	365	2	14	100
17227	596041	5482844	Grab	Bedrock	Quartz vein with semi massive pyrrhotite, galena and chalcopyrite.	1.2	540	820	2	36	42
17228	595540	5483406	Grab	Bedrock	Fine grained grey serpentinite with 2% fine grained sulphides.	-0.2	55	25	-2	6	43
17229	595358	5483730	Grab	Bedrock	Fine grained black serpentinite-dunite with trace pyrrhotite along fractures.	-0.2	-5	14	-2	-2	32
17230	595397	5483828	Grab	Bedrock	Mauve-grey weakly serpentinized dunite with 1% to 2% disseminated magnetite.	-0.2	-5	-1	-2	-2	39
17231	595315	5482817	Grab	Subcrop	Dunite, dark grey, fine to medium grained with finely disseminated magnetite throughout.	-0.2	-5	-1	-2	2	22
17232	594948	5483511	Grab	Bedrock	Greyish-black, fine to medium grained dunite with disseminated magnetite throughout.	-0.2	65	-1	-2	-2	31
17233	594821	5483914	Grab	Bedrock	Medium grained greenish-grey serpentinite.	-0.2	-5	-1	-2	2	25
17234	594695	5484335	Grab	Bedrock	Dark grey, fine grained dunite, moderately magnetic.	-0.2	-5	9	-2	-2	29
17235	591250	5486503	Grab	Bedrock	Black serpentinite, bladed green serpentinite with disseminated magnetite throughout sample.	-0.2	-5	11	-2	-2	26
17236	591802	5486560	Grab	Bedrock	Maroon, fine to medium grained listwanite, weakly magnetic.	-0.2	5	13	-2	-2	18
17237	591395	5486099	Grab	Bedrock	Black, medium grained serpentinite with disseminated magnetite throughout.	-0.2	-5	2	-2	-2	22
17238	592516	5485887	Grab	Bedrock	Black serpentinite, bladed green serpentinite with disseminated magnetite throughout sample.	-0.2	-5	29	-2	-2	19
17239	591685	5486998	Grab	Bedrock	Black-grey dunite, medium grained with finely disseminated magnetite throughout sample, Strongly magnetic.	-0.2	-5	3	-2	-2	23
17240	592620	5486637	Grab	Bedrock	Medium grained, dark grey dunite with aggregates of magnetite throughout sample.	-0.2	-5	3	-2	-2	28
17241	598278	5486545	Grab	Bedrock	Black, medium grained serpentinite with coarse bladed green serpentinite along fractures. Finely disseminated magnetite throughout.	-0.2	-5	23	-2	-2	18
17242	598192	5486507	Grab	Bedrock	Black, medium to coarse grained serpentinite with fine and coarse grained magnetite throughout.	-0.2	-5	6	-2	-2	22
17243	598326	5486226	Grab	Bedrock	Black-green, medium grained serpentinite with green serpentinite along fractures. Finely disseminated magnetite throughout.	-0.2	5	30	-2	2	24
17244	598112	5486355	Grab	Bedrock	Black, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout.	-0.2	-5	3	-2	-2	20
17245	593075	5484164	Grab	Bedrock	Black, fine to medium grained dunite with finely disseminated magnetite throughout.	-0.2	10	10	-2	-2	24
17246	593311	5484396	Grab	Bedrock	Black, fine to medium grained dunite with finely disseminated magnetite throughout.	-0.2	20	8	-2	-2	28
17247	593653	5484724	Grab	Bedrock	Greyish-black to green, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout. Rock is moderately magnetic.	-0.2	-5	-1	-2	-2	26
17248	594190	5484857	Grab	Bedrock	Black, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout. Trace pyrite with fractures.	-0.2	-5	1	-2	-2	41
17249	594255	5485455	Grab	Bedrock	Black, medium grained serpentinite with coarse bladed serpentinite along fractures.	-0.2	-5	1	-2	-2	26
17250	594622	5485472	Grab	Bedrock	Black, fine to medium grained dunite.	-0.2	-5	-1	-2	-2	28
17251	594888	5487821	Grab	Bedrock	Fine grained black serpentinite-dunite with disseminated magnetite.	-0.2	-5	-1	-2	-2	19
17252	594864	5487804	Grab	Bedrock	Fine grained, black serpentinite-dunite.	-0.2	-5	14	-2	-2	24
17253	593633	5489530	Grab	Bedrock	Quartz vein with clots of arsenopyrite and chalcopyrite to 5%.	-0.2	5	215	6	-2	38
17254	593449	5489298	Grab	Bedrock	Fine grained, black serpentinite-dunite.	-0.2	5	28	-2	-2	26
17462	597175	5484277	Grab	Float	Grey, medium grained porphyritic tonalite with trace disseminated and stringers of molybdenite-chalcopyrite-pyrite.	0.66	3.5	4.69	142.6	3.77	50.4
18496	597086	5482967	10m chip	Talus	Dunite-peridotite.	-0.2	-5	-1	-2	28	38
18497	597075	5482994	10m chip	Talus	Dunite-peridotite.	-0.2	-5	4	-2	6	39
18498	597057	5483067	10m chip	Talus	Dunite-peridotite.	-0.2	-5	18	-2	4	31
18499	597048	5483108	10m chip	Talus	Dunite-peridotite.	-0.2	-5	-1	-2	4	29
18500	597035	5483153	10m chip	Talus	Dunite-peridotite.	-0.2	-5	2	-2	4	30

Sample UTM locations reported in NAD 83

CRESTA Geological Consultants Ltd.

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2001 SURFACE ICP ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
18740	597022	5483188	10m chip	Talus	*Dunite-peridotite.*	-0.2	-5	4	-2	6	30
18741	597013	5483228	10m chip	Talus	*Dunite-peridotite.*	-0.2	5	6	-2	4	32
18742	596998	5483272	10m chip	Talus	*Dunite-peridotite.*	-0.2	-5	-1	-2	6	29
18743	596988	5483314	10m chip	Talus	*Dunite-peridotite.*	-0.2	-5	1	-2	6	41
18744	596969	5483349	10m chip	Talus	*Dunite-peridotite.*	-0.2	-5	-1	-2	4	28
18745	596955	5483388	10m chip	Talus	*Dunite-peridotite.*	-0.2	-5	-1	-2	4	29
18746	591875	5487011	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	9	-2	4	16
18747	591865	5487025	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	6	-2	6	23
18748	591850	5487026	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	6	-2	4	23
18749	591743	5487014	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	8	-2	2	20
18750	591726	5487017	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	15	10	-2	2	22
18800	591382	5486684	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	5	-2	6	23
18801	591432	5486683	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	21	-2	6	19
18802	591443	5486685	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	11	-2	4	18
18803	591455	5486684	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	12	-2	4	18
18804	591463	5486693	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	10	-2	4	19
18805	591287	5486688	10m chip	Bedrock	*Dunite-peridotite, fractured.*	-0.2	-5	7	-2	6	17
18806	591297	5486687	10m chip	Bedrock	*Dunite-peridotite, fractured.*	-0.2	5	9	-2	4	19
18807	591492	5486698	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	31	-2	4	16
18808	591503	5486705	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	7	-2	6	23
18809	591512	5486705	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	27	-2	8	31
18810	591623	5486665	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	60	2	-2	6	20
18811	591634	5486665	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	5	-2	6	21
18812	591643	5486666	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	5	-2	8	21
18813	591750	5486660	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	3	-2	6	31
18814	591760	5486660	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	2	-2	6	22
18815	591770	5486660	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	2	-2	8	22
18816	591780	5486667	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	2	-2	4	24
18817	591787	5486662	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	4	-2	8	26
18818	591825	5486660	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	11	-2	6	24
18819	591834	5486655	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	10	-2	6	21
18820	591846	5486660	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	10	-2	8	21
18821	591223	5486502	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	5	-2	6	17
18822	591231	5486508	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	7	-2	4	27
18823	591239	5486514	10m chip	Bedrock	*Dunite-peridotite with green bladed serpentinite*	-0.2	-5	7	-2	4	27
18824	591245	5486522	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	9	-2	8	28
18825	591256	5486523	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	7	-2	6	25
18826	591262	5486532	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	6	-2	8	22
18827	591287	5486539	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	45	13	-2	8	19
18828	591296	5486543	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	5	10	-2	6	27
18829	591884	5486602	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	7	-2	6	19
18830	591874	5486602	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	8	-2	6	19
18831	591828	5486565	10m chip	Bedrock	*Dunite-peridotite, listwanite*	-0.2	-5	7	-2	6	18
18832	591813	5486568	10m chip	Bedrock	*Dunite-peridotite.*	-0.2	-5	2	-2	6	10
15007	595360	5483765	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	8	7	2	11	26
15008	595341	5483784	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	7	5	< 1	5	22
15009	595397	5483840	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	5	1	< 1	6	27
15010	595377	5483843	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	10	8	2	4	22
15011	595149	5483945	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	14	3	< 1	4	17
15012	595124	5483973	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	< .3	6	2	< 1	< 3	17
18901			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.4	9	4	1	19	30
18902			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.3	6	6	< 1	9	16
18903			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.4	9	2	1	12	21
18904			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	< .3	9	3	1	6	22

Sample UTM locations reported in NAD 83

CRESTA Geological Consultants Ltd.

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2001 SURFACE ICP ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
18905			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.3	11	6	< 1	7	30
18906			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.3	3	5	< 1	8	4
18907			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	< .3	8	2	1	9	30
18908			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	0.3	9	2	1	12	13
723801	595855	5483547	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	10	6	-2	8	44
723802	595406	5483858	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	5	6	-2	10	32
723803	595018	5483864	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	-1	-2	8	23
723805	595353	5483764	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	0.4	70	22	-2	6	49
723807	595725	5483381	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	10	1	-2	4	30
723808	595553	5484095	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	-1	-2	6	24
723809	595441	5484121	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	5	-2	8	62
723810	595247	5484242	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	5	14	-2	8	49
723811	595300	5484096	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	3	-2	8	33
723812	595227	5483974	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	39	-2	8	44
723813	597017	5483465	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	-5	1	-2	8	24
723814	597068	5483299	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	-5	2	-2	8	30
723817	595553	5484054	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	3	-2	10	62
723818	595457	5484234	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	2	-2	8	55
723819	595308	5484249	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	70	9	-2	4	43
723820	595128	5484281	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	5	-2	6	32
723821	595038	5484325	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	5	-2	6	31
723822	595136	5484145	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	5	9	-2	8	47
723824	597085	5483189	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	-5	-1	-2	6	30
723826	595030	5483849	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	5	-1	-2	10	24
723827	595084	5483797	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	70	-1	-2	10	31
723829	595046	5483720	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	10	-1	-2	6	25
723830	595029	5483784	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	10	-1	-2	6	23
723831	595190	5483873	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	1	-2	10	38
723832	595249	5483853	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	19	-2	8	47
723834	595362	5483857	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	-5	1	-2	8	36
723835	595694	5483365	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	85	52	-2	8	57
723836	595797	5483338	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	-0.2	50	37	-2	8	54
723837	596902	5483351	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	-5	2	-2	8	33
723840	597301	5482981	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	-5	12	-2	10	29
723841	597423	5482802	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daioff Area*	-0.2	5	-1	-2	6	19
723842	591563	5486422	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	-0.2	80	6	-2	-2	12
723843	591719	5486549	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	-0.2	5	5	-2	-2	10
723844	591856	5486670	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	-0.2	-5	-1	-2	-2	16
723846	591544	5486693	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	-0.2	-5	18	-2	-2	14
723847	591306	5486687	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	-0.2	-5	2	-2	-2	15
COG-JAC-2001-01	597397	5484130	Grab	Bedrock	Chapman sample: Cogburn Assemblage metasediment	0.9	2	350	27	5	98
COG-JAC-2001-02	597234	5484030	Grab	Bedrock	Chapman sample: Cogburn Assemblage metasediment	0.3	2	139	3	3	10
COG-JAC-2001-03	596587	5482874	Grab	Bedrock	Chapman sample: metagabbro	1.6	1400	500	5	6	2389

Sample UTM locations reported in NAD 83

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2001 SURFACE WHOLE ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	SiO2(%)	Al2O3(%)	Fe2O3(%)	CaO(%)	MgO(%)	Na2O(%)	K2O(%)	TiO2(%)	MnO(%)	P2O5(%)	B(ppm)	S(%)
17157	594702	5485334	Grab	Bedrock	*Medium grey, fine to medium grained, moderately magnetic, non-calcareous, weakly chloritic siliceous rock.*	33.50	0.58	1.53	1.30	42.00	0.01	0.05	0.01	0.11	0.01	<1	<0.01
17158	608177	5480149	Grab	Bedrock	*Dark olive green, medium to coarse grained chloritic pyroxenite. Rock is weakly magnetic.*												
17159	608174	5480152	Grab	Bedrock	*Fine grained, equigranular diorite. Rock is weakly magnetic. 1% disseminated pyrrhotite throughout sample.*												
17160	608741	5480610	Grab	Bedrock	*Weakly chloritic, medium to coarse grained pyroxenite with trace disseminated pyrite.*												
17163	598954	5486497	Grab	Subcrop	*Dark green fine grained pyroxenite. Moderately magnetic with 1mm to 3mm wide serpentinite veinlets. Trace disseminated pyrite.*												
17164	598210	5486636	Grab	Subcrop	*Fine grained, dark green, weakly chloritic pyroxenite. Weakly serpentinized along fractures. Strongly magnetic.*												
17165	598262	5486699	Grab	Subcrop	*Brecciated pyroxenite with chlorite, calcite serpentinite infilling matrix, Abundant manganese on fracture surfaces.*												
17166	608977	5480811	Grab	Bedrock	*Dark green to black, fine to medium grained pyroxenite. Rock is weakly chloritic.*												
17167	609617	5490764	Grab	Bedrock	*Fine to medium grained garnet schist.*												
17168	610122	5484507	Grab	Bedrock	*Fine grained, dark green metagabbro. Minor quartz veins to 10cm wide.*												
17169	610558	5484676	Grab	Bedrock	*Foliated metagabbro, weakly chloritic with trace quartz sweats.*												
17170	611089	5485077	Grab	Bedrock	*Light to medium grey, fine grained garnet schist. 5% to 15% garnet phenocrysts.*												
17171	608440	5480412	Grab	Bedrock	*Dark green, medium grained metagabbro. Trace disseminated very fine grained sulphide.*												
17172	598441	5489387	Grab	Bedrock	*Very fine grained quartzite.*												
17173	598665	5469108	Grab	Bedrock/subcrop	*Intensely siliceous, very fine grained hornfels with 1% to 3% stringers and disseminated pyrrhotite, pyrite and trace chalcopyrite.*												
17174	601831	5473442	Grab	Bedrock	*Fine grained, thinly laminated , dark grey garnet schist with 10% garnets.*												
17175	601766	5472769	Grab	Bedrock	*Garnet Schist. Black to dark green, with 10% euhedral garnet phenocrysts.*												
17176	593992	5489751	Grab	Bedrock	*Medium to coarse grained metagabbro with coarse hornblende phenocrysts, biotite, feldspar and trace disseminated pyrite. Rock is non-magnetic.*												
17177	593860	5489778	Grab	Bedrock	*Fine grained hornblende metagabbro-diorite, trace limonite along fractures.*												
17178	593972	5489883	Grab	Bedrock	*Pyroxenite? with trace pentlandite through sample.*												
17179	592845	5490198	Grab	Bedrock	*Pyroxenite? , very fine grained, black to dark green, weakly magnetic with 5%stringers and disseminated sulphides.*												
17180	592960	5490205	Grab	Bedrock	*Dark green, very fine grained, weakly magnetic pyroxenite/microgabbro.*												
17181	590163	5489880	Grab	Subcrop	*Fine to medium grained, dark green with minor gypsum veinlets, moderately chloritic pyroxenite.*												
17183	596613	5482981	Grab	Bedrock	*Fine grained, dark green, weakly magnetic pyroxenite with quartz-calcite veinlets. Iron stain on fractures.*												
17184	596535	5483059	Grab	Float	*Pyroxenite with 15% disseminated sulphides throughout sample. Rock is weakly chloritic, moderately siliceous and weakly magnetic.*												
17186	594263	5485549	Grab	Bedrock/subcrop	*Fine to medium grained pyroxenite with 2cm wide weathered rind.*	36.00	0.79	7.40	0.68	44.97	0.02	0.01	0.02	0.14	0.01	7	<0.01
17188	594142	5485190	Grab	Bedrock	*Dark green, fine grained pyroxenite, talc rich, chloritic, weakly magnetic minor quartz veinlets with trace fine grained sulphides in veinlets.*												
17189	591558	5487381	Grab	Bedrock	*Medium to dark green, fine grained, weakly chloritic serpentinite, moderately magnetic. Talc along fractures.*	38.09	0.91	7.92	0.12	41.41	0.01	0.01	0.01	0.08	0.01	35	0.03
17190	591628	5487005	Grab	Bedrock	*Quartz-carbonate vein in pyroxenite with strong limonite-goethite. Locally developed stockworks.*												
17191	591315	5486678	Grab	Bedrock	*Massive, fine grained dunite, serpentinite along fractures.*	37.23	0.71	7.91	0.95	44.59	0.01	0.01	0.02	0.13	0.01	14	<0.01
17192	591523	5486705	Grab	Bedrock	*Dark green, fine grained splintery dunite-serpentinite.*	36.76	1.22	7.88	0.08	45.12	0.01	0.01	0.01	0.10	0.01	19	<0.01
17193	591881	5486586	Grab	Bedrock	*Dark green, massive, fine grained dunite. Weakly to moderately magnetic rock.*	37.30	0.55	8.71	0.33	43.95	0.01	0.01	0.01	0.12	0.01	11	<0.01
17194	592681	5486734	Grab	Bedrock	*Dark grey, fine grained dunite.*	37.55	0.64	8.31	0.40	46.28	0.01	0.01	0.01	0.12	0.01	14	<0.01
17195	591267	5486666	0.5m chip	Bedrock	*Weakly iron-calcite altered, massive black serpentinite.*	37.62	0.72	7.75	1.54	42.23	0.01	0.06	0.01	0.11	0.01	20	0.02
17196	591180	5486650	0.2m chip	Bedrock	*Chlorite-amphibole schist with <1% pyrite stringers and disseminated throughout sample.*												
17197	592897	5485123	Grab	Bedrock	*Variably serpentitized dunite with 1% to 3% disseminated magnetite-chromite.*	39.14	0.75	6.63	1.84	45.33	0.06	0.07	0.04	0.16	0.01	17	0.01
17198	592826	5485089	Grab	Bedrock	*Pyroxenite-serpentinite with 10% to 20% black pyroxene phenocrysts. Trace disseminated pyrite-pyrrhotite throughout sample.*	39.02	0.91	8.81	0.93	43.80	0.01	0.06	0.03	0.13	0.02	19	0.01
17199	592540	5484762	Grab	Bedrock	*Black serpentinite with trace disseminated pyrite throughout.*	38.78	0.65	6.26	1.26	44.27	0.02	0.07	0.02	0.13	0.01	14	0.01
17200	592081	5484528	Grab	Bedrock	*Buff quartz with abundant iron-manganese stain along vein fractures.*												
17201	592006	5484767	Grab	Bedrock	*Greenish-grey dunite.*	37.22	0.52	7.72	0.16	45.13	0.01	0.04	0.03	0.13	0.01	15	0.02
17202	591023	5485723	Grab	Bedrock	*Grey to brown weathering black serpentinite with up to 1% disseminated magnetite.*	36.66	0.62	8.27	0.34	41.48	0.01	0.04	0.02	0.12	0.01	16	0.03

Sample UTM locations reported in NAD 83

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2001 SURFACE WHOLE ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	SiO2(%)	Al2O3(%)	Fe2O3(%)	CaO(%)	MgO(%)	Na2O(%)	K2O(%)	TiO2(%)	MnO(%)	P2O5(%)	B(ppm)	S(%)
17203	591021	5485670	Grab	Bedrock	*Pyroxenite-peridotite, black on fresh surface with 20% to 30% fine grained pyrite and <1% disseminated magnetite.*	36.59	0.39	8.16	0.11	44.25	0.01	0.02	0.02	0.13	0.01	19	0.04
17204	591008	5485458	Grab	Bedrock	*Green-grey, foliated chlorite-actinolite schist with 1% fine grained disseminated pyrite-chalcopyrite.*												
17205	591212	5485397	Grab	Bedrock	*Black, serpentinite-dunite with 5% to 10% pyroxene. Magnetite to 2% and trace disseminated pyrite.*	37.82	1.48	7.73	0.38	42.21	0.01	0.03	0.06	0.14	0.01	12	0.01
17206	591324	5485200	Grab	Bedrock	*Chlorite-actinolite schist with 3% to 5% fine grained, disseminated sulphides throughout sample.*												
17207	591323	5485200	Grab	Bedrock	*Gabbro? With pyroxene-plagioclase mix. Pyroxene is chlorite altered.*												
17208	593153	5486324	Grab	Bedrock	*Dark green to black serpentinite with 2% disseminated magnetite.*	36.79	1.57	8.49	0.19	40.41	0.01	0.02	0.03	0.13	0.01	20	0.01
17209	593168	5486267	Grab	Bedrock	*Dark green to black serpentinite-peridotite.*	36.92	0.48	8.60	0.64	44.52	0.02	0.03	0.01	0.13	0.01	13	0.01
17210	593615	5485860	Grab	Bedrock	*Mauve-black medium grained serpentinite.*	37.66	0.58	8.45	0.88	44.55	0.01	0.04	0.01	0.13	0.01	13	0.01
17211	593523	5485671	Grab	Bedrock	*Dark green to black, medium grained serpentinite with 3% to 5% disseminated magnetite.*	36.97	1.07	8.56	0.38	43.85	0.01	0.03	0.01	0.13	0.01	6	0.02
17212	597646	5482464	Grab	Bedrock	*Light green altered dunite with 1% to 2% disseminated magnetite-chromite.*	38.06	0.60	8.32	0.49	44.43	0.01	0.01	0.02	0.12	0.01	2	0.01
17213	597544	5482425	Grab	Bedrock	*Waxy green serpentinite with 1% to 2% clusters of chromite and trace magnetite.*	36.63	0.08	9.00	0.08	49.43	0.01	0.04	0.01	0.13	0.02	7	0.01
17214	597807	5482951	Grab	Bedrock	*Waxy dark green peridotite with up to 4% disseminated magnetite-chromite.*	32.11	0.71	7.86	0.30	38.84	0.01	0.01	0.01	0.12	0.01	11	0.09
17215	597801	5483075	Grab	Bedrock	*Mylonitized serpentinite, dark green to black strongly foliated. 5% very fine grained disseminated magnetite-chromite.*	35.27	1.16	8.08	1.21	39.67	0.01	0.02	0.02	0.07	0.04	7	0.07
17216	597890	5483005	Grab	Bedrock	*Black phyllite with 1% to 2% disseminated pyrite along foliation, trace sphalerite.*												
17217	597890	5483005	Grab	Bedrock	*Siliceous, grey to black, pyritiferous phyllite with 2% very fine grained pyrite and trace sphalerite.*												
17218	592130	5487803	Grab	Bedrock	*Siliceous white to maroon quartz rich rhyolite? With 10% pyrrhotite in stringers parallel to foliation.*												
17219	592130	5487803	Grab	Bedrock	*0.5m thick gossan in biotite schist with 10% pyrrhotite in stringers cross-cutting foliation.*												
17220	597286	5484193	Grab	Float	*0.5% pyrite-chalcopyrite in quartz veins, trace disseminated pyrite in diorite.*												
17221	596907	5483458	Grab	Bedrock	*Foliated medium to coarse grained grey serpentinite-peridotite with trace to 1% fine grained pyrrhotite-pentlandite.*	37.05	0.53	9.52	0.15	48.98	0.01	0.02	0.01	0.13	0.01	21	0.02
17222	596389	5483186	Grab	Bedrock	*Serpentinite partially talc altered with 1% to 2% stringers and disseminated pyrrhotite-pentlandite.*	38.88	1.61	8.88	1.85	42.76	0.04	0.02	0.02	0.24	0.02	46	1.24
17223	596581	5482913	Grab	Bedrock	*Quartz vein with 2% to 3% disseminated and stringers of pyrrhotite, pyrite and chalcopyrite.*												
17224	596725	5482429	Grab	Bedrock	*Banded sulphide rich quartz vein, 20cm to 30cm wide. Disseminated and stringers of pyrite, arsenopyrite, chalcopyrite.*												
17225	596693	5482553	Grab	Bedrock	*2cm to 4cm wide quartz vein with 5% to 8% stibnite, galena, pyrite and chalcopyrite.*												
17226	596107	5482792	Grab	Bedrock	*Quartz vein with clots of arsenopyrite, pyrite, chalcopyrite and trace bornite.*												
17227	596041	5482844	Grab	Bedrock	*Quartz vein with semi massive pyrrhotite, galena and chalcopyrite.*												
17228	595540	5483406	Grab	Bedrock	*Fine grained grey serpentinite with 2% fine grained sulphides.*	38.17	0.64	9.86	0.22	43.44	0.07	0.04	0.02	0.16	0.01	29	2.31
17229	595358	5483730	Grab	Bedrock	*Fine grained black serpentinite-dunite with trace pyrrhotite along fractures.*	35.78	0.41	9.38	0.13	50.12	0.01	0.04	0.02	0.14	0.01	21	0.25
17230	595397	5483828	Grab	Bedrock	*Mauve-grey weakly serpentinized dunite with 1% to 2% disseminated magnetite.*	34.97	0.27	9.03	0.19	52.13	0.01	0.02	0.01	0.14	0.01	24	0.04
17231	595316	5482817	Grab	Subcrop	*Dunite, dark grey, fine to medium grained with finely disseminated magnetite throughout.*	35.28	0.79	8.74	0.55	42.97	0.01	0.03	0.02	0.13	0.02	41	0.01
17232	594948	5483511	Grab	Bedrock	*Greyish-black, fine to medium grained dunite with disseminated magnetite throughout.*	34.97	0.64	9.36	0.21	43.61	0.01	0.03	0.02	0.14	0.02	41	0.03
17233	594821	5483914	Grab	Bedrock	*Medium grained greenish-grey serpentinite.*	34.60	0.68	7.39	0.24	45.47	0.01	0.02	0.02	0.10	0.01	43	0.01
17234	594695	5484335	Grab	Bedrock	*Dark grey, fine grained dunite, moderately magnetic.*	36.50	0.95	9.77	2.33	43.66	0.05	0.02	0.05	0.14	0.02	27	0.01
17235	591250	5486503	Grab	Bedrock	*Black serpentinite, bladed green serpentinite with disseminated magnetite throughout sample.*	35.54	0.66	7.86	0.52	44.93	0.01	0.01	0.02	0.13	0.01	90	0.03
17236	591802	5486560	Grab	Bedrock	*Maroon, fine to medium grained listwanite, weakly magnetic.*	24.85	0.49	7.81	0.62	35.69	0.02	0.02	0.01	0.11	0.01	19	0.09
17237	591395	5486099	Grab	Bedrock	*Black, medium grained serpentinite with disseminated magnetite throughout.*	37.89	1.21	8.07	1.68	41.28	0.03	0.02	0.02	0.11	0.02	17	0.02
17238	592516	5485887	Grab	Bedrock	*Black serpentinite, bladed green serpentinite with disseminated magnetite throughout sample.*	42.06	1.26	6.71	5.82	36.75	0.48	0.02	0.04	0.10	0.01	19	0.01
17239	591685	5486998	Grab	Bedrock	*Black-grey dunite, medium grained with finely disseminated magnetite throughout sample, Strongly magnetic.*	37.00	0.49	9.12	2.96	43.18	0.01	0.02	0.01	0.21	0.02	39	0.01
17240	592620	5486637	Grab	Bedrock	*Medium grained, dark grey dunite with aggregates of magnetite throughout sample.*	37.87	0.45	8.96	0.56	44.81	0.01	0.01	0.01	0.14	0.01	13	0.01
17241	598278	5486545	Grab	Bedrock	*Black, medium grained serpentinite with coarse bladed green serpentinite along fractures. Finely disseminated magnetite throughout.*												
17242	598192	5486507	Grab	Bedrock	*Black, medium to coarse grained serpentinite with fine and coarse grained magnetite throughout.*												
17243	598326	5486226	Grab	Bedrock	*Black-green, medium grained serpentinite with green serpentinite along fractures. Finely disseminated magnetite throughout.*												

Sample UTM locations reported in NAD 83

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2001 SURFACE WHOLE ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	SiO2(%)	Al2O3(%)	Fe2O3(%)	CaO(%)	MgO(%)	Na2O(%)	K2O(%)	TiO2(%)	MnO(%)	P2O5(%)	B(ppm)	S(%)
17244	598112	5486355	Grab	Bedrock	*Black, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout.*												
17245	593075	5484164	Grab	Bedrock	*Black, fine to medium grained dunite with finely disseminated magnetite throughout.*	35.25	0.32	8.09	0.31	43.65	0.01	0.08	0.01	0.12	0.01	37	0.04
17246	593311	5484396	Grab	Bedrock	*Black, fine to medium grained dunite with finely disseminated magnetite throughout.*	37.04	0.35	9.06	0.01	44.28	0.01	0.01	0.01	0.12	0.01	14	0.02
17247	593653	5484724	Grab	Bedrock	*Greyish-black to green, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout. Rock is moderately magnetic.*	36.92	0.59	8.28	0.23	47.12	0.01	0.01	0.02	0.13	0.01	19	0.01
17248	594190	5484857	Grab	Bedrock	*Black, medium grained serpentinite with coarse bladed serpentinite along fractures. Finely disseminated magnetite throughout. Trace pyrite with fractures.*	37.64	1.11	10.46	0.19	44.76	0.03	0.01	0.03	0.19	0.01	21	0.01
17249	594255	5485455	Grab	Bedrock	*Black, medium grained serpentinite with coarse bladed serpentinite along fractures.*	37.56	0.55	7.77	0.61	44.48	0.02	0.01	0.01	0.12	0.01	22	0.02
17250	594622	5485472	Grab	Bedrock	*Black, fine to medium grained dunite.*	38.27	1.06	7.39	0.97	42.20	0.01	0.01	0.01	0.11	0.01	29	0.01
17251	594888	5487821	Grab	Bedrock	*Fine grained black serpentinite-dunite with disseminated magnetite.*												
17252	594864	5487804	Grab	Bedrock	*Fine grained, black serpentinite-dunite.*												
17253	593633	5489530	Grab	Bedrock	*Quartz vein with clots of arsenopyrite and chalcopyrite to 5%.*												
17254	593449	5489298	Grab	Bedrock	*Fine grained, black serpentinite-dunite.*												
17462	597175	5484277	Grab	Float	*Grey, medium grained porphyritic tonalite with trace disseminated and stringers of molybdenite-chalcopyrite-pyrite.*												
18496	597086	5482967	10m chip	Talus	*Dunite-peridotite.*	36.49	0.6	9.58	0.52	47.82	0.14	0.21	0.01	0.14	0.02	4	<0.01
18497	597075	5482994	10m chip	Talus	*Dunite-peridotite.*	36.06	0.73	9.10	0.70	47.24	0.16	0.23	0.01	0.13	0.02	3	0.01
18498	597057	5483067	10m chip	Talus	*Dunite-peridotite.*	36.1	0.74	9.26	1.01	46.65	0.19	0.26	0.01	0.13	0.02	2	<0.01
18499	597048	5483108	10m chip	Talus	*Dunite-peridotite.*	41.64	0.79	8.63	0.91	44.60	0.2	0.28	0.01	0.13	0.01	2	<0.01
18500	597035	5483153	10m chip	Talus	*Dunite-peridotite.*	41.19	0.87	8.93	0.79	44.67	0.21	0.29	0.02	0.13	0.02	3	<0.01
18740	597022	5483188	10m chip	Talus	*Dunite-peridotite.*	41.11	0.96	8.57	1.21	44.64	0.22	0.29	0.01	0.12	0.02	2	<0.01
18741	597013	5483228	10m chip	Talus	*Dunite-peridotite.*	38.3	0.75	9.56	0.91	47.02	0.22	0.28	0.01	0.14	0.02	2	0.02
18742	596998	5483272	10m chip	Talus	*Dunite-peridotite.*	43.52	0.61	8.60	0.66	44.52	0.21	0.28	0.01	0.12	0.02	1	<0.01
18743	596988	5483314	10m chip	Talus	*Dunite-peridotite.*	37.26	0.78	10.15	0.78	48.12	0.23	0.3	0.02	0.15	0.03	2	<0.01
18744	596969	5483349	10m chip	Talus	*Dunite-peridotite.*	39.22	0.81	9.24	1.13	46.77	0.21	0.29	0.02	0.13	0.02	1	<0.01
18745	596955	5483388	10m chip	Talus	*Dunite-peridotite.*	40.34	0.78	9.04	0.83	46.46	0.19	0.28	0.01	0.13	0.02	1	<0.01
18746	591875	5487011	10m chip	Bedrock	*Dunite-peridotite.*	37.34	1.1	8.44	0.25	40.80	0.19	0.29	0.02	0.1	0.03	32	<0.01
18747	591865	5487025	10m chip	Bedrock	*Dunite-peridotite.*	40.75	1.16	8.04	0.83	38.90	0.18	0.28	0.01	0.12	0.02	29	<0.01
18748	591850	5487026	10m chip	Bedrock	*Dunite-peridotite.*	38.08	1.23	8.17	0.80	40.46	0.18	0.3	0.01	0.1	0.02	30	<0.01
18749	591743	5487014	10m chip	Bedrock	*Dunite-peridotite.*	38.33	1.3	7.92	0.41	40.30	0.18	0.31	0.02	0.1	0.02	19	<0.01
18750	591726	5487017	10m chip	Bedrock	*Dunite-peridotite.*	37.7	1.35	8.16	0.42	40.91	0.17	0.33	0.02	0.1	0.02	17	<0.01
18800	591382	5486684	10m chip	Bedrock	*Dunite-peridotite.*	40.07	0.64	8.29	0.57	42.63	0.18	0.33	0.01	0.12	0.02	12	<0.01
18801	591432	5486683	10m chip	Bedrock	*Dunite-peridotite.*	40.39	1.02	8.02	0.66	40.86	0.17	0.32	0.01	0.1	0.01	13	<0.01
18802	591443	5486685	10m chip	Bedrock	*Dunite-peridotite.*	39.77	1.41	7.98	0.71	39.77	0.17	0.32	0.04	0.1	0.02	11	<0.01
18803	591455	5486684	10m chip	Bedrock	*Dunite-peridotite.*	35.49	0.98	8.68	0.78	45.19	0.2	0.36	0.02	0.13	0.02	10	<0.01
18804	591463	5486693	10m chip	Bedrock	*Dunite-peridotite.*	38.82	0.77	8.67	0.34	42.77	0.18	0.36	0.02	0.12	0.03	10	<0.01
18805	591287	5486688	10m chip	Bedrock	*Dunite-peridotite, fractured.*	40.49	0.87	7.77	0.28	39.46	0.17	0.36	0.01	0.1	0.02	16	<0.01
18806	591297	5486687	10m chip	Bedrock	*Dunite-peridotite, fractured.*	41.49	1.12	7.99	0.83	38.76	0.17	0.39	0.03	0.1	0.02	13	<0.01
18807	591492	5486698	10m chip	Bedrock	*Dunite-peridotite.*	37.9	1.16	8.43	0.48	42.25	0.18	0.41	0.01	0.11	0.03	7	<0.01
18808	591503	5486705	10m chip	Bedrock	*Dunite-peridotite.*	38.06	0.96	8.70	0.47	41.43	0.01	0.18	0.01	0.12	0.02	10	<0.01
18809	591512	5486705	10m chip	Bedrock	*Dunite-peridotite.*	39.62	1.05	8.50	0.78	40.15	0.02	0.25	0.02	0.13	0.01	11	<0.01
18810	591623	5486665	10m chip	Bedrock	*Dunite-peridotite.*	40	0.84	7.91	0.39	37.91	0.01	0.23	0.01	0.12	0.01	9	<0.01
18811	591634	5486665	10m chip	Bedrock	*Dunite-peridotite.*	37.46	1.14	8.94	0.37	39.80	0.03	0.31	0.02	0.12	0.01	10	<0.01
18812	591643	5486666	10m chip	Bedrock	*Dunite-peridotite.*	38.66	0.73	8.97	0.14	41.02	0.01	0.31	0.01	0.13	0.02	15	<0.01
18813	591750	5486660	10m chip	Bedrock	*Dunite-peridotite.*	39	0.63	8.58	0.28	41.45	-0.01	0.32	0.01	0.13	0.02	10	<0.01
18814	591760	5486660	10m chip	Bedrock	*Dunite-peridotite.*	37.9	0.78	8.45	0.47	41.79	-0.01	0.31	0.01	0.12	0.01	8	<0.01
18815	591770	5486660	10m chip	Bedrock	*Dunite-peridotite.*	35.45	0.71	9.05	0.22	45.28	-0.01	0.36	0.01	0.13	0.01	9	<0.01
18816	591780	5486667	10m chip	Bedrock	*Dunite-peridotite.*	39.28	0.62	8.46	0.30	41.41	-0.01	0.33	0.01	0.12	0.01	12	<0.01
18817	591787	5486662	10m chip	Bedrock	*Dunite-peridotite.*	40.44	0.99	7.90	0.21	38.98	-0.01	0.26	0.02	0.11	0.01	20	<0.01
18818	591825	5486660	10m chip	Bedrock	*Dunite-peridotite.*	36.01	0.84	9.54	0.19	42.71	-0.01	0.34	0.02	0.13	0.02	11	<0.01
18819	591834	5486655	10m chip	Bedrock	*Dunite-peridotite.*	37.63	0.77	9.12	0.08	41.50	-0.01	0.28	0.01	0.13	0.01	12	<0.01
18820	591846	5486660	10m chip	Bedrock	*Dunite-peridotite.*	40.29	0.73	9.01	0.24	38.49	-0.01	0.22	0.01	0.11	0.01	15	<0.01
18821	591223	5486502	10m chip	Bedrock	*Dunite-peridotite.*	39.56	0.93	8.19	0.21	37.88	-0.01	0.22	0.01	0.12	0.01	59	<0.01
18822	591231	5486508	10m chip	Bedrock	*Dunite-peridotite.*	40	0.99	7.96	0.53	39.01	-0.01	0.21	0.02	0.12	0.01	57	<0.01
18823	591239	5486514	10m chip	Bedrock	*Dunite-peridotite with green bladed serpentinite*	39.39	1	7.70	0.41	40.19	-0.01	0.15	0.02	0.11	0.01	43	<0.01
18824	591245	5486522	10m chip	Bedrock	*Dunite-peridotite.*	39.61	1.56	9.14	1.51	38.09	-0.01	0.15	0.25	0.11	0.03	20	<0.01
18825	591256	5486523	10m chip	Bedrock	*Dunite-peridotite.*	37.55	1.03	8.93	0.56	43.52	-0.01	0.16	0.02	0.13	0.01	22	<0.01
18826	591262	5486532	10m chip	Bedrock	*Dunite-peridotite.*	39.03	1.06	9.15	1.07	39.20	-0.01	0.09	0.02	0.12	0.01	16	<0.01
18827	591287	5486539	10m chip	Bedrock	*Dunite-peridotite.*	32.87	1.09	8.91	0.44	46.17	-0.01	0.16	0.02	0.12	0.02	20	<0.01
18828	591296	5486543	10m chip	Bedrock	*Dunite-peridotite.*	38.99	1.21	8.63	1.38	41.61	-0.01	0.07	0.03	0.13	0.01	17	<0.01
18829	591884	5486602	10m chip	Bedrock	*Dunite-peridotite.*	35.77	0.66	8.70	0.53	42.52	-0.01	0.06	0.01	0.12	0.02	10	<0.01
18830	591874	5486602	10m chip	Bedrock	*Dunite-peridotite.*	35.52	0.7	9.00	0.31	41.62	-0.01	-0.01	0.01	0.13	0.02	11	<0.01
18831	591828	5486585	10m chip	Bedrock	*Dunite-peridotite, listwanite*	33.7	0.63	8.81	0.40	40.63	-0.01	-0.01	0.01	0.12	0.02	38	<0.01
18832	591813	5486568	10m chip	Bedrock	*Dunite-peridotite.*	37.26	0.68	7.91	0.32	38.33	-0.01	-0.01	0.01	0.11	-0.01	31	<0.01
18007	595360	5483765	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	40.44	0.37	9.18	0.3	46.59	0.03	0.02	0.02	0.14	0.07	25	0.04
18008	595341	5483784	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	40.31	0.43	8.85	0.12	46.46	0.01	< .02	0.02	0.13	0.06	15	0.07
18009	595397	5483840	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	40.21	0.13	8.69	0.28	49.56	< .01	< .02	0.01	0.14	0.06	13	0.05

Sample UTM locations reported in NAD 83

CREST Geological Consultants Ltd.

COGBURN PROPERTY

2001 SURFACE WHOLE ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	UTM EAST	UTM NORTH	Type	Material	SAMPLE DESCRIPTION	SiO2(%)	Al2O3(%)	Fe2O3(%)	CaO(%)	MgO(%)	Na2O(%)	K2O(%)	TiO2(%)	MnO(%)	P2O5(%)	B(ppm)	S(%)
15010	595377	5483843	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	40.73	0.46	9	0.3	45.58	< .01	< .02	0.01	0.13	0.05	18	0.13
15011	595149	5483945	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	40.31	0.64	8.49	0.61	42.55	< .01	< .02	0.02	0.12	0.06	11	0.01
15012	595124	5483973	3m chip	Bedrock	*Serpentinized dunite-peridotite, check samples by P. Christopher*	39.93	0.62	8.29	0.43	43.62	0.02	< .02	0.02	0.13	0.05	18	0.01
18901			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	40.1	0.74	8.43	0.28	43.41	0.01	< .02	0.02	0.11	0.08	< 1	0.05
18902			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	40.48	0.69	8.34	0.72	43.07	0.01	< .02	0.02	0.11	0.09	< 1	< .01
18903			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	38.99	0.48	9.15	0.07	47.83	< .01	< .02	0.03	0.13	0.07	< 1	0.05
18904			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	39.23	1.09	8.89	0.19	43.54	< .01	< .02	0.02	0.12	0.06	7	< .01
18905			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	40.7	1.25	9.34	0.25	36.08	0.06	0.02	0.03	0.16	0.05	< 1	0.02
18906			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	41.05	8.78	4.1	9.71	26.78	0.16	0.02	0.38	0.05	0.2	< 1	< .01
18907			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	40.45	0.77	7.67	0.87	47.35	< .01	0.02	0.02	0.13	0.06	4	0.15
18908			Grab	Bedrock/Subcrop	*Sample from Emory Zone area, no specific location given by JAC. See accompanying detailed sample description sheets*	39.22	0.41	8.07	0.04	45.91	< .01	< .02	0.02	0.11	0.07	1	< .01
723801	595855	5483547	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	42.75	0.67	7.58	0.01	45.01	0.01	0.01	0.01	0.12	0.02	29	1.71
723802	595406	5483858	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	42.21	0.44	8.17	0.01	43.94	0.01	0.01	0.01	0.08	0.03	21	4.34
723803	595018	5483884	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	36.68	0.49	8.70	0.01	48.87	0.01	0.01	0.01	0.14	0.01	29	0.02
723805	595353	5483764	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	46.04	0.79	6.15	0.01	39.22	0.01	0.01	0.03	0.14	0.02	32	3.10
723807	595725	5483381	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	48.53	0.78	5.88	0.01	39.46	0.01	0.01	0.03	0.08	0.03	26	2.36
723808	595553	5484095	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	44.85	0.80	8.83	1.16	40.37	0.01	0.01	0.01	0.13	0.01	21	0.02
723809	595441	5484121	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	44.69	0.83	8.10	0.89	37.32	0.01	0.01	0.01	0.13	0.03	28	0.17
723810	595247	5484242	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	44.80	0.85	8.02	0.54	37.28	0.01	0.01	0.01	0.12	0.01	23	0.12
723811	595300	5484096	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	44.49	0.29	9.80	0.09	41.79	0.01	0.01	0.01	0.14	0.01	29	0.04
723812	595227	5483974	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	46.73	0.76	7.01	1.26	35.77	0.01	0.01	0.01	0.11	0.01	25	0.14
723813	597017	5483465	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	49.40	2.03	7.78	0.77	32.20	0.01	0.01	0.01	0.08	0.02	31	0.01
723814	597068	5483299	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	51.89	0.09	8.48	0.06	37.21	0.01	0.01	0.01	0.11	0.01	21	0.02
723817	595553	5484054	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	50.99	0.40	7.93	0.48	38.80	0.01	0.01	0.01	0.14	0.02	19	0.11
723818	595457	5484234	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	54.54	0.63	7.52	1.56	31.34	0.01	0.01	0.01	0.12	0.01	21	0.13
723819	595308	5484249	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	48.24	1.27	6.54	1.38	29.10	0.01	0.01	0.02	0.11	0.01	24	0.16
723820	595128	5484281	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	49.30	0.67	7.11	0.53	35.09	0.01	0.01	0.01	0.10	0.01	19	0.02
723821	595038	5484325	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	49.70	0.35	8.13	0.06	35.21	0.01	0.01	0.01	0.11	0.02	35	0.02
723822	595136	5484145	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	47.14	0.18	8.57	0.01	39.03	0.01	0.01	0.01	0.11	0.02	31	0.40
723824	597085	5483189	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	46.18	0.24	9.49	0.08	40.70	0.01	0.01	0.01	0.13	0.01	25	0.01
723826	595030	5483849	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	38.39	0.68	8.47	0.29	45.05	0.02	0.05	0.01	0.13	0.02	1	0.01
723827	595084	5483797	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	37.95	0.90	8.04	0.18	42.58	0.01	0.08	0.02	0.12	0.02	16	0.01
723829	595046	5483720	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	38.16	0.86	8.35	0.19	43.81	0.01	0.09	0.02	0.12	0.03	20	0.01
723830	595029	5483784	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	37.64	1.00	7.85	0.16	44.01	0.01	0.07	0.02	0.11	0.02	18	0.01
723831	595190	5483873	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	39.26	0.49	8.23	0.49	48.45	0.01	0.07	0.01	0.12	0.02	40	0.01
723832	595249	5483853	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	39.08	2.17	8.50	0.18	44.87	0.01	0.06	0.01	0.14	0.02	48	0.87
723834	595362	5483857	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	39.57	0.74	7.99	0.25	46.32	0.02	0.04	0.02	0.11	0.02	55	0.04
723835	595694	5483365	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	40.03	0.59	9.60	0.06	45.07	0.01	0.03	0.02	0.19	0.02	52	2.54
723836	595797	5483338	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Emory Zone*	39.86	0.68	9.22	0.17	45.26	0.01	0.03	0.02	0.18	0.02	73	1.71
723837	596902	5483351	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	39.86	0.77	9.08	1.07	47.23	0.01	0.01	0.01	0.14	0.01	47	0.01
723840	597301	5482981	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	39.56	1.07	8.51	0.75	43.56	0.01	0.01	0.02	0.13	0.02	36	0.01
723841	597423	5482802	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Daloff Area*	38.77	0.61	8.20	0.44	44.85	0.01	0.01	0.02	0.11	0.02	23	0.01
723842	591563	5486422	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	38.97	0.63	8.07	0.32	39.39	0.01	0.01	0.01	0.11	0.02	19	<0.01
723843	591719	5486549	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	38.45	0.58	8.60	0.23	36.26	0.01	0.01	0.02	0.11	0.02	27	<0.01
723844	591856	5486670	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	40.32	0.66	8.11	0.28	41.90	0.01	0.01	0.01	0.11	0.02	4	<0.01
723846	591544	5486693	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	39.40	1.16	8.02	0.48	39.30	0.01	0.01	0.01	0.10	0.02	5	<0.01
723847	591306	5486687	Random grab over 2m-3m area	Float/Bedrock	*Leader personnel sample: Ultramafic rock, Teuton Area*	40.16	0.95	8.49	0.92	39.57	0.01	0.01	0.02	0.11	0.02	10	<0.01
COG-JAC-2001-01	597397	5484130	Grab	Bedrock	Chapman sample: Cogburn Assemblage metasediment												
COG-JAC-2001-02	597234	5484030	Grab	Bedrock	Chapman sample: Cogburn Assemblage metasediment												
COG-JAC-2001-03	596587	5482874	Grab	Bedrock	Chapman sample: metagabbro												

Sample UTM locations reported in NAD 83

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
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Quality Assaying for over 25 Years

Geochemical Analysis Certificate

1V-0191-RG1

Oct-31-01

Company: **Leader Mining International Inc**
Project:
Attn: Mike Macleod

We *hereby certify* the following geochemical analysis of 23 rock samples submitted May-28-01

Sample Name	B ppm	CAL Mg %	Mg %	Pt ppb	Pd ppb	Rh ppb	Sulfide Ni %	HAL Mg %
723801	29	7.14	27.4	<5	5	5	0.160	23.9
723802	21	7.86	26.5	<5	5	<5	0.146	22.9
723803	29	8.25	28.6	<5	5	<5	0.058	23.2
723805	32	6.77	23.9	15	10	<5	0.139	19.8
723807	26	6.39	24.1	<5	<5	<5	0.145	21.4
723808	21	12.8	24.6	5	10	<5	0.044	23.1
723809	28	8.20	22.8	5	10	<5	0.105	21.9
723810	23	7.36	22.7	5	10	<5	0.081	21.3
723811	29	8.95	25.5	<5	5	<5	0.056	23.7
723812	25	6.38	21.8	<5	5	5	0.093	18.5
723813	31	5.92	19.5	<5	5	<5	0.041	21.0
723814	21	9.38	22.7	<5	5	<5	0.042	21.5
723815	73		1.27	<5	5	<5	0.003	
723816	<1		1.10	<5	<5	10	0.001	
723817	19	10.6	22.4	<5	<5	<5	0.080	22.1
723818	21	10.5	19.3	<5	10	<5	0.075	19.1
723819	24	3.09	17.6	<5	10	<5	0.108	17.0
723820	19	9.52	21.4	<5	10	<5	0.067	21.3
723821	35	9.69	21.5	<5	5	10	0.071	21.2
723822	31	10.5	23.8	<5	<5	<5	0.090	22.0
723823	<1		6.05	<5	5	<5	0.005	
723824	25	9.36	24.8	<5	10	<5	0.029	23.9
723825	28		4.62	<5	10	<5	0.002	
*DUP 723801	25	7.44	27.0	<5	5	<5	0.162	24.3
*DUP 723812	32	6.43	21.7	<5	5	<5	0.094	20.6
*DUP 723822	30	10.7	30.1	<5	5	<5	0.089	22.1
*PTC-1				2750	11400	726		
*Blank				<5	<5	<5		

HAL: Hot acid (HCl) leach. CAL:Cold acid (HCl) leach. See attached procedure
Boron contamination from glassware in HAL

Certified by _____

ASSAYERS CANADA

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Quality Assaying for over 25 Years

Geochemical Analysis Certificate

1V-0191-RG1

Oct-31-01

Company: **Leader Mining International Inc**
Project:
Attn: Mike Macleod

We *hereby certify* the following geochemical analysis of 23 rock samples submitted May-28-01

Sample Name	HAL B ppm	HAL Cr %	HAL Fe %	HAL Ni %
723801	116	0.047	4.03	0.178
723802	47	0.041	1.61	0.138
723803	144	0.115	4.61	0.197
723805	79	0.073	2.61	0.133
723807	64	0.065	2.15	0.149
723808	153	0.104	5.13	0.187
723809	149	0.120	5.02	0.163
723810	145	0.131	4.88	0.156
723811	162	0.065	5.72	0.198
723812	128	0.150	4.84	0.151
723813	159	0.192	5.40	0.174
723814	165	0.046	5.88	0.219
723815				
723816				
723817	157	0.116	5.48	0.207
723818	150	0.088	5.25	0.171
723819	139	0.157	4.56	0.159
723820	134	0.135	4.71	0.176
723821	168	0.115	5.68	0.195
723822	161	0.050	5.58	0.231
723823				
723824	169	0.228	5.94	0.211
723825				
*DUP 723801	120	0.049	4.17	0.182
*DUP 723812	137	0.176	4.82	0.164
*DUP 723822	162	0.050	5.57	0.232
*PTC-1				
*Blank				

HAL: Hot acid (HCl) leach. CAL:Cold acid (HCl) leach. See attached procedure
Boron contamination from glassware in HAL

Certified by _____

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Quality Assaying for over 20 Years

Geochemical Analysis Certificate

1V-0191-RG2

Company: **Leader Mining International Inc**
Project:
Attn: Mike Macleod

Oct-31-01

We *hereby certify* the following geochemical analysis of 23 rock samples submitted May-28-01

Sample Name	S-total %	S-total %
723801	1.71	1.69
723802	4.34	
723803	0.02	
723805	3.10	
723807	2.36	
723808	0.02	
723809	0.17	
723810	0.12	
723811	0.04	
723812	0.14	0.14
723813	<0.01	
723814	0.02	
723815	0.49	
723816	1.79	
723817	0.11	
723818	0.13	
723819	0.16	
723820	0.02	
723821	0.02	
723822	0.40	0.40
723823	1.93	
723824	<0.01	
723825	0.95	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*Blank	<0.01	

HAL: Hot acid (HCl) leach. CAL:Cold acid (HCl) leach. See attached procedure
Boron contamination from glassware in HAL

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike Macleod
Project:
Sample: rock

Report No : 1V0191 RJ
Date : Oct-31-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
723801	<0.2	0.11	10	20	<0.5	<5	0.01	<1	53	407	6	4.77	0.01	>15.00	750	<2	0.02	2015	60	8	5	5	<10	<1	<0.01	6	<10	<1	44	3
723802	<0.2	0.08	5	30	<0.5	<5	0.01	<1	94	334	6	5.37	<0.01	>15.00	510	<2	0.02	2083	70	10	5	4	<10	<1	<0.01	6	<10	<1	32	4
723803	<0.2	0.17	<5	20	<0.5	<5	0.05	<1	80	1105	<1	4.69	<0.01	>15.00	765	<2	0.01	1884	50	8	15	3	<10	<1	<0.01	10	<10	<1	23	3
723805	0.4	0.16	70	10	<0.5	<5	0.02	<1	68	568	22	4.58	0.01	>15.00	825	<2	0.02	1468	60	6	5	8	<10	<1	0.01	12	<10	<1	49	4
723807	<0.2	0.15	10	20	<0.5	<5	<0.01	<1	58	603	1	3.78	<0.01	>15.00	515	<2	0.01	1700	70	4	5	2	<10	<1	<0.01	8	<10	<1	30	3
723808	<0.2	0.24	<5	20	<0.5	<5	0.25	<1	77	794	<1	5.14	0.01	>15.00	785	<2	0.01	1792	60	6	10	5	<10	<1	<0.01	18	<10	<1	24	3
723809	<0.2	0.19	<5	40	<0.5	<5	0.37	<1	67	664	5	4.69	<0.01	>15.00	825	<2	0.01	1483	60	8	10	4	<10	<1	<0.01	16	<10	<1	62	3
723810	<0.2	0.26	5	30	<0.5	<5	0.16	<1	67	1008	14	4.71	<0.01	>15.00	740	<2	0.01	1473	50	8	15	3	<10	<1	<0.01	19	<10	<1	49	3
723811	<0.2	0.08	<5	20	<0.5	<5	0.08	<1	85	376	3	5.48	<0.01	>15.00	885	<2	0.01	1821	60	8	5	3	<10	<1	<0.01	9	<10	<1	33	4
723812	<0.2	0.27	<5	30	<0.5	<5	0.17	<1	65	1183	39	4.61	<0.01	>15.00	775	<2	0.01	1516	60	8	15	4	<10	<1	<0.01	23	<10	<1	44	3
723813	<0.2	0.53	<5	20	<0.5	<5	0.03	<1	58	1177	1	5.05	<0.01	>15.00	530	<2	0.01	1471	70	8	15	5	<10	<1	<0.01	27	<10	<1	24	3
723814	<0.2	0.05	<5	20	<0.5	<5	0.04	<1	87	183	2	5.62	<0.01	>15.00	825	<2	0.01	1980	60	8	5	3	<10	<1	<0.01	5	<10	<1	30	4
723815	<0.2	1.86	<5	350	0.5	<5	0.08	<1	12	107	68	2.89	1.02	1.29	365	18	0.04	40	480	2	<5	11	<10	<1	0.24	167	<10	3	108	2
723816	<0.2	1.06	<5	100	0.5	<5	0.82	<1	16	46	139	3.61	0.13	0.42	210	2	0.16	17	1240	4	<5	4	<10	37	0.25	58	<10	8	28	6
723817	<0.2	0.13	<5	20	<0.5	<5	0.06	<1	86	741	3	5.27	0.01	>15.00	1050	<2	0.01	1918	80	10	10	3	<10	<1	<0.01	12	<10	<1	62	3
723818	<0.2	0.13	<5	30	<0.5	<5	0.18	<1	66	411	2	4.84	<0.01	>15.00	860	<2	0.01	1505	50	8	5	3	<10	<1	<0.01	12	<10	<1	55	3
723819	<0.2	0.40	70	20	<0.5	<5	0.55	<1	62	1225	9	3.93	<0.01	12.78	770	<2	0.01	1326	50	4	15	4	<10	<1	<0.01	22	<10	<1	43	3
723820	<0.2	0.21	<5	20	<0.5	<5	0.10	<1	68	899	5	4.44	<0.01	>15.00	690	<2	0.01	1536	50	6	10	4	<10	<1	<0.01	14	<10	<1	32	3
723821	<0.2	0.13	<5	20	<0.5	<5	0.10	<1	73	556	5	5.08	<0.01	>15.00	760	<2	0.01	1606	60	6	5	3	<10	<1	<0.01	10	<10	<1	31	3
723822	<0.2	0.06	5	30	<0.5	<5	0.01	<1	74	279	9	4.94	<0.01	>15.00	655	<2	0.01	1922	50	8	5	2	<10	<1	<0.01	6	<10	<1	47	3
723823	<0.2	3.43	<5	40	<0.5	<5	2.57	<1	34	54	118	3.97	0.06	1.00	195	<2	0.26	56	780	4	<5	6	<10	60	0.10	64	<10	3	41	4
723824	<0.2	0.07	<5	10	<0.5	<5	0.01	<1	81	683	<1	5.10	<0.01	>15.00	770	<2	0.01	1824	50	6	10	3	<10	<1	<0.01	10	<10	<1	30	3
723825	<0.2	5.23	<5	60	<0.5	<5	3.98	<1	34	19	172	6.10	0.07	1.99	630	<2	0.31	20	40	4	5	12	<10	167	0.14	270	<10	<1	47	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike Macleod
Project:
Sample: rock

Report No : 1V0191 RL
Date : Oct-31-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
723801	42.75	0.67	7.58	<0.01	45.01	<0.01	<0.01	0.01	0.12	0.02	10	<10	<10	<5	5	2.95	99.12
723802	42.21	0.44	8.17	<0.01	43.94	<0.01	<0.01	0.01	0.08	0.03	20	<10	<10	<5	5	4.35	99.24
723803	36.68	0.49	8.70	0.01	46.87	<0.01	<0.01	0.01	0.14	0.01	10	<10	<10	<5	5	6.00	98.91
723805	46.04	0.79	8.15	<0.01	39.22	<0.01	<0.01	0.03	0.14	0.02	<10	<10	<10	<5	10	4.34	98.73
723807	48.53	0.78	5.88	<0.01	39.46	<0.01	<0.01	0.03	0.08	0.03	<10	<10	<10	<5	<5	3.77	98.55
723808	44.85	0.80	8.83	1.16	40.37	<0.01	<0.01	0.01	0.13	0.01	<10	<10	<10	<5	5	2.36	98.54
723809	44.69	0.83	8.10	0.89	37.32	<0.01	<0.01	0.01	0.13	0.03	140	<10	<10	<5	5	6.23	98.25
723810	44.80	0.85	8.02	0.54	37.28	<0.01	<0.01	0.01	0.12	0.01	160	<10	<10	<5	5	6.48	98.14
723811	44.49	0.29	9.60	0.09	41.79	<0.01	<0.01	0.01	0.14	0.01	<10	<10	<10	<5	5	3.17	99.58
723812	46.73	0.76	7.01	1.26	35.77	<0.01	<0.01	0.01	0.11	0.01	20	20	<10	<5	5	6.53	98.20
723813	49.40	2.03	7.78	0.77	32.20	<0.01	<0.01	0.01	0.08	0.02	10	10	<10	<5	5	6.11	98.39
723814	51.89	0.09	8.48	0.06	37.21	<0.01	<0.01	<0.01	0.11	<0.01	<10	10	<10	<5	5	0.48	98.34
723815	77.20	9.91	3.25	1.00	1.92	1.38	1.82	0.41	0.06	0.09	1860	130	50	15	5	2.38	99.62
723816	63.49	14.17	5.30	7.23	1.79	2.81	0.47	0.91	0.14	0.26	790	390	70	25	15	2.95	99.66
723817	50.99	0.40	7.93	0.46	36.80	<0.01	<0.01	0.01	0.14	0.02	10	20	<10	<5	5	2.47	99.21
723818	54.54	0.63	7.52	1.56	31.34	<0.01	<0.01	0.01	0.12	0.01	40	10	<10	<5	5	2.83	98.55
723819	48.24	1.27	6.54	1.38	29.10	<0.01	<0.01	0.02	0.11	0.01	10	30	<10	<5	5	11.57	98.25
723820	49.30	0.67	7.11	0.53	35.09	<0.01	<0.01	0.01	0.10	<0.01	370	40	<10	<5	5	5.45	98.30
723821	49.70	0.35	8.13	0.06	35.21	<0.01	<0.01	<0.01	0.11	0.02	110	30	<10	<5	5	5.81	99.42
723822	47.14	0.18	8.57	<0.01	39.03	<0.01	<0.01	0.01	0.11	0.02	20	10	<10	<5	<5	3.92	98.99
723823	42.26	14.35	14.26	11.76	9.91	1.00	0.41	1.24	0.21	0.21	50	100	50	25	45	3.41	99.06
723824	46.18	0.24	9.49	0.08	40.70	<0.01	<0.01	0.01	0.13	0.01	10	10	<10	<5	5	1.27	98.12
723825	43.29	16.66	16.58	10.56	7.57	1.19	0.19	1.16	0.19	0.02	70	220	<10	<5	35	1.39	98.83

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for ... 31 Years

Assay Certificate

1V-0315-RA1

Company: **Leader Mining International Inc**
Project:
Attn: Mike MacLeod

Aug-02-01

We *hereby certify* the following assay of 12 rock chip samples submitted Jul-18-01 by Mike MacLeod.

Sample Name	B ppm	B ppm	S-total %	S-total %
713826	1	2	<0.01	<0.01
713827	16		<0.01	
713829	20		<0.01	
713830	18		<0.01	
713831	40		<0.01	
713832	48		0.87	
713834	55		0.04	
713835	52		2.54	
713836	73		1.71	
713837	47	47	<0.01	<0.01
713840	36		<0.01	
713841	23		<0.01	
*STSD-1	110			
*RTS-1 (1/4)			0.39	
*RTS-2 (1/4)			4.78	
*Blank	<1		<0.01	

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike MacLeod
Project:
Sample: rock chip

Report No : 1V0315 RJ
Date : Aug-02-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
713826	<0.2	0.17	5	20	<0.5	<5	0.20	<1	86	835	<1	5.43	<0.01	>15.00	850	<2	<0.01	2081	50	10	10	4	<10	<1	<0.01	12	<10	<1	24	3
713827	<0.2	0.24	70	10	<0.5	<5	0.14	<1	76	1063	<1	5.10	<0.01	>15.00	850	<2	<0.01	1777	50	10	15	5	<10	<1	<0.01	16	<10	<1	31	3
713829	<0.2	0.20	10	10	<0.5	<5	0.13	<1	82	967	<1	5.16	<0.01	>15.00	780	<2	<0.01	1903	60	6	15	5	<10	<1	<0.01	13	<10	<1	25	3
713830	<0.2	0.26	10	10	<0.5	<5	0.10	<1	73	1159	<1	4.85	<0.01	>15.00	695	<2	<0.01	1774	50	6	15	5	<10	<1	<0.01	16	<10	<1	23	3
713831	<0.2	0.10	<5	10	<0.5	<5	0.02	<1	88	465	1	5.20	<0.01	>15.00	830	<2	0.01	2161	50	10	5	4	<10	<1	<0.01	10	<10	<1	38	3
713832	<0.2	0.32	<5	20	<0.5	<5	0.01	<1	81	439	19	5.03	0.02	>15.00	870	<2	0.01	1672	60	8	5	4	<10	<1	<0.01	19	<10	<1	47	3
713834	<0.2	0.15	<5	10	<0.5	<5	0.01	<1	82	721	1	4.84	<0.01	>15.00	735	<2	<0.01	2126	50	8	10	3	<10	<1	<0.01	14	<10	<1	36	3
713835	<0.2	0.12	85	10	<0.5	<5	0.01	<1	90	383	52	5.73	<0.01	>15.00	1185	<2	<0.01	1853	70	8	5	3	<10	<1	<0.01	10	<10	<1	57	4
713836	<0.2	0.11	50	10	<0.5	<5	0.01	<1	79	405	37	5.20	<0.01	>15.00	1035	<2	0.01	1671	60	8	10	4	<10	<1	<0.01	11	<10	<1	54	3
713837	<0.2	0.14	<5	10	<0.5	<5	0.04	<1	84	641	2	5.28	<0.01	>15.00	870	<2	<0.01	1932	60	8	10	4	<10	<1	<0.01	12	<10	<1	33	3
713840	<0.2	0.17	<5	10	<0.5	<5	0.05	<1	74	592	12	4.82	<0.01	>15.00	835	<2	<0.01	1649	70	10	10	3	<10	<1	<0.01	15	<10	<1	29	3
713841	<0.2	0.10	5	10	<0.5	<5	0.28	<1	72	411	<1	4.73	<0.01	>15.00	660	<2	<0.01	1750	50	6	5	3	<10	<1	<0.01	10	<10	<1	19	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike MacLeod
Project:
Sample: rock chip

Report No : 1V0315 RL
Date : Aug-02-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
713826	38.39	0.68	8.47	0.29	45.05	0.02	0.05	0.01	0.13	0.02	30	10	<10	<5	5	6.12	99.24
713827	37.95	0.90	8.04	0.18	42.58	0.01	0.08	0.02	0.12	0.02	30	10	<10	<5	10	9.14	99.05
713829	38.16	0.86	8.35	0.19	43.81	0.01	0.09	0.02	0.12	0.03	30	10	<10	<5	5	7.51	99.16
713830	37.64	1.00	7.85	0.16	44.01	<0.01	0.07	0.02	0.11	0.02	30	10	<10	<5	10	8.45	99.33
713831	39.26	0.49	8.23	0.49	48.45	<0.01	0.07	0.01	0.12	0.02	30	10	<10	<5	5	1.86	99.02
713832	39.08	2.17	8.50	0.18	44.87	<0.01	0.06	0.01	0.14	0.02	40	10	<10	<5	10	4.02	99.07
713834	39.57	0.74	7.99	0.25	46.32	0.02	0.04	0.02	0.11	0.02	30	10	<10	<5	5	4.22	99.31
713835	40.03	0.59	9.60	0.06	45.07	0.01	0.03	0.02	0.19	0.02	30	10	<10	<5	5	3.60	99.23
713836	39.86	0.68	9.22	0.17	45.26	0.01	0.03	0.02	0.18	0.02	30	20	<10	<5	5	3.77	99.25
713837	39.86	0.77	9.08	1.07	47.23	0.01	0.01	0.01	0.14	0.01	30	20	10	<5	10	1.09	99.29
713840	39.56	1.07	8.51	0.75	43.56	0.01	<0.01	0.02	0.13	0.02	30	10	<10	<5	5	5.25	98.88
713841	38.77	0.61	8.20	0.44	44.85	<0.01	<0.01	0.02	0.11	0.02	30	10	<10	<5	5	6.10	99.12

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 20 Years

Assay Certificate

1V-0347-RA1

Company: **Leader Mining International Inc**
Project:
Attn: Mike MacLeod

Nov-29-01

We *hereby certify* the following assay of 5 rock samples submitted Aug-15-01

Sample Name	S %	B ppm
723842	<0.01	19
723843	<0.01	27
723844	<0.01	4
723846	<0.01	5
723847	<0.01	10
*DUP 723842	<0.01	20
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*STSD-2		38
*STSD-3		85
*BLANK	<0.01	<1

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike MacLeod
Project:
Sample: rock

Report No : 1V0347 RJ
Date : Nov-29-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
723842	<0.2	0.09	80	10	<0.5	<5	0.20	<1	76	540	6	4.73	<0.01	>15.00	660	<2	0.01	1818	40	<2	5	3	<10	<1	<0.01	17	10	<1	12	3
723843	<0.2	0.11	5	10	<0.5	<5	0.14	<1	85	660	5	5.16	<0.01	>15.00	725	<2	0.01	1831	40	<2	5	4	<10	<1	<0.01	17	10	<1	10	3
723844	<0.2	0.11	<5	<10	<0.5	<5	0.09	<1	78	675	<1	4.79	<0.01	>15.00	720	<2	0.01	1708	30	<2	5	3	<10	<1	<0.01	18	<10	<1	16	3
723846	<0.2	0.26	<5	<10	<0.5	<5	0.04	<1	69	1192	18	4.80	<0.01	14.82	620	<2	0.01	1620	30	<2	10	4	<10	<1	<0.01	26	<10	<1	14	3
723847	<0.2	0.23	<5	<10	<0.5	<5	0.07	<1	74	1168	2	5.18	<0.01	>15.00	665	<2	0.01	1630	40	<2	10	4	<10	<1	<0.01	27	<10	<1	15	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed:_____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Mike MacLeod
Project:
Sample: rock

Report No : 1V0347 RL
Date : Nov-29-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
723842	38.97	0.63	8.07	0.32	39.39	<0.01	<0.01	0.01	0.11	0.02	30	<10	<10	<5	5	11.59	99.13
723843	38.45	0.58	8.60	0.23	36.26	<0.01	<0.01	0.02	0.11	0.02	40	<10	<10	<5	5	14.15	98.42
723844	40.32	0.66	8.11	0.28	41.90	<0.01	<0.01	0.01	0.11	0.02	30	<10	<10	<5	5	7.92	99.34
723846	39.40	1.16	8.02	0.48	39.30	<0.01	<0.01	0.01	0.10	0.02	30	<10	<10	<5	10	9.85	98.33
723847	40.16	0.95	8.49	0.92	39.57	<0.01	<0.01	0.02	0.11	0.02	30	<10	<10	<5	10	8.67	98.91

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 20 Years

Assay Certificate

1V-0364-RA1

Company: **Leader Mining International Inc**
Project:
Attn: Jasi Nikhanj

Nov-29-01

We *hereby certify* the following assay of 1 rock sample submitted Aug-29-01

Sample Name	S %	B ppm
17157	<0.01	<1
*DUP 17157	<0.01	1
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*STSD-2		38
*STSD-3		85
*BLANK	<0.01	<1

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 20 Years

Assay Certificate

1V-0364-RA2

Company: **Leader Mining International Inc**
Project:
Attn: Jasi Nikhanj

Nov-29-01

We *hereby certify* the following assay of 6 rock samples submitted Aug-29-01

Sample Name	S %	B ppm
17186	<0.01	7
17189	0.03	35
17191	<0.01	14
17192	<0.01	19
17193	<0.01	11
17194	<0.01	14
*DUP 17186	<0.01	10
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*STSD-2		38
*STSD-3		85
*BLANK	<0.01	<1

Certified by

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project:
Sample: sediment

Report No : 1V0364 LJ
Date : Nov-29-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
17182	<0.2	1.07	20	70	<0.5	<5	0.43	<1	19	95	22	5.64	0.10	2.10	370	<2	0.03	165	800	2	<5	3	<10	4	0.09	147	10	4	66	3
17185	<0.2	1.46	20	120	<0.5	<5	0.43	<1	21	107	47	4.10	0.17	2.62	480	<2	0.03	208	660	2	<5	4	<10	9	0.12	93	<10	4	84	3
17187	<0.2	0.94	25	50	<0.5	<5	0.29	<1	44	432	31	4.74	0.05	7.70	615	<2	0.01	731	520	<2	5	3	<10	<1	0.07	61	<10	2	64	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project:
Sample: rock

Report No : 1V0364 RJ
Date : Nov-29-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
17157	<0.2	0.15	<5	<10	<0.5	<5	0.25	1	76	792	1	4.81	<0.01	>15.00	755	<2	0.01	1753	30	2	5	5	<10	<1	<0.01	19	<10	<1	25	3
17158	<0.2	1.73	<5	30	<0.5	<5	1.52	<1	21	75	189	2.93	0.08	1.89	190	<2	0.32	86	70	<2	<5	12	<10	74	0.21	127	<10	4	24	4
17159	<0.2	4.95	<5	40	<0.5	<5	3.57	<1	20	53	87	3.51	0.07	1.11	355	<2	0.81	12	490	<2	<5	9	<10	287	0.18	96	<10	9	42	7
17160	<0.2	0.35	<5	30	<0.5	<5	0.59	<1	17	258	89	1.19	0.01	1.02	95	<2	0.06	186	30	<2	<5	4	<10	10	0.05	36	<10	1	13	2
17163	<0.2	0.11	<5	<10	<0.5	<5	0.18	<1	86	1094	14	4.61	<0.01	>15.00	825	<2	0.01	1806	30	<2	10	3	<10	<1	<0.01	17	<10	<1	15	2
17164	<0.2	0.06	<5	10	<0.5	<5	0.58	<1	77	637	12	4.21	<0.01	>15.00	690	<2	0.01	1348	30	<2	5	3	<10	<1	<0.01	14	<10	<1	17	2
17165	<0.2	0.09	<5	<10	<0.5	<5	0.25	<1	83	1239	18	4.12	<0.01	>15.00	705	<2	0.01	1766	30	<2	10	3	<10	<1	<0.01	13	<10	<1	24	2
17166	<0.2	1.63	<5	20	<0.5	<5	1.80	<1	17	65	17	2.11	0.07	1.97	215	<2	0.35	62	30	<2	<5	12	<10	42	0.17	128	<10	4	27	3
17167	<0.2	2.59	<5	590	<0.5	<5	0.19	1	19	268	50	4.22	1.86	1.84	165	<2	0.07	75	670	<2	<5	7	<10	<1	0.29	146	<10	5	117	3
17168	<0.2	1.45	<5	10	<0.5	<5	1.28	1	10	178	<1	1.72	0.07	1.45	240	<2	0.13	30	570	<2	<5	5	<10	8	0.08	51	<10	3	32	2
17169	<0.2	2.11	<5	340	<0.5	<5	0.29	1	15	304	49	3.68	1.22	1.44	195	<2	0.06	57	1010	<2	<5	6	<10	4	0.16	96	<10	8	21	3
17170	<0.2	2.18	<5	460	<0.5	<5	0.33	1	15	165	42	3.65	1.47	1.49	135	<2	0.06	31	1500	<2	<5	7	<10	1	0.22	141	<10	6	67	2
17171	<0.2	1.70	<5	180	<0.5	<5	1.46	<1	32	33	64	3.07	0.28	1.76	180	<2	0.28	9	150	<2	<5	6	<10	77	0.17	87	<10	4	28	6
17172	<0.2	2.54	<5	1570	<0.5	<5	0.73	<1	16	30	44	5.14	1.87	1.46	680	<2	0.04	5	1710	2	<5	3	<10	43	0.27	72	<10	4	122	3
17173	0.2	1.55	<5	20	<0.5	<5	0.79	1	23	48	775	3.38	0.03	1.23	385	<2	0.10	15	480	<2	<5	6	<10	11	0.19	103	<10	6	48	3
17174	<0.2	2.29	<5	770	<0.5	<5	0.14	1	15	164	29	3.86	1.48	1.51	105	2	0.07	38	420	<2	<5	6	<10	<1	0.24	155	<10	3	136	2
17175	<0.2	2.22	<5	810	<0.5	<5	0.07	<1	9	277	63	3.68	1.63	1.64	205	<2	0.09	15	40	<2	<5	10	<10	<1	0.26	165	<10	4	126	3
17176	<0.2	1.85	<5	30	<0.5	<5	1.62	<1	19	81	60	2.39	0.06	1.04	185	<2	0.29	40	330	<2	<5	5	<10	108	0.15	87	<10	3	39	5
17177	<0.2	1.79	<5	40	<0.5	<5	1.39	1	14	75	32	3.16	0.07	1.20	305	<2	0.28	15	1070	<2	<5	6	<10	80	0.12	103	<10	5	59	6
17178	<0.2	1.99	<5	30	<0.5	<5	1.75	1	16	28	33	2.96	0.05	0.91	245	<2	0.36	11	940	<2	<5	5	<10	137	0.12	94	<10	4	42	5
17179	<0.2	2.62	<5	20	<0.5	<5	2.19	1	29	57	208	4.33	0.04	1.38	435	<2	0.29	27	150	<2	<5	12	<10	26	0.19	144	<10	4	37	4
17180	<0.2	3.47	<5	30	<0.5	<5	2.81	<1	17	25	91	2.75	0.03	1.05	340	<2	0.35	16	290	<2	<5	9	<10	63	0.14	101	<10	4	32	3
17181	<0.2	0.25	10	<10	<0.5	<5	0.30	<1	59	606	18	3.15	<0.01	14.81	575	<2	0.01	1570	40	<2	5	2	<10	<1	<0.01	17	<10	<1	14	2
17183	<0.2	3.93	<5	40	<0.5	<5	2.65	<1	16	44	18	2.74	0.04	1.40	365	<2	0.26	12	730	<2	<5	6	<10	119	0.15	59	<10	2	73	2
17184	<0.2	8.72	<5	60	<0.5	<5	5.02	<1	32	33	106	5.88	0.74	1.83	245	<2	0.74	18	830	<2	<5	5	<10	236	0.13	127	<10	2	90	4
17186	<0.2	0.23	<5	<10	<0.5	<5	0.43	1	79	1274	<1	5.15	0.01	>15.00	760	<2	0.02	1845	40	<2	10	6	<10	<1	<0.01	21	<10	<1	22	3
17188	<0.2	0.24	<5	<10	<0.5	<5	0.06	1	59	1453	3	4.41	<0.01	10.72	450	<2	0.01	865	20	<2	10	4	<10	<1	<0.01	25	<10	<1	22	2
17189	<0.2	0.22	<5	<10	<0.5	<5	0.09	<1	74	1287	<1	4.39	<0.01	12.35	365	<2	0.01	1767	20	<2	10	4	<10	<1	<0.01	23	<10	<1	15	2
17190	<0.2	0.13	50	20	<0.5	<5	0.50	<1	44	684	10	3.57	0.02	6.91	575	<2	0.01	1105	30	<2	20	4	<10	1	<0.01	20	<10	<1	21	2
17191	<0.2	0.18	<5	<10	<0.5	<5	0.08	<1	75	1048	5	4.84	<0.01	>15.00	660	<2	0.01	1715	30	<2	10	4	<10	<1	0.01	25	<10	<1	40	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project:
Sample: rock

Report No : 1V0364 RJ
Date : Nov-29-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
17192	<0.2	0.34	<5	<10	<0.5	<5	0.03	<1	66	1453	6	4.50	<0.01	>15.00	585	<2	0.01	1703	20	<2	10	6	<10	<1	<0.01	28	<10	<1	25	2
17193	<0.2	0.12	<5	<10	<0.5	<5	0.21	<1	76	764	5	4.91	<0.01	>15.00	695	<2	0.01	1687	30	<2	5	3	<10	<1	<0.01	21	<10	<1	21	2
17194	<0.2	0.17	<5	<10	<0.5	<5	0.02	<1	73	762	1	4.69	<0.01	>15.00	615	<2	0.01	1717	30	<2	5	3	<10	<1	<0.01	22	<10	<1	25	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project:
Sample: rock

Report No : 1V0364 RL
Date : Nov-29-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
17157	33.50	0.58	1.53	1.30	42.00	<0.01	0.05	0.01	0.11	<0.01	<10	10	<10	<5	10	4.38	83.47
17158	42.62	14.24	12.06	10.60	14.06	2.23	0.41	1.90	0.12	0.03	90	310	30	5	65	1.33	99.65
17159	44.93	18.46	13.83	10.41	6.80	2.35	0.21	1.28	0.20	0.14	70	460	30	15	35	0.67	99.34
17160	49.29	3.66	10.26	10.33	23.15	0.22	0.05	0.40	0.18	0.02	30	60	10	<5	45	1.81	99.40
17163	33.14	0.47	2.23	0.35	46.02	<0.01	0.01	0.01	0.14	0.01	<10	<10	<10	<5	5	4.43	86.82
17164	33.56	0.36	3.25	1.02	47.80	<0.01	0.01	0.02	0.12	0.01	10	20	<10	<5	5	4.80	90.95
17165	34.31	0.38	3.95	0.39	48.89	<0.01	0.01	0.01	0.12	0.01	<10	20	<10	<5	5	5.92	93.99
17166	44.17	14.68	10.71	10.97	12.66	2.79	0.30	1.81	0.12	0.02	70	440	20	5	60	1.08	99.37
17167	64.10	15.74	7.27	2.10	3.34	1.96	2.36	0.75	0.10	0.18	580	210	130	10	20	1.67	99.66
17168	50.23	14.95	9.41	9.85	10.68	1.34	0.32	0.81	0.16	0.14	40	160	50	5	35	1.70	99.64
17169	63.31	17.16	7.54	1.63	2.79	1.41	2.36	0.85	0.11	0.25	740	190	140	10	20	2.27	99.78
17170	63.56	15.68	6.74	3.03	2.62	3.32	1.77	0.76	0.11	0.37	430	280	140	5	15	1.37	99.45
17171	44.21	15.03	11.42	10.19	12.48	2.20	0.59	1.51	0.12	0.05	190	430	40	10	40	1.69	99.58
17172	55.55	18.60	7.90	2.73	2.58	5.40	3.14	0.72	0.17	0.43	3650	530	110	15	15	1.74	99.39
17173	52.28	15.46	10.05	7.42	6.21	5.08	0.12	0.95	0.19	0.12	50	160	60	15	40	1.74	99.66
17174	59.88	17.59	7.67	3.28	2.71	3.20	2.06	0.84	0.10	0.12	870	330	140	10	20	2.01	99.60
17175	60.62	16.65	6.31	2.84	2.87	4.10	2.10	0.84	0.10	0.02	720	300	130	10	20	3.19	99.74
17176	46.39	17.59	10.62	10.43	8.32	2.88	0.27	1.37	0.13	0.10	90	580	40	5	30	1.39	99.57
17177	47.27	19.49	10.52	9.63	6.42	3.44	0.23	1.20	0.18	0.28	90	740	50	10	25	0.97	99.73
17178	45.68	20.09	11.04	10.59	6.11	3.25	0.22	1.30	0.15	0.24	80	760	40	5	25	0.89	99.65
17179	40.45	15.79	17.20	10.89	8.91	1.69	0.20	1.76	0.26	0.05	50	80	20	5	60	2.11	99.34
17180	43.27	17.31	14.27	11.73	8.16	1.82	0.18	1.23	0.24	0.08	80	140	20	5	50	1.17	99.50
17181	30.35	0.72	5.13	0.42	37.11	<0.01	0.04	0.02	0.11	0.01	<10	20	10	<5	5	19.01	92.93
17183	44.66	17.38	12.34	12.76	7.78	0.96	0.15	1.13	0.26	0.19	40	260	10	<5	50	1.92	99.57
17184	43.49	21.36	10.99	10.99	5.74	1.46	1.11	0.92	0.15	0.22	70	320	10	<5	35	2.91	99.39
17186	36.00	0.79	7.40	0.68	44.97	0.02	<0.01	0.02	0.14	0.01	10	30	<10	<5	10	8.69	98.72
17188	37.58	1.03	7.91	0.10	39.58	<0.01	<0.01	0.01	0.08	0.01	10	50	<10	<5	10	13.17	99.49
17189	38.09	0.91	7.92	0.12	41.41	<0.01	<0.01	0.01	0.08	0.01	<10	30	<10	<5	10	10.68	99.23
17190	62.62	0.96	6.06	0.93	14.44	0.01	0.09	0.01	0.10	0.01	20	30	<10	<5	5	14.01	99.27
17191	37.23	0.71	7.91	0.95	44.59	<0.01	<0.01	0.02	0.13	0.01	<10	20	<10	<5	10	7.61	99.16

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project:
Sample: rock

Report No : 1V0364 RL
Date : Nov-29-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
17192	36.76	1.22	7.88	0.08	45.12	<0.01	<0.01	0.01	0.10	0.01	<10	20	<10	<5	10	8.22	99.41
17193	37.30	0.55	8.71	0.33	43.95	<0.01	<0.01	0.01	0.12	0.01	<10	30	<10	<5	5	8.42	99.39
17194	37.55	0.64	8.31	0.40	46.28	<0.01	<0.01	0.01	0.12	0.01	<10	20	<10	<5	5	5.67	98.99

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0405-RA1

Company: **Leader Mining International Inc**
Project:
Attn:

Dec-23-01
Copy 1:Leader Mining Int. Inc.
Copy 2:Craig Payne, Crest Geological Services
Copy 3:

We *hereby certify* the following assay of 7 pulp samples submitted Dec-18-01 by Craig Payne.

Sample Name	Au ppb	Au g/tonne
17220	17	
17222	6	
17223	76	
17224	2281	2.40
17225	276	
17226	13	
17227	22	
*97-2		1.39
*Blank		<0.01

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Geochemical Analysis Certificate

1V-0405-RG1

Company: **Leader Mining International Inc**
Project:
Attn:

Dec-23-01

Copy 1:Leader Mining Int. Inc.
Copy 2:Craig Payne, Crest Geological Services
Copy 3:

We *hereby certify* the following geochemical analysis of 24 rock samples submitted Dec-18-01 by Craig Payne.

Sample Name	S-total %	S-total %	B ppm	B ppm
17195	0.02	0.02	20	16
17197	<0.01		17	
17198	0.01		19	
17199	0.01		14	
17201	0.02		15	
17202	0.03		16	
17203	0.04		19	
17205	<0.01		12	
17208	0.01		20	
17209	0.01		13	
17210	0.01		13	
17211	0.02		6	
17212	<0.01		2	
17213	<0.01		7	
17214	0.09	0.09	11	11
17215	0.07		7	
*LKSD-1			43	
*RTS-1 (1/4)	0.42			
*RTS-2 (1/4)	4.74			
*Blank	<0.01		<1	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Geochemical Analysis Certificate

1V-0405-RG2

Company: **Leader Mining International Inc**
Project:
Attn:

Dec-23-01
Copy 1:Leader Mining Int. Inc.
Copy 2:Craig Payne, Crest Geological Services
Copy 3:

We *hereby certify* the following geochemical analysis of 24 rock samples submitted Dec-18-01 by Craig Payne.

Sample Name	S-total %	S-total %	B ppm	B ppm
17221	0.02		21	24
17222	1.24		46	
17228	2.31	2.29	29	
17229	0.25		21	
17230	0.04		24	
17231	0.01		41	
17232	0.03		41	
17233	<0.01		43	
17234	<0.01		27	
17235	0.03		90	
17236	0.09		19	
17237	0.02		17	
17238	<0.01	<0.01	19	17
17239	<0.01		39	
17240	<0.01		13	
17241	<0.01		49	
17242	<0.01		26	
*STSD-1			85	
*RTS-1 (1/4)	0.42			
*RTS-2 (1/4)	4.74			
*Blank	<0.01		<1	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Geochemical Analysis Certificate

1V-0405-RG3

Company: **Leader Mining International Inc**
Project:
Attn:

Dec-23-01
Copy 1:Leader Mining Int. Inc.
Copy 2:Craig Payne, Crest Geological Services
Copy 3:

We *hereby certify* the following geochemical analysis of 12 rock samples submitted Dec-18-01 by Craig Payne.

Sample Name	S-total %	S-total %	B ppm	B ppm
17243	0.04	0.04	62	62
17244	<0.01		35	
17245	0.04		37	
17246	0.02		14	
17247	<0.01		19	
17248	<0.01		21	
17249	0.02		22	
17250	<0.01		29	
17251	<0.01		20	
17252	<0.01	<0.01	16	13
17254	0.07		25	
*LKSD-1			42	
*RTS-1 (1/4)	0.42			
*RTS-2 (1/4)	4.74			
*Blank	<0.01		<1	

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention:
Project:
Sample:

Report No : 1V0405 RD
Date : Dec-23-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
17195	<0.2	0.17	20	<10	<0.5	<5	0.06	<1	68	1022	7	4.83	<0.01	>15.00	650	<2	0.02	1723	30	<2	5	3	<10	<1	<0.01	27	<10	<1	23	2
17196	<0.2	1.06	5	10	1.0	<5	1.28	<1	21	70	424	2.71	0.05	0.79	315	<2	0.15	11	370	<2	<5	6	<10	<1	0.46	85	<10	5	34	2
17197	<0.2	0.19	<5	<10	<0.5	<5	0.03	<1	91	773	5	5.95	<0.01	>15.00	975	<2	0.03	1842	40	<2	<5	3	<10	<1	<0.01	25	<10	<1	36	3
17198	<0.2	0.25	<5	10	<0.5	<5	0.02	<1	75	1031	7	5.35	0.01	>15.00	805	2	0.02	1814	40	10	10	3	<10	<1	<0.01	22	<10	<1	34	3
17199	<0.2	0.16	<5	<10	<0.5	<5	0.05	<1	78	749	10	5.24	<0.01	>15.00	790	<2	0.02	1799	30	2	5	5	<10	<1	<0.01	28	<10	<1	26	2
17200	<0.2	0.01	<5	<10	<0.5	<5	<0.01	<1	1	267	5	0.36	<0.01	0.18	40	4	0.01	22	<10	<2	<5	<1	<10	<1	<0.01	1	<10	<1	11	1
17201	<0.2	0.11	20	<10	<0.5	<5	0.09	<1	88	360	11	4.70	<0.01	>15.00	780	<2	0.01	1835	40	<2	<5	3	<10	<1	<0.01	18	<10	<1	20	2
17202	<0.2	0.13	250	<10	<0.5	<5	0.22	<1	75	746	5	4.93	<0.01	>15.00	655	<2	0.02	1692	30	2	5	3	<10	<1	<0.01	22	<10	<1	17	3
17203	<0.2	0.07	240	<10	<0.5	<5	0.06	<1	84	297	9	4.86	<0.01	>15.00	800	<2	0.02	1913	30	2	<5	2	<10	<1	<0.01	18	<10	<1	20	2
17204	1.0	1.59	<5	10	1.0	<5	1.68	<1	15	55	2539	3.51	0.04	1.48	295	<2	0.16	16	860	4	<5	6	<10	10	0.49	118	<10	5	38	5
17205	<0.2	0.37	<5	<10	<0.5	<5	0.19	<1	82	1200	5	5.22	<0.01	>15.00	860	<2	0.02	1598	30	2	5	4	<10	<1	0.01	30	<10	<1	32	3
17206	<0.2	1.61	5	10	0.5	<5	0.88	<1	35	73	345	3.68	0.01	1.54	260	<2	0.06	58	510	2	<5	3	<10	11	0.20	56	<10	2	92	5
17207	<0.2	1.92	<5	10	0.5	<5	1.46	<1	27	53	147	4.27	0.06	1.60	450	<2	0.19	15	50	<2	<5	7	<10	10	0.30	105	<10	1	41	3
17208	<0.2	0.34	<5	<10	<0.5	<5	0.11	<1	71	993	3	4.96	<0.01	13.49	670	<2	0.02	1481	30	<2	5	3	<10	<1	0.01	34	<10	<1	25	2
17209	<0.2	0.10	<5	<10	<0.5	<5	0.08	<1	78	778	3	4.98	<0.01	>15.00	765	<2	0.02	1793	30	<2	5	4	<10	<1	<0.01	22	<10	<1	20	2
17210	<0.2	0.11	<5	<10	<0.5	<5	0.01	<1	76	534	2	4.79	<0.01	>15.00	735	<2	0.01	1757	30	<2	<5	4	<10	<1	<0.01	22	<10	<1	22	2
17211	<0.2	0.33	<5	<10	<0.5	<5	0.06	<1	78	999	6	4.90	0.01	>15.00	760	<2	0.02	1769	30	<2	5	3	<10	<1	<0.01	26	<10	<1	23	2
17212	<0.2	0.14	<5	<10	<0.5	<5	0.06	<1	75	538	<1	4.79	<0.01	>15.00	695	<2	0.01	1703	30	2	<5	4	<10	<1	<0.01	19	<10	<1	27	2
17213	<0.2	0.02	<5	<10	<0.5	<5	0.04	<1	92	98	<1	5.27	<0.01	>15.00	785	<2	0.02	1956	30	2	<5	2	<10	<1	<0.01	13	<10	<1	25	2
17214	<0.2	0.25	135	<10	<0.5	<5	0.19	<1	72	1157	9	4.41	<0.01	>15.00	705	<2	0.01	1665	30	<2	10	4	<10	<1	<0.01	21	<10	<1	31	2
17215	<0.2	0.29	15	<10	<0.5	<5	0.73	<1	53	1051	2	4.39	<0.01	13.17	370	<2	0.01	1345	140	<2	5	6	<10	<1	0.01	32	<10	<1	17	2
17216	<0.2	2.53	<5	200	0.5	<5	0.81	<1	14	71	87	4.12	0.38	1.46	200	2	0.19	30	830	<2	<5	10	<10	57	0.18	116	<10	6	58	3
17217	<0.2	1.87	5	40	0.5	<5	0.40	<1	14	55	315	4.65	0.19	1.12	205	2	0.07	17	1370	4	<5	8	<10	12	0.16	115	<10	9	29	4
17218	<0.2	0.66	5	20	0.5	<5	0.71	<1	15	95	248	3.20	0.06	0.18	135	6	0.13	13	1150	2	<5	2	<10	36	0.25	34	<10	10	24	8
17219	<0.2	2.76	<5	60	0.5	<5	1.50	<1	21	64	247	6.22	0.07	0.24	145	4	0.35	18	950	4	<5	3	<10	104	0.16	42	<10	9	26	7
17220	1.4	1.38	<5	200	0.5	<5	0.65	<1	8	78	492	3.66	0.52	0.99	520	2	0.09	5	820	<2	<5	3	<10	21	0.15	75	<10	5	65	3
17221	<0.2	0.16	<5	10	<0.5	<5	0.01	<1	90	443	<1	5.85	0.01	>15.00	865	<2	0.01	2276	50	4	5	3	<10	<1	<0.01	11	<10	<1	33	4
17222	<0.2	0.38	40	10	<0.5	<5	0.02	<1	57	776	105	5.17	0.01	>15.00	1415	<2	0.02	1279	30	6	5	3	<10	<1	<0.01	15	<10	<1	197	4
17223	<0.2	4.68	45	40	0.5	<5	2.51	<1	25	122	171	5.59	0.42	1.32	170	<2	0.44	33	260	<2	<5	9	<10	55	0.14	132	<10	4	103	4
17224	22.0	0.29	>10000	10	<0.5	15	0.90	<1	5	138	264	7.31	0.08	0.45	770	<2	0.02	25	120	2710	105	1	<10	<1	<0.01	17	170	<1	6899	5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc

Attention:

Project:

Sample:

Report No : 1V0405 RD

Date : Dec-23-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
17225	>200.0	1.61	1480	10	<0.5	5	0.80	<1	13	515	>10000	3.11	0.04	2.93	900	2	0.02	121	570	266	3380	7	10	7	0.04	86	100	2	4503	2
17226	2.8	1.33	205	10	<0.5	<5	0.49	<1	36	276	365	4.74	0.06	0.78	125	2	0.10	35	110	14	35	3	<10	3	0.07	40	10	3	100	5
17227	1.2	0.50	540	20	<0.5	25	0.20	<1	187	75	820	>15.00	0.03	0.60	45	2	0.02	149	220	36	10	<1	<10	<1	0.01	44	10	<1	42	16
17228	<0.2	0.08	55	10	<0.5	<5	0.02	<1	75	226	25	5.63	0.01	>15.00	905	<2	0.02	1865	60	6	5	3	<10	<1	<0.01	9	<10	<1	43	4
17229	<0.2	0.06	<5	<10	<0.5	<5	0.01	<1	86	288	14	5.11	<0.01	>15.00	790	<2	0.01	1907	30	<2	<5	3	<10	<1	<0.01	15	<10	<1	32	2
17230	<0.2	0.05	<5	<10	<0.5	<5	0.01	<1	88	303	<1	5.12	<0.01	>15.00	835	<2	0.02	2180	30	<2	<5	2	<10	<1	<0.01	14	<10	<1	39	2
17231	<0.2	0.18	<5	10	<0.5	<5	0.33	<1	68	661	<1	4.71	<0.01	>15.00	720	<2	0.01	1421	50	2	5	3	<10	<1	<0.01	20	<10	<1	22	2
17232	<0.2	0.18	65	<10	<0.5	<5	0.12	<1	76	720	<1	5.16	<0.01	>15.00	780	<2	0.01	1697	40	<2	5	3	<10	<1	<0.01	20	<10	<1	31	3
17233	<0.2	0.16	<5	<10	<0.5	<5	0.07	<1	62	587	<1	3.97	<0.01	>15.00	525	<2	0.01	1620	30	2	5	4	<10	<1	<0.01	21	<10	<1	25	2
17234	<0.2	0.22	<5	<10	<0.5	<5	0.05	<1	82	746	9	5.42	<0.01	>15.00	820	<2	0.02	1647	30	<2	5	4	<10	<1	0.01	27	<10	<1	29	3
17235	<0.2	0.19	<5	<10	<0.5	<5	0.08	<1	85	560	11	4.55	<0.01	>15.00	805	<2	0.01	1973	30	<2	5	2	<10	<1	<0.01	21	<10	<1	26	3
17236	<0.2	0.19	5	20	<0.5	<5	0.35	<1	88	651	13	4.42	0.01	>15.00	695	<2	0.02	2011	30	<2	5	5	<10	<1	<0.01	19	<10	<1	18	2
17237	<0.2	0.29	<5	<10	<0.5	<5	0.03	<1	67	898	2	4.49	<0.01	>15.00	650	<2	0.02	1628	30	<2	5	4	<10	<1	<0.01	30	<10	<1	22	2
17238	<0.2	0.24	<5	<10	<0.5	<5	0.07	<1	59	1073	29	3.75	<0.01	14.58	520	<2	0.03	1311	20	<2	5	4	<10	<1	<0.01	23	<10	<1	19	2
17239	<0.2	0.08	<5	<10	<0.5	<5	0.03	<1	93	593	3	5.25	<0.01	>15.00	1260	<2	0.01	1734	30	<2	5	2	<10	<1	<0.01	25	<10	<1	23	3
17240	<0.2	0.11	<5	<10	<0.5	<5	0.01	<1	83	618	3	5.26	<0.01	>15.00	865	<2	0.02	1850	30	<2	5	3	<10	<1	<0.01	24	<10	<1	28	2
17241	<0.2	0.10	<5	<10	<0.5	<5	0.04	1	73	1519	23	5.13	<0.01	>15.00	965	<2	0.01	854	30	<2	5	6	<10	<1	<0.01	27	<10	<1	18	2
17242	<0.2	0.10	<5	<10	<0.5	<5	0.14	<1	94	1305	6	4.94	<0.01	>15.00	840	<2	0.01	1011	30	<2	5	2	<10	<1	<0.01	20	<10	<1	22	2
17243	<0.2	0.21	5	<10	<0.5	<5	0.37	<1	58	491	30	3.40	<0.01	13.71	485	<2	0.01	1389	40	2	5	2	<10	<1	<0.01	16	<10	<1	24	2
17244	<0.2	0.04	<5	<10	<0.5	<5	0.20	<1	83	570	3	5.10	<0.01	>15.00	790	<2	0.01	1249	30	<2	5	2	<10	<1	<0.01	17	<10	<1	20	2
17245	<0.2	0.05	10	<10	<0.5	<5	0.19	<1	86	205	10	4.79	<0.01	>15.00	720	<2	0.01	1864	30	<2	<5	2	<10	<1	<0.01	17	<10	<1	24	2
17246	<0.2	0.07	20	<10	<0.5	<5	0.01	<1	80	288	8	5.33	<0.01	>15.00	755	<2	0.01	1888	30	<2	<5	2	<10	<1	<0.01	19	<10	<1	28	3
17247	<0.2	0.15	<5	<10	<0.5	<5	0.05	<1	80	600	<1	5.01	<0.01	>15.00	755	<2	0.02	1877	30	<2	<5	4	<10	<1	<0.01	16	<10	<1	26	2
17248	<0.2	0.29	<5	<10	<0.5	<5	0.03	<1	91	657	1	6.53	<0.01	>15.00	1120	<2	0.02	1975	30	<2	5	2	<10	<1	<0.01	25	<10	<1	41	3
17249	<0.2	0.15	<5	<10	<0.5	<5	0.28	<1	77	849	1	4.93	<0.01	>15.00	740	<2	0.02	1850	30	<2	5	5	<10	<1	<0.01	20	<10	<1	26	2
17250	<0.2	0.24	<5	<10	<0.5	<5	0.02	1	71	1013	<1	4.65	<0.01	>15.00	710	<2	0.01	1638	30	<2	5	3	<10	<1	<0.01	25	<10	<1	28	2
17251	<0.2	0.07	<5	<10	<0.5	<5	0.02	1	60	1281	<1	4.49	<0.01	>15.00	610	<2	0.01	624	20	<2	5	4	<10	<1	0.01	25	<10	<1	19	2
17252	<0.2	0.06	<5	<10	<0.5	<5	0.02	<1	88	636	14	5.11	<0.01	>15.00	555	<2	0.01	1866	30	<2	5	4	<10	<1	<0.01	26	<10	<1	24	3
17253	<0.2	0.45	5	200	<0.5	<5	0.05	<1	11	176	215	1.06	0.23	0.42	105	6	0.05	25	60	<2	<5	1	<10	2	0.03	15	<10	1	38	2
17254	<0.2	0.08	5	<10	<0.5	<5	0.03	<1	70	170	28	4.39	<0.01	>15.00	710	<2	0.01	1585	40	<2	<5	1	<10	<1	<0.01	11	<10	<1	26	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention:
Project:
Sample: rock

Report No : 1V0405 RL
Date : Dec-23-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
17195	37.62	0.72	7.75	1.54	42.23	0.01	0.06	0.01	0.11	0.01	<10	10	<10	<5	10	7.33	97.39
17197	39.14	0.75	6.63	1.84	45.33	0.06	0.07	0.04	0.16	<0.01	<10	10	<10	<5	10	3.26	97.28
17198	39.02	0.91	8.81	0.93	43.80	<0.01	0.06	0.03	0.13	0.02	20	20	10	5	10	5.08	98.80
17199	38.78	0.65	6.26	1.26	44.27	0.02	0.07	0.02	0.13	<0.01	<10	20	<10	<5	10	6.02	97.48
17201	37.22	0.52	7.72	0.16	45.13	0.01	0.04	0.03	0.13	0.01	<10	<10	<10	<5	5	6.23	97.19
17202	36.66	0.62	8.27	0.34	41.48	0.01	0.04	0.02	0.12	<0.01	<10	10	<10	<5	5	9.74	97.29
17203	36.59	0.39	8.16	0.11	44.25	<0.01	0.02	0.02	0.13	0.01	<10	<10	<10	<5	5	7.64	97.32
17205	37.82	1.48	7.73	0.38	42.21	<0.01	0.03	0.06	0.14	0.01	<10	10	<10	<5	10	7.47	97.33
17208	36.79	1.57	8.49	0.19	40.41	<0.01	0.02	0.03	0.13	0.01	<10	<10	<10	<5	10	10.16	97.80
17209	36.92	0.48	8.60	0.64	44.52	0.02	0.03	0.01	0.13	0.01	<10	<10	<10	<5	5	5.89	97.24
17210	37.66	0.58	8.45	0.88	44.55	<0.01	0.04	0.01	0.13	<0.01	<10	10	<10	<5	10	4.99	97.30
17211	36.97	1.07	8.56	0.38	43.85	0.01	0.03	0.01	0.13	0.01	<10	10	<10	<5	5	6.35	97.39
17212	38.06	0.60	8.32	0.49	44.43	0.01	0.01	0.02	0.12	0.01	<10	10	<10	<5	5	5.44	97.52
17213	36.63	0.08	9.00	0.08	49.43	0.01	0.04	0.01	0.13	0.02	<10	10	<10	<5	5	1.62	97.05
17214	32.11	0.71	7.86	0.30	38.84	<0.01	0.01	0.01	0.12	<0.01	<10	30	<10	<5	5	17.71	97.68
17215	35.27	1.16	8.08	1.21	39.67	<0.01	0.02	0.02	0.07	0.04	<10	20	<10	<5	15	11.96	97.52
17221	37.05	0.53	9.52	0.15	48.98	<0.01	0.02	0.01	0.13	0.01	<10	10	<10	<5	5	0.68	97.10
17222	38.88	1.61	8.88	1.85	42.76	0.04	0.02	0.02	0.24	0.02	<10	20	<10	<5	5	3.23	97.56
17228	38.17	0.64	9.86	0.22	43.44	0.07	0.04	0.02	0.16	0.01	<10	10	<10	<5	5	2.65	95.30
17229	35.78	0.41	9.38	0.13	50.12	0.01	0.04	0.02	0.14	0.01	10	10	<10	<5	5	1.08	97.12
17230	34.97	0.27	9.03	0.19	52.13	0.01	0.02	0.01	0.14	0.01	<10	20	<10	<5	5	0.10	96.89
17231	35.28	0.79	8.74	0.55	42.97	<0.01	0.03	0.02	0.13	0.02	10	30	<10	<5	5	8.91	97.47
17232	34.97	0.64	9.36	0.21	43.61	<0.01	0.03	0.02	0.14	0.02	<10	20	<10	<5	5	8.11	97.11
17233	34.60	0.68	7.39	0.24	45.47	<0.01	0.02	0.02	0.10	0.01	10	20	<10	<5	5	8.72	97.25
17234	36.50	0.95	9.77	2.33	43.66	0.05	0.02	0.05	0.14	0.02	<10	20	10	<5	15	3.58	97.07
17235	35.54	0.66	7.86	0.52	44.93	<0.01	<0.01	0.02	0.13	0.01	<10	40	<10	<5	5	7.82	97.49
17236	24.85	0.49	7.81	0.62	35.69	0.02	0.02	0.01	0.11	0.01	20	40	<10	<5	5	27.76	97.39
17237	37.89	1.21	8.07	1.68	41.28	0.03	0.02	0.02	0.11	0.02	10	20	10	<5	10	7.37	97.70
17238	42.06	1.26	6.71	5.82	36.75	0.48	0.02	0.04	0.10	0.01	<10	20	<10	<5	25	4.54	97.80
17239	37.00	0.49	9.12	2.96	43.18	<0.01	0.02	0.01	0.21	0.02	<10	20	<10	<5	5	4.42	97.43

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention:
Project:
Sample: rock

Report No : 1V0405 RL
Date : Dec-23-01

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
17240	37.87	0.45	8.96	0.56	44.81	<0.01	<0.01	0.01	0.14	0.01	10	30	<10	<5	5	4.26	97.09
17241	36.07	0.43	10.28	0.07	42.30	<0.01	0.01	0.02	0.18	0.02	<10	20	<10	<5	10	8.09	97.48
17242	35.89	0.37	9.96	0.23	44.94	<0.01	0.02	0.02	0.16	0.01	<10	30	<10	<5	5	5.45	97.06
17243	37.59	0.98	6.26	0.57	41.86	<0.01	<0.01	0.02	0.09	0.01	<10	10	<10	<5	5	10.72	98.09
17244	36.08	0.20	8.99	0.32	46.88	<0.01	<0.01	0.01	0.14	0.01	10	<10	10	<5	5	4.78	97.42
17245	35.25	0.32	8.09	0.31	43.65	<0.01	0.08	0.01	0.12	0.01	<10	10	<10	<5	5	10.02	97.86
17246	37.04	0.35	9.06	0.01	44.28	<0.01	<0.01	0.01	0.12	0.01	<10	<10	<10	<5	5	7.09	98.00
17247	36.92	0.59	8.28	0.23	47.12	0.01	<0.01	0.02	0.13	0.01	<10	<10	<10	<5	5	4.23	97.55
17248	37.64	1.11	10.46	0.19	44.76	0.03	<0.01	0.03	0.19	0.01	<10	<10	<10	<5	5	3.55	97.98
17249	37.56	0.55	7.77	0.61	44.48	0.02	<0.01	0.01	0.12	<0.01	<10	<10	<10	<5	5	6.94	98.06
17250	38.27	1.06	7.39	0.97	42.20	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	5	8.16	98.18
17251	40.83	0.44	8.02	0.22	42.13	<0.01	<0.01	0.02	0.10	<0.01	<10	<10	<10	<5	10	6.31	98.08
17252	41.26	0.35	7.67	0.43	45.17	0.01	0.02	0.01	0.09	0.01	<10	<10	<10	<5	5	2.73	97.73
17254	43.10	0.82	7.54	1.39	42.36	0.05	0.03	0.02	0.15	0.01	<10	10	<10	<5	5	2.37	97.83

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0535-RA1

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

Dec-17-01

We *hereby certify* the following assay of 24 rock samples submitted Nov-27-01

Sample Name	S-total %	S.G.
18496	<0.01	
18497	0.01	
18498	<0.01	
18499	<0.01	
18500	<0.01	
18740	<0.01	
18741	0.02	
18742	<0.01	
18743	<0.01	
18744	<0.01	
18745	<0.01	
18746	<0.01	
18747	<0.01	
18748	<0.01	
18749	<0.01	
18750	<0.01	2.84
18800	<0.01	
18801	<0.01	
18802	<0.01	
18803	<0.01	
18804	<0.01	
18805	<0.01	
18806	<0.01	
18807	<0.01	
*DUP 18496	<0.01	
*DUP 18744	<0.01	
*DUP 18803	<0.01	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0535-RA2

Dec-17-01

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

We *hereby certify* the following assay of 24 rock samples submitted Nov-27-01

Sample Name	S-total %	S.G.
18808	<0.01	
18809	<0.01	
18810	<0.01	2.66
18811	<0.01	
18812	<0.01	
18813	<0.01	
18814	<0.01	
18815	<0.01	
18816	<0.01	
18817	<0.01	
18818	<0.01	
18819	<0.01	
18820	<0.01	
18821	<0.01	
18822	<0.01	
18823	<0.01	
18824	<0.01	
18825	<0.01	
18826	<0.01	
18827	<0.01	
18828	<0.01	
18829	<0.01	
18830	<0.01	2.71
18831	<0.01	
*DUP 18808	<0.01	
*DUP 18817	<0.01	
*DUP 18827	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0535-RA3

Dec-17-01

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

We *hereby certify* the following assay of 1 rock sample submitted Nov-27-01

Sample Name	S-total %
18832	<0.01
*DUP 18832	<0.01
*RTS-1 (1/4)	0.43
*RTS-2 (1/4)	4.73

Certified by _____

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: rock

Assay's Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0535 RJ
Date : Dec-17-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
18496	<0.2	0.09	<5	4	10	<0.5	<5	0.08	<1	88	528	<1	5.67	<0.01	24.58	875	<2	<0.01	2042	60	28	5	4	<10	<1	<0.01	13	<10	<1	38	3
18497	<0.2	0.09	<5	3	10	<0.5	<5	0.10	<1	84	506	4	5.38	<0.01	23.55	860	<2	<0.01	1985	50	6	5	4	<10	<1	<0.01	13	<10	<1	39	3
18498	<0.2	0.08	<5	2	10	<0.5	<5	0.03	<1	85	458	18	5.50	<0.01	23.94	875	<2	<0.01	1946	50	4	5	4	<10	<1	<0.01	13	<10	<1	31	3
18499	<0.2	0.11	<5	2	10	<0.5	<5	0.04	<1	86	553	<1	5.54	<0.01	24.13	865	<2	<0.01	1979	50	4	5	5	<10	<1	<0.01	14	<10	<1	29	3
18500	<0.2	0.10	<5	3	10	<0.5	<5	0.04	<1	88	498	2	5.57	<0.01	25.07	865	<2	<0.01	2031	60	4	5	5	<10	<1	<0.01	10	<10	<1	30	3
18740	<0.2	0.11	<5	2	10	<0.5	<5	0.04	<1	83	478	4	5.46	<0.01	24.57	850	<2	<0.01	1952	60	6	5	5	<10	<1	<0.01	13	<10	<1	30	3
18741	<0.2	0.07	5	2	10	<0.5	<5	0.03	<1	89	437	6	5.68	<0.01	25.02	890	<2	<0.01	2000	50	4	5	5	<10	<1	<0.01	13	<10	<1	32	3
18742	<0.2	0.09	<5	1	10	<0.5	<5	0.03	<1	90	402	<1	5.76	<0.01	26.31	880	<2	<0.01	2084	50	6	5	4	<10	<1	<0.01	12	<10	<1	29	3
18743	<0.2	0.10	<5	2	10	<0.5	<5	0.02	<1	93	443	1	6.04	<0.01	26.73	930	<2	<0.01	2126	60	6	5	4	<10	<1	<0.01	10	<10	<1	41	3
18744	<0.2	0.08	<5	1	10	<0.5	<5	0.01	<1	86	332	<1	5.58	<0.01	25.25	860	<2	<0.01	1995	50	4	5	3	<10	<1	<0.01	10	<10	<1	28	3
18745	<0.2	0.11	<5	1	10	<0.5	<5	0.02	<1	89	463	<1	5.76	<0.01	26.21	875	<2	<0.01	2086	60	4	5	4	<10	<1	<0.01	12	<10	<1	29	3
18746	<0.2	0.10	5	32	10	<0.5	<5	0.16	<1	65	838	9	4.38	<0.01	10.68	565	<2	<0.01	1644	50	4	10	2	<10	<1	<0.01	16	<10	<1	16	3
18747	<0.2	0.12	<5	29	10	<0.5	<5	0.04	<1	69	828	6	4.58	<0.01	12.10	685	<2	<0.01	1581	50	6	10	3	<10	<1	<0.01	21	<10	<1	23	3
18748	<0.2	0.12	<5	30	10	<0.5	<5	0.03	<1	60	762	6	4.45	<0.01	11.84	590	<2	<0.01	1502	40	4	10	3	<10	<1	<0.01	20	<10	<1	23	2
18749	<0.2	0.16	5	19	10	<0.5	<5	0.03	<1	61	829	8	4.41	<0.01	12.20	575	<2	<0.01	1574	40	2	10	3	<10	<1	<0.01	23	<10	<1	20	3
18750	<0.2	0.13	15	17	10	<0.5	<5	0.02	<1	56	758	10	4.16	<0.01	11.18	545	<2	<0.01	1461	40	2	10	3	<10	<1	<0.01	19	<10	<1	22	2
18800	<0.2	0.09	<5	12	10	<0.5	<5	0.02	<1	81	691	5	5.13	<0.01	20.86	805	<2	<0.01	2032	50	6	10	3	<10	<1	<0.01	15	<10	<1	23	3
18801	<0.2	0.16	5	13	10	<0.5	<5	0.12	<1	69	800	21	5.02	<0.01	17.91	685	<2	<0.01	1783	50	6	10	4	<10	<1	<0.01	18	<10	<1	19	3
18802	<0.2	0.24	5	11	10	<0.5	<5	0.13	<1	67	871	11	4.90	<0.01	15.78	655	<2	<0.01	1566	60	4	10	4	<10	<1	0.01	21	<10	<1	18	3
18803	<0.2	0.11	<5	10	10	<0.5	<5	0.09	<1	74	654	12	4.97	<0.01	18.12	780	<2	<0.01	1807	50	4	10	3	<10	<1	<0.01	15	<10	<1	18	3
18804	<0.2	0.10	<5	10	10	<0.5	<5	0.04	<1	79	584	10	5.28	<0.01	19.81	765	<2	<0.01	1877	60	4	10	3	<10	<1	<0.01	15	<10	<1	19	3
18805	<0.2	0.10	<5	16	10	<0.5	<5	0.05	<1	66	765	7	4.70	<0.01	14.05	630	<2	<0.01	1700	50	6	10	2	<10	<1	<0.01	16	<10	<1	17	3
18806	<0.2	0.16	5	13	10	<0.5	<5	0.05	<1	69	980	9	4.90	<0.01	14.46	655	<2	<0.01	1649	60	4	10	3	<10	<1	<0.01	20	<10	<1	19	3
18807	<0.2	0.13	<5	7	10	<0.5	<5	0.05	<1	60	744	31	4.49	<0.01	12.13	605	<2	<0.01	1566	40	4	10	3	<10	<1	<0.01	18	<10	<1	16	3
18808	<0.2	0.11	<5	10	10	<0.5	<5	0.06	<1	69	794	7	4.91	<0.01	14.47	705	<2	<0.01	1684	50	6	10	3	<10	<1	<0.01	19	<10	<1	23	3
18809	<0.2	0.12	<5	11	10	<0.5	<5	0.03	<1	72	654	27	4.80	<0.01	14.70	765	<2	<0.01	1721	50	8	10	3	<10	<1	<0.01	17	<10	<1	31	3
18810	<0.2	0.09	60	9	10	<0.5	<5	0.25	<1	65	555	2	4.25	<0.01	12.18	655	<2	<0.01	1590	40	6	10	2	<10	<1	<0.01	13	<10	<1	20	2
18811	<0.2	0.11	5	10	10	<0.5	<5	0.14	<1	67	599	5	4.69	<0.01	12.32	645	<2	<0.01	1586	50	6	10	3	<10	<1	<0.01	16	<10	<1	21	3
18812	<0.2	0.06	<5	15	10	<0.5	<5	0.07	<1	79	402	5	4.90	<0.01	16.42	765	<2	<0.01	1792	50	8	5	2	<10	<1	<0.01	11	<10	<1	21	3
18813	<0.2	0.06	<5	10	10	<0.5	<5	0.16	<1	78	459	3	4.88	<0.01	17.79	815	<2	<0.01	1788	50	6	5	3	<10	<1	<0.01	12	<10	<1	31	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: rock

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0535 RJ
Date : Dec-17-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
18814	<0.2	0.06	<5	8	10	<0.5	<5	0.30	<1	75	505	2	4.75	<0.01	16.47	750	<2	<0.01	1769	50	6	5	2	<10	<1	<0.01	13	<10	<1	22	3
18815	<0.2	0.05	<5	9	10	<0.5	<5	0.14	<1	74	427	2	4.86	<0.01	17.00	740	<2	<0.01	1774	50	8	5	2	<10	<1	<0.01	12	<10	<1	22	3
18816	<0.2	0.06	<5	12	10	<0.5	<5	0.20	<1	76	536	2	5.06	<0.01	17.79	765	<2	<0.01	1841	50	4	10	3	<10	<1	<0.01	14	<10	<1	24	3
18817	<0.2	0.14	5	20	10	<0.5	<5	0.14	<1	64	806	4	4.78	<0.01	12.88	610	<2	<0.01	1729	50	8	10	2	<10	<1	<0.01	16	<10	<1	26	3
18818	<0.2	0.07	<5	11	10	<0.5	<5	0.07	<1	73	542	11	5.13	<0.01	14.58	715	<2	<0.01	1652	50	6	10	3	<10	<1	<0.01	16	<10	<1	24	3
18819	<0.2	0.06	<5	12	10	<0.5	<5	0.04	<1	72	513	10	4.98	<0.01	13.52	745	<2	<0.01	1631	50	6	5	3	<10	<1	<0.01	15	<10	<1	21	3
18820	<0.2	0.11	<5	15	10	<0.5	<5	0.16	<1	71	548	10	5.16	<0.01	13.54	625	<2	<0.01	1610	60	8	5	3	<10	<1	<0.01	16	<10	<1	21	3
18821	<0.2	0.12	5	59	10	<0.5	<5	0.07	<1	69	831	5	4.51	<0.01	10.21	580	<2	<0.01	1631	50	6	10	3	<10	<1	<0.01	18	<10	<1	17	3
18822	<0.2	0.12	<5	57	10	<0.5	<5	0.10	<1	74	740	7	4.75	<0.01	15.66	720	<2	<0.01	1886	50	4	10	3	<10	<1	<0.01	18	<10	<1	27	3
18823	<0.2	0.15	<5	43	10	<0.5	<5	0.09	<1	72	587	7	4.53	<0.01	16.89	690	<2	<0.01	1794	50	4	10	3	<10	<1	<0.01	17	<10	<1	27	3
18824	<0.2	0.28	<5	20	20	<0.5	<5	0.27	<1	67	808	9	5.48	<0.01	14.40	605	<2	<0.01	1622	140	8	10	5	<10	<1	0.03	46	<10	1	28	5
18825	<0.2	0.11	<5	22	10	<0.5	<5	0.05	<1	81	608	7	5.05	<0.01	19.55	765	<2	<0.01	2012	50	6	10	3	<10	<1	<0.01	14	<10	<1	25	3
18826	<0.2	0.16	5	16	10	<0.5	<5	0.06	<1	71	911	6	4.91	<0.01	15.83	685	<2	<0.01	1742	60	8	10	3	<10	<1	0.01	20	<10	<1	22	3
18827	<0.2	0.10	45	20	10	<0.5	<5	0.19	<1	71	636	13	4.54	<0.01	16.00	645	<2	<0.01	1792	50	8	10	2	<10	<1	<0.01	14	<10	<1	19	3
18828	<0.2	0.16	5	17	10	<0.5	<5	0.06	<1	75	836	10	4.90	<0.01	16.01	770	<2	<0.01	1738	50	6	10	3	<10	<1	0.01	21	<10	<1	27	3
18829	<0.2	0.06	<5	10	10	<0.5	<5	0.34	<1	70	494	7	4.70	<0.01	17.70	695	<2	<0.01	1753	40	6	10	4	<10	<1	<0.01	11	<10	<1	19	3
18830	<0.2	0.06	<5	11	10	<0.5	<5	0.20	<1	76	479	8	4.78	<0.01	17.25	785	<2	<0.01	1856	50	6	5	3	<10	<1	<0.01	10	<10	<1	19	3
18831	<0.2	0.06	<5	38	20	<0.5	<5	0.21	<1	69	377	7	4.55	<0.01	13.38	660	<2	<0.01	1523	50	6	5	3	<10	<1	<0.01	10	<10	<1	18	3
18832	<0.2	0.05	<5	31	10	<0.5	<5	0.20	<1	62	367	2	4.24	<0.01	12.38	605	<2	<0.01	1460	40	6	5	3	<10	<1	<0.01	10	<10	<1	10	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assa[illegible] Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj
Project: Re-Runs
Sample: rock

Report No : 2V0045 PL
Date : Jan-28-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
18496	36.49	0.60	9.58	0.52	47.82	0.14	0.21	0.01	0.14	0.02	10	<10	<10	<5	5	2.91	98.43
18497	38.06	0.73	9.10	0.70	47.24	0.16	0.23	0.01	0.13	0.02	10	<10	<10	<5	5	2.70	99.10
18498	38.10	0.74	9.26	1.01	46.65	0.19	0.26	0.01	0.13	0.02	10	10	<10	<5	5	2.21	98.59
18499	41.64	0.79	8.63	0.91	44.60	0.20	0.28	0.01	0.13	0.01	10	10	10	<5	5	2.15	99.36
18500	41.19	0.87	8.93	0.79	44.67	0.21	0.29	0.02	0.13	0.02	10	10	<10	<5	5	1.71	98.81
18740	41.11	0.96	8.57	1.21	44.64	0.22	0.29	0.01	0.12	0.02	10	10	<10	<5	5	1.51	98.66
18741	38.30	0.75	9.58	0.91	47.02	0.22	0.28	0.01	0.14	0.02	10	<10	<10	<5	5	1.13	98.36
18742	43.52	0.61	8.60	0.66	44.52	0.21	0.28	0.01	0.12	0.02	10	10	<10	<5	5	1.02	99.57
18743	37.26	0.78	10.15	0.78	48.12	0.23	0.30	0.02	0.15	0.03	10	10	<10	<5	5	0.83	98.66
18744	39.22	0.81	9.24	1.13	46.77	0.21	0.29	0.02	0.13	0.02	10	10	<10	<5	5	1.34	99.19
18745	40.34	0.78	9.04	0.83	46.46	0.19	0.28	0.01	0.13	0.02	10	10	<10	<5	5	1.03	99.12
18746	37.34	1.10	8.44	0.25	40.80	0.19	0.29	0.02	0.10	0.03	10	10	<10	<5	5	10.00	98.57
18747	40.75	1.16	8.04	0.83	38.90	0.18	0.28	0.01	0.12	0.02	10	<10	<10	<5	5	8.65	98.93
18748	38.08	1.23	8.17	0.80	40.46	0.18	0.30	0.01	0.10	0.02	10	10	<10	<5	5	8.85	98.21
18749	38.33	1.30	7.92	0.41	40.30	0.18	0.31	0.02	0.10	0.02	10	10	<10	<5	5	9.49	98.37
18750	37.70	1.35	8.16	0.42	40.91	0.17	0.33	0.02	0.10	0.02	10	10	<10	<5	5	9.12	98.31
18800	40.07	0.64	8.29	0.57	42.83	0.18	0.33	0.01	0.12	0.02	10	<10	<10	<5	5	6.30	99.36
18801	40.39	1.02	8.02	0.86	40.86	0.17	0.32	0.01	0.10	0.01	10	<10	<10	<5	5	7.61	99.38
18802	39.77	1.41	7.98	0.71	39.77	0.17	0.32	0.04	0.10	0.02	10	<10	10	<5	5	8.15	98.44
18803	35.49	0.98	8.68	0.78	45.19	0.20	0.38	0.02	0.13	0.02	10	10	<10	<5	5	7.11	98.98
18804	38.82	0.77	8.67	0.34	42.77	0.18	0.36	0.02	0.12	0.03	10	10	<10	<5	5	6.49	98.56
18805	40.49	0.87	7.77	0.28	39.46	0.17	0.38	0.01	0.10	0.02	10	10	<10	<5	5	8.97	98.52
18806	41.49	1.12	7.99	0.83	38.76	0.17	0.39	0.03	0.10	0.02	10	10	<10	<5	5	8.40	99.30
18807	37.90	1.16	8.43	0.48	42.25	0.16	0.41	0.01	0.11	0.03	10	10	<10	<5	5	8.64	99.59
18808	38.06	0.96	8.70	0.47	41.43	0.01	0.18	0.01	0.12	0.02	10	<10	<10	<5	5	8.36	98.32
18809	39.62	1.05	8.50	0.78	40.15	0.02	0.25	0.02	0.13	0.01	10	<10	<10	<5	5	8.45	98.99
18810	40.00	0.84	7.91	0.39	37.91	0.01	0.23	0.01	0.12	0.01	10	<10	<10	<5	5	11.20	98.64
18811	37.46	1.14	8.94	0.37	39.80	0.03	0.31	0.02	0.12	0.01	10	<10	<10	<5	5	10.26	98.47
18812	38.68	0.73	8.97	0.14	41.02	0.01	0.31	0.01	0.13	0.02	10	<10	<10	<5	5	9.50	99.52
18813	39.00	0.63	8.58	0.28	41.45	<0.01	0.32	0.01	0.13	0.02	10	<10	<10	<5	5	8.17	98.60

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 2V0045 PL
Date : Jan-28-02

Leader Mining International Inc
Attention: Jasi Nikhanj
Project: Re-Runs
Sample: rock

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
18814	37.90	0.78	8.45	0.47	41.79	<0.01	0.31	0.01	0.12	0.01	10	<10	<10	<5	5	8.66	98.51
18815	35.45	0.71	9.05	0.22	45.28	<0.01	0.36	0.01	0.13	0.01	10	<10	<10	<5	5	7.59	98.82
18816	39.28	0.62	8.46	0.30	41.41	<0.01	0.33	0.01	0.12	0.01	10	<10	<10	<5	5	8.60	99.15
18817	40.44	0.99	7.90	0.21	38.98	<0.01	0.26	0.02	0.11	0.01	10	<10	<10	<5	5	10.69	99.60
18818	36.01	0.84	9.54	0.19	42.71	<0.01	0.34	0.02	0.13	0.02	10	10	<10	<5	5	9.52	99.32
18819	37.83	0.77	9.12	0.08	41.50	<0.01	0.28	0.01	0.13	0.01	20	<10	<10	<5	5	9.29	99.03
18820	40.29	0.73	9.01	0.24	38.49	<0.01	0.22	0.01	0.11	0.01	10	<10	<10	<5	5	9.73	98.84
18821	39.56	0.93	8.19	0.21	37.88	<0.01	0.22	0.01	0.12	0.01	10	<10	<10	<5	5	11.48	98.62
18822	40.00	0.99	7.96	0.53	39.01	<0.01	0.21	0.02	0.12	0.01	10	<10	<10	<5	5	9.99	98.83
18823	39.39	1.00	7.70	0.41	40.19	<0.01	0.15	0.02	0.11	0.01	10	<10	<10	<5	5	9.39	98.37
18824	39.61	1.56	9.14	1.51	38.09	<0.01	0.15	0.25	0.11	0.03	10	10	20	<5	5	8.87	99.32
18825	37.55	1.03	8.93	0.56	43.52	<0.01	0.16	0.02	0.13	0.01	10	<10	<10	<5	5	7.55	99.45
18826	39.03	1.08	9.15	1.07	39.20	<0.01	0.09	0.02	0.12	0.01	10	<10	<10	<5	5	8.39	98.16
18827	32.87	1.09	8.91	0.44	46.17	<0.01	0.16	0.02	0.12	0.02	10	10	<10	<5	5	9.52	99.32
18828	38.99	1.21	8.63	1.38	41.61	<0.01	0.07	0.03	0.13	0.01	10	<10	<10	<5	5	7.59	99.65
18829	35.77	0.66	8.70	0.53	42.52	<0.01	0.06	0.01	0.12	0.02	10	<10	<10	<5	5	10.93	99.30
18830	35.52	0.70	9.00	0.31	41.82	<0.01	<0.01	0.01	0.13	0.02	10	<10	<10	<5	5	10.86	98.38
18831	33.70	0.63	8.81	0.40	40.63	<0.01	<0.01	0.01	0.12	0.02	20	10	<10	<5	5	14.58	98.89
18832	37.28	0.68	7.91	0.32	38.33	<0.01	<0.01	0.01	0.11	<0.01	10	<10	<10	<5	5	14.48	99.13

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Leader Mining International Inc. PROJECT 345 File # A200099

810 - 400 - 5th Ave S.W., Calgary AB T2P 0L6 Submitted by: Craig Payne

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	B* ppm
18901	1	4	19	30	.4	1916	93	756	4.42	9	10	<2	<2	1	.4	3	<3	1	.09	.003	<1	507	16.86	9	<.01	7	.18	.01	<.01	<2	<1
18902	<1	6	9	16	.3	1905	95	747	4.37	6	<8	<2	<2	1	.2	3	<3	<1	.03	.003	<1	554	16.97	4	<.01	9	.21	.01	<.01	<2	<1
18903	1	2	12	21	.4	2190	96	795	4.12	9	11	<2	<2	<1	<.2	<3	<3	<1	.02	.003	<1	494	20.09	3	<.01	7	.12	<.01	<.01	<2	<1
18904	1	3	6	22	<.3	2029	122	935	4.95	9	<8	<2	<2	1	.3	<3	<3	5	.12	.003	1	1267	18.53	5	<.01	22	.41	<.01	<.01	<2	7
18905	<1	6	7	30	.3	1227	87	857	4.55	11	<8	<2	<2	1	.2	3	<3	3	.03	.004	1	659	11.28	12	.01	12	.41	.01	<.01	<2	<1
18906	<1	5	8	4	.3	546	22	83	1.01	3	<8	<2	<2	8	<.2	<3	4	50	.32	.054	1	814	6.16	4	.02	<3	1.92	.01	<.01	<2	<1
18907	1	2	9	30	<.3	2021	93	894	3.91	8	<8	<2	<2	<1	<.2	<3	<3	<1	.02	.003	<1	615	19.83	2	<.01	8	.20	.01	<.01	<2	4
18908	1	2	12	13	.3	2084	101	801	4.49	9	<8	<2	<2	<1	.3	3	6	<1	.02	.003	<1	1022	19.73	3	<.01	24	.20	<.01	<.01	<2	1
STANDARD OS3/LIB-10	10	119	33	145	.4	36	13	802	3.12	33	14	<2	4	27	5.5	5	5	74	.53	.092	17	184	.57	149	.09	3	1.67	.04	.16	5	2082

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
B* BY NA2O2 FUSION, ANALYSIS BY ICP-MS.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150

DATE RECEIVED: JAN 11 2002 DATE REPORT MAILED: Jan 22/02 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Leader Mining International Inc. PROJECT 345 File # A200099

810 - 400 - 5th Ave S.W., Calgary AB T2P 0L6 Submitted by: Craig Payne

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
18901	40.10	.74	8.43	43.41	.28	.01	<.02	.02	.08	.11	.368	19	2205	<10	<10	<10	<10	9	5.9	.08	.05	99.74
18902	40.48	.69	8.34	43.07	.72	.01	<.02	.02	.09	.11	.351	9	2212	<10	<10	<10	<10	8	5.7	.02	<.01	99.88
18903	38.99	.48	9.15	47.83	.07	<.01	<.02	.03	.07	.13	1.095	8	2581	<10	<10	<10	<10	4	1.5	.04	.05	99.69
18904	39.23	1.09	8.89	43.54	.19	<.01	<.02	.02	.06	.12	.276	11	2196	<10	<10	<10	<10	7	6.2	.12	<.01	99.91
18905	40.70	1.25	9.34	36.08	.25	.06	.02	.03	.05	.16	.324	17	1827	<10	<10	<10	<10	7	11.4	.07	.02	99.91
18906	41.05	8.78	4.10	26.78	9.71	.16	.02	.38	.20	.05	.222	10	1086	48	18	<10	<10	35	8.2	.06	<.01	99.81
18907	40.45	.77	7.67	47.35	.87	<.01	.02	.02	.06	.13	.376	5	2274	<10	<10	<10	<10	7	1.9	.03	.15	99.91
18908	39.22	.41	8.07	45.91	.04	<.01	<.02	.02	.07	.11	.430	6	2331	<10	<10	<10	<10	8	5.3	.05	<.01	99.89
STANDARD SO-17/CSB	61.26	13.96	5.81	2.33	4.65	4.10	1.39	.68	1.03	.53	.441	399	30	304	374	23	16	23	3.4	2.43	5.41	99.72

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150

DATE RECEIVED: JAN 11 2002 **DATE REPORT MAILED:** Jan 22/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Leader Mining International Inc. PROJECT 345 File # A200100

810 - 400 - 5th Ave S.W., Calgary AB T2P 0L6 Submitted by: Craig Peyne

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
S1	.78	1.27	2.48	3.2	47	.5	.1	13	.070	2.6	<.10	1.0	<.1	5.0	.04	.15	.02	<2	.180	.001	<.5	4.2	.01	9.4	.001	<1	.020	.800	.010	.75	.1	<.01	<5	.1	<.02	.1	30
17462	142.60	4.69	3.77	50.4	66	4.3	9.2	689	3.620	3.5	.50	.4	1.5	62.1	<.01	.11	.13	119	1.000	.063	4.7	10.7	1.02	218.6	.229	<1	2.210	.274	.600	7.89	2.7	.13	.19	<5	.2	<.02	6.4	30
STANDARD DS3	9.05	123.33	34.07	151.1	266	33.8	11.4	826	3.180	28.3	5.30	20.0	3.7	28.2	5.33	5.06	5.32	75	.540	.092	15.4	178.7	.58	137.1	.092	2	1.680	.030	.160	3.77	2.7	1.16	.02	214	1.3	1.04	5.9	30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150

DATE RECEIVED: JAN 11 2002 **DATE REPORT MAILED:** Jan 23/02 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Crest Geological Consulting PROJECT UM File # A104109
2197 Park Crescent, Coquitlam BC V3J 6T1 Submitted by: Peter A. Christopher

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	B* ppm
C 15007	2	7	11	26	<.3	2362	124	1101	5.64	8	<8	6	<2	1	.2	<3	5	<1	.03	.004	<1	465	24.15	1	<.01	6	.12	.01	<.01	<2	25
C 15008	<1	5	5	22	<.3	2399	123	1054	5.57	7	<8	7	<2	1	<.2	<3	8	<1	.01	.003	<1	511	23.68	2	<.01	<3	.13	.01	<.01	<2	15
C 15009	<1	1	6	27	<.3	2426	121	1070	5.16	5	8	3	<2	1	<.2	<3	<3	<1	.03	.002	<1	261	25.42	1	<.01	<3	.05	.01	<.01	<2	13
C 15010	2	8	4	22	<.3	2359	122	1082	5.58	10	<8	6	<2	<1	.2	<3	<3	1	.01	.002	<1	564	22.66	2	<.01	3	.15	.01	<.01	<2	18
C 15011	<1	3	4	17	<.3	1921	105	865	4.92	14	8	7	<2	2	.2	<3	<3	4	.25	.002	<1	780	18.07	2	<.01	9	.23	.01	<.01	<2	11
C 15012	<1	2	<3	17	<.3	2025	107	1003	5.13	6	13	5	<2	2	<.2	<3	5	4	.26	.003	<1	1046	20.24	2	<.01	13	.26	.01	<.01	<2	18
RE C 15012	1	1	<3	16	<.3	1987	106	981	5.03	7	16	6	<2	2	<.2	<3	<3	6	.26	.003	<1	1035	19.88	2	<.01	12	.26	.01	<.01	<2	13
STANDARD DS3/LIB-10	10	123	38	151	<.3	37	12	786	3.10	32	11	<2	3	26	5.6	6	9	75	.50	.093	17	181	.58	150	.08	<3	1.74	.04	.16	6	2041

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C B* BY NA2O2 FUSION, ANALYSIS BY ICP-MS.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2001 DATE REPORT MAILED: Nov 30/01 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Crest Geological Consulting PROJECT UM File # A104109
2197 Park Crescent, Coquitlam BC V3J 6T1 Submitted by: Peter A. Christopher

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
C 15007	40.44	.37	9.18	46.59	.30	.03	.02	.02	.07	.14	.432	<5	2126	<10	<10	<10	<10	5	2.0	.03	.04	99.86
C 15008	40.31	.43	8.85	46.46	.12	.01	<.02	.02	.06	.13	.400	6	2084	<10	<10	<10	<10	5	2.8	.03	.07	99.87
C 15009	40.21	.13	8.69	49.56	.28	<.01	<.02	.01	.06	.14	.420	<5	2206	<10	<10	<10	<10	3	.1	.03	.05	99.89
C 15010	40.73	.46	9.00	45.58	.30	<.01	<.02	.01	.05	.13	.358	<5	2017	<10	<10	<10	<10	4	3.0	.03	.13	99.88
C 15011	40.31	.64	8.49	42.55	.61	<.01	<.02	.02	.06	.12	.336	6	1843	<10	<10	<10	<10	8	6.5	.17	.01	99.88
C 15012	39.93	.62	8.29	43.62	.43	.02	<.02	.02	.05	.13	.323	5	1848	<10	12	<10	<10	6	6.3	.24	.01	99.98
RE C 15012	40.01	.63	8.21	43.72	.44	<.01	<.02	.02	.05	.12	.318	<5	1886	<10	<10	<10	<10	7	6.1	.24	.01	99.87
STANDARD SO-17/CSB	61.38	14.08	5.82	2.34	4.66	4.10	1.35	.62	.95	.53	.428	399	26	299	357	26	28	22	3.4	2.44	5.38	99.80

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2001 **DATE REPORT MAILED:** Nov 30/01 **SIGNED BY:** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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APPENDIX II

CORE DRILLING DATA

AND

CORE ANALYTICAL CERTIFICATES

Cre[illegible]eological Consultants — LEADER MINING I[illegible]ERNATIONAL INC. — COGBURN [illegible]ROJECT 345

D R I L L H O L E S U M M A R Y

Drill Hole Number	Claim Name	UTME	UTMN	Elevation metres	EOH metres	DIP/ AZIMUTH	Core Size	Overburden metres	Remarks
CR01-01	PD 18	591912	5486627	770	50.6	-90	NQ THIN WALL	3.1	Hole completed
CR01-02	COG 7	591509	5486317	830	50.6	-90	NQ THIN WALL	6.1	Hole completed
CR01-03	COG 7	591320	5486113	855	50.6	-90	NQ THIN WALL	15.2	Hole completed
CR01-04	PT 4	592733	5485618	925	50.6	-90	NQ THIN WALL	6.1	Hole completed
CR01-05	COG 7	592621	5485505	980	50.6	-90	NQ THIN WALL	9.1	Hole completed
CR01-06	COG 7	592465	5485380	1020	50.6	-90	NQ THIN WALL	3.1	Hole completed
CR01-07	COG 2	595624	5483945	920	50.6	-60/232°	NQ THIN WALL	5.8	Hole completed
CR01-08	COG 1	595455	5483801	990	150.0	-90	NQ THIN WALL	6.1	Hole completed
CR01-09	COG 1	595370	5483753	1018	46.6	-90	NQ THIN WALL	1.2	Broken bit
CR01-10	COG 2	595869	5483680	895	50.6	-60/232°	NQ THIN WALL	4.5	Hole completed
CR01-11	COG 2	595758	5483628	945	50.6	-90	NQ THIN WALL	25.9	Hole completed
CR01-12	COG 1	595554	5483432	1060	50.6	-90	NQ THIN WALL	3.7	Hole completed
CR01-13	COG 2	596331	5483537	865	10.7	-90	NQ THIN WALL	10.7	Stopped in overburden
CR01-14	COG 2	596143	5483411	890	——	——	NQ THIN WALL		Hole not drilled
CR01-15	COG 2	596049	5483368	920	150.0	-90	NQ THIN WALL	16.8	Hole completed
CR01-16	COG 2	596774	5483496	885	16.8	-90	NQ THIN WALL	16.8	Stopped in overburden
CR01-17	COG 2	596862	5483100	900	38.1	-90	NQ THIN WALL	38.1	Stopped in overburden
CR01-18	COG 4	597371	5482840	1048	50.6	-90	NQ THIN WALL	9.1	Hole completed
CR01-19	COG 4	597210	5482689	984	36.9	-90	NQ THIN WALL	36.9	Stopped in overburden
CR01-20	COG 4	597814	5482733	1078	50.6	-90	NQ THIN WALL	20.1	Hole completed
CR01-21	COG 4	597525	5482499	1022	50.6	-90	NQ THIN WALL	36.0	Hole completed
CR01-22	COG 1	595153	5483954	1005	50.6	-90	NQ THIN WALL	3.1	Hole completed
CR01-23	COG 1	595293	5483874	998	50.6	-90	NQ THIN WALL	4.6	Hole completed
CR01-24	COG 1	595463	5483579	1042	50.6	-90	NQ THIN WALL	6.1	Hole completed
CR01-25	COG 1	595612	5483712	965	50.6	-90	NQ THIN WALL	9.1	Hole completed
CR01-26	COG 2	595743	5483818	905	50.6	-60/232°	NQ THIN WALL	11.0	Hole completed
				Total (m)	1359.9				

CREST *Geological Consultants Ltd.*

COGBURN PROPERTY

TABLE 6: DRILLHOLE SUMMARY - EMORY ZONE

Drillhole No.	From(m)	To(m)	Length(m)	MgO%	Mg%	Fe2O3%	Fe%	CaO%	Ca%	S%	B ppm	Ni ppm
Cr01-07	**5.8**	**50.6**	**44.8**	**41.08**	**24.77**	**8.70**	**6.09**	**0.12**	**0.09**	**1.89**	**6**	**2099**
incl	14.0	16.0	2.0	43.48	26.22	12.01	8.40	0.10	0.07	0.99	5	2186
incl	24.0	26.0	2.0	47.10	28.40	9.25	6.47	0.09	0.06	0.74	1	2326
incl	32.0	44.0	12.0	45.71	27.57	8.77	6.14	0.04	0.03	1.55	2	2370
Cr01-08	**6.1**	**150.6**	**144.5**	**43.27**	**26.10**	**8.36**	**5.85**	**0.20**	**0.14**	**1.52**	**10**	**2110**
incl	6.1	48.0	41.9	46.66	28.14	7.97	5.57	0.20	0.14	0.28	3	2274
incl	50.0	52.0	2.0	43.28	26.10	7.78	5.44	0.03	0.02	0.73	16	2367
incl	56.0	60.0	4.0	43.00	25.93	7.93	5.54	0.05	0.04	1.34	14	2246
incl	70.0	72.0	2.0	46.26	27.90	7.57	5.29	0.04	0.03	2.07	25	2187
incl	74.0	110.0	36.0	44.84	27.04	8.62	6.03	0.17	0.12	1.05	13	2162
incl	114.0	118.0	4.0	43.14	26.01	8.72	6.10	0.09	0.06	0.93	5	2108
incl	120.0	124.0	4.0	43.54	26.25	8.16	5.70	0.65	0.46	0.55	2	2097
incl	128.0	138.0	10.0	43.92	26.48	8.41	5.88	0.07	0.05	1.87	2	2099
incl	144.0	146.0	2.0	43.55	26.26	7.20	5.04	0.95	0.68	3.73	10	1945
Cr01-09	**1.2**	**46.6**	**45.4**	**43.27**	**26.09**	**8.37**	**5.86**	**0.25**	**0.18**	**1.11**	**12**	**1940**
incl	1.2	10.0	8.8	44.08	26.58	7.63	5.34	0.09	0.06	0.51	7	1960
incl	14.0	28.0	14.0	45.67	27.54	9.11	6.37	0.30	0.22	0.21	5	1996
incl	32.0	38.0	6.0	43.16	26.03	7.91	5.53	0.05	0.03	2.08	43	2095
incl	40.0	44.0	4.0	45.33	27.34	7.78	5.44	0.04	0.03	0.40	8	1966
Cr01-10	**4.5**	**32.0**	**27.5**	**19.51**	**11.76**	**7.76**	**5.43**	**4.76**	**3.40**	**0.38**	**2**	**865**
Cr01-11	**25.9**	**50.6**	**24.7**	**36.49**	**22.00**	**9.36**	**6.55**	**3.01**	**2.15**	**0.74**	**2**	**1717**
incl	28.0	30.0	2.0	43.90	26.47	8.75	6.12	0.24	0.17	0.50	1	1910
incl	38.0	44.0	6.0	43.01	25.93	9.33	6.53	1.15	0.82	0.58	1	2077
incl	48.0	50.6	2.0	44.90	27.08	9.11	6.37	0.86	0.61	0.45	1	2073
Cr01-12	**3.7**	**50.6**	**46.9**	**35.74**	**21.55**	**8.10**	**5.67**	**0.48**	**0.34**	**1.06**	**6**	**1779**
incl	3.7	8.0	4.3	44.67	26.94	8.80	6.16	0.05	0.03	0.88	4	1807
incl	42.0	44.0	2.0	43.55	26.26	8.40	5.88	0.10	0.07	2.16	7	2165
Cr01-15	**16.8**	**151.2**	**134.4**	**44.73**	**26.97**	**9.07**	**6.35**	**1.00**	**0.71**	**0.36**	**5**	**2135**
incl	16.8	19.0	2.2	42.64	25.71	8.72	6.10	1.11	0.79	0.01	19	1459
incl	25.0	151.2	126.2	44.95	27.10	9.11	6.37	0.99	0.70	0.38	5	2172
Cr01-22	**3.1**	**50.6**	**47.6**	**42.19**	**25.44**	**7.79**	**5.45**	**0.73**	**0.52**	**0.07**	**5**	**1847**
incl	7.0	13.0	6.0	43.16	26.03	8.37	5.86	0.76	0.55	0.01	3	1806
incl	15.0	17.0	2.0	42.34	25.53	8.16	5.71	0.68	0.49	0.01	5	1872
incl	19.0	35.0	16.0	44.56	26.87	8.06	5.64	0.70	0.50	0.02	6	2026
incl	45.0	50.6	5.6	44.34	26.74	8.17	5.71	0.59	0.42	0.02	7	1917
Cr01-23	**4.6**	**50.6**	**46.0**	**41.30**	**24.90**	**8.90**	**6.22**	**0.11**	**0.08**	**1.88**	**12**	**2178**
incl	4.6	22.0	17.4	43.41	26.18	8.41	5.88	0.15	0.11	1.65	7	2148
incl	26.0	28.0	2.0	42.02	25.34	8.27	5.78	0.13	0.09	1.60	12	2143
incl	34.0	36.0	2.0	42.19	25.44	8.89	6.22	0.15	0.11	4.34	10	2032
incl	40.0	44.0	4.0	44.31	26.72	8.28	5.79	0.03	0.02	2.96	10	2247
incl	48.0	50.6	2.0	46.83	28.24	8.47	5.92	0.15	0.11	0.03	3	2321
Cr01-24	**6.1**	**50.6**	**44.5**	**41.10**	**24.78**	**8.11**	**5.68**	**0.04**	**0.03**	**2.07**	**2**	**2027**
incl	14.0	18.0	4.0	44.10	26.59	8.52	5.96	0.06	0.04	0.76	3	2345
incl	20.0	22.0	2.0	44.72	26.97	8.43	5.90	0.13	0.09	1.66	3	2143
incl	24.0	28.0	4.0	45.80	27.62	8.62	6.03	0.03	0.02	1.41	2	2126
incl	34.0	38.0	4.0	43.73	26.37	8.22	5.75	0.03	0.02	3.47	3	2038
incl	48.0	50.6	2.0	46.16	27.84	7.79	5.45	0.05	0.04	3.73	2	2240
Cr01-25	**9.1**	**50.6**	**41.9**	**34.66**	**20.90**	**8.59**	**6.01**	**0.21**	**0.15**	**2.16**	**1**	**1789**
incl	23.0	25.0	2.0	42.33	25.53	8.42	5.89	1.14	0.81	0.38	1	1984
Cr01-26	**11.0**	**50.6**	**39.6**	**29.35**	**17.70**	**7.03**	**4.91**	**0.95**	**0.68**	**0.06**	**1**	**1706**

Hole averages (in bold) include the entire drilled subsurface intervals, regardless of lithology or grade.

Inclusive (incl) intervals use a 42 wt% MgO cut off, but may include occasional 1 metre intervals from 40 to 42 wt% MgO.

TABLE 7: DRILLHOLE SUMMARY - DAIOFF AREA

Hole No.	From(m)	To(m)	Length(m)	MgO%	Mg%	Fe2O3%	Fe%	CaO%	Ca%	S %	B ppm	Ni ppm
Cr01-18	**9.1**	**50.6**	**41.5**	**37.36**	**22.53**	**6.77**	**4.74**	**0.47**	**0.34**	**0.07**	**10**	**1446**
incl	29.0	31.0	2.0	43.24	26.07	7.60	5.32	0.04	0.03	0.01	20	1688
Cr01-20	**20.1**	**50.6**	**30.5**	**23.97**	**14.45**	**7.13**	**4.99**	**4.22**	**3.02**	**0.06**	**1**	**486**
Cr01-21	**36.0**	**50.6**	**14.6**	**48.24**	**29.09**	**8.05**	**5.63**	**0.75**	**0.54**	**0.01**	**3**	**2327**

Hole averages (in bold) include the entire drilled subsurface intervals, regardless of lithology or grade.
Inclusive (incl) intervals use a 42 wt% MgO cut off, but may include occasional 1 metre intervals from 40 to 42 wt% MgO.

TABLE 8: DRILLHOLE SUMMARY - TEUTON AREA

Drillhole No.	From(m)	To(m)	Length(m)	MgO%	Mg%	Fe2O3%	Fe%	CaO%	Ca%	S %	B ppm	Ni ppm
Cr01-01	**5.0**	**50.6**	**47.6**	**43.03**	**25.95**	**8.56**	**5.99**	**1.18**	**0.84**	**0.01**	**8**	**1999**
incl	5.0	7.0	2.0	43.22	26.06	8.39	5.87	1.59	1.14	0.01	9	1954
incl	11.0	13.0	2.0	44.17	26.64	8.71	6.09	0.52	0.37	0.01	10	2114
incl	15.0	27.0	12.0	43.11	26.00	8.59	6.01	0.87	0.62	0.01	9	1973
incl	29.0	39.0	10.0	43.54	26.25	8.64	6.04	1.39	0.99	0.01	7	1933
incl	41.0	50.6	9.6	44.13	26.61	8.84	6.18	0.88	0.63	0.01	5	2102
Cr01-02	**6.1**	**50.6**	**44.5**	**41.26**	**24.88**	**8.54**	**5.97**	**1.23**	**0.88**	**0.01**	**14**	**1980**
incl	10.0	16.0	6.0	44.79	27.01	9.01	6.30	1.15	0.82	0.01	12	2163
incl	30.0	32.0	2.0	46.56	28.08	9.16	6.41	0.10	0.07	0.01	12	2339
incl	40.0	50.6	10.6	43.15	26.02	8.75	6.12	0.82	0.59	0.01	13	2090
Cr01-03	**15.2**	**50.6**	**35.4**	**42.80**	**25.81**	**8.29**	**5.80**	**1.03**	**0.74**	**0.01**	**9**	**2078**
incl	15.2	25.0	9.8	43.48	26.22	8.33	5.82	0.69	0.50	0.01	9	2089
incl	29.0	33.0	4.0	42.43	25.58	8.43	5.90	1.67	1.19	0.01	8	1896
incl	35.0	37.0	2.0	42.13	25.41	8.20	5.74	0.70	0.50	0.01	10	2130
incl	39.0	49.0	10.0	44.83	27.03	8.57	5.99	0.89	0.63	0.01	9	2229
Cr01-04	**6.1**	**50.6**	**44.5**	**42.77**	**25.79**	**8.76**	**6.13**	**1.00**	**0.71**	**0.01**	**4**	**2116**
incl	6.1	8.0	1.9	44.35	26.74	8.88	6.21	1.38	0.99	0.01	3	1957
incl	10.0	12.0	2.0	42.46	25.60	8.26	5.78	1.04	0.74	0.01	4	2011
incl	14.0	16.0	2.0	42.08	25.38	9.25	6.47	1.50	1.07	0.01	9	2140
incl	22.0	40.0	18.0	44.15	26.62	8.90	6.23	1.23	0.88	0.01	2	2098
incl	44.0	50.6	6.6	42.56	25.67	8.72	6.10	0.58	0.41	0.01	2	2205
Cr01-05	**9.1**	**50.6**	**41.5**	**40.40**	**24.36**	**8.57**	**6.00**	**1.14**	**0.81**	**0.01**	**4**	**1924**
incl	9.1	11.0	1.9	44.23	26.67	9.48	6.63	0.23	0.16	0.01	2	2167
incl	13.0	15.0	2.0	43.03	25.95	9.15	6.40	1.50	1.07	0.02	3	1950
incl	33.0	35.0	2.0	42.37	25.55	9.10	6.36	1.02	0.73	0.01	5	1983
Cr01-06	**3.1**	**50.3**	**47.2**	**41.93**	**25.29**	**8.96**	**6.27**	**1.52**	**1.08**	**0.01**	**3**	**1926**
incl	3.1	7.0	4.0	42.60	25.69	9.20	6.44	1.24	0.89	0.01	3	2050
incl	11.0	13.0	2.0	42.12	25.40	9.17	6.41	1.29	0.92	0.01	3	1957
incl	17.0	19.0	4.0	43.06	25.96	8.83	6.17	1.54	1.10	0.01	3	1950
incl	23.0	29.0	6.0	43.39	26.17	9.52	6.66	1.46	1.05	0.01	2	1949
incl	33.0	35.0	2.0	43.67	26.33	9.08	6.35	0.76	0.54	0.01	3	2094
incl	37.0	50.3	13.3	43.30	26.11	9.12	6.38	1.54	1.10	0.01	3	1936

Hole averages (in bold) include the entire drilled subsurface intervals, regardless of lithology or grade.
Inclusive (incl) intervals use a 42 wt% MgO cut off, but may include occasional 1 metre intervals from 40 to 42 wt% MgO.

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C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-01 — **DRILL HOLE COORDINATES (NAD83): 591912E, 5486627N**

DATE: 08-Dec-01 — **ELEVATION (m): 770**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: PD 18**

Sample No.	From (m)	To (m)	Length (m)	Comments
2436	3.05	5.00	1.95	greenish black serpentenite, fracturing
2437	5.00	7.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2438	7.00	9.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2439	9.00	11.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2440	11.00	13.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2441	13.00	15.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2442	15.00	17.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2443	17.00	19.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2444	19.00	21.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2445	21.00	23.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2446	23.00	25.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2447	25.00	27.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2448	27.00	29.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2449	29.00	31.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2450	31.00	33.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2451	33.00	35.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2452	35.00	37.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2453	37.00	39.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2454	39.00	41.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2455	41.00	43.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2456	43.00	45.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2457	45.00	47.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2458	47.00	49.00	2.00	greenish black serpentenite, fracturing, medium grained, strongly magnetic
2459	49.00	50.60	1.60	greenish black serpentenite, fracturing, medium grained, strongly magnetic
				E.O.H.
2459A	49.00	50.60	1.60	ACME SPLIT SAMPLE
2443 SG				@ 19m - SG
2458 SG				@ 49m - SG

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-01

DATE: 08-Dec-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 591912E, 5486627N

ELEVATION (m): 770

LENGTH (m): 50.6

CLAIM NAME: PD 18

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	3.05						overburden, casing								
3.05	4.88	1.83	1.83	100.0	0.98	53.6									
4.88	7.92	3.04	2.90	95.4	1.78	61.4									
7.92	10.97	3.05	2.92	95.7	1.44	49.3									
10.97	14.02	3.05	2.93	96.1	2.14	73.0									
14.02	17.07	3.05	2.99	98.0	1.53	51.2									
17.07	20.12	3.05	2.89	94.8	1.83	63.3									
20.12	23.16	3.04	2.95	97.0	1.26	42.7	fractured								
23.16	26.21	3.05	2.69	88.2	1.00	37.2									
26.21	29.26	3.05	2.89	94.8	1.70	58.8									
29.26	32.31	3.05	3.00	98.4	1.43	47.7									
32.31	35.36	3.05	2.87	94.1	1.53	53.3									
35.36	38.40	3.04	3.04	100.0	1.83	60.2									
38.40	41.45	3.05	2.94	96.4	1.67	56.8									
41.45	44.50	3.05	3.04	99.7	2.29	75.3									
44.50	47.55	3.05	3.05	100.0	2.42	79.3									
47.55	50.60	3.05	2.89	94.8	2.35	81.3									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-02 — **DRILL HOLE COORDINATES (NAD83): 591509E, 5486317N**

DATE: 08-Dec-01 — **ELEVATION (m): 830**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 7**

Sample No.	From (m)	To (m)	Length (m)	Comments
2460	6.10	8.00	1.90	greenish, black serpentenite, medium grained, fractured, magnetic
2461	8.00	10.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2462	10.00	12.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2463	12.00	14.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2464	14.00	16.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2465	16.00	18.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2466	18.00	20.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2467	20.00	22.00	2.00	greenish, black serpentenite, medium grained, fractured, magnetic
2468	22.00	24.00	2.00	23.7m contact with brown fine grained meta-sediment
2469	24.00	26.00	2.00	to 25.8m gouge, fractured serpentenite
2470	26.00	28.00	2.00	gouge, fractured serpentenite
2471	28.00	30.00	2.00	gouge, fractured serpentenite
2472	30.00	32.00	2.00	gouge, fractured serpentenite
2473	32.00	34.00	2.00	gouge, fractured serpentenite, breccia zone
2474	34.00	36.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2475	36.00	38.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2476	38.00	40.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2477	40.00	42.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2478	42.00	44.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2479	44.00	46.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2480	46.00	48.00	2.00	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
2481	48.00	50.60	2.60	greenish-black, bladed serpentenite, medium grained, moderately magnetic w/diss. magnetite and chromite
				E.O.H.
2480A	46.00	48.00	2.00	ACME SPLIT SAMPLE
2470 SG				@ 26m SG SAMPLE
2479 SG				@ 44m SG SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-02

DATE: 08-Dec-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 591509E, 5486317N

ELEVATION (m): 830

LENGTH (m): 50.6

CLAIM NAME: COG 7

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	6.10						overburden, casing								
6.10	7.92	1.82	1.36	74.7	0.13	9.6	fractured								
7.92	10.97	3.05	3.02	99.0	1.16	38.4									
10.97	14.02	3.05	2.93	96.1	1.42	48.5									
14.02	17.07	3.05	2.71	88.9	1.54	56.8	gouge								
17.07	20.12	3.05	2.82	92.5	1.02	36.2									
20.12	23.16	3.04	2.88	94.7	1.03	35.8									
23.16	26.21	3.05	2.34	76.7	0.40	17.1	fractured								
26.21	29.26	3.05	2.79	91.5	0.97	34.8									
29.26	32.31	3.05	2.83	92.8	1.48	52.3									
32.31	35.36	3.05	3.05	100.0	0.83	27.2									
35.36	38.40	3.04	3.05	100.3	1.33	43.6									
38.40	41.45	3.05	2.89	94.8	0.98	33.9	fractured								
41.45	44.50	3.05	3.00	98.4	1.10	36.7									
44.50	47.55	3.05	2.95	96.7	1.46	49.5									
47.55	50.60	3.05	3.05	100.0	1.60	52.5									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-03 — DRILL HOLE COORDINATES (NAD83): 591320E, 5486113N
DATE: 09-Dec-01 — ELEVATION (m): 855
AZIMUTH: DIP: -90° — LENGTH (m): 50.6
CORE SIZE: NQ Thin Wall — CLAIM NAME: COG 7

Sample No.	From (m)	To (m)	Length (m)	Comments
2482	15.24	17.00	1.76	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2483	17.00	19.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2484	19.00	21.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing, coarse bladed serpentinite
2485	21.00	23.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2486	23.00	25.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2487	25.00	27.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2488	27.00	29.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2489	29.00	31.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2490	31.00	33.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2491	33.00	35.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2492	35.00	37.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2493	37.00	39.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2494	39.00	41.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2495	41.00	43.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2496	43.00	45.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2497	45.00	47.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2498	47.00	49.00	2.00	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
2499	49.00	50.60	1.60	greenish black, medium grained serpentenite with disseminated magnetite and chromite throughout, fracturing
				E.O.H.
2497A	45.00	47.00	2.00	ACME SPLIT SAMPLE
2486 SG				@ 23m SG SAMPLE
2499 SG				@ 49m SG SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-03

DATE: 09-Dec-01

AZIMUTH: DIP: -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 591320E, 5486113N

ELEVATION (m): 855

LENGTH (m): 50.6

CLAIM NAME: COG 7

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	15.24						overburden, casing								
15.24	17.07	1.83	1.83	100.0	1.3	71.0									
17.07	20.12	3.05	2.97	97.4	2.30	77.4									
20.12	23.16	3.04	3.04	100.0	2.05	67.4									
23.16	26.21	3.05	2.96	97.0	1.92	64.9									
26.21	29.26	3.05	2.90	95.1	1.11	38.3									
29.26	32.31	3.05	2.78	91.1	1.25	45.0									
32.31	35.36	3.05	3.04	99.7	1.41	46.4									
35.36	38.40	3.04	3.00	98.7	1.10	36.7									
38.40	41.45	3.05	3.03	99.3	1.62	53.5									
41.45	44.50	3.05	2.97	97.4	1.86	62.6									
44.50	47.55	3.05	3.04	99.7	2.20	72.4									
47.55	50.60	3.05	3.03	99.3	2.40	79.2									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-04 — DRILL HOLE COORDINATES (NAD83): 592733E, 5485618N

DATE: 11-Dec-01 — ELEVATION (m): 925

AZIMUTH: — **DIP:** -90° — **LENGTH (m):** 50.6

CORE SIZE: NQ Thin Wall — **CLAIM NAME:** PT 4

Sample No.	From (m)	To (m)	Length (m)	Comments
2500	6.10	8.00	1.90	greenish black, medium grained serpentenite
2501	8.00	10.00	2.00	greenish black, medium grained serpentenite, diss magnetite and chromite throughout
2502	10.00	12.00	2.00	greenish black, medium grained serpentenite, strongly magnetic
2503	12.00	14.00	2.00	greenish black, medium grained serpentenite, fractures have coarse bladed serpentinite
2504	14.00	16.00	2.00	greenish black, medium grained serpentenite, fractures have coarse bladed serpentinite
2505	16.00	18.00	2.00	greenish black, medium grained serpentenite, fractures have coarse bladed serpentinite
2506	18.00	20.00	2.00	greenish black, medium grained serpentenite, fracture zones
2507	20.00	22.00	2.00	greenish black, medium grained serpentenite
2508	22.00	24.00	2.00	greenish black, medium grained serpentenite, fracture zones-limonitic
2509	24.00	26.00	2.00	greenish black, medium grained serpentenite
2510	26.00	28.00	2.00	greenish black, medium grained serpentenite
2511	28.00	30.00	2.00	greenish black, medium grained serpentenite
2512	30.00	32.00	2.00	greenish black, medium grained serpentenite
2513	32.00	34.00	2.00	greenish black, medium grained serpentenite
2514	34.00	36.00	2.00	greenish black, medium grained serpentenite
2515	36.00	38.00	2.00	greenish black, medium grained serpentenite
2516	38.00	40.00	2.00	greenish black, medium grained serpentenite
2517	40.00	42.00	2.00	greenish black, medium grained serpentenite
2518	42.00	44.00	2.00	greenish black, medium grained serpentenite, strongly fractured interval
2519	44.00	46.00	2.00	greenish black, medium grained serpentenite
2520	46.00	48.00	2.00	greenish black, medium grained serpentenite
2521	48.00	50.60	2.60	greenish black, medium grained serpentenite, brecciated
				E.O.H.
2516A	38.00	40.00	2.00	ACME SPLIT SAMPLE
2503 SG				@ 14m SG SAMPLE
2520 SG				@ 46m SG SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-04

DRILL HOLE COORDINATES (NAD83): 592733E, 5485618N

DATE: 11-Dec-01

ELEVATION (m): 925

AZIMUTH: **DIP:** -90°

LENGTH (m): 50.6

CORE SIZE: NQ Thin Wall

CLAIM NAME: PT 4

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	6.10						overburden, casing								
6.10	7.92	1.82	1.71	94.0	1.30	76.0									
7.92	10.97	3.05	2.50	82.0	1.53	61.2									
10.97	14.02	3.05	2.30	75.4	1.11	48.3									
14.02	17.07	3.05	2.85	93.4	1.76	61.8									
17.07	20.12	3.05	2.40	78.7	1.40	58.3									
20.12	23.16	3.04	2.05	67.4	0.50	24.4	fractured								
23.16	26.21	3.05	2.52	82.6	1.63	64.7									
26.21	29.26	3.05	2.69	88.2	2.10	78.1									
29.26	32.31	3.05	2.92	95.7	2.47	84.6									
32.31	35.36	3.05	2.98	97.7	2.32	77.9									
35.36	38.40	3.04	3.04	100.0	1.60	52.6									
38.40	41.45	3.05	3.05	100.0	2.50	82.0									
41.45	44.50	3.05	1.94	63.6	0.56	28.9	fractured								
44.50	47.50	3.00	2.60	86.7	1.10	42.3									
47.50	50.60	3.10	2.84	91.6	1.50	52.8									
	E.O.H.														

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CORE SAMPLE RECORD

DRILL HOLE NO: CR01-05 | **DRILL HOLE COORDINATES (NAD83):** 592621E, 5485505N

DATE: 11-Dec-01 | **ELEVATION (m):** 980

AZIMUTH: | **DIP:** -90° | **LENGTH (m):** 50.6

CORE SIZE: NQ Thin Wall | **CLAIM NAME:** COG 7

Sample No.	From (m)	To (m)	Length (m)	Comments
2522	9.14	11.00	1.86	greenish black, medium grained serpentenite
2523	11.00	13.00	2.00	greenish black, medium grained serpentenite, strongly magnetic
2524	13.00	15.00	2.00	greenish black, medium grained serpentenite, coarse bladed-fibrous serpentinite along fractures
2525	15.00	17.00	2.00	greenish black, medium grained serpentenite, coarse bladed-fibrous serpentinite along fractures
2526	17.00	19.00	2.00	greenish black, medium grained serpentenite, coarse bladed-fibrous serpentinite along fractures, brecciated
2527	19.00	21.00	2.00	greenish black, medium grained serpentenite, coarse bladed-fibrous serpentinite along fractures, brecciated, gouge
2528	21.00	23.00	2.00	greenish black, medium grained serpentenite, coarse bladed-fibrous serpentinite along fractures, brecciated, gouge
2529	23.00	25.00	2.00	greenish black, medium grained serpentenite
2530	25.00	27.00	2.00	greenish black, medium grained serpentenite
2531	27.00	29.00	2.00	greenish black, medium grained serpentenite
2532	29.00	31.00	2.00	greenish black, medium grained serpentenite
2533	31.00	33.00	2.00	greenish black, medium grained serpentenite
2534	33.00	35.00	2.00	tan-brown, medium grained serpentenite-alteration zone?
2535	35.00	37.00	2.00	tan-brown, medium grained serpentenite-alteration zone?
2536	37.00	39.00	2.00	tan-brown, medium grained serpentenite-alteration zone?
2537	39.00	41.00	2.00	greenish black, medium grained serpentenite
2538	41.00	43.00	2.00	greenish black, medium grained serpentenite
2539	43.00	45.00	2.00	greenish black, medium grained serpentenite
2540	45.00	47.00	2.00	greenish black, medium grained serpentenite
2541	47.00	49.00	2.00	greenish black, medium grained serpentenite
2542	49.00	50.60	1.60	greenish black, medium grained serpentenite
				E.O.H.
2539A	43.00	45.00	2.00	ACME SPLIT SAMPLE
2530 SG				@ 27m SG SAMPLE
2541 SG				@ 47m SG SAMPLE

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-05

DATE: 11-Dec-01
AZIMUTH: DIP: -90°
CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 592621E, 5485505N
ELEVATION (m): 980
LENGTH (m): 50.6
CLAIM NAME: COG 7

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	9.14						overburden, casing								
9.14	10.97	1.83	1.83	100.0	1.20	65.6									
10.97	14.02	3.05	2.99	98.0	1.46	48.8									
14.02	17.07	3.05	2.79	91.5	0.97	34.8									
17.07	20.12	3.05	2.20	72.1	0.70	31.8	fractured								
20.12	23.16	3.04	2.18	71.7	0.16	7.3	gouge								
23.16	26.21	3.05	2.86	93.8	1.00	35.0									
26.21	29.26	3.05	2.71	88.9	1.07	39.5	gouge								
29.26	32.31	3.05	2.71	88.9	0.73	26.9									
32.31	35.36	3.05	3.05	100.0	1.50	49.2									
35.36	38.40	3.04	3.00	98.7	1.03	34.3									
38.40	41.45	3.05	2.96	97.0	0.57	19.3									
41.45	44.50	3.05	2.87	94.1	0.90	31.4									
44.50	47.55	3.05	2.40	78.7	0.49	20.4	gouge								
47.55	50.60	3.05	2.68	87.9	1.20	44.8									
	E.O.H.														

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C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-06 — **DRILL HOLE COORDINATES (NAD83): 592465, 5485380N**

DATE: 12-Dec-01 — **ELEVATION (m): 1020**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 7**

Sample No.	From (m)	To (m)	Length (m)	Comments
2543	3.05	5.00	1.95	greenish black, medium grained serpentenite
2544	5.00	7.00	2.00	disseminated magnetite, fractured, moderately magnetic
2545	7.00	9.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2546	9.00	11.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2547	11.00	13.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2548	13.00	15.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2549	15.00	17.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2550	17.00	19.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2551	19.00	21.00	2.00	coarse bladed, fibrous serpentenite, iron alteration along fractures
2552	21.00	23.00	2.00	greenish black, medium grained serpentenite, 15cm gouge zone
2553	23.00	25.00	2.00	greenish black, medium grained serpentenite
2554	25.00	27.00	2.00	greenish black, medium grained serpentenite, 20cm gouge zone-brecciated
2555	27.00	29.00	2.00	greenish black, medium grained serpentenite
2556	29.00	31.00	2.00	greenish black, medium grained serpentenite, 30cm gouge zone-brecciated
2557	31.00	33.00	2.00	greenish black, medium grained serpentenite, strongly fractured
2558	33.00	35.00	2.00	greenish black, medium grained serpentenite, brown iron alteration
2559	35.00	37.00	2.00	greenish black, medium grained serpentenite
2560	37.00	39.00	2.00	greenish black, medium grained serpentenite
2561	39.00	41.00	2.00	greenish black, medium grained serpentenite
2562	41.00	43.00	2.00	greenish black, medium grained serpentenite
2563	43.00	45.00	2.00	greenish black, medium grained serpentenite
2564	45.00	47.00	2.00	greenish black, medium grained serpentenite
2565	47.00	49.00	2.00	greenish black, medium grained serpentenite
2566	49.00	50.29	1.29	greenish black, medium grained serpentenite
				E.O.H.
2550A	17.00	19.00	2.00	ACME SPLIT SAMPLE
2549 SG				@ 15m SG SAMPLE
2565 SG				@ 47m SG SAMPLE

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-06

DATE: 12-Dec-01
AZIMUTH: DIP: -90°
CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 592465, 5485380N
ELEVATION (m): 1020
LENGTH (m): 50.6
CLAIM NAME: COG 7

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	3.05						overburden, casing								
3.05	4.88	1.83	1.82	99.5	1.40	76.9									
4.88	7.92	3.04	2.65	87.2	0.60	22.6	fractured								
7.92	10.97	3.05	2.68	87.9	0.15	5.6									
10.97	14.02	3.05	2.60	85.2	0.45	17.3									
14.02	17.07	3.05	2.54	83.3	0.98	38.6									
17.07	20.12	3.05	2.90	95.1	1.98	68.3									
20.12	23.16	3.04	2.75	90.5	0.82	29.8	fractured								
23.16	26.21	3.05	2.81	92.1	1.18	42.0									
26.21	29.26	3.05	2.32	76.1	0.10	4.3	fractured, gouge								
29.26	32.31	3.05	2.66	87.2	0.50	18.8	fractured, gouge								
32.31	35.36	3.05	2.56	83.9	0.30	11.7	fractured, gouge								
35.36	38.40	3.04	2.72	89.5	0.22	8.1									
38.40	41.45	3.05	2.83	92.8	0.97	34.3									
41.45	44.50	3.05	2.86	93.8	1.53	53.5									
44.50	47.55	3.05	2.97	97.4	1.96	66.0									
47.55	50.29	2.74	2.72	99.3	1.58	58.1									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-07 — **DRILL HOLE COORDINATES (NAD83): 595624E, 5483945N**

DATE: 05-Dec-01 — **ELEVATION (m): 920**

AZIMUTH: 232° — **DIP:** -60° — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 2**

Sample No.	From (m)	To (m)	Length (m)	Comments
2380	5.76	8.00	2.24	5.76 - 7.62m overburden?, dunite, gravel, limonite
2381	8.00	10.00	2.00	dunite, brecciated gouge material, limonitic
2382	10.00	12.00	2.00	dunite, disseminated pyrite
2383	12.00	14.00	2.00	dunite, disseminated pyrite throughout
2384	14.00	16.00	2.00	dunite, disseminated pyrite throughout
2385	16.00	18.00	2.00	4cm brecciated limonitic serpentenite gouge
2386	18.00	20.00	2.00	fractured serpentinite/dunite
2387	20.00	22.00	2.00	dunite, 6cm brecciated limonitic serpentenite gouge
2388	22.00	24.00	2.00	dunite, 2cm brecciated limonitic serpentenite gouge
2389	24.00	26.00	2.00	dunite, 2cm brecciated limonitic serpentenite gouge
2390	26.00	28.00	2.00	dunite, limonitic gouge
2391	28.00	30.00	2.00	dunite, serpendenite breccia gouge
2392	30.00	32.00	2.00	fractured serpentenite, 2% disseminated pyrite throughout
2393	32.00	34.00	2.00	fractured serpentenite, dunite
2394	34.00	36.00	2.00	fractured serpentenite, dunite
2395	36.00	38.00	2.00	dunite/serpentinite, brecciated gouge
2396	38.00	40.00	2.00	greenish black serpentenite, fractured
2397	40.00	42.00	2.00	greenish black serpentenite with disseminated pyrite 1-2%
2398	42.00	44.00	2.00	greenish black serpentenite with disseminated pyrite 1-2%
2399	44.00	46.00	2.00	greenish grey fractured serpentenite
2400	46.00	48.00	2.00	1.1m brecciated serpentenite, talc gouge
2401	48.00	50.60	2.60	1.2m brecciated serpentenite, talc gouge
				E.O.H. disseminated pyrite thoughout
2398A	42.00	44.00	2.00	ACME SPLIT SAMPLE
2392 SG				@ 30m - SG
2401 SG				@ 48m - SG

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-07

DATE: 05-Dec-01

AZIMUTH: 232° **DIP: -60°**

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595624E, 5483945N

ELEVATION (m): 920

LENGTH (m): 50.6

CLAIM NAME: COG 2

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	5.76		overburden?				overburden?								
5.76	7.62	1.86	1.57	84.4	0.56	35.7	overburden-casing								
7.62	10.97	3.35	2.60	77.6	0.65	25.0	gouge, breccia								
10.97	14.02	3.05	2.72	89.2	1.00	36.8	limonitic gravel								
14.02	17.07	3.05	2.12	69.5	0.95	44.8	fractured								
17.07	20.12	3.05	2.46	80.7	0.40	16.3									
20.12	23.16	3.04	2.40	78.9	0.84	35.0									
23.16	26.21	3.05	2.49	81.6	1.52	61.0									
26.21	29.26	3.05	1.87	61.3	0.00	0.0	gouge, breccia								
29.26	32.31	3.05	2.39	78.4	0.70	29.3									
32.31	35.36	3.05	2.53	83.0	0.14	5.5	fractured								
35.36	38.40	3.04	2.09	68.8	0.30	14.4									
38.40	41.45	3.05	2.26	74.1	0.35	15.5									
41.45	44.50	3.05	3.05	100.0	1.02	33.4									
44.50	47.55	3.05	2.52	82.6	0.30	11.9	serpentenite, gouge								
47.55	50.60	3.05	2.48	81.3	0.43	17.3	talc								
	E.O.H.														

Crest Geological Consultants Ltd.	LEADER MINING INTERNATIONAL INC.	COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO:	**CR01-08**	**DRILL HOLE COORDINATES (NAD83): 595455E, 5483801N**
DATE:	**27-Nov-01**	**ELEVATION (m): 990**
AZIMUTH:	**DIP: -90°**	**LENGTH (m): 150.0**
CORE SIZE:	**NQ Thin Wall**	**CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2163	6.10	8.00	1.90	dark grey dunite , trace pentlandite
2164	8.00	10.00	2.00	dark grey dunite , trace pentlandite
2165	10.00	12.00	2.00	dark grey dunite , trace pentlandite
2166	12.00	14.00	2.00	black dunite
2167	14.00	16.00	2.00	black dunite
2168	16.00	18.00	2.00	black dunite
2169	18.00	20.00	2.00	black dunite , serpentenite fractures
2170	20.00	22.00	2.00	black dunite , serpentenite fractures
2171	22.00	24.00	2.00	black dunite , serpentenite fractures
2172	24.00	26.00	2.00	black dunite , fracturing
2173	26.00	28.00	2.00	black dunite , fracturing
2174	28.00	30.00	2.00	black dunite , gouge
2175	30.00	32.00	2.00	black dunite , trace py, pentlandite
2176	32.00	34.00	2.00	black dunite
2177	34.00	36.00	2.00	black dunite
2178	36.00	38.00	2.00	black dunite , fracturing
2179	38.00	40.00	2.00	dunite, fractured , gouge
2180	40.00	42.00	2.00	dunite, fractured , gouge
2181	42.00	44.00	2.00	dunite, fractured , gouge
2182	44.00	46.00	2.00	dunite, fractured , gouge
2183	46.00	48.00	2.00	dunite, fractured , gouge
2184	48.00	50.00	2.00	dunite, fractured , gouge , pyrite
2185	50.00	52.00	2.00	dunite, fractured , gouge , pyrite
2186	52.00	54.00	2.00	dunite, fractured , gouge , limonitic
2187	54.00	56.00	2.00	dunite, fractured , gouge
2188	56.00	58.00	2.00	fractured , dunite , pyrite
2189	58.00	60.00	2.00	fractured , dunite , pyrite
2190	60.00	62.00	2.00	dunite, fractured , gouge , brecciated, pyrite , limonite
2191	62.00	64.00	2.00	dunite, fractured , gouge , brecciated, pyrite , limonite
2192	64.00	66.00	2.00	dunite, fractured , gouge , brecciated, pyrite , limonite
2193	66.00	68.00	2.00	dunite, fractured , gouge , brecciated, pyrite , limonite
2194	68.00	70.00	2.00	dunite, fractured , gouge , brecciated, pyrite , limonite
2195	70.00	72.00	2.00	black dunite , pyrite
2196	72.00	74.00	2.00	black dunite
2197	74.00	76.00	2.00	black dunite , fracturing
2198	76.00	78.00	2.00	black dunite , pyrite
2199	78.00	80.00	2.00	black dunite , fractured , gouge , pyrite
2200	80.00	82.00	2.00	dunite, fractured , gouge , pyrite , brecciated
2201	82.00	84.00	2.00	dunite, fractured gouge
2202	84.00	86.00	2.00	dunite, fractured gouge
2203	86.00	88.00	2.00	dunite
2204	88.00	90.00	2.00	dunite , fractured , gouge
2205	90.00	92.00	2.00	dunite , fractured , gouge , iron staining
2206	92.00	94.00	2.00	dunite , fractured , gouge , iron staining , pyrite
2207	94.00	96.00	2.00	dunite , trace pyrite
2208	96.00	98.00	2.00	black dunite, fracturing, 10cm - 10% pyrite
2209	98.00	100.00	2.00	black dunite, disseminated pyrite
2210	100.00	102.00	2.00	dunite
2211	102.00	104.00	2.00	dunite, disseminated pyrite
2212	104.00	106.00	2.00	dunite, disseminated pyrite
2213	106.00	108.00	2.00	medium grained dunite, 1% disseminated pyrite
2214	108.00	110.00	2.00	medium grained dunite, 1% disseminated pyrite

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-08 — **DRILL HOLE COORDINATES (NAD83): 595455E, 5483801N**

DATE: 27-Nov-01 — **ELEVATION (m): 990**

AZIMUTH: **DIP: -90°** — **LENGTH (m): 150.0**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2215	110.00	112.00	2.00	fractured serpentenite, coarse pyrite
2216	112.00	114.00	2.00	fractured serpentenite, coarse pyrite
2217	114.00	116.00	2.00	fractured dunite
2218	116.00	118.00	2.00	fractured dunite
2219	118.00	120.00	2.00	fractured dunite gouge with disseminated pyrite
2220	120.00	122.00	2.00	dunite with fracturing
2221	122.00	124.00	2.00	dunite with fracturing
2222	124.00	126.00	2.00	fractured dunite, serpentenite, iron staining
2223	126.00	128.00	2.00	fractured dunite, serpentenite, iron staining
2224	128.00	130.00	2.00	fractured dunite, disseminated pyrite and along fractures
2225	130.00	132.00	2.00	fractured dunite, disseminated pyrite and along fractures
2226	132.00	134.00	2.00	fractured dunite, disseminated pyrite and along fractures
2227	134.00	136.00	2.00	fractured dunite, disseminated pyrite and along fractures
2228	136.00	138.00	2.00	fractured dunite, 6 cm of 10% diss. pyrite and along fractures
2229	138.00	140.00	2.00	dark grey dunite, disseminated pyrite throughout
2230	140.00	142.00	2.00	dark grey dunite, disseminated pyrite throughout, gouge
2231	142.00	144.00	2.00	dark grey dunite, diss. pyrite throughout, serpentenite, coarse py.
2232	144.00	146.00	2.00	serpentenite, brecciated, fractured, pyrite
2233	146.00	148.00	2.00	serpentenite, brecciated, fractured, pyrite
2234	148.00	150.57	2.57	serpentenite, brecciated, fractured, pyrite
				E.O.H.
2213A	106.00	108.00	2.00	ACME SPLIT SAMPLE
2198 SG			6 cm	77 m specific gravity sample
2215 SG			6 cm	110 m

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-08

DRILL HOLE COORDINATES (NAD83): 595455E, 5483801N

DATE: 27-Nov-01

ELEVATION (m): 990

AZIMUTH: DIP: -90°

LENGTH (m): 150

CORE SIZE: NQ Thin Wall

CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments
0.00	6.10						overburden	138.99	142.04	3.05	1.78	58.4	0.10	5.62	fractured, gouge
6.10	7.92	1.82	1.82	100.0	1.67	91.8		142.04	145.08	3.04	1.77	58.2	0.00	0.00	fractured, very soft talc
7.92	10.97	3.05	3.02	99.0	2.75	91.1		145.08	147.52	2.44	1.57	64.3	0.21	13.38	serpentenite, pyrite
10.97	14.02	3.05	3.05	100.0	2.27	74.4		147.52	149.35	1.83	1.51	82.5	0.28	18.54	
14.02	17.07	3.05	3.04	99.7	2.81	92.4		149.35	150.57	1.22	0.67	54.9	0.00	0.00	
17.07	20.12	3.05	2.94	96.4	2.49	84.7			E.O.H.						
20.12	23.16	3.04	3.05	100.3	1.75	57.4									
23.16	26.21	3.05	2.93	96.1	1.53	52.2	fracturing								
26.21	29.26	3.05	2.58	84.6	0.84	32.6	fractured, gouge								
29.26	32.31	3.05	2.95	96.7	2.40	81.4									
32.31	35.36	3.05	3.04	99.7	2.46	80.9									
35.36	38.40	3.04	2.93	96.4	1.79	61.1									
38.40	41.45	3.05	2.70	88.5	1.15	42.6	fractured								
41.45	44.50	3.05	2.24	73.4	0.34	15.2	fractured, gouge								
44.50	47.55	3.05	2.34	76.7	0.10	4.3									
47.55	50.60	3.05	2.24	73.4	0.45	20.1									
50.60	53.64	3.04	2.29	75.3	0.10	4.4									
53.64	56.69	3.05	2.33	76.4	0.96	41.2									
56.69	59.74	3.05	2.70	88.5	1.42	52.6									
59.74	62.79	3.05	2.30	75.4	1.20	52.2	limonitic/brecciated								
62.79	65.84	3.05	1.98	64.9	0.45	22.7									
65.84	68.88	3.04	2.23	73.4	1.12	50.2									
68.88	71.93	3.05	2.72	89.2	1.10	40.4									
71.93	74.98	3.05	2.20	72.1	0.50	22.7									
74.98	78.03	3.05	2.92	95.7	1.12	38.4									
78.03	81.08	3.05	2.60	85.2	0.66	25.4	fractured, gouge								
81.08	84.12	3.04	2.16	71.1	0.54	25.0									
84.12	87.17	3.05	2.91	95.4	1.05	36.1	folding @87.17								
87.17	90.22	3.05	2.95	96.7	1.49	50.5									
90.22	93.27	3.05	2.67	87.5	0.40	15.0									
93.27	96.32	3.05	2.83	92.8	1.57	55.5									
96.32	99.36	3.04	2.79	91.8	1.25	44.8									
99.36	102.41	3.05	2.99	98.0	1.77	59.2									
102.41	105.46	3.05	2.83	92.8	1.46	51.6									
105.46	108.51	3.05	2.95	96.7	2.74	92.9									
108.51	111.56	3.05	2.19	71.8	1.31	59.8	fractured, gouge								
111.56	114.60	3.04	2.49	81.9	0.52	20.9									
114.60	117.65	3.05	2.80	91.8	0.67	23.9	fractured								
117.65	120.70	3.05	2.99	98.0	1.69	56.5									
120.70	123.75	3.05	2.64	86.6	1.20	45.5									
123.75	126.80	3.05	2.26	74.1	0.30	13.3	fractured, gouge								
126.80	129.84	3.04	2.68	88.2	0.89	33.2									
129.84	132.89	3.05	2.43	79.7	0.28	11.5	very fractured								
132.89	135.94	3.05	2.69	88.2	0.10	3.7	very fractured								
135.94	138.99	3.05	2.40	78.7	0.81	33.8	fractured, gouge								

Crest Geological Consultants Ltd. | **LEADER MINING INTERNATIONAL INC.** | **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-09 — **DRILL HOLE COORDINATES (NAD83): 595370E, 5483753N**

DATE: 18-Nov-01 — **ELEVATION (m): 1018**

AZIMUTH: DIP: -90° — **LENGTH (m): 46.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2066	1.20	4.00	2.80	grey-black fine to medium grained dunite
2067	4.00	6.00	2.00	black dunite, disseminated pyrite
2068	6.00	8.00	2.00	black dunite
2069	8.00	10.00	2.00	dunite-serpentinite, pyrite-limonite
2070	10.00	12.00	2.00	dunite-serpentinite, pyrite-limonite, gouge
2071	12.00	14.00	2.00	serpentinite, pyrite, pentlandite-chromite
2072	14.00	16.00	2.00	serpentinite, pyrite, pentlandite-chromite
2073	16.00	18.00	2.00	grey-black dunite
2074	18.00	20.00	2.00	grey-black dunite
2075	20.00	22.00	2.00	grey-black dunite
2076	22.00	24.00	2.00	grey-black dunite
2077	24.00	26.00	2.00	grey-black dunite
2078	26.00	28.00	2.00	grey-black dunite
2079	28.00	30.00	2.00	grey-black dunite
2108	30.00	32.00	2.00	grey-black dunite, 0.5m gouge zone
2109	32.00	34.00	2.00	grey-black dunite, pyrite
2110	34.00	36.00	2.00	fractured dunite with 2% disseminated pyrite
2111	36.00	38.00	2.00	fractured-brecciated dunite with 2% disseminated pyrite
2112	38.00	40.00	2.00	fractured-brecciated dunite
2113	40.00	42.00	2.00	fractured-brecciated dunite, limonitic
2114	42.00	44.00	2.00	black dunite
2115	44.00	46.63	2.63	dunite with pyrite stringers, fractured, gouge
2114A	42.00	44.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-09

DATE: 16-Nov-01
AZIMUTH: DIP: -90°
CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595370E, 5483753N
ELEVATION (m): 1018
LENGTH (m): 46.6
CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	1.20						overburden								
1.20	3.05	1.85	1.00	54.1	0.80	80.0	lost core, gouge								
3.05	6.10	3.05	2.60	85.2	1.93	74.2	fractured core								
6.10	9.14	3.04	2.25	74.0	0.93	41.3									
9.14	12.20	3.06	1.58	51.6	0.75	47.5	fractured zone								
12.20	15.24	3.04	2.17	71.4	1.74	80.2									
15.24	18.30	3.06	2.80	91.5	2.34	83.6									
18.30	21.35	3.05	3.00	98.4	1.40	46.7									
21.35	24.40	3.05	2.96	97.0	2.71	91.6									
24.40	27.43	3.03	2.92	96.4	2.12	72.6									
27.43	30.50	3.07	2.96	96.4	2.47	83.4									
30.50	33.53	3.03	2.60	85.8	1.37	52.7									
33.53	36.58	3.05	2.94	96.4	0.65	22.1	fractured								
36.58	39.62	3.04	2.55	83.9	0.80	31.4									
39.62	42.67	3.05	2.30	75.4	0.65	28.3									
42.67	45.72	3.05	2.30	75.4	1.16	50.4									
45.72	46.63	0.91	0.90	98.9	0.00	0.0									

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-10 | **DRILL HOLE COORDINATES (NAD83): 595869E, 5483680N**

DATE: 07-Dec-01 | **ELEVATION (m): 895**

AZIMUTH: 232° | **DIP: -60°** | **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall | **CLAIM NAME: COG 2**

Sample No.	From (m)	To (m)	Length (m)	Comments
2422	4.50	6.00	1.50	5cm UM fragments in overburden
2423	6.00	8.00	2.00	overburden, ultramafic, tonalite fragments
2424	8.00	10.00	2.00	overburden, ultramafic, tonalite fragments, gouge
2425	10.00	12.00	2.00	overburden, ultramafic, tonalite fragments
2426	12.00	14.00	2.00	overburden, ultramafic, tonalite fragments
2427	14.00	16.00	2.00	overburden, ultramafic, tonalite fragments
2428	16.00	18.00	2.00	overburden, ultramafic, tonalite fragments
2429	18.00	20.00	2.00	overburden, ultramafic, tonalite fragments
2430	20.00	22.00	2.00	fractured dunite, gouge, greyish green, brecciated
2431	22.00	24.00	2.00	fractured dunite, gouge, greyish green, brecciated
2432	24.00	26.00	2.00	dunite/serpentinite to 25m, gouge at contact, start tonalite
2433	26.00	28.00	2.00	tonalite
2434	28.00	30.00	2.00	tonalite with iron staining on fractures
2435	30.00	32.00	2.00	tonalite with iron staining on fractures
N/S	32.00	34.00	2.00	tonalite with iron staining on fractures
N/S	34.00	36.00	2.00	tonalite with iron staining on fractures
N/S	36.00	38.00	2.00	tonalite with iron staining on fractures
N/S	38.00	40.00	2.00	tonalite with iron staining on fractures
N/S	40.00	42.00	2.00	tonalite with iron staining on fractures
N/S	42.00	44.00	2.00	tonalite with iron staining on fractures
N/S	44.00	46.00	2.00	tonalite with iron staining on fractures
N/S	46.00	48.00	2.00	tonalite with iron staining on fractures
N/S	48.00	50.60	2.60	tonalite, E.O.H.
2435A	30.00	32.00	2.00	ACME SPLIT SAMPLE
2426 SG				@ 14m - SG
2434 SG				@ 28.72 SG

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-10

DATE: 07-Dec-01

AZIMUTH: 232° **DIP: -60°**

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595869E, 5483680N

ELEVATION (m): 895

LENGTH (m): 50.6

CLAIM NAME: COG 2

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	4.50						overburden								
4.50	6.10	1.60	1.38	86.3	0.50	36.2	overburden, casing								
6.10	7.92	1.82	1.65	90.7	0.00	0.0									
7.92	10.97	3.05	2.62	85.9	0.64	24.4									
10.97	14.02	3.05	2.82	92.5	0.73	25.9									
14.02	17.07	3.05	2.42	79.3	0.00	0.0									
17.07	20.12	3.05	2.46	80.7	0.23	9.3									
20.12	23.16	3.04	2.38	78.3	0.66	27.7									
23.16	26.21	3.05	2.46	80.7	0.60	24.4	start tonalite								
26.21	29.26	3.05	2.85	93.4	2.26	79.3									
29.26	32.31	3.05	2.94	96.4	1.65	56.1									
32.31	35.36	3.05	2.91	95.4	2.49	85.6									
35.36	38.40	3.04	3.03	99.7	2.70	89.1									
38.40	41.45	3.05	3.02	99.0	2.80	92.7									
41.45	44.50	3.05	3.02	99.0	2.85	94.4									
44.50	47.55	3.05	2.87	94.1	2.38	82.9									
47.55	50.60	3.05	3.05	100.0	2.90	95.1	tonalite								
	E.O.H.														

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-11 | **DRILL HOLE COORDINATES (NAD83): 595758E, 5483628N**

DATE: 12-Dec-01 | **ELEVATION (m): 945**

AZIMUTH: | **DIP: -90°** | **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall | **CLAIM NAME: COG 2**

Sample No.	From (m)	To (m)	Length (m)	Comments
2301	25.91	28.00	2.09	fractured, limonitic, serpentenite, gouge
2302	28.00	30.00	2.00	serpentinite, alteration zone?
2303	30.00	32.00	2.00	fractured, limonitic, serpentenite, alteration, pyrite
2304	32.00	34.00	2.00	fractured, limonitic, serpentenite, alteration, pyrite
2305	34.00	36.00	2.00	serpentenite to fractured dunite
2306	36.00	38.00	2.00	fractured dunite, iron staining on fractures
2307	38.00	40.00	2.00	black dunite
2308	40.00	42.00	2.00	serpentenite on fractures
2309	42.00	44.00	2.00	fractured, limonitic, serpentenite, alteration, pyrite
2310	44.00	46.00	2.00	1.2m qtz, chl, biotite (intrusive) diorite?, fractured serpentenite
2311	46.00	48.00	2.00	fractured serpentenite/dunite
2312	48.00	50.60	2.60	fractured medium grained dunite
				E.O.H.
				NOTE: @ 27.0 m alteration zone - 2cm wide malachite
				10% diss. py., chalcopyrite, bright orange staining,
2308A	4.00	4.20	0.20	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-11

DATE: 12-Dec-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595758E, 5483628N

ELEVATION (m): 945

LENGTH (m): 50.6

CLAIM NAME: COG 2

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	25.91						overburden, casing								
25.91	29.26	3.35	2.40	71.6	0.86	35.8	fractured, gouge								
29.26	32.31	3.05	2.85	93.4	0.86	30.2	fractured, limonitic								
32.31	35.36	3.05	2.89	94.8	1.07	37.0									
35.36	38.40	3.04	2.78	91.4	0.73	26.3									
38.40	41.45	3.05	2.99	98.0	1.93	64.5									
41.45	44.50	3.05	2.67	87.5	1.77	66.3	contact with dyke								
44.50	47.55	3.05	2.93	96.1	0.57	19.5									
47.55	50.60	3.05	2.87	94.1	1.92	66.9									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-12 — **DRILL HOLE COORDINATES (NAD83): 595554E, 5483432N**

DATE: 25-Nov-01 — **ELEVATION (m): 1060**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2116	3.66	6.00	2.34	greenish-grey-black dunite, fractured, limonitic
2117	6.00	8.00	2.00	greenish-grey-black dunite, fractured, pyritic
2118	8.00	10.00	2.00	greenish-grey-black dunite, fractured, limonitic
2119	10.00	12.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2120	12.00	14.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2121	14.00	16.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2122	16.00	18.00	2.00	greenish-grey-black dunite, fractured, limonitic, 2% pyrite
2123	18.00	20.00	2.00	greenish-grey-black dunite, fractured, limonitic, 2% pyrite
2124	20.00	22.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2125	22.00	24.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2126	24.00	26.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2127	26.00	28.00	2.00	greenish-grey-black dunite, fractured-gouge, limonitic, pyrite
2128	28.00	30.00	2.00	greenish-grey-black dunite, fractured, limonitic
2129	30.00	32.00	2.00	greenish-grey-black dunite, fractured, limonitic
2130	32.00	34.00	2.00	greenish-grey-black dunite, qtz-feld porphyry dyke
2131	34.00	36.00	2.00	qtz-feld porphyry dyke, fractured
2132	36.00	38.00	2.00	greenish-grey-black dunite, gouge, limonitic
2133	38.00	40.00	2.00	greenish-grey-black dunite, fractured, pyrite, pentlandite?
2134	40.00	42.00	2.00	greenish-grey-black dunite, fractured, pyrite, pentlandite?
2135	42.00	44.00	2.00	greenish-grey-black dunite, disseminated pyrite
2136	44.00	46.00	2.00	black dunite with disseminated pyrite
2137	46.00	48.00	2.00	black dunite with disseminated pyrite, pentlandite?
2138	48.00	50.60	2.60	E.O.H.
2138A	48.00	50.60	2.60	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-12

DATE: 25-Nov-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595554E, 5483432N

ELEVATION (m): 1060

LENGTH (m): 50.6

CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	3.66						overburden								
3.66	4.88	1.22	1.08	88.5	0.20	18.5									
4.88	7.92	3.04	2.90	95.4	1.22	42.1									
7.92	10.97	3.05	2.70	88.5	0.30	11.1									
10.97	14.02	3.05	2.50	82.0	0.40	16.0									
14.02	17.07	3.05	2.57	84.3	0.12	4.7									
17.07	20.12	3.05	2.72	89.2	1.30	47.8									
20.12	23.16	3.04	2.43	79.9	0.38	15.6									
23.16	26.21	3.05	2.30	75.4	0.40	17.4									
26.21	29.26	3.05	2.43	79.7	0.34	14.0									
29.26	32.31	3.05	2.68	87.9	0.60	22.4									
32.31	35.36	3.05	1.98	64.9	0.42	21.2									
35.36	38.40	3.04	2.65	87.2	0.30	11.3									
38.40	41.45	3.05	2.73	89.5	0.87	31.9									
41.45	44.50	3.05	2.88	94.4	1.56	54.2									
44.50	47.55	3.05	2.75	90.2	1.64	59.6									
47.55	50.60	3.05	2.78	91.1	2.14	77.0									
	E.O.H.														

Crest Geological Consultants Ltd.	LEADER MINING INTERNATIONAL INC.	COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO:	**CR01-15**	**DRILL HOLE COORDINATES (NAD83): 596049E, 5483368N**	
DATE:	**03-Dec-01**	**ELEVATION (m): 920**	
AZIMUTH:	**DIP: -90°**	**LENGTH (m): 150.0**	
CORE SIZE:	**NQ Thin Wall**	**CLAIM NAME: COG 2**	

Sample No.	From (m)	To (m)	Length (m)	Comments
2313	16.76	19.00	2.24	ultramafic, fractured, limonitic, gouge, alteration zone?
2314	19.00	21.00	2.00	ultramafic, fractured, limonitic, gouge, alteration zone?
2315	21.00	23.00	2.00	ultramafic, fractured, limonitic, gouge, alteration zone?
2316	23.00	25.00	2.00	ultramafic, fractured, limonitic, gouge, alteration zone?, brecciated
2317	25.00	27.00	2.00	greyish green serpentenite, brecciated
2318	27.00	29.00	2.00	grey dunite, fractured, disseminated pyrite
2319	29.00	31.00	2.00	black dunite, serpentenite, iron on fractures
2320	31.00	33.00	2.00	dunite, limonitic zone
2321	33.00	35.00	2.00	fractured dunite, serpentenite, iron staining on fractures
2322	35.00	37.00	2.00	fractured dunite, serpentenite, iron staining on fractures
2323	37.00	39.00	2.00	fractured dunite, serpentenite, iron staining on fractures
2324	39.00	41.00	2.00	fractured dunite, serpentenite, iron staining on fractures
2325	41.00	43.00	2.00	fractured dunite, serpentenite, iron staining on fractures
2326	43.00	45.00	2.00	fractured dunite, serpentenite, iron on fractures with limonitic zones
2327	45.00	47.00	2.00	fractured dunite/serpentinite, weakly magnetic
2328	47.00	49.00	2.00	fractured dunite/serpentinite, weakly magnetic
2329	49.00	51.00	2.00	black dunite, medium grained
2330	51.00	53.00	2.00	black dunite, serpentenite and chromite on fractures
2331	53.00	55.00	2.00	black dunite, serpentenite and chromite on fractures
2332	55.00	57.00	2.00	black dunite, serpentenite and chromite on fractures
2333	57.00	59.00	2.00	black dunite, serpentenite and chromite on fractures
2334	59.00	61.00	2.00	black dunite, serpentenite and chromite on fractures
2335	61.00	63.00	2.00	black dunite, serpentenite and chromite on fractures
2336	63.00	65.00	2.00	black dunite, serpentenite and chromite on fractures
2337	65.00	67.00	2.00	black dunite, serpentenite and chromite on fractures
2338	67.00	69.00	2.00	black dunite, serpentenite and chromite on fractures, medium to fine grained
2339	69.00	71.00	2.00	black dunite, serpentenite and chromite on fractures
2340	71.00	73.00	2.00	black dunite, serpentenite and chromite on fractures
2341	73.00	75.00	2.00	black dunite, serpentenite and chromite on fractures
2342	75.00	77.00	2.00	disseminated pentlandite on fractures
2343	77.00	79.00	2.00	77.4m-77.6m 3-5% disseminated pentlandite
2344	79.00	81.00	2.00	2cm fracture zone
2345	81.00	83.00	2.00	serpentenite, foliated
2346	83.00	85.00	2.00	serpentenite, foliated
2347	85.00	87.00	2.00	serpentenite, foliated
2348	87.00	89.00	2.00	serpentenite, foliated
2349	89.00	91.00	2.00	serpentinite/dunite with disseminated pentlandite
2350	91.00	93.00	2.00	serpentinite/dunite with disseminated pentlandite
2351	93.00	95.00	2.00	serpentinite/dunite with disseminated pentlandite
2352	95.00	97.00	2.00	serpentinite/dunite with disseminated pentlandite
2353	97.00	99.00	2.00	serpentinite/dunite with disseminated pentlandite
2354	99.00	101.00	2.00	serpentinite/dunite with disseminated pentlandite
2355	101.00	103.00	2.00	serpentinite/dunite with disseminated pentlandite, some fracturing
2356	103.00	105.00	2.00	serpentinite/dunite with disseminated pentlandite, some fracturing
2357	105.00	107.00	2.00	serpentinite/dunite with disseminated pentlandite
2358	107.00	109.00	2.00	medium to fine-grained black dunite with serpentenite
2359	109.00	111.00	2.00	dunite, chromite on fractures and foliation, disseminated pentlandite
2360	111.00	113.00	2.00	dunite, @112m minor fracturing and 3cm quartz feldspar dyke
2361	113.00	115.00	2.00	dunite/serpentinite
2362	115.00	117.00	2.00	dunite/serpentinite
2363	117.00	119.00	2.00	dunite/serpentinite
2364	119.00	121.00	2.00	dunite/serpentinite - solid core

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-15 — **DRILL HOLE COORDINATES (NAD83): 596049E, 5483368N**

DATE: 03-Dec-01 — **ELEVATION (m): 920**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 150.0**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 2**

Sample No.	From (m)	To (m)	Length (m)	Comments
2365	121.00	123.00	2.00	dunite/serpentinite - solid core
2366	123.00	125.00	2.00	dunite/serpentinite - solid core
2367	125.00	127.00	2.00	dunite/serpentinite with disseminated penlandite
2368	127.00	129.00	2.00	dunite/serpentinite - solid core
2369	129.00	131.00	2.00	dunite/serpentinite - solid core
2370	131.00	133.00	2.00	dunite/serpentinite - solid core
2371	133.00	135.00	2.00	dunite/serpentinite - solid core
2372	135.00	137.00	2.00	dunite/serpentinite - solid core
2373	137.00	139.00	2.00	dunite/serpentinite with disseminated penlandite with minor fracturing
2374	139.00	141.00	2.00	dunite, 2cm fractured serpentenite
2375	141.00	143.00	2.00	dunite, diss. pyrite, pentlandite on serpentenite fractures/ blue staining (azurite?)
2376	143.00	145.00	2.00	dunite, diss. pyrite, pentlandite on serpentenite fractures/ blue staining (azurite?)
2377	145.00	147.00	2.00	dunite, diss. pyrite, pentlandite on serpentenite fractures/ blue staining (azurite?)
2378	147.00	149.00	2.00	blackish green fine grained dunite
2379	149.00	151.18	2.18	blackish green fine grained dunite
				E.O.H.
2379A	149.00	151.18	2.18	ACME SPLIT SAMPLE
2335 SG				@ 61.96m - SG
2378 SG				@ 149.0m - SG

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-15

DRILL HOLE COORDINATES (NAD83): 596049E, 5483368N

DATE: 03-Dec-01

ELEVATION (m): 920

AZIMUTH: **DIP:** -90°

LENGTH (m): 150

CORE SIZE: NQ Thin Wall

CLAIM NAME: COG 2

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	16.76						overburden, casing		E.O.H.						
16.76	19.81	3.05	2.10	68.9	0.00	0.0	fractured, limonitic								
19.81	23.16	3.35	2.00	59.7	0.00	0.0	fractured, limonitic gouge								
23.16	26.21	3.05	2.81	92.1	0.23	8.2									
26.21	29.26	3.05	2.74	89.8	1.98	72.3									
29.26	32.31	3.05	2.96	97.0	0.33	11.1									
32.31	35.36	3.05	2.92	95.7	0.54	18.5	fractured								
35.36	38.40	3.04	2.88	94.7	1.71	59.4									
38.40	41.45	3.05	2.63	86.2	1.54	58.6									
41.45	44.50	3.05	2.78	91.1	0.22	7.9	fractured								
44.50	47.55	3.05	2.30	75.4	0.35	15.2									
47.55	50.60	3.05	2.28	74.8	0.94	41.2									
50.60	53.64	3.04	2.90	95.4	1.91	65.9									
53.64	56.69	3.05	2.97	97.4	2.39	80.5									
56.69	59.74	3.05	3.05	100.0	2.14	70.2									
59.74	62.79	3.05	3.02	99.0	2.90	96.0									
62.79	65.84	3.05	3.04	99.7	2.45	80.6									
65.84	68.88	3.04	2.99	98.4	2.95	98.7									
68.88	71.93	3.05	2.92	95.7	2.85	97.6									
71.93	74.98	3.05	3.03	99.3	2.57	84.8									
74.98	78.03	3.05	3.05	100.0	2.62	85.9									
78.03	81.08	3.05	2.92	95.7	2.43	83.2	2cm fracture zone								
81.08	84.12	3.04	3.04	100.0	2.64	86.8									
84.12	87.17	3.05	3.05	100.0	2.67	87.5									
87.17	90.22	3.05	2.97	97.4	2.29	77.1									
90.22	93.27	3.05	3.05	100.0	2.92	95.7									
93.27	96.32	3.05	3.02	99.0	2.19	72.5									
96.32	99.36	3.04	3.00	98.7	2.35	78.3									
99.36	102.41	3.05	3.03	99.3	2.83	93.4									
102.41	105.46	3.05	3.05	100.0	2.43	79.7									
105.46	108.51	3.05	3.03	99.3	2.49	82.2									
108.51	111.56	3.05	3.02	99.0	2.47	81.8									
111.56	114.60	3.04	2.93	96.4	1.69	57.7									
114.60	117.65	3.05	2.98	97.7	2.71	90.9									
117.65	120.70	3.05	2.97	97.4	2.54	85.5									
120.70	123.75	3.05	3.05	100.0	2.87	94.1									
123.75	126.80	3.05	3.05	100.0	2.92	95.7									
126.80	129.84	3.04	3.05	100.3	2.60	85.2									
129.84	132.89	3.05	3.00	98.4	2.80	93.3									
132.89	135.94	3.05	3.05	100.0	3.00	98.4									
135.94	138.99	3.05	3.02	99.0	2.26	74.8									
138.99	142.04	3.05	3.04	99.7	1.91	62.8									
142.04	145.08	3.04	3.05	100.3	2.51	82.3									
145.08	148.13	3.05	3.05	100.0	3.05	100.0	solid core								
148.13	151.18	3.05	3.05	100.0	2.96	97.0									

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-18 | DRILL HOLE COORDINATES (NAD83): 597371E, 5482840N

DATE: 19-Nov-01 | ELEVATION (m): 1048

AZIMUTH: | DIP: -90° | LENGTH (m): 50.6

CORE SIZE: NQ Thin Wall | CLAIM NAME: COG 4

Sample No.	From (m)	To (m)	Length (m)	Comments
2080	9.14	11.00	1.86	casing to 9.14m (overburden)
2081	11.00	13.00	2.00	serpentinite
2082	13.00	15.00	2.00	serpentinite
2083	15.00	17.00	2.00	serpentinite
2084	17.00	19.00	2.00	serpentinite
2085	19.00	21.00	2.00	grey-black fine to medium grained dunite
2086	21.00	23.00	2.00	grey-black fine to medium grained dunite
2087	23.00	25.00	2.00	grey-black fine to medium grained dunite
2088	25.00	27.00	2.00	grey-black fine to medium grained dunite
2089	27.00	29.00	2.00	grey-black fine to medium grained dunite
2090	29.00	31.00	2.00	grey-black fine to medium grained dunite
2091	31.00	33.00	2.00	grey-black fine to medium grained dunite
2092	33.00	35.00	2.00	grey-black fine to medium grained dunite
2093	35.00	37.00	2.00	grey-black fine to medium grained dunite
2094	37.00	39.00	2.00	grey-black fine to medium grained dunite
2095	39.00	41.00	2.00	grey-black fine to medium grained dunite
2096	41.00	43.00	2.00	grey-black fine to medium grained dunite
2097	43.00	45.00	2.00	grey-black fine to medium grained dunite
2098	45.00	47.00	2.00	grey-black fine to medium grained dunite
2099	47.00	49.00	2.00	grey-black fine to medium grained dunite
2100	49.00	50.60	1.60	grey-black fine to medium grained dunite
				E.O.H.
2098A	45.00	47.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-18

DATE: 19-Nov-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 597371E, 5482840N

ELEVATION (m): 1048

LENGTH (m): 50.6

CLAIM NAME: COG 4

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	9.14						overburden								
9.14	10.97	1.83	1.76	96.2	1.14	64.8									
10.97	14.02	3.05	2.92	95.7	2.50	85.6									
14.02	17.07	3.05	3.05	100.0	2.70	88.5									
17.07	20.12	3.05	2.98	97.7	2.50	83.9									
20.12	23.16	3.04	2.87	94.4	2.19	76.3									
23.16	26.21	3.05	2.77	90.8	2.38	85.9									
26.21	29.26	3.05	2.97	97.4	2.80	94.3									
29.26	32.31	3.05	3.00	98.4	2.82	94.0									
32.31	35.36	3.05	3.05	100.0	2.89	94.8									
35.36	38.40	3.04	2.82	92.8	2.16	76.6									
38.40	41.45	3.05	2.75	90.2	1.79	65.1	fractured/breccia								
41.45	44.50	3.05	2.85	93.4	2.35	82.5									
44.50	47.55	3.05	2.98	97.7	2.72	91.3									
47.55	50.60	3.05	3.00	98.4	2.69	89.7									

Crest Geological Consultants Ltd. LEADER MINING INTERNATIONAL INC. COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-20 **DRILL HOLE COORDINATES (NAD83): 597814E, 5482733N**

DATE: 18-Nov-01 **ELEVATION (m): 1078**

AZIMUTH: **DIP: -90°** **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall **CLAIM NAME: COG 4**

Sample No.	From (m)	To (m)	Length (m)	Comments
2051	20.12	22.00	1.88	casing to 20.12m (overburden)
2052	22.00	24.00	2.00	qtz-chl-bi schist, qtz-feld porphyry dyke
2053	24.00	26.00	2.00	qtz-chl schist, serpentinite
2054	26.00	28.00	2.00	serpentinite
2055	28.00	30.00	2.00	serpentinite
2056	30.00	32.00	2.00	serpentinite
2057	32.00	34.00	2.00	serpentinite
2058	34.00	36.00	2.00	serpentinite
2059	36.00	38.00	2.00	qtz-feld porphyry dyke, serpentinite
2060	38.00	40.00	2.00	serpentinite
2061	40.00	42.00	2.00	serpentinite
2062	42.00	44.00	2.00	serpentinite
2063	44.00	46.00	2.00	serpentinite
2064	46.00	48.00	2.00	serpentinite
2065	48.00	50.60	2.60	serpentinite
				E.O.H.
2064A	46.00	48.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-20

DATE: 18-Nov-01

AZIMUTH: DIP: -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 597814E, 5482733N

ELEVATION (m): 1076

LENGTH (m): 50.6

CLAIM NAME: COG 4

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	20.12						overburden								
20.12	23.16	3.04	2.85	93.8	2.74	96.1									
23.16	26.21	3.05	3.14	103.0	2.00	63.7	fractured core								
26.21	29.26	3.05	3.02	99.0	2.49	82.5									
29.26	32.31	3.05	2.98	97.7	2.69	90.3									
32.31	35.36	3.05	3.16	103.6	2.15	68.0									
35.36	38.40	3.04	2.95	97.0	2.26	76.6									
38.40	41.45	3.05	2.58	84.6	1.50	58.1									
41.45	44.50	3.05	2.85	93.4	1.96	68.8									
44.50	47.55	3.05	3.00	98.4	2.13	71.0									
47.55	50.60	3.05	2.77	90.8	1.77	63.9									
	E.O.H.														

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-21 | **DRILL HOLE COORDINATES (NAD83):** 597525E, 5482499N

DATE: 20-Nov-01 | **ELEVATION (m):** 1022

AZIMUTH: | **DIP:** -90° | **LENGTH (m):** 50.6

CORE SIZE: NQ Thin Wall | **CLAIM NAME:** COG 4

Sample No.	From (m)	To (m)	Length (m)	Comments
2101	35.97	38.00	2.03	greenish-black, siliceous serpentinite
2102	38.00	40.00	2.00	greenish-black, siliceous serpentinite
2103	40.00	42.00	2.00	greenish-black, siliceous serpentinite
2104	42.00	44.00	2.00	greenish-black, siliceous serpentinite
2105	44.00	46.00	2.00	greenish-black, siliceous serpentinite
2106	46.00	48.00	2.00	greenish-black, siliceous serpentinite
2107	48.00	50.60	2.60	greenish-black, siliceous serpentinite
				E.O.H.
2105A	44.00	46.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-21

DATE: 20-Nov-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 597525E, 5482499N

ELEVATION (m): 1022

LENGTH (m): 50.6

CLAIM NAME: COG 4

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	35.97						casing/overburden								
35.97	38.40	2.43	2.40	98.8	2.36	98.3									
38.40	41.45	3.05	2.96	97.0	2.57	86.8									
41.45	44.50	3.05	3.00	98.4	2.88	96.0									
44.50	47.55	3.05	3.00	98.4	2.86	95.3									
47.55	50.60	3.05	3.05	100.0	2.70	88.5									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-22 — **DRILL HOLE COORDINATES (NAD83): 595153E, 5483954N**

DATE: 26-Nov-01 — **ELEVATION (m): 1005**

AZIMUTH: — **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2139	3.05	5.00	1.95	dark grey dunite-serpentinite
2140	5.00	7.00	1.95	dark grey dunite-serpentinite
2141	7.00	9.00	1.95	dark grey dunite-serpentinite
2142	9.00	11.00	1.95	dark grey dunite-serpentinite
2143	11.00	13.00	1.95	dark grey dunite-serpentinite
2144	13.00	15.00	1.95	dark grey dunite-serpentinite, local fracturing
2145	15.00	17.00	1.95	dark grey dunite-serpentinite
2146	17.00	19.00	1.95	dark grey dunite-bladed serpentinite
2147	19.00	21.00	1.95	dark grey dunite-serpentinite
2148	21.00	23.00	1.95	dark grey dunite-serpentinite
2149	23.00	25.00	1.95	dark grey dunite-serpentinite
2150	25.00	27.00	1.95	dark grey dunite-serpentinite
2151	27.00	29.00	1.95	dark grey dunite-serpentinite
2152	29.00	31.00	1.95	dark grey dunite-serpentinite
2153	31.00	33.00	1.95	dark grey dunite-serpentinite
2154	33.00	35.00	1.95	dark grey dunite-serpentinite
2155	35.00	37.00	1.95	dark grey dunite-serpentinite, local iron stain
2156	37.00	39.00	1.95	dark grey dunite-serpentinite, fractured
2157	39.00	41.00	1.95	dark grey dunite-serpentinite, fractured-gouge, limonitic
2158	41.00	43.00	1.95	dark grey dunite-serpentinite, fractured-gouge, limonitic
2159	43.00	45.00	1.95	dark grey dunite-serpentinite, 20cm fracture zone
2160	45.00	47.00	1.95	dark grey dunite-serpentinite
2161	47.00	49.00	1.95	dark grey dunite-serpentinite
2162	49.00	50.60	1.95	dark grey dunite-serpentinite
				E.O.H.
2149A	23.00	25.00	1.95	ACME CHECK SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-22

DATE: 11/26/2001
AZIMUTH: DIP: -90°
CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595153E, 5483954N
ELEVATION (m): 1005
LENGTH (m): 50.6
CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	3.05						overburden								
3.05	4.88	1.83	1.70	92.9	1.10	64.7									
4.88	7.92	3.04	2.90	95.4	2.23	76.9									
7.92	10.97	3.05	2.82	92.5	2.55	90.4									
10.97	14.02	3.05	2.74	89.8	1.66	60.6									
14.02	17.07	3.05	3.00	98.4	2.17	72.3									
17.07	21.12	4.05	3.02	74.6	1.80	59.6									
21.12	23.16	2.04	3.05	149.5	2.68	87.9									
23.16	26.21	3.05	3.05	100.0	2.84	93.1									
26.21	29.26	3.05	2.95	96.7	2.39	81.0									
29.26	32.31	3.05	2.98	97.7	2.78	93.3									
32.31	35.36	3.05	3.05	100.0	2.40	78.7									
35.36	38.40	3.04	3.05	100.3	1.75	57.4									
38.40	41.45	3.05	2.60	85.2	1.46	56.2	fractured								
41.45	44.50	3.05	2.60	85.2	1.16	44.6									
44.50	47.55	3.05	2.94	96.4	2.37	80.6									
47.55	50.60	3.05	2.95	96.7	2.18	73.9									
	E.O.H.														

Crest Geological Consultants Ltd. LEADER MINING INTERNATIONAL INC. COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-23 **DRILL HOLE COORDINATES (NAD83): 595293E, 5483874N**

DATE: 01-Dec-01 **ELEVATION (m): 998**

AZIMUTH: **DIP: -90°** **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2257	4.57	6.00	1.43	fractured dunite, iron staining on fractures
2258	6.00	8.00	2.00	fractured dunite, iron staining on fractures
2259	8.00	10.00	2.00	fractured dunite, iron staining on fractures
2260	10.00	12.00	2.00	fractured dunite, iron staining on fractures
2261	12.00	14.00	2.00	gouge, serpentenite
2262	14.00	16.00	2.00	fractured dunite, iron staining on fractures
2263	16.00	18.00	2.00	fractured dunite, iron staining on fractures
2264	18.00	20.00	2.00	fractured dunite, iron staining on fractures, limonitic
2265	20.00	22.00	2.00	dunite, limonite throughout, brecciated
2266	22.00	24.00	2.00	dunite, limonite throughout, brecciated
2267	24.00	26.00	2.00	limonite, breccia, serpentenite
2268	26.00	28.00	2.00	limonite, breccia, serpentenite
2269	28.00	30.00	2.00	serpentinite, limonite, breccia, gouge
2270	30.00	32.00	2.00	serpentinite, limonite, breccia, gouge, poor return
2271	32.00	34.00	2.00	serpentinite, limonite, breccia, gouge, poor return
2272	34.00	36.00	2.00	serpentinite, limonite, breccia, gouge, poor return
2273	36.00	38.00	2.00	serpentinite, limonite, breccia, diss. py., altered
2274	38.00	40.00	2.00	serpentinite, limonite, breccia, diss. py., altered
2275	40.00	42.00	2.00	fractured dunite, diss. py throughout
2276	42.00	44.00	2.00	fractured dunite, diss. py throughout
2277	44.00	46.00	2.00	serpentinite, limonite, breccia, diss. py., altered, talc, gouge
2278	46.00	48.00	2.00	fractured dunite, limonite
2279	48.00	50.60	2.60	dunite, medium grained
				E.O.H.
2279A	48.00	50.60	2.60	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-23

DRILL HOLE COORDINATES (NAD83): 595293E, 5483874N

DATE: 01-Dec-01

ELEVATION (m): 998

AZIMUTH: **DIP: -90°**

LENGTH (m): 50.6

CORE SIZE: NQ Thin Wall

CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	4.57						overburden, casing								
4.57	4.88	0.31	0.04	12.9	0.00	0.0	fractured, gravel								
4.88	7.92	3.04	2.72	89.5	0.49	18.0	fractured								
7.92	10.97	3.05	2.74	89.8	0.73	26.6									
10.97	14.02	3.05	2.20	72.1	0.34	15.5	fractured, gouge								
14.02	17.07	3.05	2.94	96.4	1.67	56.8									
17.07	20.12	3.05	2.90	95.1	0.20	6.9	fractured								
20.12	23.16	3.04	2.96	97.4	0.30	10.1	limonitic								
23.16	26.21	3.05	2.97	97.4	0.54	18.2									
26.21	29.26	3.05	2.94	96.4	0.70	23.8	gouge								
29.26	32.31	3.05	2.47	81.0	0.00	0.0	fractured, gouge, lime								
32.31	35.36	3.05	1.51	49.5	0.00	0.0									
35.36	38.40	3.04	2.09	68.8	0.20	9.6									
38.40	41.45	3.05	2.64	86.6	0.66	25.0									
41.45	44.45	3.00	2.90	96.7	1.21	41.7									
44.45	47.55	3.10	2.75	88.7	0.50	18.2	serpendenite, talc								
47.55	50.60	3.05	2.87	94.1	2.18	76.0									
	E.O.H.														

Crest Geological Consultants Ltd. **LEADER MINING INTERNATIONAL INC.** **COGBURN - PROJECT 345**

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-24 — **DRILL HOLE COORDINATES (NAD83): 595463E, 5483579N**

DATE: 29-Nov-01 — **ELEVATION (m): 1042**

AZIMUTH: **DIP: -90°** — **LENGTH (m): 50.6**

CORE SIZE: NQ Thin Wall — **CLAIM NAME: COG 1**

Sample No.	From (m)	To (m)	Length (m)	Comments
2235	6.10	8.00	1.90	dunite, fracturing, limonitic
2236	8.00	10.00	2.00	dunite, fractured, limonitic, diss. pyrite, iron staining
2237	10.00	12.00	2.00	dunite, fractured, limonitic, diss. pyrite, iron staining
2238	12.00	14.00	2.00	dunite, fractured, limonitic, diss. pyrite, iron staining
2239	14.00	16.00	2.00	fractured, dunite
2240	16.00	18.00	2.00	dunite, fractured, limonitic
2241	18.00	20.00	2.00	dunite, fractured, limonitic
2242	20.00	22.00	2.00	fractured, dunite, diss. pyrite throughout
2243	22.00	24.00	2.00	fractured, dunite, gouge, diss. pyrite
2244	24.00	26.00	2.00	fractured, dunite, gouge, diss. pyrite
2245	26.00	28.00	2.00	fractured, dunite, gouge, diss. pyrite, limonite
2246	28.00	30.00	2.00	dunite, fractured, gouge, limonitic, talc, very soft
2247	30.00	32.00	2.00	dunite, fractured, gouge, limonitic, talc, very soft
2248	32.00	34.00	2.00	fractured, dunite, iron staining, diss. pyrite
2249	34.00	36.00	2.00	fractured, dunite, iron staining, diss. pyrite
2250	36.00	38.00	2.00	dunite, fractured, gouge, iron staining, 5% diss. pyrite
2251	38.00	40.00	2.00	dunite, fractured, gouge, limonitic, pyrite, serpentenite
2252	40.00	42.00	2.00	dunite, fractured, gouge, limonitic, brecciated, pyrite
2253	42.00	44.00	2.00	fractured, iron stained, dunite, diss. pyrite
2254	44.00	46.00	2.00	fractured, iron stained, dunite, 2% diss. pyrite
2255	46.00	48.00	2.00	fractured, iron stained, dunite, 2% diss. pyrite
2256	48.00	50.60	2.60	fractured, iron stained, dunite, 2% diss. pyrite
				E.O.H.
2242A	20.00	22.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-24

DATE: 29-Nov-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595463E, 5483579N

ELEVATION (m): 1042

LENGTH (m): 50.6

CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	6.10						overburden, casing								
6.10	7.92	1.82	1.28	70.3	0.10	7.8	fractured, limonitic								
7.92	10.97	3.05	2.22	72.8	0.14	6.3									
10.97	14.02	3.05	1.97	64.6	0.46	23.4									
14.02	17.07	3.05	2.28	74.8	0.23	10.1									
17.07	19.20	2.13	1.54	72.3	0.24	15.6									
19.20	20.12	0.92	0.48	52.2	0.18	37.5									
20.12	23.16	3.04	2.62	86.2	1.17	44.7									
23.16	26.21	3.05	2.03	66.6	0.38	18.7									
26.21	29.26	3.05	1.53	50.2	0.67	43.8	fractured, gouge								
29.26	32.31	3.05	1.52	49.8	0.10	6.6									
32.31	35.36	3.05	1.41	46.2	0.32	22.7									
35.36	38.40	3.04	1.04	34.2	0.30	28.8									
38.40	41.45	3.05	1.85	60.7	0.10	5.4									
41.45	44.50	3.05	1.98	64.9	0.54	27.3									
44.50	47.55	3.05	1.32	43.3	0.44	33.3									
47.55	50.60	3.05	1.68	55.1	0.51	30.4									
	E.O.H.														

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-25 | **DRILL HOLE COORDINATES (NAD83):** 595612E, 5483712N

DATE: 01-Dec-01 | **ELEVATION (m):** 965

AZIMUTH: | **DIP:** -90° | **LENGTH (m):** 50.6

CORE SIZE: NQ Thin Wall | **CLAIM NAME:** COG 1

Sample No.	From (m)	To (m)	Length (m)	Comments
2280	9.14	11.00	1.86	1.10m quartz feldspar dyke and serpentinite
2281	11.00	13.00	2.00	fractured, serpentenite, gouge, talc
2282	13.00	15.00	2.00	fractured, serpentenite, gouge, talc
2283	15.00	17.00	2.00	fractured, serpentenite, gouge, talc
2284	17.00	19.00	2.00	fractured, serpentenite, altered, diss. pyrite, iron staining
2285	19.00	21.00	2.00	fractured, serpentenite, altered, diss. pyrite, iron staining
2286	21.00	23.00	2.00	fractured, dunite, gouge, serpentenite, limonite
2287	23.00	25.00	2.00	fractured, dunite
2288	25.00	27.00	2.00	fractured, dunite
2289	27.00	29.00	2.00	fractured, dunite, iron stained fractures
2290	29.00	31.00	2.00	limonitic serpentenite, gouge, fractured, dunite
2291	31.00	33.00	2.00	limonitic serpentenite, gouge, fractured, dunite
2292	33.00	35.00	2.00	2.5cm 10% pyrite, lime, serpentenite, gouge
2293	35.00	37.00	2.00	dunite with 1-2% disseminated pyrite
2294	37.00	39.00	2.00	limonite, gouge, dunite with disseminated pyrite to 2-3%
2295	39.00	41.00	2.00	limonite, gouge, dunite with disseminated pyrite to 2-3%
2296	41.00	43.00	2.00	limonite, gouge, dunite with disseminated pyrite to 2-3%
2297	43.00	45.00	2.00	limonite, gouge, dunite with disseminated pyrite to 2-3%
2298	45.00	47.00	2.00	2.5cm 20% pyrite, limonite, serpentenite, gouge
2299	47.00	49.00	2.00	fractured, dunite, disseminated pyrite, limonite, gouge
2300	49.00	50.60	1.60	fractured dunite, 2cm wide zone of 5% pyrite, poor return
				E.O.H.
2287A	23.00	25.00	2.00	ACME SPLIT SAMPLE

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-25

DATE: 01-Dec-01

AZIMUTH: **DIP:** -90°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595612E, 5483712N

ELEVATION (m): 965

LENGTH (m): 50.6

CLAIM NAME: COG 1

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	9.14						overburden, casing								
9.14	10.97	1.83	1.53	83.6	0.12	7.8	1.1m dyke								
10.97	14.02	3.05	2.10	68.9	0.64	30.5									
14.02	17.07	3.05	1.15	37.7	0.10	8.7	fractured, gouge								
17.07	20.12	3.05	2.88	94.4	0.52	18.1									
20.12	23.16	3.04	2.15	70.7	0.33	15.3									
23.16	26.21	3.05	2.72	89.2	1.60	58.8									
26.21	29.26	3.05	2.17	71.1	0.43	19.8	gouge								
29.26	32.31	3.05	2.50	82.0	1.37	54.8									
32.31	35.36	3.05	2.23	73.1	0.90	40.4									
35.36	38.40	3.04	1.82	59.9	1.00	54.9	limonite, talc, gouge								
38.40	41.45	3.05	2.46	80.7	1.45	58.9									
41.45	44.50	3.05	2.42	79.3	1.46	60.3									
44.50	47.55	3.05	2.22	72.8	0.79	35.6	disseminated pyrite, gouge								
47.55	50.60	3.05	1.65	54.1	0.96	58.2									
	E.O.H.														

Crest Geological Consultants Ltd. | LEADER MINING INTERNATIONAL INC. | COGBURN - PROJECT 345

C O R E S A M P L E R E C O R D

DRILL HOLE NO: CR01-26 | **DRILL HOLE COORDINATES (NAD83):** 595743E, 5483818N

DATE: 06-Dec-01 | **ELEVATION (m):** 905

AZIMUTH: 232° | **DIP:** -60° | **LENGTH (m):** 50.6

CORE SIZE: NQ Thin Wall | **CLAIM NAME:** COG 2

Sample No.	From (m)	To (m)	Length (m)	Comments
2402	10.97	13.00	2.03	overburden?, ultramafic, gravel, brecciated, weakly magnetic
2403	13.00	15.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown, moderately magnetic
2404	15.00	17.00	2.00	fault gouge @ 16.98m start of quartz feldspar dyke
2405	17.00	19.00	2.00	quartz feldspar dyke, all fractured, minor 2cm wide zone of serpentinite
2406	19.00	21.00	2.00	fractured quartz feldspar dyke
2407	21.00	23.00	2.00	fractured quartz feldspar dyke
2408	23.00	25.00	2.00	quartz feldspar dyke with 3cm fine grained brown siltstone, moderately magnetic
2409	25.00	27.00	2.00	ultramafic?, greenish brown fractured, gouge
2410	27.00	29.00	2.00	ultramafic?, greenish brown fractured, gouge
2411	29.00	31.00	2.00	ultramafic?, greenish brown fractured, gouge
2412	31.00	33.00	2.00	dunie/serpentinite, fractured, brecciated, limonitic, sulphides
2413	33.00	35.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown, iron staining
2414	35.00	37.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown, iron staining
2415	37.00	39.00	2.00	dunite-serpentinite, fractured, brecciated, greenish-brown, iron staining, poor recovery
2416	39.00	41.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown, iron staining
2417	41.00	43.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown, iron staining
2418	43.00	45.00	2.00	fractured quartz feldspar dyke and dunite/serpentinite
2419	45.00	47.00	2.00	dunite/serpentinite, fractured, brecciated, greenish-brown
2420	47.00	49.00	2.00	dunite/serpentinite, fractured, brecciated with disseminated iron staining
2421	49.00	50.60	1.60	dunite/serpentinite, moderely magenetic
				EOH
2421A	49.00	50.60	1.60	ACME SPLIT SAMPLE
2408 SG				@ 25m
2418 SG				@ 45m

Crest Geological Consultants Ltd.

LEADER MINING INTERNATIONAL INC.

COGBURN - PROJECT 345

C O R E R E C O V E R Y R E C O R D

DRILL HOLE NO: CR01-26

DATE: 06-Dec-01

AZIMUTH: 232° **DIP:** -60°

CORE SIZE: NQ Thin Wall

DRILL HOLE COORDINATES (NAD83): 595743E, 5483818N

ELEVATION (m): 905

LENGTH (m): 50.6

CLAIM NAME: COG 2

From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD(m)	RQD (%)	Comments	From(m)	To(m)	Run(m)	Core Recovery(m)	Rec (%)	RQD	RQD (%)	Comments
0.00	10.97						overburden-casing								
10.97	14.02	3.05	2.90	95.1	0.10	3.4	1m overburden								
14.02	17.07	3.05	2.12	69.5	0.10	4.7	fractured, gouge								
17.07	20.12	3.05	1.30	42.6	0.00	0.0	quartz feldspar dyke, fractured								
20.12	23.16	3.04	1.90	62.5	0.11	5.8	quartz feldspar dyke, fractured								
23.16	26.21	3.05	1.04	34.1	0.00	0.0	gouge								
26.21	29.26	3.05	2.90	95.1	0.00	0.0	clay gouge								
29.26	32.31	3.05	2.30	75.4	0.10	4.3									
32.31	35.36	3.05	2.27	74.4	0.32	14.1									
35.36	38.40	3.04	2.00	65.8	0.00	0.0	fractured, gouge								
38.40	41.45	3.05	1.09	35.7	0.00	0.0	fractured, gouge								
41.45	44.50	3.05	2.04	66.9	0.13	6.4	fractured dyke								
44.50	47.55	3.05	2.23	73.1	0.10	4.5	fractured dyke								
47.55	50.60	3.05	2.94	96.4	0.50	17.0									
	E.O.H.														

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0531-RA1

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

Dec-14-01

We *hereby certify* the following assay of 24 drill core samples submitted Nov-26-01

Sample Name	S-total %	S.G.
2051	0.10	
2052	0.01	
2053	0.02	
2054	0.11	
2055	0.10	
2056	0.09	
2057	0.09	
2058	0.08	
2059	<0.01	
2060	0.04	
2061	0.08	
2062	0.04	
2063	0.02	
2064	0.06	
2065	0.05	
2080	0.26	
2081	0.17	
2082	0.22	
2083	0.15	
2084	0.08	
2085	<0.01	
2086	<0.01	
2087	0.08	
2088	0.04	
*DUP 2051	0.11	
*DUP 2060	0.04	
*DUP 2088	0.08	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0531-RA2

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

Dec-14-01

We *hereby certify* the following assay of 17 drill core samples submitted Nov-26-01

Sample Name	S-total %	S.G.
2089	0.02	
2090	0.01	2.82
2091	<0.01	
2092	<0.01	
2093	0.01	
2094	0.05	
2095	0.04	
2096	0.14	
2097	0.02	
2098	0.02	
2099	0.05	
2100	0.08	
2101	<0.01	
2102	<0.01	
2103	<0.01	
2104	<0.01	
2105	<0.01	
*DUP 2089	0.02	
*DUP 2098	0.02	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	

Certified by _____

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: Drill Core

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0531 RJ
Date : Dec-14-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2051	<0.2	0.85	<5	<1	440	<0.5	<5	1.58	<1	9	31	82	1.84	0.41	0.68	285	2	0.06	11	550	14	<5	2	<10	14	0.10	40	<10	1	35	1
2052	<0.2	1.67	<5	<1	510	<0.5	<5	0.55	<1	17	346	7	2.53	0.48	2.17	245	<2	0.05	166	410	2	5	2	<10	2	0.13	58	<10	2	62	2
2053	<0.2	1.36	<5	<1	30	<0.5	<5	4.05	<1	12	476	137	1.53	0.02	2.39	355	<2	<0.01	110	100	14	5	2	<10	83	0.02	24	<10	1	27	1
2054	<0.2	0.18	<5	<1	10	<0.5	<5	1.57	<1	28	273	18	2.10	<0.01	6.51	535	<2	<0.01	636	60	14	5	1	<10	47	<0.01	6	<10	<1	1	1
2055	<0.2	0.10	<5	<1	10	<0.5	<5	0.45	<1	38	278	6	2.93	<0.01	9.55	715	<2	<0.01	810	30	12	5	2	<10	6	<0.01	5	<10	<1	5	2
2056	<0.2	0.11	<5	<1	10	<0.5	<5	1.08	<1	31	275	7	2.19	<0.01	6.86	545	<2	<0.01	687	20	12	5	1	<10	46	<0.01	7	<10	<1	10	1
2057	<0.2	0.07	<5	<1	10	<0.5	<5	1.05	<1	25	257	8	1.86	<0.01	5.03	465	<2	<0.01	550	10	12	5	1	<10	56	<0.01	8	<10	<1	<1	1
2058	<0.2	0.23	<5	<1	110	<0.5	<5	1.44	<1	28	249	3	2.04	0.03	5.73	565	<2	<0.01	617	120	2	5	1	<10	85	<0.01	9	<10	1	1	1
2059	<0.2	2.40	<5	<1	1890	<0.5	<5	0.41	<1	14	300	<1	2.41	1.30	3.91	280	<2	0.13	206	1020	12	5	2	<10	33	0.11	31	<10	1	42	2
2060	<0.2	2.11	<5	<1	860	<0.5	<5	1.46	<1	22	491	46	3.17	0.63	4.97	495	<2	0.05	308	550	10	5	7	<10	77	0.04	73	<10	2	33	2
2061	<0.2	0.36	<5	<1	20	<0.5	<5	2.71	<1	35	555	20	2.38	<0.01	6.89	725	<2	<0.01	776	70	18	10	3	<10	98	<0.01	18	<10	1	9	1
2062	<0.2	3.11	<5	<1	4360	0.5	<5	4.25	<1	30	514	<1	4.63	1.72	6.57	890	<2	0.07	347	760	10	10	15	<10	285	0.14	124	<10	5	77	3
2063	<0.2	1.53	<5	<1	40	<0.5	<5	2.92	<1	30	728	16	2.70	0.09	8.05	610	<2	0.30	668	150	12	10	5	<10	244	0.01	32	<10	2	16	2
2064	<0.2	0.34	<5	<1	20	<0.5	<5	0.84	<1	41	390	2	3.31	0.01	10.23	680	<2	0.03	851	40	16	5	3	<10	74	<0.01	15	<10	<1	3	2
2065	<0.2	0.99	<5	<1	490	<0.5	<5	1.70	<1	25	420	17	2.33	0.05	6.73	515	<2	0.04	508	30	12	5	3	<10	201	<0.01	20	<10	<1	8	1
2080	<0.2	0.12	235	<1	10	<0.5	<5	0.57	<1	61	377	<1	3.88	<0.01	12.19	1060	<2	<0.01	1270	40	8	5	5	<10	8	<0.01	11	<10	<1	1	2
2081	<0.2	0.16	310	<1	20	<0.5	<5	1.37	<1	59	590	<1	3.77	<0.01	12.59	1355	<2	<0.01	1397	40	8	10	4	<10	40	<0.01	11	<10	<1	4	2
2082	<0.2	0.15	225	<1	10	<0.5	<5	0.43	<1	65	439	8	3.95	<0.01	13.40	1115	<2	<0.01	1334	40	14	10	3	<10	3	<0.01	10	<10	<1	12	2
2083	<0.2	0.19	185	<1	10	<0.5	<5	0.83	<1	66	405	10	3.64	<0.01	12.39	700	<2	<0.01	1429	40	20	5	2	<10	12	<0.01	12	<10	<1	3	2
2084	<0.2	0.13	100	<1	10	<0.5	<5	0.59	<1	56	343	5	3.60	<0.01	10.63	720	<2	<0.01	1469	40	16	5	2	<10	6	<0.01	10	<10	<1	4	2
2085	<0.2	0.05	30	2	10	<0.5	<5	0.32	<1	46	258	<1	4.28	<0.01	8.53	610	<2	<0.01	1269	40	18	5	1	<10	<1	<0.01	7	<10	<1	14	3
2086	<0.2	0.05	25	3	10	<0.5	<5	0.09	<1	49	184	<1	4.46	<0.01	9.96	585	<2	<0.01	1344	40	16	5	1	<10	<1	<0.01	6	<10	<1	3	3
2087	<0.2	0.07	105	3	10	<0.5	<5	0.33	<1	54	261	<1	3.84	<0.01	10.79	700	<2	<0.01	1377	40	10	5	2	<10	<1	<0.01	7	<10	<1	6	2
2088	<0.2	0.04	80	7	10	<0.5	<5	0.29	<1	62	165	<1	4.36	<0.01	12.65	860	<2	<0.01	1531	40	16	5	1	<10	<1	<0.01	5	<10	<1	9	2
2089	<0.2	0.03	40	14	10	<0.5	<5	0.10	<1	59	167	<1	4.48	<0.01	11.62	780	<2	<0.01	1487	50	24	5	1	<10	<1	<0.01	6	<10	<1	33	3
2090	<0.2	0.02	45	20	10	<0.5	<5	0.03	<1	73	109	<1	4.84	<0.01	14.88	825	<2	<0.01	1688	50	20	5	1	<10	<1	<0.01	4	<10	<1	18	3
2091	<0.2	0.01	25	30	10	<0.5	<5	0.03	<1	85	123	<1	5.21	<0.01	>15.00	840	<2	<0.01	1754	50	22	5	2	<10	<1	<0.01	4	<10	<1	23	3
2092	<0.2	0.02	35	27	10	<0.5	<5	0.03	<1	86	154	<1	5.02	<0.01	>15.00	790	<2	<0.01	1704	50	14	5	2	<10	<1	<0.01	5	<10	<1	21	3
2093	<0.2	0.05	140	13	10	<0.5	<5	0.15	<1	54	269	<1	4.34	<0.01	10.16	615	<2	<0.01	1334	50	16	5	2	<10	<1	<0.01	7	<10	<1	19	2
2094	<0.2	0.10	175	2	10	<0.5	<5	0.52	<1	51	383	<1	3.69	<0.01	10.79	775	<2	<0.01	1222	40	22	5	3	<10	3	<0.01	10	<10	<1	13	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: Drill Core

Report No : 1V0531 RJ
Date : Dec-14-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2095	<0.2	0.07	235	<1	10	<0.5	<5	0.25	<1	61	269	<1	4.03	<0.01	12.43	845	<2	<0.01	1196	40	28	5	2	<10	1	<0.01	8	<10	<1	12	2
2096	<0.2	0.06	100	6	10	<0.5	<5	0.67	<1	66	321	<1	4.29	<0.01	14.71	1630	<2	<0.01	1396	50	30	10	2	<10	9	<0.01	7	<10	<1	28	2
2097	<0.2	0.02	70	22	10	<0.5	<5	0.05	<1	69	138	<1	4.96	<0.01	14.05	640	<2	<0.01	1651	60	12	5	2	<10	<1	<0.01	4	<10	<1	14	3
2098	<0.2	0.04	75	26	10	<0.5	<5	0.12	<1	73	178	<1	5.02	<0.01	14.88	540	<2	<0.01	1693	50	18	5	2	<10	<1	<0.01	5	<10	<1	19	3
2099	<0.2	0.02	140	16	10	<0.5	<5	0.31	<1	65	139	<1	4.54	<0.01	12.67	690	<2	<0.01	1591	50	24	5	2	<10	<1	<0.01	4	<10	<1	20	3
2100	<0.2	0.04	205	4	10	<0.5	<5	0.39	<1	58	276	<1	3.92	<0.01	13.91	830	<2	<0.01	1154	40	14	5	2	<10	<1	<0.01	5	<10	<1	44	2
2101	<0.2	0.03	65	3	10	<0.5	<5	0.13	<1	85	185	<1	5.10	<0.01	>15.00	765	<2	<0.01	2469	60	12	5	2	<10	<1	<0.01	3	<10	<1	22	3
2102	<0.2	0.14	95	4	10	<0.5	<5	0.31	<1	70	698	<1	4.58	<0.01	>15.00	655	2	<0.01	2210	50	6	10	3	<10	6	<0.01	5	<10	<1	18	3
2103	<0.2	0.09	115	4	20	<0.5	<5	1.86	<1	69	433	<1	4.48	<0.01	>15.00	640	<2	<0.01	2276	50	12	5	2	<10	86	<0.01	4	<10	<1	16	3
2104	<0.2	0.03	30	<1	10	<0.5	<5	0.11	<1	86	215	<1	5.21	<0.01	>15.00	775	<2	<0.01	2583	50	10	5	2	<10	<1	<0.01	3	<10	<1	21	3
2105	<0.2	0.08	10	2	10	<0.5	<5	0.45	<1	84	297	<1	5.03	<0.01	>15.00	755	<2	<0.01	2445	90	22	5	2	<10	8	<0.01	4	<10	<1	30	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0534-RA1

Dec-14-01

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Nov-27-01

Sample Name	S-total %	S.G.
2106	<0.01	
2107	<0.01	
2066	0.61	
2067	0.53	
2068	0.44	
2069	0.44	
2070	3.17	3.06
2071	7.19	
2072	1.18	
2073	0.08	
2074	0.04	
2075	0.05	
2076	0.04	
2077	0.05	
2078	0.03	
2079	0.07	
2108	2.07	
2109	1.08	
2110	3.15	3.07
2111	2.02	
2112	0.12	
2113	0.50	
2114	0.30	
2115	1.32	
*DUP 2106	<0.01	
*DUP 2073	0.08	
*DUP 2111	2.12	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0534-RA2

Dec-14-01

Company: **Leader Mining International Inc**
Project: Project 345
Attn: Jasi Nikhanj / Mike MacLeod

We *hereby certify* the following assay of 19 core samples submitted Nov-27-01

Sample Name	S-total %	S.G.
2116	0.40	
2117	1.45	
2118	0.24	
2119	0.52	
2120	0.15	
2121	0.81	
2122	0.98	
2123	1.42	
2124	0.95	
2125	0.37	
2126	0.41	
2127	0.76	
2128	0.39	
2129	0.41	
2130	0.35	2.75
2131	<0.01	
2132	2.60	
2133	1.21	
2134	1.63	
*DUP 2116	0.40	
*DUP 2125	0.36	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	

Certified by _____

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: Core

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0534 RJ
Date : Dec-14-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2106	<0.2	0.04	45	2	10	<0.5	<5	0.30	<1	73	211	<1	4.44	<0.01	>15.00	655	<2	<0.01	2114	40	6	5	2	<10	1	<0.01	5	<10	<1	20	3
2107	<0.2	0.04	5	3	10	<0.5	<5	0.20	<1	80	189	<1	4.84	<0.01	>15.00	705	<2	<0.01	2223	50	8	<5	2	<10	<1	<0.01	6	<10	<1	19	3
2066	<0.2	0.03	<5	5	10	<0.5	<5	0.05	<1	70	216	3	4.53	<0.01	>15.00	765	<2	<0.01	2102	50	6	5	2	<10	<1	<0.01	7	<10	<1	48	3
2067	<0.2	0.11	15	15	10	<0.5	<5	0.06	<1	55	384	21	4.27	<0.01	>15.00	790	<2	<0.01	2011	70	6	5	3	<10	<1	<0.01	10	<10	<1	39	3
2068	<0.2	0.14	10	7	10	<0.5	<5	0.02	<1	68	439	27	4.25	<0.01	12.48	575	<2	<0.01	1728	70	6	5	1	<10	<1	<0.01	14	<10	1	33	3
2069	<0.2	0.05	<5	3	10	<0.5	<5	0.02	<1	75	332	20	4.72	<0.01	>15.00	690	<2	<0.01	1943	60	6	5	2	<10	<1	<0.01	11	<10	<1	36	3
2070	<0.2	0.03	5	5	10	<0.5	<5	0.02	<1	114	150	8	5.97	<0.01	14.17	380	<2	<0.01	1965	70	8	5	3	<10	<1	<0.01	9	<10	<1	21	4
2071	<0.2	0.05	75	12	10	<0.5	<5	0.01	<1	106	206	<1	7.83	<0.01	9.68	195	<2	<0.01	2096	100	10	5	3	<10	<1	<0.01	10	<10	<1	25	5
2072	<0.2	0.04	15	14	10	<0.5	<5	0.01	<1	82	181	17	6.08	<0.01	>15.00	770	<2	<0.01	1992	80	8	5	3	<10	<1	<0.01	8	<10	<1	39	4
2073	<0.2	0.12	<5	4	10	<0.5	<5	0.03	<1	78	486	1	5.20	<0.01	>15.00	860	<2	<0.01	1975	60	6	5	3	<10	<1	<0.01	14	<10	<1	51	3
2074	<0.2	0.06	<5	3	10	<0.5	<5	0.04	<1	86	333	2	5.35	<0.01	>15.00	865	<2	<0.01	2140	70	8	5	2	<10	<1	<0.01	10	<10	<1	68	3
2075	<0.2	0.09	10	6	10	<0.5	<5	0.08	<1	84	368	3	5.23	<0.01	>15.00	850	<2	<0.01	1986	100	8	5	4	<10	<1	<0.01	14	<10	<1	49	3
2076	<0.2	0.07	<5	2	10	<0.5	<5	0.04	<1	84	323	<1	5.44	<0.01	>15.00	875	<2	<0.01	2057	70	4	5	3	<10	<1	<0.01	11	<10	<1	52	3
2077	<0.2	0.10	<5	3	10	<0.5	<5	0.07	<1	82	274	11	5.28	<0.01	>15.00	850	<2	<0.01	1836	330	8	5	4	<10	<1	<0.01	14	<10	<1	62	3
2078	<0.2	0.05	<5	3	10	<0.5	<5	0.02	<1	82	271	<1	5.45	<0.01	>15.00	925	<2	<0.01	1985	60	6	5	3	<10	<1	<0.01	10	<10	<1	60	3
2079	<0.2	0.18	<5	2	10	<0.5	<5	0.07	<1	65	413	14	4.55	<0.01	>15.00	760	<2	<0.01	1564	260	6	5	3	<10	<1	<0.01	18	<10	<1	53	3
2108	<0.2	0.15	30	18	10	<0.5	<5	0.03	<1	83	582	49	4.93	<0.01	>15.00	660	<2	<0.01	1989	80	6	10	3	<10	<1	<0.01	13	<10	<1	54	4
2109	<0.2	0.11	25	17	10	<0.5	<5	0.03	<1	82	496	40	4.34	<0.01	>15.00	650	<2	<0.01	2178	70	6	5	3	<10	<1	<0.01	10	<10	<1	50	3
2110	<0.2	0.07	105	67	10	<0.5	<5	0.02	<1	114	369	17	5.83	<0.01	>15.00	770	<2	<0.01	2159	70	8	5	3	<10	<1	0.01	9	<10	<1	43	4
2111	<0.2	0.06	45	45	20	<0.5	<5	0.02	<1	106	309	35	5.44	<0.01	>15.00	1030	<2	<0.01	1948	70	8	5	3	<10	<1	<0.01	9	<10	<1	47	3
2112	<0.2	0.59	5	5	10	<0.5	<5	0.17	<1	57	389	16	3.31	<0.01	13.50	630	<2	<0.01	1508	60	4	5	2	<10	11	<0.01	9	<10	<1	41	2
2113	<0.2	0.07	10	11	20	<0.5	<5	0.02	<1	88	370	84	4.44	<0.01	>15.00	855	<2	<0.01	1897	60	4	5	2	<10	<1	<0.01	9	<10	<1	43	3
2114	<0.2	0.05	<5	5	10	<0.5	<5	0.01	<1	74	369	21	4.65	<0.01	>15.00	915	<2	<0.01	2034	60	8	5	2	<10	<1	<0.01	9	<10	<1	48	3
2115	<0.2	0.10	15	7	10	<0.5	<5	0.01	<1	97	355	16	5.28	<0.01	11.35	475	<2	<0.01	1630	80	4	5	2	<10	<1	<0.01	10	<10	<1	31	4
2116	<0.2	0.02	15	4	10	<0.5	<5	<0.01	<1	83	64	5	5.65	<0.01	>15.00	930	<2	<0.01	1721	70	12	<5	4	<10	<1	<0.01	6	<10	<1	49	3
2117	<0.2	0.02	20	5	10	<0.5	<5	<0.01	<1	80	65	5	5.26	0.01	>15.00	705	<2	<0.01	1907	70	10	<5	3	<10	<1	<0.01	5	<10	<1	42	3
2118	<0.2	0.08	25	10	20	<0.5	<5	<0.01	<1	82	129	1	4.49	0.01	13.11	605	<2	<0.01	1981	60	8	<5	3	<10	<1	<0.01	7	<10	<1	34	3
2119	<0.2	0.07	40	9	20	<0.5	<5	0.01	<1	56	158	2	5.84	0.01	9.72	440	2	<0.01	1655	80	8	5	2	<10	<1	<0.01	15	<10	<1	32	4
2120	<0.2	0.09	40	9	20	<0.5	<5	0.01	<1	82	158	8	5.29	0.01	14.57	705	<2	<0.01	2256	60	8	5	4	<10	<1	<0.01	9	<10	<1	34	3
2121	<0.2	0.06	20	3	10	<0.5	<5	0.01	<1	90	128	10	5.21	0.01	>15.00	630	<2	<0.01	1650	60	10	5	3	<10	<1	<0.01	7	<10	<1	32	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Leader Mining International Inc
Attention: Jasi Nikhanj / Mike MacLeod
Project 345
Sample: Core

Assa[illegible] Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0534 RJ
Date : Dec-14-01

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2122	<0.2	0.07	15	3	20	<0.5	<5	0.01	<1	86	145	2	5.13	0.01	>15.00	605	<2	<0.01	1665	70	8	5	4	<10	<1	<0.01	7	<10	<1	39	3
2123	<0.2	0.08	40	4	10	<0.5	<5	0.01	<1	71	179	<1	7.69	0.01	11.86	380	2	<0.01	1338	100	12	5	3	<10	<1	<0.01	16	<10	<1	26	5
2124	<0.2	0.10	30	3	10	<0.5	<5	0.01	<1	104	168	<1	5.53	0.01	>15.00	460	<2	<0.01	1916	70	10	5	3	<10	<1	<0.01	9	<10	<1	25	3
2125	<0.2	0.15	20	4	20	<0.5	<5	0.01	<1	89	201	<1	5.27	0.01	>15.00	520	<2	<0.01	2160	70	12	5	3	<10	<1	<0.01	9	<10	<1	31	3
2126	<0.2	0.13	45	14	20	<0.5	<5	0.02	<1	92	193	4	5.19	0.01	13.17	505	<2	<0.01	1957	70	8	5	3	<10	<1	<0.01	10	<10	<1	30	3
2127	<0.2	0.10	95	35	20	<0.5	<5	0.02	<1	83	179	14	5.93	0.02	13.84	510	4	<0.01	1781	70	10	5	4	<10	<1	<0.01	10	<10	<1	38	4
2128	<0.2	0.10	25	11	20	<0.5	<5	0.02	<1	79	173	19	5.17	0.02	14.35	510	4	<0.01	1777	80	8	5	3	<10	<1	<0.01	8	<10	<1	36	3
2129	<0.2	0.12	25	5	20	<0.5	<5	0.01	<1	78	191	20	4.47	0.03	>15.00	475	<2	<0.01	1874	60	6	5	4	<10	<1	<0.01	8	<10	<1	34	3
2130	<0.2	0.23	90	<1	20	<0.5	<5	0.06	<1	27	114	29	3.57	0.04	2.50	150	<2	0.02	728	260	8	5	1	<10	<1	<0.01	8	<10	2	30	2
2131	<0.2	0.20	5	<1	20	<0.5	<5	0.06	<1	3	53	2	0.34	0.05	0.32	90	<2	0.06	149	200	4	<5	<1	<10	4	<0.01	1	<10	2	33	1
2132	<0.2	0.29	150	1	30	<0.5	<5	0.02	<1	136	336	168	10.01	0.02	3.00	195	2	<0.01	2478	180	16	5	2	<10	<1	0.01	27	<10	<1	16	6
2133	<0.2	0.17	30	5	20	<0.5	<5	0.02	<1	89	254	3	5.77	0.03	>15.00	575	<2	<0.01	1945	80	10	5	4	<10	<1	<0.01	11	<10	<1	30	4
2134	<0.2	0.16	20	4	20	<0.5	<5	0.02	<1	88	179	12	5.16	0.02	>15.00	485	<2	<0.01	2041	70	8	5	2	<10	<1	<0.01	10	<10	<1	31	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0550-RA1

Jan-08-02

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2135	2.16	
2136	2.38	
2137	1.93	
2138	2.52	
2139	0.05	
2140	<0.01	
2141	<0.01	
2142	<0.01	
2143	0.01	
2144	<0.01	
2145	<0.01	
2146	0.02	
2147	<0.01	
2148	<0.01	
2149	0.02	
2150	0.02	3.13
2151	0.01	
2152	0.02	
2153	0.02	
2154	0.04	
2155	0.36	
2156	0.52	
2157	0.22	
2158	0.18	
*DUP 2135	2.23	
*DUP 2144	<0.01	
*DUP 2154	0.03	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0550-RA2

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2159	0.09	
2160	0.03	
2161	0.01	
2162	<0.01	
2163	0.12	
2164	0.16	
2165	0.34	
2166	0.20	
2167	0.19	
2168	0.08	
2169	0.13	
2170	0.15	3.22
2171	0.26	
2172	0.17	
2173	0.21	
2174	0.69	
2175	0.32	
2176	0.25	
2177	0.33	
2178	0.33	
2179	0.68	
2180	0.45	
2181	0.05	
2182	0.35	
*DUP 2159	0.09	
*DUP 2168	0.08	
*DUP 2178	0.32	
*RTS-1 (1/4)	0.41	
*RTS-2 (1/4)	4.75	
*BLANK	<0.01	

Certified by _____

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0550 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Tl %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2135	<0.2	0.04	45	7	20	<0.5	<5	0.01	<1	88	128	20	5.90	0.01	22.79	665	<2	<0.01	2165	90	10	<5	3	<10	<1	<0.01	9	<10	<1	39	4
2136	<0.2	0.19	15	4	20	<0.5	<5	0.01	<1	86	214	9	5.99	0.04	19.13	545	<2	0.01	1896	80	10	5	3	<10	<1	<0.01	14	<10	<1	34	4
2137	<0.2	0.15	20	4	20	<0.5	<5	0.01	<1	86	217	6	5.42	0.04	22.59	670	<2	0.01	2057	60	8	5	3	<10	<1	<0.01	10	<10	<1	40	3
2138	<0.2	0.39	5	4	30	<0.5	<5	0.01	<1	86	460	8	5.73	0.19	18.19	380	<2	0.01	1819	70	10	5	4	<10	<1	0.01	19	<10	<1	33	4
2139	<0.2	0.28	10	4	20	<0.5	<5	0.34	<1	63	750	20	4.14	<0.01	12.86	625	<2	<0.01	1487	40	8	10	3	<10	<1	<0.01	17	<10	<1	26	2
2140	<0.2	0.13	<5	3	10	<0.5	<5	0.20	<1	73	436	<1	5.00	<0.01	19.93	735	<2	<0.01	1776	50	8	5	3	<10	<1	<0.01	13	<10	<1	22	3
2141	<0.2	0.09	<5	2	10	<0.5	<5	0.15	<1	77	388	<1	5.21	<0.01	20.97	790	<2	<0.01	1912	50	8	5	3	<10	<1	<0.01	11	<10	<1	20	3
2142	<0.2	0.13	<5	3	10	<0.5	<5	0.23	<1	73	507	<1	5.13	<0.01	19.74	790	<2	<0.01	1755	50	8	5	3	<10	<1	<0.01	12	<10	<1	19	3
2143	<0.2	0.16	<5	5	10	<0.5	<5	0.21	<1	74	643	2	5.13	<0.01	19.03	775	<2	<0.01	1751	50	8	5	4	<10	<1	<0.01	14	<10	<1	28	3
2144	<0.2	0.21	<5	6	10	<0.5	<5	0.17	<1	70	689	2	4.83	<0.01	17.55	690	<2	<0.01	1681	50	6	10	5	<10	<1	<0.01	16	<10	<1	21	3
2145	<0.2	0.09	<5	5	10	<0.5	<5	0.35	<1	77	372	<1	5.28	<0.01	21.63	790	<2	<0.01	1872	50	6	5	4	<10	<1	<0.01	11	<10	<1	24	3
2146	<0.2	0.25	<5	8	20	<0.5	<5	1.07	<1	60	1024	8	4.45	<0.01	16.09	640	<2	<0.01	1496	40	6	10	7	<10	4	<0.01	20	<10	<1	28	3
2147	<0.2	0.15	<5	5	10	<0.5	<5	0.42	<1	73	793	<1	5.02	<0.01	20.94	775	<2	<0.01	1806	50	8	10	5	<10	<1	<0.01	13	<10	<1	23	3
2148	<0.2	0.11	<5	4	10	<0.5	<5	0.30	<1	84	605	<1	5.38	<0.01	25.28	805	<2	<0.01	2152	50	8	10	3	<10	<1	<0.01	11	<10	<1	20	3
2149	<0.2	0.09	<5	6	10	<0.5	<5	0.28	<1	80	542	<1	5.05	<0.01	25.00	720	<2	<0.01	2195	50	6	5	3	<10	<1	<0.01	10	<10	<1	17	3
2150	<0.2	0.11	<5	6	10	<0.5	<5	0.30	<1	78	614	<1	5.05	<0.01	23.00	720	<2	<0.01	1985	50	6	5	3	<10	<1	<0.01	10	<10	<1	29	3
2151	<0.2	0.19	<5	8	10	<0.5	<5	0.40	<1	81	944	<1	5.22	<0.01	23.18	760	<2	<0.01	2001	50	6	10	4	<10	<1	<0.01	15	<10	<1	21	3
2152	<0.2	0.16	<5	6	10	<0.5	<5	0.52	<1	82	746	<1	5.45	<0.01	24.28	790	<2	<0.01	2070	50	8	10	4	<10	<1	<0.01	14	<10	<1	19	3
2153	<0.2	0.12	<5	6	10	<0.5	<5	0.27	<1	81	547	<1	5.16	<0.01	22.75	735	<2	<0.01	2053	50	10	5	3	<10	<1	<0.01	12	<10	<1	21	3
2154	<0.2	0.13	<5	7	10	<0.5	<5	0.28	<1	77	694	1	4.96	<0.01	20.94	715	<2	<0.01	1947	50	4	10	3	<10	<1	<0.01	12	<10	<1	16	3
2155	<0.2	0.17	5	6	10	<0.5	<5	0.35	<1	73	815	43	4.18	<0.01	16.13	755	<2	<0.01	1793	40	4	10	3	<10	<1	<0.01	12	<10	<1	69	2
2156	<0.2	0.07	<5	5	10	<0.5	<5	0.11	<1	77	399	40	4.29	<0.01	16.16	1025	<2	<0.01	1824	40	6	5	2	<10	<1	<0.01	8	<10	<1	19	2
2157	<0.2	0.14	5	<1	10	<0.5	<5	0.90	<1	62	529	50	4.13	<0.01	12.13	995	<2	<0.01	1484	40	6	10	6	<10	<1	<0.01	11	<10	<1	33	2
2158	<0.2	0.09	25	2	10	<0.5	<5	0.21	<1	67	285	54	4.32	<0.01	14.44	1145	<2	<0.01	1657	40	4	5	3	<10	<1	<0.01	9	<10	<1	40	2
2159	<0.2	0.06	10	7	10	<0.5	<5	0.33	<1	72	340	16	4.49	<0.01	17.21	780	<2	<0.01	1887	40	8	5	3	<10	<1	<0.01	9	<10	<1	25	3
2160	<0.2	0.07	10	6	10	<0.5	<5	0.50	<1	75	398	<1	4.87	<0.01	20.25	720	<2	<0.01	1913	40	8	5	3	<10	<1	<0.01	9	<10	<1	24	3
2161	<0.2	0.07	5	6	10	<0.5	<5	0.38	<1	72	359	<1	4.91	<0.01	20.39	710	<2	<0.01	1844	40	10	5	3	<10	<1	<0.01	10	<10	<1	20	3
2162	<0.2	0.11	10	8	10	<0.5	<5	0.19	<1	82	631	<1	5.42	<0.01	23.27	830	<2	<0.01	2013	50	10	5	3	<10	<1	<0.01	11	<10	<1	31	3
2163	<0.2	0.04	<5	2	10	<0.5	<5	0.03	<1	87	188	<1	5.24	<0.01	27.07	845	<2	<0.01	2284	50	6	5	3	<10	<1	<0.01	8	<10	<1	42	3
2164	<0.2	0.02	<5	2	10	<0.5	<5	0.01	<1	86	120	4	5.11	<0.01	27.91	825	<2	<0.01	2284	50	8	5	2	<10	<1	<0.01	7	<10	<1	37	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0550 RJ .
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Tl %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2165	<0.2	0.02	<5	9	10	<0.5	<5	0.01	<1	87	142	7	4.98	<0.01	26.68	805	<2	<0.01	2348	50	10	5	3	<10	<1	<0.01	7	<10	<1	37	3
2166	<0.2	0.02	<5	2	10	<0.5	<5	0.01	<1	87	130	2	5.10	<0.01	28.59	850	<2	<0.01	2379	50	6	5	2	<10	<1	<0.01	7	<10	<1	42	3
2167	<0.2	0.04	<5	2	10	<0.5	<5	0.03	<1	85	190	1	4.95	<0.01	27.60	835	<2	<0.01	2341	50	6	5	2	<10	<1	<0.01	8	<10	<1	41	3
2168	<0.2	0.04	<5	2	10	<0.5	<5	0.03	<1	86	216	<1	5.12	<0.01	28.46	825	<2	<0.01	2368	50	8	5	2	<10	<1	<0.01	7	<10	<1	43	3
2169	<0.2	0.05	<5	3	10	<0.5	<5	0.03	<1	83	249	<1	4.86	<0.01	26.40	820	<2	<0.01	2246	50	10	5	3	<10	<1	<0.01	8	<10	<1	43	3
2170	<0.2	0.04	<5	3	10	<0.5	<5	0.03	<1	87	208	1	5.03	<0.01	27.44	890	<2	<0.01	2301	50	6	5	3	<10	<1	<0.01	8	<10	<1	49	3
2171	<0.2	0.05	<5	5	10	<0.5	<5	0.02	<1	89	251	5	5.10	<0.01	26.58	985	<2	<0.01	2340	50	8	5	3	<10	<1	<0.01	10	<10	<1	62	3
2172	<0.2	0.04	<5	3	10	<0.5	<5	0.01	<1	88	221	6	5.27	<0.01	27.74	975	<2	<0.01	2357	50	8	5	2	<10	<1	<0.01	9	<10	<1	56	3
2173	<0.2	0.02	<5	1	10	<0.5	<5	0.01	<1	89	155	6	5.58	<0.01	27.80	960	<2	<0.01	2308	50	8	5	3	<10	<1	<0.01	8	<10	<1	49	3
2174	<0.2	0.02	50	18	10	<0.5	<5	0.03	<1	88	169	14	5.57	0.01	23.07	810	<2	<0.01	2163	60	10	5	3	<10	<1	<0.01	9	<10	<1	38	3
2175	<0.2	0.04	<5	2	10	<0.5	<5	0.14	<1	83	220	2	5.47	<0.01	25.34	965	<2	<0.01	2142	50	8	5	3	<10	<1	<0.01	12	<10	<1	50	3
2176	<0.2	0.08	<5	2	10	<0.5	<5	0.06	<1	80	364	1	5.10	<0.01	24.87	895	<2	<0.01	2117	50	10	5	3	<10	<1	<0.01	12	<10	<1	48	3
2177	<0.2	0.06	<5	2	10	<0.5	<5	0.02	<1	84	291	2	5.24	<0.01	24.39	890	<2	<0.01	2126	50	8	5	3	<10	<1	<0.01	12	<10	<1	51	3
2178	<0.2	0.10	<5	2	10	<0.5	<5	0.01	<1	82	431	6	5.13	<0.01	23.66	880	<2	<0.01	2317	50	8	5	4	<10	<1	<0.01	13	<10	<1	60	3
2179	<0.2	0.06	10	5	10	<0.5	<5	0.01	<1	88	276	17	5.47	<0.01	22.69	865	<2	<0.01	2107	60	8	5	4	<10	<1	<0.01	12	<10	<1	49	3
2180	<0.2	0.04	5	2	10	<0.5	<5	0.01	<1	91	200	16	5.71	<0.01	24.52	950	<2	<0.01	2236	60	10	5	3	<10	<1	<0.01	11	<10	<1	51	3
2181	<0.2	0.04	<5	1	10	<0.5	<5	0.01	<1	90	183	20	5.77	<0.01	25.52	1045	<2	<0.01	2441	60	8	5	3	<10	<1	<0.01	11	<10	<1	55	3
2182	<0.2	0.08	5	2	20	<0.5	<5	0.01	<1	97	346	38	5.68	<0.01	23.58	965	<2	<0.01	2302	60	10	5	4	<10	<1	<0.01	13	<10	<1	55	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0551-RA1

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2183	0.34	
2184	0.90	
2185	0.73	
2186	0.42	
2187	1.09	
2188	0.81	
2189	1.87	
2190	3.23	2.94
2191	2.78	
2192	2.23	
2193	1.05	
2194	2.28	
2195	2.07	
2196	0.85	
2197	0.55	
2198	0.85	
2199	1.28	
2200	0.93	
2201	0.37	
2202	0.38	
2203	0.83	
2204	0.40	
2205	0.42	
2206	1.09	
*DUP 2183	0.35	
*DUP 2192	2.20	
*DUP 2202	0.38	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0551-RA2

Jan-08-02

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2207	0.46	
2208	1.87	
2209	0.62	
2210	0.31	3.30
2211	0.88	
2212	1.49	
2213	2.89	
2214	3.21	
2215	5.02	
2216	6.51	
2217	0.93	
2218	0.92	
2219	3.28	
2220	0.57	
2221	0.53	
2222	0.95	
2223	2.81	
2224	1.14	
2225	1.58	
2226	1.23	
2227	2.38	
2228	3.03	
2229	5.41	
2230	4.86	3.16
*DUP 2207	0.50	
*DUP 2216	6.75	
*DUP 2226	1.21	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0551 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2183	<0.2	0.05	<5	2	10	<0.5	<5	0.01	<1	80	229	37	5.38	<0.01	24.80	1045	<2	<0.01	2257	60	28	5	4	<10	<1	<0.01	10	<10	<1	49	3
2184	<0.2	0.08	40	12	10	<0.5	<5	0.01	<1	105	307	21	5.75	<0.01	15.95	745	<2	<0.01	2194	80	36	5	4	<10	<1	<0.01	11	<10	<1	34	4
2185	<0.2	0.11	45	16	10	<0.5	<5	0.01	<1	96	346	48	5.36	<0.01	22.03	970	<2	<0.01	2367	60	14	5	5	<10	<1	<0.01	11	<10	<1	47	3
2186	<0.2	0.18	60	27	10	<0.5	<5	0.01	<1	85	401	21	5.62	<0.01	14.10	635	<2	<0.01	2178	70	16	5	4	<10	<1	<0.01	15	<10	<1	31	3
2187	<0.2	0.38	30	18	10	<0.5	<5	0.04	<1	78	403	73	5.57	<0.01	13.35	840	<2	<0.01	1685	70	14	5	5	<10	<1	<0.01	24	<10	<1	38	3
2188	<0.2	0.06	15	10	10	<0.5	<5	0.01	<1	81	222	85	5.66	<0.01	22.25	1110	<2	<0.01	2255	60	20	5	6	<10	<1	<0.01	11	<10	<1	48	3
2189	<0.2	0.05	45	18	10	<0.5	<5	0.02	<1	81	207	22	5.56	<0.01	24.98	1030	<2	<0.01	2237	60	16	5	4	<10	<1	<0.01	9	<10	<1	49	3
2190	<0.2	0.19	85	39	10	<0.5	<5	0.03	<1	87	434	3	7.06	<0.01	17.01	625	6	<0.01	1891	90	22	5	3	<10	<1	<0.01	18	<10	<1	30	4
2191	<0.2	0.15	35	15	10	<0.5	<5	0.02	<1	86	384	2	6.30	<0.01	18.47	730	2	<0.01	2122	90	16	5	3	<10	<1	<0.01	16	<10	<1	44	4
2192	<0.2	0.32	60	7	10	<0.5	<5	0.02	<1	101	476	<1	8.00	<0.01	5.32	265	10	<0.01	1586	100	20	10	3	<10	<1	<0.01	21	<10	<1	19	5
2193	<0.2	0.34	35	8	10	<0.5	<5	0.02	<1	58	278	<1	4.61	0.01	10.60	270	<2	<0.01	1424	70	20	5	2	<10	<1	<0.01	17	<10	<1	14	3
2194	<0.2	0.05	160	31	10	<0.5	<5	0.03	<1	95	267	<1	6.71	<0.01	10.32	365	<2	<0.01	1623	100	14	5	2	<10	<1	<0.01	12	<10	<1	21	4
2195	<0.2	0.10	100	25	10	<0.5	<5	0.02	<1	98	279	8	5.23	<0.01	24.28	770	<2	<0.01	2187	60	14	5	3	<10	<1	<0.01	10	<10	<1	38	3
2196	<0.2	0.39	15	6	10	<0.5	<5	0.02	<1	76	309	25	5.18	<0.01	16.85	725	<2	<0.01	1711	60	18	5	3	<10	<1	<0.01	17	<10	<1	51	3
2197	<0.2	0.12	10	7	10	<0.5	<5	0.02	<1	84	348	20	5.65	<0.01	22.42	950	<2	<0.01	2170	60	26	5	3	<10	<1	<0.01	14	<10	<1	58	3
2198	<0.2	0.11	10	6	10	<0.5	<5	0.03	<1	91	337	26	6.05	<0.01	24.20	1020	<2	<0.01	2224	60	20	5	3	<10	<1	<0.01	13	<10	<1	58	4
2199	<0.2	0.11	30	43	10	<0.5	<5	0.03	<1	84	364	25	5.24	<0.01	18.62	805	<2	<0.01	2002	60	18	5	4	<10	<1	<0.01	13	<10	<1	41	3
2200	<0.2	0.07	45	21	10	<0.5	<5	0.03	<1	91	297	44	5.91	<0.01	18.65	810	<2	<0.01	1863	70	14	5	3	<10	<1	<0.01	13	<10	<1	45	4
2201	<0.2	0.04	15	8	10	<0.5	<5	0.02	<1	89	182	18	5.84	<0.01	26.03	980	<2	<0.01	2247	60	12	5	3	<10	<1	<0.01	10	<10	<1	59	3
2202	<0.2	0.14	15	6	10	<0.5	<5	0.02	<1	85	305	20	5.84	<0.01	23.98	970	<2	<0.01	2156	60	18	5	4	<10	<1	<0.01	13	<10	<1	57	3
2203	<0.2	0.13	15	8	10	<0.5	<5	0.03	<1	83	407	28	5.81	<0.01	22.00	975	<2	<0.01	2023	60	24	5	4	<10	<1	<0.01	16	<10	<1	58	4
2204	<0.2	0.08	5	4	10	<0.5	<5	0.01	<1	83	282	15	5.79	<0.01	25.16	980	<2	<0.01	2107	60	24	5	4	<10	<1	<0.01	12	<10	<1	62	3
2205	<0.2	0.05	15	18	10	<0.5	<5	0.01	<1	83	218	19	5.63	<0.01	24.66	935	<2	<0.01	2168	60	18	5	3	<10	<1	<0.01	11	<10	<1	50	3
2206	<0.2	0.06	55	43	10	<0.5	<5	0.02	<1	84	266	16	5.33	<0.01	21.71	800	<2	<0.01	2065	60	20	5	4	<10	<1	<0.01	10	<10	<1	43	3
2207	<0.2	0.05	10	13	10	<0.5	<5	0.04	<1	92	210	12	5.97	<0.01	27.48	1030	<2	<0.01	2353	60	30	5	3	10	<1	<0.01	11	<10	<1	54	3
2208	<0.2	0.05	5	11	10	<0.5	<5	0.21	<1	88	202	18	6.21	<0.01	23.94	860	6	<0.01	2225	60	18	5	3	<10	<1	<0.01	11	<10	<1	43	4
2209	<0.2	0.05	<5	3	10	<0.5	<5	0.01	<1	91	255	31	6.29	<0.01	27.60	1005	<2	<0.01	2369	60	16	5	3	<10	<1	<0.01	11	<10	<1	50	4
2210	<0.2	0.04	<5	<1	10	<0.5	<5	0.02	<1	93	236	18	6.27	<0.01	28.44	985	<2	<0.01	2399	60	24	5	3	<10	<1	<0.01	11	<10	<1	49	4
2211	<0.2	0.06	<5	2	10	<0.5	<5	0.04	<1	86	296	28	5.71	<0.01	25.85	910	<2	<0.01	2216	50	16	5	4	<10	<1	<0.01	12	<10	<1	50	3
2212	<0.2	0.03	10	3	10	<0.5	<5	0.03	<1	93	159	17	5.79	<0.01	25.83	880	<2	<0.01	2260	60	12	5	3	<10	<1	<0.01	9	<10	<1	45	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 **Fax:** (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

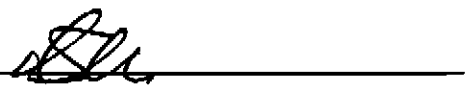
Report No : 1V0551 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2213	<0.2	0.05	60	21	10	<0.5	<5	0.01	<1	103	224	27	5.95	<0.01	25.50	960	<2	<0.01	2231	60	18	5	3	<10	<1	<0.01	10	<10	<1	46	4
2214	<0.2	0.16	70	18	10	<0.5	<5	0.03	<1	84	396	36	5.00	<0.01	18.34	845	<2	<0.01	1839	60	26	5	3	<10	<1	<0.01	13	<10	<1	41	3
2215	<0.2	0.14	45	20	10	<0.5	<5	0.02	<1	63	388	22	6.78	<0.01	11.61	385	<2	<0.01	1696	100	30	5	3	<10	<1	<0.01	16	<10	1	54	4
2216	<0.2	0.08	<5	1	10	<0.5	<5	0.04	<1	92	260	3	7.24	0.01	7.48	215	<2	<0.01	1980	130	20	5	2	<10	<1	<0.01	14	<10	<1	18	4
2217	<0.2	0.17	<5	5	10	<0.5	<5	0.04	<1	86	368	34	5.86	<0.01	21.75	1095	<2	<0.01	2113	60	20	5	3	<10	<1	<0.01	16	<10	<1	66	4
2218	<0.2	0.14	<5	4	10	<0.5	<5	0.04	<1	88	383	27	6.08	<0.01	22.86	1180	<2	<0.01	2103	60	28	5	4	<10	<1	<0.01	17	<10	<1	67	4
2219	<0.2	0.08	15	26	10	<0.5	<5	0.49	<1	88	295	27	6.89	<0.01	20.11	850	<2	<0.01	2107	70	20	5	4	<10	<1	<0.01	16	<10	<1	52	5
2220	<0.2	0.08	<5	1	10	<0.5	<5	0.03	<1	82	320	9	5.57	<0.01	23.51	1045	<2	<0.01	2065	50	12	5	4	<10	<1	<0.01	15	<10	<1	70	3
2221	<0.2	0.12	<5	2	10	<0.5	<5	0.03	<1	85	445	8	5.66	<0.01	24.32	1100	<2	<0.01	2129	50	14	5	4	<10	<1	<0.01	17	<10	<1	74	3
2222	<0.2	0.09	<5	3	10	<0.5	<5	0.01	<1	82	361	21	5.43	<0.01	21.85	975	<2	<0.01	2085	60	28	5	5	<10	<1	<0.01	15	<10	<1	73	3
2223	<0.2	0.10	5	6	10	<0.5	<5	0.03	<1	81	322	19	5.92	<0.01	20.62	795	<2	<0.01	2012	60	24	5	4	<10	<1	<0.01	13	<10	<1	39	4
2224	<0.2	0.08	<5	2	10	<0.5	<5	0.01	<1	72	360	40	5.26	<0.01	23.86	1020	<2	<0.01	2166	60	14	5	4	<10	<1	<0.01	13	<10	<1	62	3
2225	<0.2	0.09	<5	3	10	<0.5	<5	0.01	<1	77	372	40	5.56	<0.01	24.03	1040	<2	<0.01	2130	60	12	5	5	<10	<1	<0.01	14	<10	<1	47	3
2226	<0.2	0.06	<5	2	10	<0.5	<5	0.05	<1	80	291	34	5.58	<0.01	23.99	1050	<2	<0.01	2129	60	16	5	4	<10	<1	<0.01	13	<10	<1	50	3
2227	<0.2	0.10	<5	2	10	<0.5	<5	0.06	<1	86	374	27	5.96	<0.01	22.10	910	<2	<0.01	2017	60	12	5	5	<10	<1	<0.01	14	<10	<1	42	4
2228	<0.2	0.11	<5	3	10	<0.5	<5	0.05	<1	104	312	15	6.28	<0.01	23.33	860	<2	<0.01	2054	60	18	5	5	<10	<1	<0.01	13	<10	<1	36	4
2229	<0.2	0.11	15	13	10	<0.5	<5	0.10	<1	81	333	3	6.51	<0.01	19.27	580	<2	<0.01	1892	80	22	5	3	<10	<1	<0.01	13	<10	<1	26	4
2230	<0.2	0.08	40	15	10	<0.5	<5	0.71	<1	82	352	6	5.70	<0.01	16.58	485	<2	<0.01	1920	90	40	5	4	<10	1	<0.01	12	<10	<1	22	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: 

ASSAYERS CANADA

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0552-RA1

Jan-08-02

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2231	7.34	
2232	3.73	
2233	5.48	
2234	5.33	
2235	0.38	
2236	0.61	
2237	0.38	
2238	0.70	
2239	0.86	
2240	0.66	
2241	1.52	
2242	1.66	
2243	0.72	
2244	1.60	
2245	1.22	
2246	0.43	
2247	0.90	
2248	4.34	
2249	3.14	
2250	3.79	3.14
2251	3.87	
2252	2.05	
2253	1.54	
2254	3.53	
*DUP 2231	6.73	
*DUP 2240	0.69	
*DUP 2250	3.84	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*Blank	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

1V-0552-RA2

Jan-08-02

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2255	7.34	
2256	3.73	
2257	5.48	
2258	5.33	
2259	0.38	
2260	0.61	
2261	0.38	
2262	0.70	
2263	0.86	
2264	0.66	
2265	1.52	
2266	1.66	
2267	0.72	
2268	1.60	
2269	1.22	
2270	0.43	2.70
2271	0.90	
2272	4.34	
2273	3.14	
2274	3.79	
2275	3.87	
2276	2.05	
2277	1.54	
2278	3.53	
*DUP 2255	6.73	
*DUP 2264	0.69	
*DUP 2274	3.84	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*Blank	<0.01	

Certified by _____

Assaye Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0552 RJ
Date : Jan-08-02

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2231	<0.2	0.06	10	4	10	<0.5	<5	0.28	<1	74	292	5	7.12	<0.01	10.63	245	10	<0.01	1439	90	14	5	2	<10	<1	<0.01	13	<10	1	15	4
2232	<0.2	0.07	5	10	10	<0.5	<5	0.64	<1	78	285	4	4.96	<0.01	21.88	500	<2	<0.01	1945	80	10	5	3	<10	10	<0.01	8	<10	<1	27	3
2233	<0.2	0.06	90	35	10	<0.5	<5	0.48	<1	93	261	<1	5.83	<0.01	17.80	375	<2	<0.01	1926	80	10	5	3	<10	<1	<0.01	10	<10	<1	20	4
2234	<0.2	0.04	15	4	10	<0.5	<5	0.25	<1	91	219	<1	5.76	<0.01	19.11	375	<2	<0.01	1952	80	8	5	3	<10	<1	<0.01	9	<10	<1	21	4
2235	<0.2	0.07	35	5	20	<0.5	<5	0.02	<1	71	315	10	5.56	<0.01	17.36	800	<2	<0.01	1581	80	8	5	7	<10	<1	<0.01	12	<10	<1	48	4
2236	<0.2	0.06	75	2	10	<0.5	<5	0.02	<1	93	333	<1	6.44	<0.01	13.83	705	<2	<0.01	1675	80	10	5	6	<10	<1	<0.01	16	<10	<1	43	4
2237	<0.2	0.06	40	1	10	<0.5	<5	0.01	<1	90	248	<1	5.36	<0.01	18.35	790	<2	<0.01	2190	70	8	5	5	<10	<1	<0.01	9	<10	<1	40	3
2238	<0.2	0.07	30	3	10	<0.5	<5	0.01	<1	92	282	10	5.83	<0.01	21.36	960	<2	<0.01	2177	70	10	5	5	<10	<1	<0.01	11	<10	<1	51	4
2239	<0.2	0.09	10	2	10	<0.5	<5	0.01	<1	78	338	18	5.46	<0.01	21.64	1000	<2	<0.01	2459	60	10	5	6	<10	<1	<0.01	13	<10	<1	49	3
2240	<0.2	0.08	30	4	10	<0.5	<5	0.01	<1	92	316	25	5.89	<0.01	22.36	1055	<2	<0.01	2231	70	10	5	6	<10	<1	<0.01	11	<10	<1	56	4
2241	<0.2	0.07	10	3	10	<0.5	<5	0.01	<1	85	298	47	5.44	<0.01	21.60	925	<2	<0.01	2075	60	10	5	5	<10	<1	<0.01	11	<10	<1	49	3
2242	<0.2	0.08	10	3	10	<0.5	<5	0.01	<1	85	446	26	5.68	<0.01	22.82	950	<2	<0.01	2143	60	10	5	5	<10	<1	<0.01	17	<10	<1	64	4
2243	<0.2	0.11	15	3	20	<0.5	<5	0.01	<1	94	516	13	5.90	<0.01	22.36	930	<2	<0.01	2555	60	10	10	5	<10	<1	<0.01	17	<10	<1	64	4
2244	<0.2	0.07	15	2	10	<0.5	<5	0.01	<1	93	318	5	5.70	<0.01	22.77	835	<2	<0.01	2141	60	10	5	5	<10	<1	<0.01	12	<10	<1	50	4
2245	<0.2	0.08	10	2	10	<0.5	<5	0.01	<1	78	389	18	5.43	<0.01	22.48	880	<2	<0.01	2110	60	8	5	5	<10	<1	<0.01	14	<10	<1	56	3
2246	<0.2	0.03	75	1	10	<0.5	<5	0.01	<1	59	206	<1	5.07	<0.01	9.86	445	2	<0.01	1393	70	8	5	3	<10	<1	<0.01	10	<10	<1	32	3
2247	<0.2	0.06	105	6	10	<0.5	<5	0.01	<1	51	469	<1	6.65	<0.01	8.58	315	6	<0.01	1239	110	12	10	3	<10	<1	<0.01	20	<10	<1	36	4
2248	<0.2	0.10	35	3	10	<0.5	<5	0.01	<1	88	426	<1	5.78	<0.01	20.32	560	<2	<0.01	2090	70	8	5	6	<10	<1	<0.01	12	<10	<1	42	4
2249	<0.2	0.10	35	2	10	<0.5	<5	0.01	<1	92	480	<1	5.85	<0.01	21.02	625	<2	<0.01	2030	60	10	10	6	<10	<1	<0.01	12	<10	<1	36	4
2250	<0.2	0.10	20	3	10	<0.5	<5	0.02	<1	95	394	1	5.87	<0.01	21.31	615	<2	<0.01	2046	70	8	5	5	<10	<1	<0.01	11	<10	<1	144	4
2251	<0.2	0.24	15	<1	10	<0.5	<5	0.01	<1	75	373	<1	5.89	<0.01	10.87	330	<2	<0.01	1701	70	10	5	4	<10	<1	<0.01	19	<10	1	41	4
2252	<0.2	0.35	5	<1	20	<0.5	<5	0.01	<1	101	440	14	5.54	<0.01	18.19	710	<2	<0.01	2011	60	10	10	6	<10	<1	0.01	22	<10	1	52	3
2253	<0.2	0.08	<5	<1	20	<0.5	<5	0.01	<1	80	447	14	5.88	<0.01	23.03	900	<2	<0.01	2166	60	12	5	5	<10	<1	<0.01	15	<10	<1	62	4
2254	<0.2	0.09	10	1	10	<0.5	<5	0.01	<1	91	341	2	5.80	<0.01	20.30	585	<2	<0.01	2093	70	8	5	5	<10	<1	<0.01	11	<10	<1	48	4
2255	<0.2	0.07	10	3	10	<0.5	<5	0.03	<1	72	250	17	5.42	<0.01	20.99	700	<2	<0.01	2162	60	8	5	4	<10	<1	<0.01	9	<10	<1	30	3
2256	<0.2	0.09	<5	2	10	<0.5	<5	0.02	<1	83	278	19	5.31	<0.01	26.08	925	<2	<0.01	2240	60	8	5	3	<10	<1	<0.01	10	<10	<1	58	3
2257	<0.2	0.19	5	8	10	<0.5	<5	0.07	<1	82	497	3	5.17	<0.01	19.51	890	<2	<0.01	2193	50	6	5	3	<10	<1	<0.01	17	<10	1	39	3
2258	<0.2	0.20	10	9	20	<0.5	<5	0.02	<1	87	586	18	5.32	<0.01	18.54	930	<2	<0.01	2317	50	10	10	3	<10	<1	<0.01	18	<10	1	37	3
2259	<0.2	0.12	5	8	10	<0.5	<5	0.05	<1	87	530	7	5.47	<0.01	19.03	840	<2	<0.01	2186	50	8	10	3	<10	<1	<0.01	15	<10	<1	30	3
2260	<0.2	0.13	<5	7	10	<0.5	<5	0.11	<1	77	640	7	4.86	<0.01	15.01	635	<2	<0.01	1970	50	8	10	3	<10	<1	<0.01	17	<10	<1	27	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0552 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2261	<0.2	0.22	10	13	20	<0.5	<5	0.05	<1	102	565	45	5.95	<0.01	15.10	755	<2	<0.01	2262	80	12	10	4	<10	<1	<0.01	22	<10	<1	33	4
2262	<0.2	0.14	<5	5	10	<0.5	<5	0.16	<1	79	624	2	4.87	<0.01	17.29	715	<2	<0.01	2034	50	6	10	3	<10	<1	<0.01	16	<10	<1	24	3
2263	<0.2	0.08	<5	3	10	<0.5	<5	0.02	<1	87	336	2	5.38	<0.01	20.37	880	<2	<0.01	2231	50	10	5	3	<10	<1	<0.01	11	<10	<1	29	3
2264	<0.2	0.08	<5	3	10	<0.5	<5	0.02	<1	84	313	19	4.94	<0.01	16.87	745	<2	<0.01	2040	50	6	5	3	<10	<1	<0.01	10	<10	<1	23	3
2265	<0.2	0.09	<5	5	10	<0.5	<5	0.01	<1	84	329	30	5.02	<0.01	17.09	800	2	<0.01	2110	50	8	5	4	<10	<1	<0.01	10	<10	<1	27	3
2266	<0.2	0.10	<5	4	10	<0.5	<5	0.01	<1	81	386	16	4.84	<0.01	16.82	770	<2	<0.01	2210	50	8	5	4	<10	<1	<0.01	12	<10	<1	30	3
2267	<0.2	0.13	5	7	20	<0.5	<5	0.01	<1	90	560	34	4.71	<0.01	14.37	600	<2	<0.01	1916	60	8	10	6	<10	<1	<0.01	13	<10	<1	38	3
2268	<0.2	0.13	10	12	10	<0.5	<5	0.02	<1	86	486	21	5.07	<0.01	16.12	810	<2	<0.01	2143	60	6	10	4	<10	<1	<0.01	12	<10	<1	41	3
2269	<0.2	0.15	70	33	20	<0.5	<5	0.01	<1	79	614	39	5.09	<0.01	14.24	850	<2	<0.01	2174	50	8	10	4	<10	<1	<0.01	15	<10	<1	36	3
2270	<0.2	0.16	10	11	20	<0.5	<5	0.01	<1	80	535	37	5.18	<0.01	14.88	895	<2	<0.01	2313	50	6	10	5	<10	<1	<0.01	14	<10	<1	37	3
2271	<0.2	0.15	35	21	20	<0.5	<5	0.01	<1	105	567	69	5.11	<0.01	15.26	1170	<2	<0.01	2841	60	12	10	4	<10	<1	<0.01	17	<10	<1	36	3
2272	<0.2	0.12	10	10	10	<0.5	<5	0.06	<1	88	632	21	5.59	<0.01	14.63	695	<2	<0.01	2032	60	10	10	4	<10	<1	<0.01	17	<10	<1	26	3
2273	<0.2	0.08	60	19	10	<0.5	<5	0.01	<1	95	404	<1	6.82	<0.01	7.76	305	<2	<0.01	2053	70	10	10	3	<10	<1	<0.01	14	<10	<1	6	4
2274	<0.2	0.09	130	37	20	<0.5	<5	0.02	<1	89	492	<1	10.94	<0.01	10.24	505	<2	<0.01	1971	140	16	10	2	<10	<1	<0.01	22	<10	<1	16	7
2275	<0.2	0.05	10	9	10	<0.5	<5	0.02	<1	92	317	4	5.38	<0.01	22.45	805	<2	<0.01	2281	50	10	5	3	<10	<1	<0.01	11	<10	<1	23	3
2276	<0.2	0.07	10	11	20	<0.5	<5	0.01	<1	94	401	6	5.65	<0.01	21.77	810	<2	<0.01	2213	50	10	5	3	<10	<1	<0.01	11	<10	<1	23	3
2277	<0.2	0.07	85	18	10	<0.5	<5	0.01	<1	93	373	<1	8.79	<0.01	5.29	210	<2	<0.01	1914	110	12	10	3	<10	<1	<0.01	15	<10	<1	2	5
2278	<0.2	0.12	30	12	20	<0.5	<5	0.02	<1	81	662	25	6.84	<0.01	20.01	705	<2	<0.01	2322	80	10	10	3	<10	<1	<0.01	17	<10	<1	26	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H2O.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0553-RA1

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2279	0.03	
2280	0.11	
2281	0.06	
2282	0.91	
2283	1.03	
2284	1.30	
2285	0.78	
2286	0.29	
2287	0.38	
2288	0.53	
2289	0.40	
2290	1.64	3.08
2291	1.27	
2292	4.09	
2293	2.17	
2294	2.82	
2295	3.81	
2296	4.25	
2297	3.05	
2298	6.70	
2299	2.54	
2300	9.96	
2301	1.15	
2302	0.50	
*DUP 2279	0.02	
*DUP 2288	0.58	
*DUP 2298	6.87	
*RTS-1 (1/4)	0.40	
*RTS-2 (1/4)	4.76	
*Blank	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

1V-0553-RA2

Jan-08-02

Company: **Leader Mining International Inc**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 13 core samples submitted Dec-05-01 by Craig Payne.

Sample Name	S (t) %	S.G.
2303	0.83	
2304	0.90	
2305	1.24	
2306	1.09	
2307	0.61	
2308	0.71	
2309	0.42	
2310	0.48	2.86
2311	0.62	
2312	0.45	
2313	<0.01	
2314	<0.01	
2315	0.02	
*DUP 2303	0.84	
*DUP 2312	0.43	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*Blank	<0.01	

Certified by _____

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0553 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2279	<0.2	0.06	<5	3	10	<0.5	<5	0.09	<1	91	306	<1	5.70	<0.01	27.63	875	<2	<0.01	2321	50	10	5	3	<10	<1	<0.01	10	<10	<1	31	3
2280	<0.2	0.22	<5	<1	30	<0.5	<5	0.02	<1	34	223	34	2.59	0.05	2.74	215	<2	0.02	626	100	8	5	1	<10	<1	<0.01	7	<10	1	23	2
2281	<0.2	0.14	<5	<1	20	<0.5	<5	0.01	<1	73	324	13	4.82	0.01	16.66	895	2	<0.01	1628	60	8	5	4	<10	<1	<0.01	12	<10	<1	62	3
2282	<0.2	0.18	10	3	20	<0.5	<5	0.02	<1	114	412	58	6.27	0.01	13.63	1085	4	<0.01	1887	80	12	5	5	<10	<1	0.01	19	<10	1	160	4
2283	<0.2	0.11	5	2	20	<0.5	<5	0.01	<1	90	338	41	5.44	<0.01	14.08	810	<2	<0.01	1950	60	10	5	4	<10	<1	<0.01	13	<10	<1	54	3
2284	<0.2	0.13	15	1	10	<0.5	<5	0.03	<1	68	391	13	4.86	<0.01	14.19	720	<2	<0.01	1879	60	10	5	5	<10	<1	<0.01	14	<10	1	36	3
2285	0.4	0.12	<5	1	20	<0.5	<5	0.01	<1	82	301	15	5.08	<0.01	20.26	755	<2	<0.01	2349	60	8	5	4	<10	<1	<0.01	12	<10	<1	45	3
2286	<0.2	0.15	<5	<1	20	<0.5	<5	0.01	<1	85	376	26	6.31	<0.01	21.97	940	<2	<0.01	2217	70	12	5	4	<10	<1	<0.01	15	<10	<1	61	4
2287	<0.2	0.16	<5	<1	10	<0.5	<5	0.01	<1	82	365	9	5.63	<0.01	22.65	1030	<2	<0.01	1984	50	10	5	3	<10	<1	<0.01	15	<10	<1	61	3
2288	<0.2	0.20	<5	<1	10	<0.5	<5	0.02	<1	78	431	19	5.33	<0.01	19.71	905	<2	<0.01	1851	50	10	5	4	<10	<1	<0.01	16	<10	<1	55	3
2289	<0.2	0.10	<5	<1	20	<0.5	<5	0.02	<1	83	286	17	6.75	<0.01	23.11	870	2	<0.01	2169	70	14	5	3	<10	<1	<0.01	12	<10	<1	49	4
2290	<0.2	0.10	<5	1	10	<0.5	<5	0.03	<1	70	337	6	7.89	<0.01	20.12	640	4	<0.01	1987	100	12	5	4	<10	<1	<0.01	15	<10	<1	35	5
2291	<0.2	0.07	<5	<1	10	<0.5	<5	0.01	<1	83	312	8	5.65	<0.01	20.56	670	<2	<0.01	1964	60	10	5	4	<10	<1	<0.01	13	<10	<1	35	3
2292	<0.2	0.10	<5	1	10	<0.5	<5	0.01	<1	84	335	<1	7.33	<0.01	12.47	400	2	<0.01	1771	80	10	5	4	<10	<1	<0.01	13	<10	<1	31	4
2293	<0.2	0.05	<5	<1	10	<0.5	<5	0.02	<1	100	194	3	6.28	<0.01	21.18	740	<2	<0.01	2066	70	8	5	4	<10	<1	<0.01	9	<10	<1	39	4
2294	<0.2	0.08	10	3	10	<0.5	<5	0.03	<1	80	316	2	8.50	<0.01	17.42	525	6	<0.01	2017	120	12	5	4	<10	<1	<0.01	15	<10	<1	33	5
2295	<0.2	0.14	<5	<1	10	<0.5	<5	0.02	<1	93	599	1	6.98	<0.01	16.26	450	2	<0.01	2079	80	14	10	5	<10	<1	<0.01	17	<10	<1	29	4
2296	<0.2	0.09	<5	3	10	<0.5	<5	0.04	<1	85	391	<1	6.96	<0.01	19.15	600	2	<0.01	2013	90	12	5	4	<10	<1	<0.01	13	<10	<1	39	4
2297	<0.2	0.10	5	2	10	<0.5	<5	0.01	<1	89	276	2	7.02	<0.01	18.33	585	2	<0.01	1929	90	12	5	5	<10	<1	<0.01	12	<10	<1	33	4
2298	<0.2	0.08	<5	<1	10	<0.5	<5	0.04	<1	95	305	2	8.68	<0.01	19.28	730	8	<0.01	1980	90	14	5	4	<10	<1	<0.01	13	<10	<1	34	5
2299	<0.2	0.05	5	<1	10	<0.5	<5	0.02	<1	81	208	2	5.12	<0.01	18.06	580	2	<0.01	1733	50	10	5	3	<10	<1	<0.01	8	<10	<1	34	3
2300	<0.2	0.06	<5	<1	10	<0.5	<5	0.02	<1	81	264	1	10.76	<0.01	6.74	195	6	<0.01	1762	120	18	5	2	<10	<1	<0.01	17	<10	<1	14	7
2301	0.2	0.22	15	5	30	<0.5	<5	0.07	<1	176	332	>10000	9.44	0.03	10.26	410	14	<0.01	1600	540	30	5	3	<10	<1	<0.01	18	<10	<1	47	6
2302	<0.2	0.10	15	1	30	<0.5	<5	0.03	<1	82	257	52	5.49	0.01	21.06	690	2	<0.01	1910	100	12	5	2	<10	<1	<0.01	10	<10	<1	35	3
2303	<0.2	0.33	<5	3	20	<0.5	<5	0.05	<1	81	204	97	5.43	0.02	17.49	650	2	<0.01	1941	80	10	5	1	<10	<1	<0.01	11	<10	<1	40	3
2304	<0.2	0.77	5	5	30	<0.5	<5	0.17	<1	62	245	98	4.57	0.11	10.96	580	2	0.01	1365	270	6	5	1	<10	<1	0.01	20	<10	<1	48	3
2305	<0.2	0.50	<5	2	20	<0.5	<5	0.24	<1	50	128	91	3.45	0.08	5.66	375	<2	0.02	900	70	4	5	1	<10	<1	<0.01	12	<10	<1	18	2
2306	<0.2	0.53	<5	<1	20	<0.5	<5	0.32	<1	61	103	70	4.14	0.05	12.54	600	<2	0.01	1432	70	6	5	1	<10	<1	<0.01	7	<10	<1	18	2
2307	<0.2	0.18	<5	<1	20	<0.5	<5	0.15	<1	80	186	22	5.53	0.03	23.61	995	<2	<0.01	2070	50	8	5	1	<10	<1	<0.01	7	<10	<1	38	3
2308	<0.2	0.11	<5	1	20	<0.5	<5	0.08	<1	82	275	20	5.38	0.05	23.35	870	<2	<0.01	2031	60	6	5	2	<10	<1	<0.01	9	<10	<1	53	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0553 RJ
Date : Jan-08-02

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2309	<0.2	0.14	<5	<1	20	<0.5	<5	0.06	<1	83	195	8	5.20	0.08	24.40	865	<2	<0.01	2129	70	8	5	2	<10	<1	<0.01	8	<10	<1	52	3
2310	<0.2	0.47	<5	<1	110	<0.5	<5	0.08	<1	51	254	23	3.83	0.36	14.29	620	<2	0.02	1231	200	4	5	3	<10	<1	0.05	21	<10	1	49	2
2311	<0.2	0.47	<5	2	50	<0.5	<5	0.06	<1	69	357	17	4.55	0.32	19.06	770	<2	0.03	1817	80	8	5	2	<10	<1	0.01	14	<10	<1	54	3
2312	<0.2	0.14	<5	1	30	<0.5	<5	0.04	<1	82	174	10	5.08	0.13	24.09	875	<2	0.01	2073	60	10	5	2	<10	<1	<0.01	8	<10	<1	60	3
2313	<0.2	0.41	65	19	30	<0.5	<5	0.13	<1	69	134	37	4.59	0.01	20.72	680	<2	0.01	1459	110	8	5	2	<10	<1	0.01	10	<10	<1	34	3
2314	<0.2	0.19	60	14	30	<0.5	<5	0.04	<1	82	135	30	4.87	0.01	21.83	795	<2	<0.01	1619	80	6	5	2	<10	<1	<0.01	8	<10	<1	38	3
2315	<0.2	0.15	40	8	20	<0.5	<5	0.04	<1	71	126	25	4.51	0.01	20.71	720	<2	<0.01	1622	70	6	5	1	<10	<1	<0.01	6	<10	<1	34	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

ASSAYERS CANADA

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0567-RA1

Jan-08-02

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2316	0.08	
2317	0.24	
2318	1.17	
2319	0.24	
2320	0.36	
2321	0.12	
2322	0.16	
2323	0.22	
2324	0.19	
2325	0.39	
2326	0.21	
2327	0.30	
2328	0.30	
2329	0.30	
2330	0.14	3.28
2331	0.10	
2332	0.50	
2333	0.21	
2334	0.16	
2335	0.29	
2336	0.09	
2337	0.17	
2338	0.30	
2339	0.38	
*DUP 2316	0.08	
*DUP 2325	0.41	
*DUP 2335	0.30	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0567-RA2

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2340	0.57	
2341	0.54	
2342	0.90	
2343	0.93	
2344	0.35	
2345	0.43	
2346	0.37	
2347	0.20	
2348	0.23	
2349	0.22	
2350	0.18	3.31
2351	0.27	
2352	0.27	
2353	0.38	
2354	0.22	
2355	0.21	
2356	0.32	
2357	0.55	
2358	0.34	
2359	0.24	
2360	0.32	
2361	0.36	
2362	0.52	
2363	0.45	
*DUP 2340	0.56	
*DUP 2349	0.22	
*DUP 2359	0.24	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0567 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2316	<0.2	0.42	145	50	<0.5	<5	0.08	<1	73	244	27	4.99	0.07	22.11	785	<2	0.01	1627	240	8	5	2	<10	<1	0.01	15	<10	<1	52	3
2317	<0.2	0.08	60	20	<0.5	<5	0.03	<1	84	148	21	5.38	0.03	25.97	905	<2	0.01	2002	80	10	5	2	<10	<1	<0.01	6	<10	<1	47	3
2318	<0.2	0.08	55	20	<0.5	<5	0.02	<1	93	127	59	5.77	0.05	27.26	845	<2	0.01	2310	70	6	5	2	<10	<1	<0.01	7	<10	<1	44	3
2319	<0.2	0.10	80	40	<0.5	<5	0.03	<1	91	193	26	5.85	0.04	26.98	1000	<2	0.01	2784	70	10	5	3	<10	<1	<0.01	8	<10	<1	68	3
2320	<0.2	0.11	90	30	<0.5	<5	0.02	<1	89	182	40	5.60	0.03	26.80	895	<2	0.01	2201	60	12	5	3	<10	<1	<0.01	8	<10	<1	63	3
2321	<0.2	0.11	70	30	<0.5	<5	0.02	<1	86	169	12	5.50	0.03	26.37	895	<2	0.01	2226	60	10	5	2	<10	<1	<0.01	8	<10	<1	49	3
2322	<0.2	0.05	25	20	<0.5	<5	0.04	<1	83	130	9	5.54	0.02	24.80	855	<2	0.01	2081	60	10	5	2	<10	<1	<0.01	6	<10	<1	40	3
2323	<0.2	0.03	25	20	<0.5	<5	0.02	<1	84	88	7	5.41	0.01	25.20	805	<2	0.01	2188	50	10	5	2	<10	<1	<0.01	5	<10	<1	37	3
2324	<0.2	0.04	55	20	<0.5	<5	0.02	<1	89	109	11	5.69	0.02	27.06	880	<2	0.01	2287	60	10	5	2	<10	<1	<0.01	6	<10	<1	45	3
2325	<0.2	0.09	115	40	<0.5	<5	0.03	<1	84	146	24	5.23	0.04	23.00	795	<2	0.01	2233	60	8	5	2	<10	<1	<0.01	7	<10	<1	38	3
2326	<0.2	0.07	115	30	<0.5	<5	0.02	<1	76	133	16	4.82	0.04	24.18	815	<2	0.01	2026	50	6	5	2	<10	<1	<0.01	6	<10	<1	47	3
2327	<0.2	0.04	75	20	<0.5	<5	0.02	<1	80	93	21	5.00	0.03	25.02	830	<2	0.01	2202	50	8	5	2	<10	<1	<0.01	5	<10	<1	50	3
2328	<0.2	0.07	130	30	<0.5	<5	0.02	<1	74	130	26	4.83	0.04	22.91	760	<2	0.01	2027	60	8	5	2	<10	<1	<0.01	6	<10	<1	44	3
2329	<0.2	0.15	45	30	<0.5	<5	0.03	<1	77	213	12	5.03	0.09	23.94	860	<2	0.01	2077	60	6	5	2	<10	<1	<0.01	7	<10	<1	47	3
2330	<0.2	0.11	75	30	<0.5	<5	0.02	<1	87	178	8	5.68	0.09	26.66	1000	<2	0.01	2285	60	8	5	3	<10	<1	<0.01	7	<10	<1	78	3
2331	<0.2	0.07	35	30	<0.5	<5	0.02	<1	89	158	5	5.65	0.06	27.50	950	<2	0.01	2312	60	8	5	2	<10	<1	<0.01	6	<10	<1	64	3
2332	<0.2	0.10	55	30	<0.5	<5	0.01	<1	95	162	36	5.89	0.06	27.78	1010	<2	0.02	2433	60	10	5	3	<10	<1	<0.01	7	<10	<1	61	4
2333	<0.2	0.17	45	40	<0.5	<5	0.06	<1	86	261	12	6.17	0.16	26.11	1250	<2	0.01	2238	70	10	5	3	<10	<1	<0.01	10	<10	<1	92	4
2334	<0.2	0.21	45	60	<0.5	<5	0.03	<1	84	273	9	5.83	0.22	25.41	1115	<2	0.02	2096	70	12	5	3	<10	<1	<0.01	10	<10	<1	84	3
2335	<0.2	0.19	30	50	<0.5	<5	0.02	<1	81	251	19	5.35	0.19	24.00	1010	<2	0.02	2084	60	8	5	3	<10	<1	<0.01	9	<10	<1	73	3
2336	<0.2	0.11	20	30	<0.5	<5	0.04	<1	90	185	5	6.19	0.12	28.64	1175	4	0.01	2288	60	8	5	3	<10	<1	<0.01	7	<10	<1	88	4
2337	<0.2	0.11	35	30	<0.5	<5	0.05	<1	89	173	8	5.90	0.10	26.78	1065	<2	0.02	2198	60	12	5	3	<10	<1	<0.01	7	<10	<1	76	4
2338	<0.2	0.10	30	30	<0.5	<5	0.02	<1	83	145	10	5.35	0.07	24.31	840	<2	0.02	2181	50	8	5	2	<10	<1	<0.01	7	<10	<1	47	3
2339	<0.2	0.12	80	20	<0.5	<5	0.03	<1	84	184	17	5.60	0.08	24.11	940	<2	0.01	2110	60	10	5	3	<10	<1	<0.01	8	<10	<1	52	3
2340	<0.2	0.08	30	20	<0.5	<5	0.05	<1	76	101	20	5.11	0.05	22.61	840	<2	0.01	2136	50	6	5	2	<10	<1	<0.01	6	<10	<1	47	3
2341	<0.2	0.08	25	20	<0.5	<5	0.03	<1	71	112	24	4.89	0.05	22.55	800	2	0.01	2163	50	10	5	2	<10	<1	<0.01	6	<10	<1	38	3
2342	<0.2	0.07	35	20	<0.5	<5	0.03	<1	82	108	15	5.46	0.05	24.12	910	<2	0.01	2162	60	10	5	2	<10	<1	<0.01	6	<10	<1	46	3
2343	<0.2	0.20	65	20	<0.5	<5	0.11	<1	66	211	18	4.79	0.11	19.70	865	2	0.01	1713	70	8	5	3	<10	<1	0.01	9	<10	<1	53	3
2344	<0.2	0.08	135	20	<0.5	<5	0.03	<1	84	144	14	5.71	0.07	26.01	1055	<2	0.01	2213	60	10	5	3	<10	<1	<0.01	7	<10	<1	75	3
2345	<0.2	0.09	110	20	<0.5	<5	0.02	<1	84	145	18	5.37	0.07	24.70	935	<2	0.01	2244	60	10	5	2	<10	<1	<0.01	7	<10	<1	65	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: _____

Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0567 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2346	<0.2	0.08	40	20	<0.5	<5	0.03	<1	78	125	25	5.21	0.04	23.78	895	<2	0.01	2139	60	6	5	2	<10	<1	<0.01	6	<10	<1	49	3
2347	<0.2	0.10	70	20	<0.5	<5	0.02	<1	81	137	17	5.45	0.06	24.67	920	<2	0.02	2157	60	10	5	2	<10	<1	<0.01	7	<10	<1	54	3
2348	<0.2	0.06	135	20	<0.5	<5	0.02	<1	80	115	13	5.66	0.05	26.04	1005	<2	0.01	2165	60	8	5	2	<10	<1	<0.01	6	<10	<1	70	3
2349	<0.2	0.10	175	30	<0.5	<5	0.02	<1	86	160	14	5.87	0.10	25.50	1040	<2	0.01	2205	60	10	5	2	<10	<1	<0.01	7	<10	<1	70	4
2350	<0.2	0.16	145	30	<0.5	<5	0.03	<1	66	184	25	4.70	0.13	21.79	800	<2	0.02	2026	50	8	5	2	<10	<1	<0.01	8	<10	<1	43	3
2351	<0.2	0.12	70	30	<0.5	<5	0.02	<1	75	177	16	5.18	0.09	24.82	870	<2	0.02	2162	60	10	5	2	<10	<1	<0.01	7	<10	<1	47	3
2352	<0.2	0.09	95	20	<0.5	<5	0.03	<1	81	127	14	5.27	0.06	25.04	885	<2	0.02	2242	50	14	5	2	<10	<1	<0.01	6	<10	<1	52	3
2353	<0.2	0.09	25	30	<0.5	<5	0.02	<1	87	146	8	5.63	0.06	26.33	965	<2	0.02	2285	60	12	5	2	<10	<1	<0.01	7	<10	<1	61	3
2354	<0.2	0.10	465	30	<0.5	<5	0.04	<1	91	153	13	5.66	0.07	25.99	980	<2	0.02	2648	60	14	5	2	<10	<1	<0.01	7	<10	<1	60	3
2355	<0.2	0.14	235	40	<0.5	<5	0.03	<1	83	201	12	5.74	0.12	25.56	1080	<2	0.01	2292	60	18	5	2	<10	<1	<0.01	8	<10	<1	69	4
2356	<0.2	0.09	235	30	<0.5	<5	0.04	<1	73	145	11	5.11	0.07	23.66	975	<2	0.01	2103	50	8	5	2	<10	<1	<0.01	7	<10	<1	55	3
2357	<0.2	0.06	70	20	<0.5	<5	0.02	<1	79	112	24	5.08	0.04	23.75	895	<2	0.01	2219	50	6	5	2	<10	<1	<0.01	6	<10	<1	47	3
2358	<0.2	0.12	115	40	<0.5	<5	0.02	<1	87	164	29	5.47	0.10	24.45	990	<2	0.02	2261	60	8	5	2	<10	<1	<0.01	7	<10	<1	55	3
2359	<0.2	0.18	125	40	<0.5	<5	0.03	<1	84	221	28	5.36	0.14	23.82	975	<2	0.02	2191	70	10	5	3	<10	<1	<0.01	9	<10	<1	66	3
2360	<0.2	0.09	205	40	<0.5	<5	0.03	<1	115	140	48	6.17	0.06	24.53	940	<2	0.02	2488	60	8	5	2	<10	<1	<0.01	7	<10	<1	51	4
2361	<0.2	0.20	85	50	<0.5	<5	0.02	<1	93	238	47	5.74	0.13	24.61	925	<2	0.04	2291	60	12	5	3	<10	<1	<0.01	9	<10	<1	38	3
2362	<0.2	0.23	95	50	<0.5	<5	0.03	<1	91	259	28	5.86	0.18	24.21	1010	<2	0.02	2201	60	8	5	2	<10	<1	<0.01	10	<10	<1	50	4
2363	<0.2	0.13	90	30	<0.5	<5	0.02	<1	86	177	30	5.34	0.09	23.71	875	<2	0.02	2184	60	6	5	2	<10	<1	<0.01	7	<10	<1	40	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: 

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 20 Years

Assay Certificate

1V-0568-RA1

Jan-08-02

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2364	0.42	
2365	0.46	
2366	0.26	
2367	0.41	
2368	0.45	
2369	0.70	
2370	0.72	3.27
2371	0.44	
2372	0.59	
2373	0.65	
2374	0.40	
2375	0.41	
2376	0.43	
2377	0.64	
2378	0.53	
2379	0.51	
2380	0.70	
2381	1.03	
2382	1.80	
2383	1.76	
2384	0.99	
2385	0.88	
2386	1.68	
2387	1.70	
*DUP 2364	0.43	
*DUP 2373	0.65	
*DUP 2383	1.80	
*RTS-1 (1/4)	0.41	
*RTS-2 (1/4)	4.75	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0568-RA2

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2388	1.29	
2389	0.74	
2390	1.25	3.05
2391	2.07	
2392	4.00	
2393	0.45	
2394	0.98	
2395	1.48	
2396	1.40	
2397	2.00	
2398	3.00	
2399	4.21	
2400	4.34	
2401	3.57	
2402	0.09	
2403	0.16	
2404	0.07	
2405	0.36	
2406	0.02	
2407	0.03	
2408	0.03	
2409	<0.01	
2410	<0.01	2.83
2411	0.01	
*DUP 2388	1.28	
*DUP 2397	2.06	
*DUP 2407	0.03	
*RTS-1 (1/4)	0.41	
*RTS-2 (1/4)	4.75	
*BLANK	<0.01	

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0568 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2364	<0.2	0.08	70	20	<0.5	<5	0.02	<1	77	107	22	5.18	0.06	22.70	900	2	0.01	2098	70	8	5	2	<10	<1	<0.01	7	<10	<1	46	3
2365	<0.2	0.09	50	20	<0.5	<5	0.03	<1	81	112	24	5.25	0.05	23.60	915	2	0.01	2105	70	10	5	2	<10	<1	<0.01	7	<10	<1	44	3
2366	<0.2	0.05	40	20	<0.5	<5	0.03	<1	77	94	10	5.12	0.03	23.93	875	2	0.01	2060	70	12	5	2	<10	<1	<0.01	7	<10	<1	37	3
2367	<0.2	0.11	85	20	<0.5	<5	0.03	<1	78	150	27	5.34	0.07	23.47	940	4	0.01	2104	70	12	5	2	<10	<1	<0.01	8	<10	<1	56	3
2368	<0.2	0.10	120	20	<0.5	<5	0.02	<1	80	118	33	5.06	0.06	22.33	815	<2	0.01	2065	70	12	<5	2	<10	<1	<0.01	7	<10	<1	43	3
2369	<0.2	0.14	40	20	<0.5	<5	0.03	<1	76	177	47	5.23	0.08	21.86	820	<2	0.02	1945	70	10	5	2	<10	<1	<0.01	9	<10	<1	44	3
2370	<0.2	0.12	60	20	<0.5	<5	0.02	<1	81	133	55	5.36	0.07	21.59	800	2	0.01	2033	70	12	5	2	<10	<1	<0.01	9	<10	<1	44	3
2371	<0.2	0.08	35	20	<0.5	<5	0.02	<1	84	101	35	5.59	0.05	23.94	880	<2	0.01	2185	70	12	5	2	<10	<1	<0.01	8	<10	<1	49	3
2372	<0.2	0.09	40	20	<0.5	<5	0.03	<1	84	112	53	5.79	0.06	23.40	905	<2	0.01	2212	80	10	5	2	<10	<1	<0.01	8	<10	<1	51	3
2373	<0.2	0.17	115	20	<0.5	<5	0.08	<1	77	199	48	5.51	0.08	20.73	885	<2	0.02	1994	100	10	5	2	<10	<1	<0.01	12	<10	<1	48	3
2374	<0.2	0.25	110	30	<0.5	<5	0.12	<1	78	293	35	5.77	0.17	21.57	1015	2	0.01	1965	80	10	5	4	<10	<1	<0.01	14	<10	<1	69	4
2375	<0.2	0.33	105	40	<0.5	<5	0.05	<1	81	302	35	5.73	0.25	22.77	960	6	0.02	2066	80	10	5	3	<10	<1	0.01	14	<10	<1	79	4
2376	<0.2	0.25	105	30	<0.5	<5	0.04	<1	77	239	46	5.40	0.18	20.83	845	30	0.02	1982	90	10	5	2	<10	<1	0.01	11	<10	<1	62	3
2377	<0.2	0.23	130	30	<0.5	<5	0.05	<1	79	174	60	5.40	0.15	21.51	800	2	0.02	2084	100	8	5	2	<10	<1	0.01	10	<10	<1	37	3
2378	<0.2	0.21	80	30	<0.5	<5	0.09	<1	76	133	45	4.96	0.13	20.40	750	2	0.03	1987	80	10	<5	2	<10	<1	0.01	9	<10	<1	40	3
2379	<0.2	0.14	105	20	<0.5	<5	0.03	<1	80	126	47	5.59	0.08	23.51	880	2	0.02	2165	80	8	5	2	<10	<1	<0.01	8	<10	<1	47	3
2380	<0.2	0.26	30	30	<0.5	<5	0.08	<1	98	409	18	5.98	0.01	23.25	1105	<2	<0.01	2149	120	12	5	4	<10	<1	0.01	17	<10	<1	55	4
2381	<0.2	0.18	40	20	<0.5	<5	0.02	<1	91	414	37	6.44	<0.01	20.10	930	2	<0.01	2092	110	12	5	6	<10	<1	<0.01	16	<10	<1	51	4
2382	<0.2	0.17	55	20	<0.5	<5	0.02	<1	103	471	50	5.87	0.01	18.26	805	<2	<0.01	2006	100	12	5	6	<10	<1	<0.01	15	<10	<1	45	4
2383	<0.2	0.12	35	20	<0.5	<5	0.04	<1	100	351	34	6.31	<0.01	18.64	770	<2	<0.01	1835	100	12	5	5	<10	<1	<0.01	13	<10	<1	37	4
2384	<0.2	0.11	25	20	<0.5	<5	0.03	<1	88	374	19	7.48	<0.01	21.40	800	<2	<0.01	2186	120	16	5	4	<10	<1	<0.01	14	<10	<1	40	5
2385	<0.2	0.10	10	20	<0.5	<5	0.04	<1	88	281	16	6.28	<0.01	20.84	805	<2	<0.01	2182	100	12	5	3	<10	<1	<0.01	11	<10	<1	45	4
2386	<0.2	0.17	10	20	<0.5	<5	0.02	<1	92	539	35	5.79	<0.01	20.67	855	<2	<0.01	2043	80	12	5	4	10	<1	<0.01	14	<10	<1	45	4
2387	<0.2	0.21	15	20	<0.5	<5	0.04	<1	83	444	18	5.95	0.01	13.46	490	<2	<0.01	1654	120	8	5	4	<10	<1	0.01	17	<10	<1	27	4
2388	<0.2	0.23	15	20	<0.5	<5	0.03	<1	100	567	16	6.87	<0.01	20.24	720	<2	<0.01	2134	110	14	10	5	<10	<1	<0.01	17	<10	<1	39	4
2389	<0.2	0.09	<5	20	<0.5	<5	0.02	<1	95	301	19	6.18	<0.01	26.98	1060	2	<0.01	2326	90	14	5	4	<10	<1	<0.01	10	<10	<1	49	4
2390	<0.2	0.09	50	20	<0.5	<5	0.01	<1	94	365	6	6.22	<0.01	19.26	685	<2	<0.01	2323	110	10	5	4	<10	<1	<0.01	10	<10	<1	35	4
2391	<0.2	0.11	55	20	<0.5	<5	0.02	<1	87	380	7	5.52	<0.01	15.59	615	<2	<0.01	1664	100	10	5	4	<10	<1	<0.01	11	<10	<1	34	3
2392	<0.2	0.09	25	20	<0.5	<5	0.02	<1	100	361	6	6.47	<0.01	20.31	780	<2	<0.01	2183	110	12	5	3	10	<1	<0.01	11	<10	<1	36	4
2393	<0.2	0.05	<5	20	<0.5	<5	0.01	<1	98	227	11	5.88	<0.01	28.59	1010	<2	<0.01	2609	80	12	5	3	<10	<1	<0.01	7	<10	<1	53	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0568 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2394	<0.2	0.05	5	20	<0.5	<5	0.05	<1	113	214	15	6.12	<0.01	28.00	1035	2	<0.01	2530	80	12	5	3	<10	<1	<0.01	8	<10	<1	53	4
2395	<0.2	0.10	10	20	<0.5	<5	0.01	<1	98	350	25	5.67	<0.01	21.81	830	<2	<0.01	2238	80	8	5	3	10	<1	<0.01	9	<10	<1	48	3
2396	<0.2	0.08	5	20	<0.5	<5	0.03	<1	94	267	31	5.87	<0.01	25.46	1035	<2	<0.01	2410	90	12	5	3	10	<1	<0.01	8	<10	<1	62	3
2397	<0.2	0.12	<5	20	<0.5	<5	0.01	<1	89	418	47	5.76	0.01	24.01	1015	<2	<0.01	2234	90	14	5	4	10	<1	<0.01	10	<10	<1	58	3
2398	<0.2	0.14	5	20	<0.5	<5	0.01	<1	106	520	23	6.38	<0.01	24.00	970	<2	<0.01	2201	170	12	10	5	<10	<1	<0.01	12	<10	<1	45	4
2399	<0.2	0.15	25	20	<0.5	<5	0.01	<1	88	464	6	6.18	<0.01	16.76	665	<2	<0.01	1962	100	14	5	4	<10	<1	<0.01	14	<10	<1	36	4
2400	<0.2	0.13	40	10	<0.5	<5	0.01	<1	78	419	9	5.14	<0.01	6.23	235	<2	<0.01	1547	90	6	5	3	<10	<1	<0.01	13	<10	<1	15	3
2401	<0.2	0.11	30	10	<0.5	<5	0.01	<1	83	291	11	5.53	<0.01	12.87	525	4	<0.01	1760	110	10	5	3	<10	<1	<0.01	12	<10	1	33	3
2402	<0.2	0.61	5	70	<0.5	<5	0.17	<1	73	415	39	5.27	0.04	16.97	775	2	0.02	1750	180	8	5	5	<10	1	0.03	27	<10	1	63	3
2403	<0.2	0.57	<5	40	<0.5	<5	0.04	<1	85	692	61	5.94	0.03	18.00	890	2	<0.01	1865	120	12	10	7	10	<1	0.01	29	<10	<1	66	3
2404	<0.2	0.68	<5	60	<0.5	<5	0.08	<1	76	578	43	5.31	0.04	16.18	920	<2	0.01	1839	110	12	10	5	<10	<1	0.01	23	<10	<1	64	3
2405	<0.2	0.29	<5	60	<0.5	<5	0.04	<1	32	216	29	2.38	0.09	4.20	445	2	0.03	778	140	6	<5	2	<10	1	0.01	8	<10	1	38	2
2406	<0.2	0.39	<5	50	<0.5	<5	0.05	<1	3	65	4	0.46	0.14	0.63	115	<2	0.06	84	90	4	<5	1	<10	7	0.02	3	<10	2	26	1
2407	<0.2	0.97	<5	90	<0.5	<5	0.42	<1	9	62	15	1.56	0.14	1.59	215	<2	0.13	204	230	6	<5	2	<10	52	0.08	28	<10	3	39	5
2408	<0.2	1.44	<5	130	0.5	<5	0.65	<1	22	196	27	2.78	0.13	2.96	440	<2	0.17	661	330	8	5	3	<10	76	0.10	39	<10	4	51	6
2409	<0.2	0.41	5	60	<0.5	<5	0.03	<1	84	649	48	6.45	0.02	18.49	1095	2	<0.01	2669	110	12	10	6	10	<1	0.01	21	<10	<1	92	4
2410	<0.2	0.33	5	50	<0.5	<5	0.03	<1	77	523	38	5.70	0.01	19.73	980	<2	<0.01	2130	90	14	5	5	10	<1	<0.01	16	<10	<1	88	3
2411	<0.2	0.32	5	40	<0.5	<5	0.02	<1	56	454	25	4.17	0.02	14.34	640	2	<0.01	1811	70	10	5	4	<10	<1	<0.01	14	<10	<1	70	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

1V-0569-RA1

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2412	0.06	
2413	<0.01	
2414	0.03	
2415	0.12	
2416	0.04	
2417	0.02	
2418	0.09	
2419	0.04	
2420	0.01	
2421	0.06	
2422	0.10	
2423	0.32	
2424	0.41	
2425	0.17	
2426	0.24	
2427	0.25	
2428	0.18	
2429	0.37	
2430	0.79	2.96
2431	1.03	
2432	0.58	
2433	0.33	
2434	0.30	
2435	0.18	
*DUP 2412	0.05	
*DUP 2421	0.06	
*DUP 2431	1.03	
*RTS-1 (1/4)	0.42	
*RTS-2 (1/4)	4.74	
*BLANK	<0.01	

Certified by _____

ASSAYERS CANADA

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

1V-0569-RA2

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj/Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-15-01 by Craig Payne.

Sample Name	S-total %	S.G.
2436	<0.01	
2437	<0.01	
2438	<0.01	
2439	<0.01	
2440	<0.01	
2441	<0.01	
2442	<0.01	
2443	<0.01	
2444	<0.01	
2445	<0.01	
2446	<0.01	
2447	<0.01	
2448	<0.01	
2449	<0.01	
2450	<0.01	2.90
2451	<0.01	
2452	<0.01	
2453	<0.01	
2454	<0.01	
2455	<0.01	
2456	<0.01	
2457	<0.01	
2458	<0.01	
2459	<0.01	
*DUP 2436	<0.01	
*DUP 2445	<0.01	
*DUP 2455	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*BLANK	<0.01	

Certified by _____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
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Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0569 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2412	<0.2	0.25	25	40	<0.5	<5	0.05	<1	49	628	138	8.61	0.02	6.18	325	90	<0.01	1179	160	14	10	1	<10	<1	0.01	18	10	<1	37	6
2413	<0.2	0.18	<5	40	<0.5	<5	0.02	<1	98	308	77	5.15	0.01	20.05	885	<2	<0.01	2458	70	10	5	3	<10	<1	<0.01	8	<10	<1	82	3
2414	<0.2	0.47	<5	30	<0.5	<5	0.02	<1	66	298	20	4.82	0.02	21.77	875	2	0.01	2403	70	8	10	3	<10	<1	<0.01	10	<10	<1	78	3
2415	<0.2	0.29	<5	30	<0.5	<5	0.02	<1	71	391	21	5.04	0.02	21.59	980	<2	<0.01	2347	100	8	5	3	<10	<1	<0.01	10	<10	<1	133	3
2416	<0.2	0.36	<5	40	<0.5	<5	0.03	<1	82	495	32	4.85	0.02	19.14	855	<2	<0.01	2494	70	10	5	4	<10	<1	<0.01	12	<10	<1	78	3
2417	<0.2	0.36	15	60	<0.5	<5	0.05	<1	96	479	71	5.59	0.03	15.37	665	<2	<0.01	2232	90	10	10	3	<10	<1	0.01	18	<10	<1	59	4
2418	<0.2	0.45	5	50	<0.5	<5	0.05	<1	48	312	29	3.63	0.04	11.36	540	<2	0.01	1527	130	6	5	2	<10	<1	0.01	12	<10	1	50	2
2419	<0.2	0.22	5	30	<0.5	<5	0.03	<1	66	385	20	4.98	0.02	18.24	1060	<2	<0.01	1893	90	10	10	4	<10	<1	<0.01	11	<10	<1	74	3
2420	<0.2	0.25	5	30	<0.5	<5	0.02	<1	69	412	23	4.73	0.02	19.27	930	<2	<0.01	2132	70	6	5	4	<10	<1	<0.01	9	<10	<1	78	3
2421	<0.2	0.18	<5	30	<0.5	<5	0.02	<1	64	365	33	4.20	0.02	13.39	755	<2	<0.01	1663	90	8	5	3	<10	<1	<0.01	8	<10	<1	62	3
2422	<0.2	0.55	<5	30	<0.5	<5	0.46	<1	72	634	17	5.20	0.04	19.29	795	<2	0.02	1728	160	8	10	4	<10	2	0.01	23	<10	<1	45	3
2423	<0.2	1.09	10	70	<0.5	<5	0.43	<1	54	456	34	4.79	0.13	13.54	705	<2	0.04	1158	360	6	10	4	<10	10	0.05	41	<10	2	56	3
2424	<0.2	0.96	15	90	<0.5	<5	0.37	<1	57	417	32	4.88	0.18	13.28	695	<2	0.03	1135	370	6	10	4	<10	10	0.04	41	<10	2	65	4
2425	<0.2	0.93	5	40	<0.5	<5	0.42	<1	58	410	24	4.96	0.05	14.55	725	<2	0.03	1278	400	6	10	4	<10	4	0.03	30	<10	1	60	3
2426	<0.2	1.37	15	60	<0.5	<5	0.67	<1	41	184	28	3.87	0.16	11.12	565	<2	0.06	922	390	4	5	3	<10	22	0.04	34	<10	1	53	3
2427	<0.2	1.64	55	120	<0.5	<5	0.68	<1	32	160	37	4.10	0.36	8.49	630	<2	0.07	618	500	4	5	4	<10	16	0.08	52	<10	2	68	3
2428	<0.2	1.15	20	110	<0.5	<5	0.37	<1	35	192	31	3.88	0.34	10.25	685	<2	0.04	761	420	6	5	3	<10	7	0.06	38	<10	3	60	3
2429	<0.2	1.46	50	60	<0.5	<5	0.65	<1	47	154	51	4.60	0.17	11.96	700	<2	0.06	975	400	4	5	3	<10	15	0.04	36	<10	1	64	3
2430	<0.2	1.10	35	40	<0.5	<5	0.50	<1	64	260	66	5.31	0.10	16.55	805	<2	0.06	1398	280	10	5	4	<10	8	0.02	29	<10	1	68	4
2431	<0.2	1.04	50	30	<0.5	<5	0.48	<1	63	314	74	5.19	0.06	15.17	805	<2	0.05	1416	290	8	5	4	<10	12	0.02	28	<10	1	78	4
2432	<0.2	1.93	25	90	<0.5	<5	0.87	<1	39	197	66	4.63	0.26	9.56	570	<2	0.11	785	460	8	5	4	<10	24	0.07	57	<10	2	72	3
2433	<0.2	2.50	5	290	0.5	<5	1.14	<1	14	63	63	3.51	0.74	1.38	360	<2	0.29	49	850	4	5	4	<10	77	0.22	97	10	4	48	3
2434	<0.2	2.24	<5	290	0.5	<5	1.11	<1	11	57	32	3.34	0.76	1.19	390	2	0.24	25	850	4	5	3	<10	66	0.21	95	10	4	44	3
2435	<0.2	2.33	10	280	0.5	<5	0.96	<1	12	59	33	3.44	0.72	1.34	520	<2	0.22	80	850	4	5	5	<10	61	0.20	97	<10	5	49	3
2436	<0.2	0.22	<5	10	<0.5	<5	0.38	<1	83	761	11	5.74	<0.01	22.94	875	<2	0.01	1995	60	8	10	5	<10	<1	0.01	26	<10	<1	29	4
2437	<0.2	0.18	<5	10	<0.5	<5	0.18	<1	80	782	6	5.35	<0.01	21.23	855	<2	<0.01	1954	60	4	10	4	<10	<1	0.01	23	<10	<1	28	3
2438	<0.2	0.30	<5	10	<0.5	<5	0.34	<1	79	917	8	5.66	<0.01	21.02	870	<2	<0.01	1826	50	6	15	5	<10	<1	0.01	29	<10	<1	29	4
2439	<0.2	0.18	<5	10	<0.5	<5	0.19	<1	82	895	6	5.73	<0.01	21.43	845	<2	<0.01	1971	50	6	15	4	<10	<1	0.01	23	<10	<1	29	4
2440	<0.2	0.13	<5	10	<0.5	<5	0.24	<1	87	778	12	5.90	<0.01	23.11	900	<2	<0.01	2114	50	4	10	4	<10	<1	<0.01	19	<10	<1	30	4
2441	<0.2	0.15	<5	10	<0.5	<5	0.19	<1	83	827	8	5.82	<0.01	22.51	870	<2	<0.01	2043	50	6	15	4	<10	<1	<0.01	20	<10	<1	33	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed: 

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8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
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Leader Mining International
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample: core

Report No : 1V0569 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2442	<0.2	0.14	<5	10	<0.5	<5	0.20	<1	83	869	9	5.81	<0.01	22.22	860	<2	<0.01	2046	60	10	15	4	<10	<1	<0.01	21	<10	<1	25	4
2443	<0.2	0.14	<5	10	<0.5	<5	0.08	<1	80	752	10	5.59	<0.01	21.13	805	<2	<0.01	2008	50	4	10	4	<10	<1	<0.01	20	<10	<1	33	4
2444	<0.2	0.21	<5	10	<0.5	<5	0.10	<1	78	991	10	5.77	<0.01	20.45	760	<2	<0.01	1969	60	6	15	5	<10	<1	<0.01	25	<10	<1	28	4
2445	<0.2	0.15	<5	10	<0.5	<5	0.16	<1	81	868	8	5.59	<0.01	20.96	855	<2	<0.01	1971	60	6	10	4	<10	<1	<0.01	20	<10	<1	27	3
2446	<0.2	0.24	<5	10	<0.5	<5	0.08	<1	74	956	11	5.40	<0.01	18.66	695	<2	0.01	1915	50	4	15	5	<10	<1	<0.01	24	<10	<1	25	3
2447	<0.2	0.25	<5	10	<0.5	<5	0.09	<1	82	996	6	5.87	<0.01	20.66	850	<2	<0.01	1931	60	4	15	5	<10	<1	<0.01	26	<10	<1	25	4
2448	<0.2	0.20	<5	10	<0.5	<5	0.16	<1	84	906	7	5.66	<0.01	22.72	965	<2	<0.01	2036	50	8	15	4	<10	<1	<0.01	22	<10	<1	34	4
2449	<0.2	0.13	<5	10	<0.5	<5	0.12	<1	85	658	6	5.78	0.01	22.01	930	<2	0.01	2033	60	6	10	3	<10	<1	<0.01	21	<10	<1	71	4
2450	<0.2	0.22	<5	10	<0.5	<5	0.42	<1	76	1033	14	5.36	<0.01	20.62	775	<2	0.01	1956	50	8	15	5	<10	<1	<0.01	23	<10	<1	38	3
2451	<0.2	0.19	5	10	<0.5	<5	0.40	<1	76	850	8	5.48	<0.01	19.63	810	<2	<0.01	1860	50	4	10	5	<10	<1	<0.01	22	<10	<1	24	3
2452	<0.2	0.18	15	10	<0.5	<5	0.54	<1	77	942	13	5.44	<0.01	20.34	830	<2	<0.01	1930	50	4	15	5	<10	<1	<0.01	21	<10	<1	33	3
2453	<0.2	0.13	<5	10	<0.5	<5	0.72	<1	77	765	6	5.35	<0.01	19.74	845	<2	<0.01	1884	50	6	10	4	<10	<1	<0.01	18	<10	<1	24	3
2454	<0.2	0.16	5	10	<0.5	<5	0.52	<1	83	845	82	5.64	<0.01	21.82	900	<2	<0.01	2054	60	6	10	4	<10	<1	<0.01	21	<10	<1	26	3
2455	<0.2	0.18	<5	10	<0.5	<5	0.16	<1	84	936	20	6.01	<0.01	21.94	840	<2	<0.01	2005	60	8	15	5	<10	<1	<0.01	24	<10	<1	31	4
2456	<0.2	0.14	<5	10	<0.5	<5	0.07	<1	87	768	7	5.87	<0.01	23.64	905	<2	<0.01	2141	60	8	10	4	<10	<1	<0.01	20	<10	<1	31	4
2457	<0.2	0.10	<5	10	<0.5	<5	0.06	<1	86	676	8	5.74	<0.01	22.96	895	<2	<0.01	2129	50	6	10	4	<10	<1	<0.01	18	<10	<1	38	4
2458	<0.2	0.14	<5	10	<0.5	<5	0.20	<1	82	740	9	5.49	<0.01	22.07	790	<2	<0.01	2094	50	6	10	4	<10	<1	<0.01	20	<10	<1	31	3
2459	<0.2	0.10	<5	10	<0.5	<5	0.29	<1	89	738	10	6.05	<0.01	24.21	1050	<2	<0.01	2153	60	6	15	4	<10	<1	<0.01	19	<10	<1	33	4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0570-RA1

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj / Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-18-01

Sample Name	S-total %	S.G.
2460	<0.01	
2461	<0.01	
2462	<0.01	
2463	<0.01	
2464	<0.01	
2465	<0.01	
2466	<0.01	
2467	<0.01	
2468	0.02	
2469	0.02	
2470	<0.01	2.76
2471	<0.01	
2472	<0.01	
2473	<0.01	
2474	<0.01	
2475	<0.01	
2476	<0.01	
2477	<0.01	
2478	<0.01	
2479	<0.01	
2480	<0.01	
2481	<0.01	
2482	<0.01	
2483	<0.01	
*DUP 2460	<0.01	
*DUP 2469	0.02	
*DUP 2479	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0570-RA2

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj / Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-18-01

Sample Name	S-total %	S.G.
2484	<0.01	
2485	<0.01	
2486	<0.01	
2487	<0.01	
2488	<0.01	
2489	<0.01	
2490	<0.01	2.85
2491	<0.01	
2492	<0.01	
2493	<0.01	
2494	<0.01	
2495	<0.01	
2496	<0.01	
2497	<0.01	
2498	<0.01	
2499	<0.01	
2500	<0.01	
2501	<0.01	
2502	<0.01	
2503	<0.01	
2504	<0.01	
2505	<0.01	
2506	<0.01	
2507	<0.01	
*DUP 2484	<0.01	
*DUP 2493	<0.01	
*DUP 2503	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*BLANK	<0.01	

Certified by _____

Leader Mining International
Attention: Jasi Nikhanj / Mike MacLeod
Project: 345
Sample: Core

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0570 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2460	<0.2	0.62	<5	20	<0.5	<5	0.12	<1	76	1419	14	5.74	<0.01	19.72	845	<2	0.01	1841	70	8	15	6	<10	<1	0.01	33	<10	<1	26	4
2461	<0.2	0.30	<5	20	<0.5	<5	0.03	<1	80	901	16	5.58	<0.01	20.21	885	<2	0.01	1976	70	14	10	5	<10	<1	0.01	23	<10	<1	23	3
2462	<0.2	0.26	5	20	<0.5	<5	0.03	<1	89	913	20	5.76	<0.01	22.34	880	<2	0.01	2101	80	12	10	5	<10	<1	<0.01	20	<10	<1	23	3
2463	<0.2	0.31	<5	20	<0.5	<5	0.03	<1	83	1260	15	5.50	<0.01	21.64	830	<2	0.01	2066	70	12	15	5	<10	<1	0.01	21	<10	<1	23	3
2464	<0.2	0.19	<5	20	<0.5	<5	0.03	<1	85	675	7	5.56	<0.01	24.45	870	<2	<0.01	2321	80	10	10	4	<10	<1	<0.01	13	<10	<1	26	3
2465	<0.2	0.34	<5	20	<0.5	<5	0.07	<1	74	1112	7	5.14	<0.01	19.04	785	<2	0.01	1973	70	8	15	5	<10	<1	<0.01	25	<10	<1	23	3
2466	<0.2	0.40	5	20	<0.5	<5	0.11	<1	71	1270	24	5.00	<0.01	17.21	760	<2	0.01	1879	70	10	15	6	<10	<1	<0.01	28	<10	<1	22	3
2467	<0.2	0.28	<5	20	<0.5	<5	0.11	<1	78	1227	14	5.52	0.01	18.90	850	<2	0.01	2008	80	10	15	5	<10	<1	0.01	25	<10	<1	22	3
2468	<0.2	0.69	<5	40	<0.5	<5	0.26	<1	75	1180	15	5.30	0.03	18.24	825	<2	0.05	1992	90	12	15	4	<10	26	0.01	24	<10	<1	24	3
2469	<0.2	4.75	<5	240	<0.5	<5	1.47	<1	40	513	20	4.71	0.33	12.05	590	<2	0.65	805	310	6	10	4	<10	150	0.11	77	<10	3	38	4
2470	<0.2	0.38	<5	20	<0.5	<5	0.07	<1	81	1151	7	5.46	<0.01	20.41	865	<2	<0.01	1948	80	12	15	5	<10	<1	<0.01	20	<10	<1	25	3
2471	<0.2	0.24	5	20	<0.5	<5	0.14	<1	85	947	7	5.78	<0.01	21.07	865	<2	<0.01	2019	70	12	10	4	<10	<1	<0.01	20	<10	<1	27	3
2472	<0.2	0.06	<5	20	<0.5	<5	0.04	<1	96	437	7	6.04	<0.01	25.07	1065	<2	<0.01	2339	80	14	10	3	<10	<1	<0.01	13	<10	<1	24	4
2473	<0.2	0.18	<5	20	<0.5	<5	0.05	<1	80	1038	7	5.51	<0.01	20.87	855	<2	<0.01	1937	70	12	15	5	<10	<1	<0.01	19	<10	<1	24	3
2474	<0.2	0.15	<5	20	<0.5	<5	0.09	<1	80	878	8	5.63	<0.01	21.02	915	<2	<0.01	2028	70	8	10	4	<10	<1	<0.01	19	<10	<1	23	3
2475	<0.2	0.23	5	20	<0.5	<5	0.05	<1	77	1134	12	5.65	<0.01	20.60	805	<2	0.01	1914	80	8	15	6	<10	<1	<0.01	24	<10	<1	23	3
2476	<0.2	0.17	5	20	<0.5	<5	0.04	<1	78	1100	8	5.78	<0.01	19.44	830	<2	<0.01	1915	70	10	15	5	<10	<1	<0.01	24	<10	<1	23	3
2477	<0.2	0.12	5	20	<0.5	<5	0.11	<1	88	616	10	5.81	<0.01	21.50	965	<2	<0.01	2082	70	10	10	4	<10	<1	<0.01	18	<10	<1	23	3
2478	<0.2	0.22	10	20	<0.5	<5	0.05	<1	77	1079	9	5.44	<0.01	20.27	665	<2	0.01	2070	70	12	15	5	<10	<1	<0.01	23	<10	<1	22	3
2479	<0.2	0.18	<5	20	<0.5	<5	0.04	<1	84	1098	6	5.90	<0.01	21.86	810	<2	<0.01	2082	80	12	15	5	<10	<1	<0.01	22	<10	<1	26	4
2480	<0.2	0.13	5	20	<0.5	<5	0.04	<1	88	930	7	5.90	<0.01	22.70	960	<2	<0.01	2096	80	8	10	4	<10	<1	<0.01	19	<10	<1	26	4
2481	<0.2	0.14	<5	20	<0.5	<5	0.03	<1	88	930	8	6.09	<0.01	23.01	945	<2	<0.01	2114	80	12	10	5	<10	<1	<0.01	21	<10	<1	24	4
2482	<0.2	0.19	5	20	<0.5	<5	0.34	<1	77	1045	9	5.26	<0.01	18.61	710	<2	<0.01	1926	70	8	15	5	<10	3	<0.01	20	<10	<1	21	3
2483	<0.2	0.13	5	20	<0.5	<5	0.24	<1	87	684	10	5.09	<0.01	22.74	875	<2	<0.01	2110	70	10	10	3	<10	<1	<0.01	13	<10	<1	22	3
2484	<0.2	0.27	10	20	<0.5	<5	0.57	<1	80	1198	6	5.54	<0.01	21.21	715	<2	<0.01	2062	90	14	15	5	<10	5	<0.01	22	<10	<1	24	3
2485	<0.2	0.15	10	20	<0.5	<5	0.31	<1	84	625	8	5.41	<0.01	22.00	865	<2	<0.01	2103	70	10	10	4	<10	<1	<0.01	15	<10	<1	26	3
2486	<0.2	0.16	25	20	<0.5	<5	0.22	<1	90	681	9	5.46	<0.01	22.98	885	<2	<0.01	2223	80	12	10	4	<10	<1	<0.01	15	<10	<1	26	3
2487	<0.2	0.27	15	20	<0.5	<5	0.06	<1	80	1188	7	5.35	<0.01	20.29	865	<2	<0.01	1984	80	12	15	5	<10	<1	<0.01	22	<10	<1	27	3
2488	<0.2	0.19	15	20	<0.5	<5	0.02	<1	84	800	9	5.41	<0.01	20.99	920	<2	<0.01	2052	70	8	10	4	10	<1	<0.01	18	<10	<1	34	3
2489	<0.2	0.24	5	20	<0.5	<5	0.04	<1	85	1148	3	5.62	<0.01	21.46	925	<2	<0.01	2002	80	12	15	5	<10	<1	<0.01	23	<10	<1	27	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Leader Mining International
Attention: Jasi Nikhanj / Mike MacLeod
Project: 345
Sample: Core

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0570 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2490	<0.2	0.29	15	20	<0.5	<5	0.03	<1	73	1261	3	5.23	<0.01	16.90	775	<2	<0.01	1789	70	10	15	5	<10	<1	<0.01	28	<10	<1	21	3
2491	<0.2	0.30	10	20	<0.5	<5	0.02	<1	80	1088	10	5.32	<0.01	19.99	855	<2	<0.01	1954	70	8	15	4	<10	<1	<0.01	24	<10	<1	23	3
2492	<0.2	0.32	15	20	<0.5	<5	0.04	<1	83	994	12	5.60	<0.01	22.69	860	<2	0.01	2130	80	10	15	5	<10	<1	<0.01	24	<10	<1	25	3
2493	<0.2	0.36	10	20	<0.5	<5	0.19	<1	80	1135	30	5.50	<0.01	21.07	805	<2	0.01	1996	70	12	15	5	<10	<1	<0.01	27	<10	<1	23	3
2494	<0.2	0.16	5	20	<0.5	<5	0.22	<1	92	670	8	5.67	<0.01	22.94	1020	<2	<0.01	2163	80	10	10	4	<10	<1	<0.01	17	<10	<1	24	3
2495	<0.2	0.15	5	20	<0.5	<5	0.21	<1	92	662	15	5.79	<0.01	23.52	920	<2	<0.01	2253	80	10	10	4	<10	<1	<0.01	17	<10	<1	23	3
2496	<0.2	0.18	10	20	<0.5	<5	0.37	<1	91	619	7	5.60	<0.01	24.84	860	<2	<0.01	2243	80	12	10	4	<10	<1	<0.01	15	<10	<1	24	3
2497	<0.2	0.09	10	20	<0.5	<5	1.03	<1	91	557	24	5.68	<0.01	25.27	955	<2	<0.01	2214	80	14	10	5	<10	7	<0.01	12	<10	<1	22	4
2498	<0.2	0.07	10	20	<0.5	<5	0.45	<1	94	447	8	5.76	<0.01	25.55	1025	2	<0.01	2271	80	12	5	4	<10	<1	<0.01	11	<10	<1	24	4
2499	<0.2	0.36	10	20	<0.5	<5	0.61	<1	79	1031	5	5.46	<0.01	20.37	800	<2	0.01	1871	70	12	15	6	<10	<1	<0.01	26	<10	<1	23	3
2500	<0.2	0.28	<5	20	<0.5	<5	0.04	<1	79	975	12	5.40	0.02	22.02	830	<2	0.01	1957	70	10	10	3	<10	<1	<0.01	14	<10	<1	19	3
2501	<0.2	0.17	<5	20	<0.5	<5	0.03	<1	89	637	4	6.00	<0.01	21.93	955	<2	<0.01	2156	80	12	5	4	<10	<1	<0.01	13	<10	<1	26	4
2502	<0.2	0.22	<5	20	<0.5	<5	0.02	<1	80	936	1	5.21	<0.01	19.40	840	<2	<0.01	2011	70	8	10	3	10	<1	<0.01	16	<10	<1	24	3
2503	<0.2	0.21	<5	20	<0.5	<5	0.03	<1	87	857	22	5.78	<0.01	21.09	900	<2	0.01	2185	70	12	10	3	<10	<1	<0.01	16	<10	<1	23	3
2504	<0.2	0.30	<5	20	<0.5	<5	0.10	<1	89	1092	4	6.14	<0.01	22.12	900	<2	0.01	2140	90	10	10	4	<10	<1	<0.01	20	<10	<1	28	4
2505	<0.2	0.18	<5	20	<0.5	<5	0.06	<1	96	917	4	6.40	<0.01	23.80	1030	<2	0.01	2296	80	12	10	4	<10	<1	<0.01	14	<10	<1	31	4
2506	<0.2	0.32	<5	20	<0.5	<5	0.03	<1	83	1517	3	5.41	<0.01	20.06	820	<2	0.01	2121	70	10	15	5	<10	<1	<0.01	24	<10	<1	25	3
2507	<0.2	0.43	<5	20	<0.5	<5	0.01	<1	77	1917	17	5.40	<0.01	18.87	740	<2	0.01	1977	70	10	20	6	<10	<1	<0.01	33	<10	<1	24	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0571-RA1

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj / Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-18-01

Sample Name	S-total %	S.G.
2508	<0.01	
2509	<0.01	
2510	<0.01	3.01
2511	<0.01	
2512	<0.01	
2513	<0.01	
2514	<0.01	
2515	0.02	
2516	0.01	
2517	<0.01	
2518	<0.01	
2519	<0.01	
2520	<0.01	
2521	<0.01	
2522	<0.01	
2523	<0.01	
2524	0.02	
2525	0.01	
2526	<0.01	
2527	0.01	
2528	<0.01	
2529	<0.01	
2530	0.01	2.93
2531	0.01	
*DUP 2508	<0.01	
*DUP 2517	<0.01	
*DUP 2527	<0.01	
*RTS-1 (1/4)	0.41	
*RTS-2 (1/4)	4.75	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0571-RA2

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj / Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 24 core samples submitted Dec-18-01

Sample Name	S-total %	S.G.
2532	0.02	
2533	<0.01	
2534	<0.01	
2535	<0.01	
2536	<0.01	
2537	<0.01	
2538	<0.01	
2539	<0.01	
2540	<0.01	
2541	<0.01	
2542	0.02	
2543	<0.01	
2544	<0.01	
2545	<0.01	
2546	<0.01	
2547	<0.01	
2548	<0.01	
2549	<0.01	
2550	<0.01	2.97
2551	<0.01	
2552	<0.01	
2553	<0.01	
2554	<0.01	
2555	<0.01	
*DUP 2532	<0.01	
*DUP 2541	<0.01	
*DUP 2551	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*BLANK	<0.01	

Certified by _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

1V-0571-RA3

Company: **Leader Mining International**
Project: 345
Attn: Jasi Nikhanj / Mike MacLeod

Jan-08-02

We *hereby certify* the following assay of 11 core samples submitted Dec-18-01

Sample Name	S-total %	S.G.
2556	0.01	
2557	0.01	
2558	<0.01	
2559	<0.01	
2560	<0.01	
2561	<0.01	
2562	0.01	
2563	<0.01	
2564	0.01	
2565	<0.01	
2566	0.01	
*DUP 2556	0.02	
*DUP 2565	<0.01	
*RTS-1 (1/4)	0.43	
*RTS-2 (1/4)	4.73	
*BLANK	<0.01	

Certified by _____

Leader Mining International
Attention: Jasi Nikhanj / Mike MacLeod
Project: 345
Sample: Core

Assay's Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 1V0571 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2508	<0.2	0.23	<5	20	<0.5	<5	0.02	<1	86	959	13	5.75	<0.01	22.92	890	<2	0.01	2096	70	14	10	4	<10	<1	<0.01	21	<10	<1	38	4
2509	<0.2	0.17	<5	20	<0.5	<5	0.06	<1	84	746	31	5.59	<0.01	22.47	855	<2	0.01	2104	70	12	10	4	<10	<1	<0.01	17	<10	<1	55	3
2510	<0.2	0.12	<5	20	<0.5	<5	0.01	<1	94	539	3	5.96	<0.01	25.71	950	<2	<0.01	2260	70	10	10	4	<10	<1	<0.01	13	<10	<1	42	4
2511	<0.2	0.09	<5	20	<0.5	<5	0.01	<1	96	445	<1	6.07	<0.01	27.43	950	2	0.01	2282	70	14	10	3	<10	<1	<0.01	11	<10	<1	28	4
2512	<0.2	0.07	<5	20	<0.5	<5	0.03	<1	94	383	<1	6.13	<0.01	27.87	940	<2	<0.01	2241	70	10	5	3	<10	<1	<0.01	9	<10	<1	23	4
2513	<0.2	0.12	<5	20	<0.5	<5	0.02	<1	91	547	<1	5.87	<0.01	25.81	910	<2	0.01	2232	70	12	10	4	<10	<1	<0.01	12	<10	<1	19	4
2514	<0.2	0.16	<5	20	<0.5	<5	0.05	<1	86	714	8	5.64	<0.01	23.49	890	<2	0.01	2101	70	12	10	5	<10	<1	<0.01	15	<10	<1	16	3
2515	<0.2	0.40	<5	20	<0.5	<5	0.15	<1	64	1647	121	4.39	<0.01	17.73	615	<2	0.01	1499	60	12	20	7	<10	<1	0.01	30	<10	<1	11	3
2516	<0.2	0.15	<5	20	<0.5	<5	0.07	<1	84	723	3	5.54	<0.01	22.60	870	<2	0.01	2064	60	14	10	4	<10	<1	<0.01	17	<10	<1	15	3
2517	<0.2	0.19	<5	20	<0.5	<5	0.04	<1	84	877	5	5.47	<0.01	21.41	875	<2	0.01	2035	70	12	10	4	<10	<1	<0.01	18	<10	<1	19	3
2518	<0.2	0.26	<5	20	<0.5	<5	0.02	<1	87	1197	10	5.74	<0.01	21.82	900	<2	0.01	2138	70	12	15	5	<10	<1	<0.01	23	<10	<1	16	4
2519	<0.2	0.15	<5	20	<0.5	<5	0.02	<1	86	667	5	5.71	<0.01	22.79	890	<2	<0.01	2121	70	10	10	4	<10	<1	<0.01	16	<10	<1	14	3
2520	<0.2	0.19	<5	20	<0.5	<5	0.02	<1	88	768	29	5.84	<0.01	22.83	900	<2	0.01	2195	70	12	10	5	<10	<1	<0.01	18	<10	<1	14	4
2521	<0.2	0.16	<5	20	<0.5	<5	0.02	<1	90	575	7	5.85	<0.01	24.46	910	<2	0.01	2277	70	16	10	4	<10	<1	<0.01	16	<10	<1	13	4
2522	<0.2	0.14	<5	20	<0.5	<5	0.02	<1	91	531	11	6.07	<0.01	23.69	1010	<2	<0.01	2167	80	14	10	3	<10	<1	<0.01	14	<10	<1	18	4
2523	<0.2	0.27	<5	20	<0.5	<5	0.03	<1	81	1043	5	5.39	<0.01	20.33	860	<2	0.01	1950	70	12	15	4	<10	<1	<0.01	20	<10	<1	14	3
2524	<0.2	0.36	<5	20	<0.5	<5	0.04	<1	80	1304	68	5.55	<0.01	20.05	835	<2	0.01	1950	70	10	15	4	<10	<1	<0.01	30	<10	<1	17	3
2525	<0.2	0.41	<5	20	<0.5	<5	0.05	<1	76	1324	43	5.25	<0.01	19.31	785	<2	0.01	1959	60	10	15	5	<10	<1	<0.01	29	<10	<1	16	3
2526	<0.2	0.57	<5	20	<0.5	<5	0.06	<1	73	1367	9	5.22	0.01	18.64	780	<2	0.01	1834	60	12	15	5	<10	<1	0.01	35	<10	<1	14	3
2527	<0.2	0.43	<5	20	<0.5	<5	0.03	<1	79	1283	34	5.50	0.01	19.03	870	<2	0.01	1859	70	10	15	5	<10	<1	0.01	30	<10	<1	16	3
2528	<0.2	0.62	<5	30	<0.5	<5	0.03	<1	87	1844	62	6.13	0.01	19.46	1000	<2	0.01	1853	80	10	20	6	<10	<1	0.01	39	<10	<1	19	4
2529	<0.2	0.73	<5	20	<0.5	<5	0.04	<1	75	1632	161	5.18	0.01	19.63	795	<2	0.01	1846	70	10	15	5	<10	<1	0.01	35	<10	<1	16	3
2530	<0.2	0.25	<5	20	<0.5	<5	0.07	<1	86	966	7	5.84	<0.01	21.96	960	<2	0.01	2035	70	12	15	4	<10	<1	<0.01	21	<10	<1	18	3
2531	<0.2	0.29	<5	20	<0.5	<5	0.08	<1	82	1023	4	5.64	<0.01	21.08	915	<2	0.01	1938	70	10	10	5	<10	<1	<0.01	23	<10	<1	14	3
2532	<0.2	0.24	<5	20	<0.5	<5	0.04	<1	88	1159	3	6.03	<0.01	21.65	1010	<2	0.01	2024	80	12	10	4	<10	<1	<0.01	22	<10	<1	35	4
2533	<0.2	0.27	<5	20	<0.5	<5	0.10	<1	78	1045	2	5.37	<0.01	20.20	870	<2	0.01	1910	70	8	15	4	<10	<1	<0.01	20	<10	<1	30	3
2534	<0.2	0.22	<5	20	<0.5	<5	0.07	<1	81	803	5	5.53	0.01	20.28	900	<2	0.01	1983	70	10	10	4	<10	<1	<0.01	18	<10	<1	30	3
2535	<0.2	0.26	<5	20	<0.5	<5	0.06	<1	80	905	24	5.62	<0.01	19.45	915	<2	0.01	1856	70	10	10	4	<10	<1	<0.01	21	<10	<1	30	3
2536	<0.2	0.25	<5	20	<0.5	<5	0.04	<1	80	845	15	5.57	0.01	19.68	910	<2	0.01	1805	70	12	10	3	<10	<1	<0.01	19	<10	<1	30	3
2537	<0.2	0.30	<5	20	<0.5	<5	0.03	<1	80	1017	7	5.57	<0.01	19.88	900	<2	0.01	1937	70	12	10	4	<10	<1	<0.01	23	<10	<1	30	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International
Attention: Jasi Nikhanj / Mike MacLeod
Project: 345
Sample: Core

Report No : 1V0571 RJ
Date : Jan-08-02

MULTI-ELEMENT ICP ANALYSIS

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Tl %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
2538	<0.2	0.24	<5	20	<0.5	<5	0.03	<1	77	794	11	5.24	<0.01	18.87	845	<2	0.01	1898	70	8	10	4	<10	<1	<0.01	19	<10	<1	29	3
2539	<0.2	0.27	<5	20	<0.5	<5	0.04	<1	78	1035	7	5.29	<0.01	19.17	860	<2	0.01	1910	70	10	10	5	<10	<1	<0.01	23	<10	<1	29	3
2540	<0.2	0.45	<5	20	<0.5	<5	0.02	<1	75	1475	26	5.07	<0.01	18.75	770	<2	0.01	1876	70	10	15	8	<10	<1	0.01	33	<10	<1	26	3
2541	<0.2	0.29	<5	20	<0.5	<5	0.04	<1	80	1097	8	5.41	<0.01	19.46	870	<2	0.01	1954	70	10	15	6	<10	<1	<0.01	25	<10	<1	28	3
2542	<0.2	0.26	<5	20	<0.5	<5	0.06	<1	78	1057	16	5.17	<0.01	18.50	815	<2	<0.01	1858	60	8	15	5	<10	<1	0.01	26	<10	<1	25	3
2543	<0.2	0.23	<5	20	<0.5	<5	0.02	<1	83	775	3	5.69	<0.01	21.03	880	<2	0.01	1993	80	10	10	3	<10	<1	<0.01	16	<10	<1	28	3
2544	<0.2	0.41	<5	20	<0.5	<5	0.01	<1	90	913	5	6.01	0.01	21.61	950	<2	0.01	2105	80	10	10	4	<10	<1	<0.01	20	<10	<1	32	4
2545	<0.2	0.55	<5	20	<0.5	<5	0.02	<1	79	1468	9	5.51	0.01	17.44	920	<2	0.01	1847	80	6	15	4	<10	<1	0.01	31	<10	<1	28	3
2546	<0.2	0.49	<5	20	<0.5	<5	0.02	<1	72	1342	18	5.23	0.01	15.08	900	<2	0.01	1660	60	8	15	3	<10	<1	0.01	31	<10	<1	24	3
2547	<0.2	0.45	<5	20	<0.5	<5	0.02	<1	81	1285	2	5.59	<0.01	19.80	915	<2	0.01	1957	80	14	15	4	<10	<1	<0.01	23	<10	<1	31	3
2548	<0.2	0.28	<5	20	<0.5	<5	0.03	<1	82	971	2	5.57	<0.01	20.45	870	<2	0.01	1971	80	10	10	4	<10	<1	<0.01	19	<10	<1	30	3
2549	<0.2	0.40	<5	20	<0.5	<5	0.03	<1	80	1154	2	5.35	<0.01	20.28	830	<2	0.01	1955	80	10	10	3	<10	<1	<0.01	25	<10	<1	30	3
2550	<0.2	0.34	<5	20	<0.5	<5	0.03	<1	82	1111	8	5.55	<0.01	20.76	880	<2	0.01	1944	90	10	10	3	<10	<1	<0.01	23	<10	<1	30	3
2551	<0.2	0.26	<5	20	<0.5	<5	0.02	<1	80	747	2	5.48	<0.01	20.97	870	<2	0.01	1973	70	12	10	3	<10	<1	<0.01	17	<10	<1	27	3
2552	<0.2	0.40	<5	20	<0.5	<5	0.03	<1	79	873	13	5.39	<0.01	19.08	865	<2	0.02	1831	80	12	10	3	<10	<1	<0.01	24	<10	<1	27	3
2553	<0.2	0.21	<5	20	<0.5	<5	0.02	<1	88	740	1	5.90	<0.01	21.95	955	<2	0.01	2032	80	12	10	3	<10	<1	<0.01	17	<10	<1	32	3
2554	<0.2	0.48	<5	20	<0.5	<5	0.03	<1	76	1183	10	5.31	0.01	18.46	845	<2	0.01	1842	70	10	15	3	<10	<1	0.01	28	<10	<1	29	3
2555	<0.2	0.51	<5	20	<0.5	<5	0.02	<1	86	1271	10	5.81	0.01	19.77	955	<2	0.01	1972	80	12	15	4	<10	<1	0.01	32	<10	<1	31	3
2556	<0.2	0.43	<5	20	<0.5	<5	0.04	<1	68	1169	9	4.90	0.01	15.65	730	<2	0.01	1663	60	8	10	5	<10	<1	0.01	31	<10	<1	23	3
2557	<0.2	0.22	<5	20	<0.5	<5	0.03	<1	81	830	3	5.49	<0.01	19.51	885	<2	0.01	1949	80	14	10	3	<10	<1	<0.01	19	<10	<1	27	3
2558	<0.2	0.18	<5	20	<0.5	<5	0.02	<1	84	629	2	5.50	<0.01	21.00	880	<2	0.01	2094	70	12	10	3	<10	<1	<0.01	15	<10	<1	26	3
2559	<0.2	0.21	<5	20	<0.5	<5	0.02	<1	78	768	3	5.22	<0.01	18.84	850	<2	0.01	1890	70	14	10	3	<10	<1	<0.01	18	<10	<1	23	3
2560	<0.2	0.26	<5	20	<0.5	<5	0.02	<1	81	813	2	5.62	<0.01	20.56	905	<2	0.01	1947	80	12	10	3	<10	<1	<0.01	19	<10	<1	26	3
2561	<0.2	0.20	<5	20	<0.5	<5	0.02	<1	79	711	3	5.26	<0.01	20.23	840	<2	0.01	1994	70	10	10	3	<10	<1	<0.01	16	<10	<1	24	3
2562	<0.2	0.29	<5	20	<0.5	<5	0.02	<1	83	832	2	5.57	0.01	20.37	910	<2	0.01	1973	70	10	10	3	<10	<1	<0.01	20	<10	<1	24	3
2563	<0.2	0.33	<5	20	<0.5	<5	0.04	<1	79	945	6	5.52	0.01	20.12	875	<2	0.01	1866	70	10	10	4	<10	<1	<0.01	22	<10	<1	24	3
2564	<0.2	0.19	<5	20	<0.5	<5	0.02	<1	81	647	16	5.35	<0.01	20.34	845	<2	0.01	1982	70	12	10	3	<10	<1	<0.01	17	<10	<1	22	3
2565	<0.2	0.24	<5	20	<0.5	<5	0.03	<1	78	737	4	5.25	<0.01	19.54	845	<2	0.01	1912	70	10	10	3	<10	<1	<0.01	18	<10	<1	23	3
2566	<0.2	0.31	<5	20	<0.5	<5	0.02	<1	75	842	12	5.10	<0.01	18.21	790	<2	0.01	1851	60	12	10	3	<10	<1	<0.01	20	<10	<1	21	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3
at 95c for 2 hours and diluted to 25ml with D.I.H20.

Signed:_____

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod

Project: 345

Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2163	40.11	0.30	8.04	0.37	48.02	0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	1.27	98.27
2164	42.11	0.24	7.86	0.15	47.54	<0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	1.26	99.31
2165	39.31	0.22	7.81	0.18	49.54	0.01	<0.01	0.01	0.12	0.01	<10	60	<10	<5	<5	2.28	99.50
2166	40.51	0.13	7.60	0.08	48.82	<0.01	<0.01	0.01	0.12	0.02	<10	50	<10	<5	<5	2.21	99.51
2167	36.30	0.43	7.84	0.24	50.60	0.02	<0.01	0.01	0.13	0.01	<10	70	<10	<5	<5	2.98	98.56
2168	37.38	0.26	8.08	0.27	49.95	0.04	0.01	0.01	0.13	0.01	<10	70	<10	<5	<5	2.06	98.21
2169	38.47	0.59	7.96	0.44	47.79	0.01	<0.01	0.02	0.13	0.01	<10	70	<10	<5	<5	3.12	98.54
2170	38.65	0.26	7.80	0.22	49.23	0.01	<0.01	0.01	0.13	0.01	<10	50	<10	<5	<5	2.59	98.92
2171	40.64	0.35	7.60	0.14	46.51	<0.01	<0.01	0.01	0.14	0.01	<10	60	<10	<5	<5	4.16	99.56
2172	39.65	0.32	7.95	0.04	48.12	0.01	<0.01	0.01	0.14	0.01	<10	40	<10	<5	<5	1.96	98.21
2173	40.50	0.11	8.64	0.03	48.69	0.01	<0.01	0.01	0.15	0.01	<10	50	<10	<5	<5	1.43	99.58
2174	41.26	0.15	8.32	0.06	45.27	0.01	<0.01	0.01	0.12	0.01	<10	40	<10	<5	<5	3.75	98.96
2175	39.75	0.28	8.46	0.39	46.85	<0.01	<0.01	0.01	0.14	0.01	<10	50	<10	<5	<5	2.31	98.21
2176	40.42	0.58	7.91	0.44	46.15	<0.01	<0.01	0.01	0.13	0.01	<10	50	10	<5	<5	3.01	98.66
2177	42.14	0.53	7.90	0.44	44.03	0.02	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	3.80	99.01
2178	42.37	0.60	7.44	0.19	42.91	0.01	<0.01	0.01	0.12	0.01	<10	40	<10	<5	<5	5.55	99.21
2179	45.06	0.39	7.64	0.11	41.92	0.01	<0.01	0.01	0.12	0.02	<10	20	<10	<5	<5	3.83	99.12
2180	42.68	0.27	8.18	0.10	43.75	0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	3.31	98.45
2181	41.49	0.32	8.45	0.05	45.24	<0.01	<0.01	0.01	0.15	0.02	<10	20	<10	<5	<5	2.91	98.64
2182	43.01	0.50	8.03	0.19	43.33	<0.01	<0.01	0.01	0.13	0.01	<10	30	<10	<5	<5	3.85	99.06
2183	42.32	0.46	7.84	0.07	45.60	<0.01	<0.01	0.01	0.15	0.01	<10	30	<10	<5	<5	2.54	99.01
2184	47.64	0.61	7.84	0.03	37.09	<0.01	<0.01	0.01	0.10	0.02	<10	40	<10	<5	5	5.06	98.41
2185	43.15	0.91	7.78	0.03	43.28	<0.01	<0.01	0.02	0.14	0.02	<10	30	<10	<5	5	4.10	99.43
2186	44.36	1.67	8.40	0.03	38.80	0.01	<0.01	0.03	0.09	0.01	<10	40	10	<5	5	6.01	99.42
2187	44.39	3.35	8.10	0.08	36.87	0.01	<0.01	0.04	0.12	<0.01	<10	110	10	<5	5	5.77	98.73
2188	44.02	0.54	8.15	0.07	42.23	<0.01	<0.01	0.01	0.16	0.01	<10	10	<10	<5	5	3.94	99.13
2189	43.84	0.41	7.70	0.03	43.77	<0.01	<0.01	0.01	0.14	<0.01	<10	20	<10	<5	5	3.68	99.58
2190	43.34	1.19	9.67	0.04	37.88	<0.01	<0.01	0.01	0.09	0.01	<10	<10	10	<5	<5	6.64	98.87
2191	41.61	1.27	8.95	0.04	41.07	<0.01	<0.01	0.02	0.11	<0.01	<10	<10	10	<5	<5	6.39	99.46
2192	47.68	2.29	10.58	0.04	30.52	0.01	<0.01	0.03	0.04	0.01	<10	100	10	<5	5	8.32	99.53

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2193	45.62	4.22	6.33	0.03	36.09	<0.01	<0.01	0.03	0.04	0.01	<10	60	10	<5	<5	7.14	99.52
2194	48.87	0.46	9.14	0.04	34.35	<0.01	<0.01	0.01	0.05	0.02	<10	40	<10	<5	<5	6.77	99.71
2195	40.61	0.91	7.57	0.04	46.26	<0.01	<0.01	0.01	0.11	<0.01	<10	50	<10	<5	<5	3.79	99.30
2196	39.30	3.85	8.43	0.39	41.75	0.01	<0.01	0.04	0.11	<0.01	<10	70	10	<5	5	5.11	99.00
2197	42.97	0.87	8.30	0.29	43.18	0.01	<0.01	0.02	0.14	<0.01	<10	70	10	<5	<5	3.47	99.25
2198	41.63	0.60	8.91	0.46	44.17	<0.01	<0.01	0.02	0.15	<0.01	<10	50	<10	<5	<5	3.07	99.02
2199	41.50	1.22	7.77	0.05	42.23	<0.01	<0.01	0.02	0.12	<0.01	<10	80	<10	<5	5	5.74	98.66
2200	41.61	0.78	9.31	0.10	42.00	<0.01	<0.01	0.02	0.13	0.01	<10	50	10	<5	<5	4.79	98.75
2201	39.04	0.24	8.95	0.04	47.54	<0.01	<0.01	0.01	0.15	<0.01	<10	50	<10	<5	<5	2.94	98.92
2202	39.38	0.84	9.08	0.55	45.65	<0.01	<0.01	0.02	0.15	<0.01	<10	90	<10	<5	5	3.21	98.89
2203	41.64	0.94	8.77	0.66	43.37	<0.01	<0.01	0.02	0.14	<0.01	<10	120	10	<5	5	3.47	99.02
2204	41.03	0.62	8.76	0.14	46.14	<0.01	<0.01	0.01	0.14	0.01	<10	60	<10	<5	<5	2.35	99.21
2205	41.53	0.40	8.51	0.03	45.81	<0.01	<0.01	0.01	0.14	<0.01	<10	50	10	<5	<5	2.87	99.30
2206	44.15	0.56	7.72	0.05	42.41	<0.01	<0.01	0.01	0.11	<0.01	<10	40	<10	<5	<5	3.38	98.40
2207	40.65	0.31	8.60	0.06	46.75	<0.01	<0.01	0.01	0.14	<0.01	<10	20	<10	<5	<5	1.69	98.21
2208	40.56	0.31	9.15	0.32	43.88	<0.01	<0.01	0.01	0.12	<0.01	<10	<10	<10	<5	<5	4.88	99.22
2209	40.50	0.30	9.20	0.02	46.48	<0.01	<0.01	0.01	0.14	<0.01	<10	<10	<10	<5	<5	2.32	98.97
2210	40.84	0.15	9.39	0.03	47.49	<0.01	<0.01	0.01	0.14	<0.01	<10	<10	<10	<5	<5	1.15	99.20
2211	40.51	0.39	8.49	0.06	46.77	<0.01	<0.01	0.01	0.13	0.01	<10	60	<10	<5	5	2.33	98.71
2212	41.77	0.22	8.37	0.05	45.83	<0.01	<0.01	0.01	0.13	0.01	<10	50	<10	<5	<5	3.12	99.51
2213	41.77	0.39	8.42	0.01	44.28	<0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	3.79	98.82
2214	40.53	1.79	7.46	0.07	43.14	0.01	<0.01	0.03	0.13	0.02	<10	50	10	<5	5	5.79	98.98
2215	45.11	1.19	9.38	0.03	34.18	0.01	<0.01	0.03	0.06	0.03	<10	70	10	<5	5	9.35	99.38
2216	49.16	0.95	8.96	0.06	30.34	0.01	<0.01	0.03	0.03	0.03	<10	60	10	<5	5	8.71	98.29
2217	43.25	1.26	8.51	0.10	42.49	<0.01	<0.01	0.03	0.15	0.01	<10	30	10	<5	<5	3.19	98.99
2218	41.86	1.06	8.92	0.08	43.79	<0.01	<0.01	0.02	0.16	0.02	<10	20	10	<5	5	2.76	98.67
2219	41.80	0.56	9.85	0.74	39.61	<0.01	<0.01	0.01	0.12	0.01	<10	20	<10	<5	5	6.01	98.71
2220	43.41	0.63	8.12	0.53	43.49	<0.01	<0.01	0.02	0.15	0.02	<10	10	<10	<5	5	2.49	98.86
2221	44.10	0.71	8.19	0.77	43.58	<0.01	<0.01	0.02	0.15	0.01	<10	<10	<10	<5	5	1.92	99.45
2222	44.37	0.81	7.77	0.16	41.23	<0.01	<0.01	0.02	0.13	0.01	<10	10	<10	<5	5	4.50	99.00

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

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Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2223	42.25	0.91	8.50	0.06	41.83	<0.01	<0.01	0.02	0.11	0.01	<10	<10	<10	<5	5	5.44	99.13
2224	43.76	0.81	7.75	0.02	44.44	<0.01	<0.01	0.02	0.14	0.01	<10	<10	<10	<5	5	2.75	99.70
2225	41.46	0.71	8.18	0.02	45.03	<0.01	<0.01	0.02	0.15	0.02	<10	<10	<10	<5	5	3.10	98.69
2226	44.41	0.54	7.97	0.08	42.80	<0.01	<0.01	0.02	0.14	0.01	<10	<10	<10	<5	5	3.27	99.24
2227	41.85	0.88	8.77	0.11	42.71	<0.01	<0.01	0.02	0.13	0.01	<10	<10	<10	<5	5	4.22	98.70
2228	39.72	0.93	9.39	0.10	44.60	<0.01	<0.01	0.02	0.13	0.01	<10	<10	<10	<5	5	4.03	98.93
2229	41.17	0.98	9.51	0.15	41.00	<0.01	<0.01	0.02	0.08	0.02	<10	<10	<10	<5	<5	6.45	99.38
2230	42.35	0.65	8.25	1.03	39.21	<0.01	<0.01	0.02	0.07	0.02	<10	<10	<10	<5	5	7.80	99.40
2231	46.32	0.65	9.11	0.38	33.44	0.01	<0.01	0.02	0.04	0.01	<10	<10	<10	<5	<5	8.70	98.68
2232	38.15	0.74	7.20	0.95	43.55	<0.01	<0.01	0.02	0.08	0.01	<10	<10	<10	<5	5	7.74	98.44
2233	41.64	0.45	8.34	0.71	40.68	<0.01	<0.01	0.02	0.06	0.01	<10	<10	<10	<5	<5	6.62	98.53
2234	42.04	0.42	8.15	0.37	41.49	<0.01	<0.01	0.02	0.06	0.02	<10	<10	<10	<5	<5	6.43	99.00
2066	42.10	0.36	7.35	0.09	44.93	<0.01	<0.01	0.01	0.12	0.03	<10	40	<10	<5	<5	3.25	98.24
2067	41.57	1.03	7.19	0.11	43.72	<0.01	<0.01	0.03	0.12	0.02	<10	50	10	<5	<5	5.16	98.96
2068	39.80	1.69	7.91	0.08	42.07	<0.01	<0.01	0.04	0.10	0.02	<10	50	10	<5	<5	7.22	98.93
2069	39.21	0.61	8.19	0.06	45.24	<0.01	<0.01	0.02	0.11	0.02	<10	50	10	<5	5	5.81	99.28
2070	41.56	0.41	9.17	0.06	40.38	<0.01	<0.01	0.01	0.06	0.01	<10	50	<10	<5	5	6.85	98.52
2071	46.11	0.35	10.00	0.01	32.99	<0.01	<0.01	0.01	0.04	0.02	<10	50	<10	<5	<5	8.99	98.53
2072	42.49	0.24	9.19	0.03	42.79	<0.01	<0.01	0.02	0.12	0.02	<10	30	<10	<5	<5	3.62	98.52
2073	41.47	0.66	8.59	0.10	44.59	<0.01	<0.01	0.03	0.13	0.01	<10	50	10	<5	<5	3.13	98.71
2074	40.00	0.64	9.73	0.14	46.76	<0.01	<0.01	0.04	0.14	0.03	<10	40	<10	<5	<5	1.83	99.32
2075	43.31	0.83	8.44	0.44	43.49	<0.01	<0.01	0.03	0.12	0.02	<10	30	10	<5	5	2.10	98.79
2076	42.97	0.52	8.75	0.27	45.32	<0.01	<0.01	0.02	0.13	0.01	<10	20	10	<5	<5	1.64	99.63
2077	38.79	1.13	9.25	0.79	46.51	<0.01	<0.01	0.10	0.14	0.08	<10	10	10	<5	5	1.92	98.72
2078	37.02	0.43	9.82	0.34	50.20	<0.01	<0.01	0.02	0.16	0.02	<10	40	10	<5	<5	1.39	99.40
2079	39.76	2.76	8.94	2.23	41.58	0.06	<0.01	0.18	0.14	0.07	<10	30	20	<5	5	2.72	98.44
2108	41.40	1.15	7.72	0.31	41.90	<0.01	<0.01	0.04	0.10	0.02	<10	30	10	<5	5	6.75	99.39
2109	38.88	0.92	7.08	0.04	44.47	<0.01	<0.01	0.02	0.10	0.01	<10	20	10	<5	<5	6.72	98.24
2110	41.77	0.70	8.41	0.06	42.98	<0.01	<0.01	0.03	0.12	0.01	<10	30	10	<5	<5	5.47	99.55
2111	42.43	0.64	8.25	0.04	42.03	<0.01	<0.01	0.02	0.16	0.01	10	50	<10	<5	<5	5.57	99.16

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assay...s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod

Project: 345

Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2112	39.27	4.63	6.97	0.41	40.53	<0.01	<0.01	0.02	0.12	0.01	<10	50	<10	<5	<5	6.85	98.81
2113	39.19	0.78	7.43	0.04	44.63	<0.01	<0.01	0.02	0.13	0.01	<10	30	<10	<5	<5	5.97	98.20
2114	39.01	0.57	8.12	0.03	46.03	<0.01	<0.01	0.02	0.14	0.02	<10	30	<10	<5	<5	4.36	98.30
2115	41.74	1.09	8.19	0.02	39.37	<0.01	<0.01	0.03	0.08	0.02	<10	40	10	<5	5	8.84	99.39
2139	42.93	1.42	6.97	1.05	37.11	0.02	<0.01	0.03	0.10	0.01	<10	30	<10	<5	5	8.70	98.34
2140	43.03	0.63	7.88	0.84	41.18	<0.01	<0.01	0.02	0.11	0.01	<10	40	<10	<5	5	5.00	98.71
2141	42.22	0.51	8.12	0.38	42.49	<0.01	<0.01	0.02	0.12	0.01	<10	60	<10	<5	<5	4.43	98.31
2142	40.54	0.77	8.21	1.21	42.63	0.01	<0.01	0.02	0.12	0.01	<10	80	<10	<5	5	4.81	98.34
2143	37.86	0.71	8.79	0.70	44.36	<0.01	<0.01	0.02	0.13	0.01	<10	<10	<10	<5	5	5.73	98.31
2144	42.00	0.88	7.68	0.46	40.23	<0.01	<0.01	0.02	0.10	0.01	<10	<10	<10	<5	5	7.03	98.41
2145	41.76	0.37	8.16	0.68	42.34	<0.01	<0.01	0.01	0.12	0.01	<10	<10	<10	<5	<5	4.84	98.29
2146	38.74	0.88	7.41	1.91	39.49	<0.01	<0.01	0.02	0.10	0.01	<10	<10	<10	<5	5	10.02	98.56
2147	41.05	0.60	8.29	1.62	42.63	0.01	<0.01	0.02	0.12	<0.01	<10	30	<10	<5	5	5.20	99.55
2148	38.10	0.48	8.40	0.48	47.35	<0.01	<0.01	0.01	0.12	0.02	<10	30	<10	<5	<5	3.58	98.54
2149	41.00	0.48	7.92	0.42	44.86	<0.01	<0.01	0.02	0.11	0.01	<10	<10	<10	<5	<5	3.84	98.66
2150	41.63	0.36	7.85	0.51	43.77	<0.01	<0.01	0.01	0.11	0.01	<10	10	<10	<5	<5	4.54	98.78
2151	37.93	0.62	8.17	0.84	45.52	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	5.67	98.90
2152	37.95	0.47	8.33	0.89	45.28	<0.01	<0.01	0.01	0.12	0.01	<10	<10	<10	<5	<5	5.13	98.20
2153	41.38	0.46	7.85	0.41	43.65	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	5.59	99.47
2154	40.19	0.47	7.68	0.42	43.40	<0.01	<0.01	0.01	0.10	0.01	<10	<10	<10	<5	<5	6.88	99.17
2155	35.41	0.57	7.13	0.54	40.64	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	15.10	99.52
2156	32.26	0.22	7.17	0.16	40.83	<0.01	<0.01	0.01	0.15	0.01	<10	<10	<10	<5	<5	18.33	99.14
2157	35.47	0.69	6.40	1.32	34.18	0.01	<0.01	0.01	0.14	0.01	<10	<10	<10	<5	5	20.09	98.32
2158	38.12	0.71	7.10	0.32	38.93	<0.01	<0.01	0.01	0.17	0.02	<10	<10	<10	<5	5	14.25	99.63
2159	40.95	0.32	7.10	0.47	38.99	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	11.45	99.40
2160	36.94	0.31	8.11	0.81	44.52	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	8.49	99.31
2161	39.49	0.43	7.93	0.60	43.47	<0.01	<0.01	0.01	0.11	0.01	<10	<10	<10	<5	<5	7.37	99.42
2162	39.00	0.40	8.53	0.30	45.21	<0.01	<0.01	0.01	0.13	0.01	<10	<10	<10	<5	<5	5.15	98.74
2257	40.01	1.10	8.36	0.34	43.29	<0.01	<0.01	0.05	0.14	0.01	<10	<10	<10	<5	5	5.66	98.96
2258	41.22	1.02	8.16	0.14	41.93	<0.01	<0.01	0.03	0.14	0.01	<10	<10	<10	<5	5	6.50	99.15

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:_____

Assayers Canada
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Project: 345
Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2259	37.70	0.67	8.77	0.10	44.70	<0.01	<0.01	0.02	0.13	0.02	<10	20	<10	<5	5	6.15	98.27
2260	38.10	0.74	7.97	0.18	43.14	<0.01	<0.01	0.02	0.11	0.01	<10	20	<10	<5	5	8.52	98.79
2261	38.36	1.17	9.26	0.21	41.25	<0.01	<0.01	0.05	0.12	0.03	<10	20	10	<5	5	7.82	98.27
2262	39.63	0.84	7.93	0.27	43.28	<0.01	<0.01	0.02	0.11	0.02	<10	20	<10	<5	5	7.22	99.32
2263	38.65	0.55	8.76	0.04	45.60	<0.01	<0.01	0.01	0.13	0.02	<10	30	<10	<5	5	5.40	99.17
2264	38.66	0.59	8.22	0.12	44.02	<0.01	<0.01	0.01	0.12	0.02	<10	20	<10	<5	5	7.02	98.78
2265	38.96	0.51	8.26	0.02	43.42	<0.01	<0.01	0.01	0.12	0.01	<10	30	<10	<5	5	7.21	98.53
2266	42.94	0.55	7.45	0.01	40.19	<0.01	<0.01	0.01	0.11	0.01	<10	40	<10	<5	5	7.17	98.45
2267	42.97	0.62	7.50	0.04	39.00	<0.01	<0.01	0.02	0.10	0.01	<10	40	<10	<5	5	8.92	99.17
2268	40.49	0.66	8.27	0.13	42.02	<0.01	<0.01	0.02	0.13	0.01	<10	40	<10	<5	5	7.69	99.43
2269	41.95	0.86	7.90	0.11	39.00	<0.01	<0.01	0.02	0.13	0.01	<10	40	<10	<5	5	8.16	98.16
2270	39.44	0.96	8.40	0.04	41.88	<0.01	<0.01	0.03	0.14	0.01	<10	70	<10	<5	5	8.40	99.31
2271	40.48	0.92	7.81	0.27	40.75	<0.01	<0.01	0.02	0.18	0.01	<10	60	<10	<5	5	8.45	98.90
2272	39.23	0.82	8.89	0.15	42.19	<0.01	<0.01	0.02	0.11	0.03	<10	70	<10	<5	5	7.78	99.22
2273	45.32	0.62	9.12	0.02	34.92	0.01	<0.01	0.01	0.06	0.01	<10	60	<10	<5	5	8.58	98.68
2274	44.34	0.33	15.35	0.04	31.25	<0.01	<0.01	0.01	0.08	0.03	<10	60	10	<5	<5	8.01	99.44
2275	41.36	0.34	7.90	0.03	43.96	<0.01	<0.01	0.01	0.11	0.01	<10	60	<10	<5	<5	5.03	98.75
2276	39.81	0.45	8.66	0.02	44.65	<0.01	<0.01	0.01	0.12	0.01	<10	70	<10	<5	<5	5.27	99.01
2277	47.32	0.54	12.15	0.03	30.25	0.01	<0.01	0.01	0.04	0.02	<10	70	10	<5	5	8.14	98.51
2278	40.86	0.42	11.03	0.06	41.20	<0.01	<0.01	0.02	0.11	0.02	<10	70	<10	<5	<5	5.48	99.20
2235	48.11	0.76	7.41	0.04	37.88	0.02	<0.01	0.02	0.10	0.02	<10	70	<10	<5	5	4.57	98.94
2236	48.68	0.78	8.67	0.03	35.79	0.01	<0.01	0.02	0.09	0.02	<10	70	<10	<5	5	5.25	99.34
2237	46.44	0.74	7.42	0.02	39.17	0.01	<0.01	0.02	0.11	0.02	<10	60	<10	<5	5	4.50	98.45
2238	45.72	0.62	8.26	0.05	40.41	0.01	<0.01	0.01	0.13	0.02	<10	30	<10	<5	5	4.33	99.56
2239	39.53	0.78	8.42	0.06	44.53	0.01	<0.01	0.02	0.15	0.01	<10	40	<10	<5	5	5.06	98.58
2240	41.06	0.71	8.61	0.05	43.67	0.01	<0.01	0.02	0.15	<0.01	<10	20	<10	<5	5	4.55	98.84
2241	45.17	0.71	7.73	0.08	41.64	0.02	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	4.13	99.65
2242	40.53	0.80	8.43	0.13	44.72	0.01	<0.01	0.03	0.14	0.01	<10	10	<10	<5	5	3.46	98.24
2243	45.60	0.71	8.06	0.08	39.34	0.02	<0.01	0.02	0.12	0.01	<10	20	<10	<5	5	4.44	98.40
2244	39.40	0.74	8.95	0.01	46.09	0.02	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	3.68	99.03

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
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Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2245	41.03	0.69	8.28	0.05	45.51	0.01	<0.01	0.01	0.13	0.01	<10	30	<10	<5	5	3.67	99.41
2246	50.76	0.42	6.67	0.02	35.06	0.01	<0.01	0.02	0.06	0.01	<10	10	<10	<5	<5	5.25	98.28
2247	50.49	0.44	8.89	0.02	33.24	0.01	<0.01	0.02	0.05	0.02	<10	<10	<10	<5	<5	5.96	99.15
2248	42.62	0.81	7.87	0.02	41.93	0.01	<0.01	0.03	0.08	0.01	<10	10	<10	<5	5	5.80	99.18
2249	41.78	0.89	7.95	0.02	42.94	0.01	<0.01	0.01	0.09	<0.01	<10	<10	<10	<5	5	5.09	98.78
2250	39.56	0.87	8.48	0.03	44.51	0.01	<0.01	0.03	0.09	0.01	<10	<10	<10	<5	5	5.67	99.26
2251	43.35	2.62	8.33	0.02	36.68	0.01	<0.01	0.18	0.05	<0.01	<10	10	10	<5	5	8.04	99.29
2252	40.12	2.75	8.34	0.01	40.40	0.01	<0.01	0.16	0.11	<0.01	<10	20	10	<5	5	6.48	98.38
2253	44.38	0.75	8.55	0.01	41.63	0.01	<0.01	0.03	0.12	0.01	<10	10	<10	<5	5	3.61	99.10
2254	46.08	0.80	7.82	0.01	39.57	0.01	<0.01	0.02	0.08	0.01	<10	<10	<10	<5	5	5.23	99.65
2255	43.57	0.78	7.66	0.05	41.65	<0.01	<0.01	0.03	0.10	0.01	<10	10	10	<5	<5	4.62	98.47
2256	42.32	0.68	7.79	0.05	46.16	<0.01	<0.01	0.03	0.13	0.01	<10	20	<10	<5	<5	2.43	99.61
2116	42.47	0.24	8.93	0.01	45.12	0.03	<0.01	0.01	0.16	0.01	<10	20	<10	<5	<5	2.21	99.19
2117	42.72	0.39	8.65	0.09	44.15	0.04	<0.01	0.01	0.14	0.01	<10	10	<10	<5	<5	2.88	99.09
2118	46.12	0.96	7.39	0.57	39.14	0.09	0.02	0.02	0.11	0.01	<10	10	<10	<5	<5	3.95	98.39
2119	48.29	0.79	9.23	1.46	34.23	0.10	0.02	0.03	0.08	0.01	<10	20	<10	<5	<5	4.69	98.93
2120	46.89	1.10	8.27	0.11	38.02	0.07	0.01	0.04	0.12	0.02	10	<10	<10	<5	5	4.26	98.89
2121	44.27	0.79	8.54	0.15	41.41	0.04	<0.01	0.02	0.14	0.01	<10	30	<10	<5	5	2.87	98.24
2122	47.09	0.89	7.75	0.06	39.77	0.02	<0.01	0.02	0.12	0.01	<10	30	10	<5	5	3.17	98.91
2123	48.74	0.65	10.79	0.98	32.28	0.05	<0.01	0.02	0.07	0.01	<10	40	10	<5	5	4.89	98.49
2124	46.49	1.21	8.04	0.16	39.25	0.04	<0.01	0.02	0.09	0.01	<10	50	10	<5	5	4.02	99.33
2125	44.39	0.97	8.29	0.07	41.21	0.02	<0.01	0.02	0.10	<0.01	<10	<10	10	<5	5	3.74	98.81
2126	48.17	1.17	7.85	0.15	36.64	0.05	<0.01	0.03	0.10	0.01	<10	<10	<10	<5	5	4.35	98.52
2127	50.39	0.88	8.41	0.36	34.96	0.04	<0.01	0.02	0.09	0.01	<10	30	10	<5	5	4.38	99.54
2128	47.56	0.73	8.17	0.61	38.36	0.04	<0.01	0.02	0.10	0.01	10	<10	10	<5	<5	4.00	99.60
2129	47.59	0.84	6.82	0.33	40.50	0.03	<0.01	0.02	0.09	<0.01	10	<10	10	<5	5	3.37	99.59
2130	64.60	10.63	4.81	1.69	9.70	4.42	0.76	0.06	0.04	0.05	120	90	40	5	<5	2.35	99.13
2131	75.57	13.21	0.44	1.34	0.68	5.70	0.83	0.09	0.01	0.05	200	100	60	5	<5	0.52	98.48
2132	49.44	1.32	14.94	1.48	23.98	0.25	0.02	0.03	0.07	0.03	20	<10	10	5	<5	7.44	98.99
2133	43.10	0.77	8.87	0.59	40.13	0.04	<0.01	0.03	0.11	0.01	10	<10	10	<5	5	4.68	98.31

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
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Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod

Project: 345

Sample:

Report No : 2V0014 PL
Date : Jan-17-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2134	43.60	1.70	7.94	0.15	41.76	0.05	<0.01	0.03	0.09	<0.01	<10	<10	10	<5	<5	4.21	99.53
2135	43.07	0.33	8.40	0.10	43.55	0.03	<0.01	0.01	0.10	0.01	<10	<10	10	<5	<5	2.96	98.56
2136	47.23	1.16	8.51	0.63	38.18	0.04	<0.01	0.02	0.08	0.01	<10	<10	10	<5	<5	3.69	99.56
2137	47.78	0.54	7.61	0.03	40.22	0.01	<0.01	0.02	0.10	<0.01	<10	<10	<10	<5	<5	2.80	99.11
2138	48.92	1.52	7.73	0.09	36.81	0.05	0.13	0.04	0.06	<0.01	10	<10	10	<5	<5	3.75	99.09
2080	37.10	0.45	5.99	0.73	30.55	<0.01	<0.01	0.01	0.13	<0.01	<10	<10	<10	<5	<5	23.96	98.94
2081	32.65	0.54	6.28	1.84	33.23	<0.01	<0.01	0.01	0.17	<0.01	<10	<10	<10	<5	<5	23.76	98.49
2082	36.02	0.71	5.84	0.54	31.94	<0.01	<0.01	0.01	0.13	<0.01	<10	<10	<10	<5	<5	24.13	99.34
2083	36.33	1.06	5.90	1.03	33.32	<0.01	<0.01	0.02	0.09	<0.01	<10	<10	<10	<5	<5	20.85	98.60
2084	36.55	0.78	6.40	0.77	36.87	<0.01	<0.01	0.02	0.10	<0.01	<10	<10	<10	<5	<5	18.00	99.49
2085	36.30	0.48	6.98	0.40	38.01	<0.01	<0.01	0.01	0.09	<0.01	<10	<10	<10	<5	5	15.96	98.23
2086	36.63	0.34	7.09	0.13	38.45	<0.01	<0.01	0.01	0.09	<0.01	<10	<10	<10	<5	<5	16.41	99.15
2087	33.85	0.47	7.13	0.46	39.28	0.01	<0.01	0.02	0.11	0.01	<10	30	<10	<5	<5	17.78	99.12
2088	35.73	0.24	6.81	0.38	37.94	<0.01	<0.01	0.01	0.12	0.01	<10	30	10	<5	<5	17.21	98.45
2089	39.27	0.30	6.87	0.12	38.97	<0.01	<0.01	0.01	0.11	0.01	<10	20	<10	<5	<5	13.54	99.21
2090	36.29	0.18	7.60	0.04	43.24	<0.01	<0.01	0.01	0.13	0.01	<10	30	<10	<5	<5	12.10	99.59
2091	42.66	0.16	6.83	0.04	39.91	<0.01	<0.01	0.01	0.11	0.01	<10	10	10	<5	<5	9.49	99.21
2092	37.96	0.19	7.24	0.04	40.96	<0.01	<0.01	0.01	0.11	0.01	<10	20	<10	<5	<5	12.05	98.57
2093	37.30	0.37	7.14	0.20	38.75	<0.01	<0.01	0.01	0.10	0.01	<10	30	<10	<5	<5	15.39	99.26
2094	36.68	0.48	6.57	0.69	34.45	0.01	<0.01	0.01	0.11	0.01	<10	30	<10	<5	<5	20.00	98.99
2095	35.45	0.31	6.25	0.33	32.50	0.01	<0.01	0.01	0.11	0.01	<10	30	<10	<5	<5	23.55	98.52
2096	29.58	0.25	6.52	0.93	36.68	0.01	<0.01	0.01	0.22	0.01	<10	40	<10	<5	<5	24.46	98.68
2097	36.88	0.11	7.15	0.06	39.88	<0.01	<0.01	0.01	0.09	0.01	<10	30	<10	<5	<5	15.00	99.19
2098	34.43	0.23	7.67	0.17	41.86	<0.01	<0.01	0.01	0.08	<0.01	<10	40	10	<5	<5	14.58	99.06
2099	33.18	0.15	7.24	0.43	39.65	<0.01	<0.01	0.01	0.10	<0.01	<10	40	10	<5	<5	18.03	98.80
2100	29.85	0.24	6.70	0.55	37.59	<0.01	<0.01	0.01	0.12	0.01	<10	40	<10	<5	<5	23.62	98.71
2051	49.59	17.99	8.66	8.69	4.83	5.57	0.56	0.75	0.15	0.11	190	440	50	5	10	1.50	98.46
2052	50.83	11.17	10.55	8.35	12.50	2.33	0.55	0.74	0.17	0.08	180	130	40	5	10	1.98	99.29
2053	42.43	7.60	7.75	12.46	18.79	0.42	0.04	0.35	0.13	0.02	10	110	20	<5	15	8.79	98.80
2054	40.37	1.84	6.38	4.20	29.36	0.04	<0.01	0.06	0.11	0.02	<10	90	10	<5	5	16.20	98.59

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 2V0014 PL
Date : Jan-17-02

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod

Project: 345

Sample:

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2055	36.13	0.94	6.66	0.66	32.81	0.01	<0.01	0.02	0.11	0.01	<10	40	<10	<5	<5	22.01	99.36
2056	44.46	1.25	5.99	1.43	29.45	0.01	<0.01	0.02	0.08	0.01	<10	80	<10	<5	<5	15.64	98.34
2057	46.41	1.04	6.18	1.44	30.24	0.01	<0.01	0.02	0.08	0.01	<10	70	<10	<5	<5	12.99	98.41
2058	41.33	3.43	6.69	2.12	30.57	0.21	0.03	0.08	0.10	0.02	60	150	20	<5	<5	14.99	99.60
2059	54.36	18.38	3.78	2.69	8.81	5.87	1.24	0.39	0.05	0.19	750	1240	90	5	<5	3.20	99.17
2060	45.85	10.78	8.18	3.22	19.15	1.97	0.57	0.56	0.12	0.11	410	240	40	5	5	8.62	99.21
2061	38.63	2.09	6.79	3.96	30.92	0.02	<0.01	0.05	0.11	0.01	<10	110	<10	<5	5	16.35	98.95
2062	33.14	9.94	10.30	6.55	21.93	0.62	1.59	0.77	0.16	0.16	1690	300	40	5	10	13.56	98.92
2063	40.91	4.39	6.68	4.56	27.18	0.42	0.08	0.14	0.11	0.03	10	240	10	<5	5	14.51	99.03
2064	35.16	1.55	6.86	1.25	33.79	0.06	<0.01	0.05	0.10	<0.01	<10	110	<10	<5	5	20.83	99.67
2065	40.53	6.74	6.00	2.50	27.08	1.19	0.04	0.05	0.09	0.01	210	310	10	<5	5	14.19	98.48
2101	38.64	0.20	7.76	0.21	48.97	0.01	<0.01	0.01	0.11	0.01	<10	40	<10	<5	<5	2.38	98.30
2102	36.85	1.22	9.14	0.48	46.40	0.01	<0.01	0.05	0.12	<0.01	<10	50	10	<5	<5	3.52	97.79
2103	36.72	0.70	7.80	2.86	45.89	0.01	<0.01	0.03	0.11	0.01	<10	120	<10	<5	<5	5.28	99.42
2104	39.39	0.26	8.27	0.18	50.12	0.01	<0.01	0.02	0.12	0.01	<10	50	<10	<5	<5	1.22	99.61
2105	38.40	0.65	7.70	0.68	48.54	0.01	<0.01	0.01	0.11	0.01	<10	30	10	<5	<5	2.61	98.73
2106	38.59	0.30	7.74	0.65	48.59	<0.01	<0.01	0.01	0.11	0.01	<10	30	<10	<5	<5	2.30	98.31
2107	38.83	0.34	7.97	0.33	48.93	0.01	<0.01	0.02	0.11	0.01	<10	30	<10	<5	<5	2.83	99.39

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

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Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2279	41.23	0.21	8.47	0.15	46.83	0.01	0.01	0.01	0.13	0.01	<10	80	<10	<5	<5	2.16	99.23
2280	70.43	7.52	3.20	0.66	11.19	2.42	1.29	0.06	0.03	0.03	320	170	30	5	<5	2.77	99.66
2281	46.98	0.79	7.42	0.07	39.33	0.06	0.03	0.03	0.13	0.01	<10	60	<10	<5	5	4.21	99.05
2282	47.67	1.39	8.88	0.12	33.96	0.04	0.03	0.06	0.15	0.01	<10	110	<10	<5	5	6.22	98.54
2283	46.65	0.94	7.88	0.15	36.44	0.04	0.02	0.05	0.12	0.01	<10	40	<10	<5	5	6.11	98.42
2284	46.09	1.19	7.05	0.10	37.76	0.04	0.02	0.03	0.10	0.01	<10	70	<10	<5	5	6.07	98.47
2285	45.19	1.06	7.08	0.03	39.99	0.03	0.02	0.06	0.10	0.01	<10	50	<10	<5	5	5.15	98.73
2286	44.97	0.99	8.84	0.38	39.89	0.03	0.02	0.03	0.13	0.01	<10	50	<10	<5	5	3.82	99.11
2287	42.75	1.11	8.42	1.14	42.33	0.05	0.03	0.06	0.15	0.01	<10	70	<10	<5	5	2.73	98.79
2288	44.62	1.45	7.88	1.11	40.27	0.04	0.03	0.05	0.14	<0.01	<10	40	<10	<5	5	3.32	98.91
2289	43.73	0.71	9.76	0.32	41.12	0.21	0.03	0.03	0.12	0.01	<10	20	<10	<5	5	2.81	98.85
2290	44.29	0.50	11.64	0.22	38.44	0.03	0.02	0.02	0.09	0.02	<10	30	10	<5	<5	4.33	99.61
2291	46.40	0.68	8.30	0.01	40.09	0.03	0.02	0.03	0.09	0.01	<10	20	<10	<5	5	4.01	99.68
2292	47.78	0.67	9.72	0.01	32.21	0.03	0.03	0.02	0.06	0.01	<10	20	<10	<5	5	7.73	98.27
2293	44.08	0.48	9.06	0.06	40.85	0.05	0.03	0.02	0.11	0.01	<10	50	<10	<5	5	4.42	99.18
2294	43.76	0.55	12.06	0.05	36.50	0.03	0.04	0.01	0.07	0.02	<10	80	<10	<5	5	5.93	99.03
2295	44.18	1.07	9.98	0.03	36.85	0.03	0.04	0.02	0.07	0.01	<10	80	<10	<5	5	6.47	98.76
2296	41.69	0.66	10.05	0.06	40.28	0.03	0.04	0.01	0.09	0.02	<10	60	<10	<5	5	5.52	98.45
2297	43.52	0.74	10.30	0.02	39.49	0.03	0.04	0.01	0.09	0.02	<10	70	10	<5	5	5.24	99.52
2298	41.67	0.52	12.54	0.09	38.13	0.02	0.03	0.02	0.11	0.02	<10	60	<10	<5	5	6.56	99.72
2299	49.14	0.52	7.02	0.03	38.49	0.03	0.03	0.01	0.08	<0.01	<10	60	<10	<5	<5	4.09	99.46
2300	45.60	0.48	14.26	0.13	28.30	0.03	0.03	0.01	0.03	0.01	<10	50	<10	<5	<5	10.53	99.42
2301	43.63	1.28	15.18	3.37	28.52	0.16	0.08	0.02	0.10	0.10	10	70	10	<5	5	5.84	98.29
2302	42.64	0.75	8.75	0.24	43.90	0.04	0.04	0.02	0.13	0.02	10	60	<10	<5	5	3.07	99.60
2303	43.52	2.43	9.55	2.73	37.09	0.17	0.04	0.05	0.14	0.02	<10	30	<10	<5	5	3.37	99.12
2304	42.21	8.01	9.11	6.34	28.78	0.54	0.19	0.14	0.15	0.07	10	50	10	<5	10	3.47	99.03
2305	41.76	10.00	8.80	10.40	24.87	0.98	0.26	0.14	0.16	0.02	10	40	<10	<5	10	2.31	99.69
2306	40.80	7.50	8.61	5.75	33.64	0.30	0.11	0.09	0.16	0.01	10	40	<10	<5	5	1.88	98.85
2307	42.28	1.49	9.57	1.42	42.48	0.06	0.05	0.02	0.17	0.01	<10	40	<10	<5	5	1.62	99.18
2308	42.99	1.01	9.20	1.43	42.39	0.08	0.07	0.02	0.15	0.02	<10	50	<10	<5	5	2.18	99.55

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assay Canada
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Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2309	40.37	1.57	9.22	0.60	44.15	0.25	0.15	0.03	0.15	0.01	10	60	10	<5	<5	1.79	98.30
2310	51.00	8.59	6.35	2.23	25.23	2.29	0.60	0.16	0.11	0.04	90	190	30	<5	<5	1.65	98.27
2311	42.78	3.19	8.71	1.32	39.74	0.51	0.44	0.04	0.17	0.02	30	70	10	<5	5	2.46	99.39
2312	40.84	1.14	9.11	0.86	44.90	0.06	0.17	0.02	0.16	0.01	10	50	<10	<5	<5	2.39	99.66
2313	42.42	2.40	8.72	1.11	42.64	0.09	0.03	0.10	0.15	0.03	10	50	10	<5	5	1.54	99.23
2314	45.04	1.40	8.81	0.92	41.65	0.07	0.03	0.06	0.16	0.02	10	20	10	<5	5	1.30	99.45
2315	44.65	1.51	8.42	1.10	41.34	0.12	0.03	0.03	0.15	0.02	<10	30	10	<5	5	1.17	98.54
2316	43.23	3.04	8.29	1.61	39.67	0.44	0.10	0.10	0.15	0.05	20	70	10	<5	5	1.92	98.61
2317	41.94	0.84	8.95	0.99	45.23	0.08	0.04	0.02	0.16	0.02	<10	30	<10	<5	5	0.81	99.09
2318	42.32	0.62	8.86	0.50	44.74	0.05	0.07	0.02	0.14	0.01	<10	20	<10	<5	<5	0.96	98.29
2319	38.94	0.37	9.73	0.29	46.47	0.02	0.06	0.02	0.17	0.01	10	20	<10	<5	<5	2.07	98.16
2320	42.46	0.61	9.25	0.10	45.90	0.01	0.04	0.02	0.15	<0.01	10	30	<10	<5	<5	0.91	99.45
2321	41.79	0.96	9.40	0.26	45.49	0.04	0.06	0.03	0.16	0.01	10	10	<10	<5	<5	0.77	98.95
2322	40.96	0.65	9.61	1.56	45.04	0.07	0.05	0.03	0.15	0.01	<10	30	<10	<5	5	0.56	98.70
2323	38.81	0.53	9.83	0.78	47.95	0.05	0.04	0.02	0.15	0.01	<10	30	<10	<5	5	0.48	98.65
2324	36.64	0.50	10.02	0.86	49.71	0.05	0.06	0.02	0.16	0.01	10	20	<10	<5	5	0.54	98.56
2325	39.74	0.94	9.35	1.51	45.30	0.09	0.07	0.02	0.15	<0.01	10	30	<10	<5	5	1.56	98.76
2326	42.85	0.65	8.42	0.56	45.14	0.04	0.06	0.02	0.16	<0.01	10	<10	<10	<5	5	0.62	98.53
2327	43.54	0.53	8.31	0.59	45.26	0.04	0.03	0.01	0.15	0.01	<10	90	<10	<5	5	0.68	99.14
2328	43.78	0.77	8.47	0.73	44.70	0.06	0.05	0.02	0.15	0.01	10	70	<10	<5	5	0.87	99.61
2329	40.41	0.99	8.80	1.20	46.23	0.09	0.11	0.01	0.16	0.02	10	80	<10	<5	5	0.96	99.00
2330	37.53	0.43	9.90	0.43	49.21	0.04	0.12	0.01	0.18	0.01	10	80	<10	<5	<5	0.35	98.21
2331	35.88	0.27	10.27	0.13	52.07	0.03	0.09	0.01	0.17	0.01	10	80	<10	<5	<5	0.43	99.37
2332	38.90	0.49	9.79	0.25	49.11	0.05	0.08	0.02	0.17	0.02	10	60	<10	<5	<5	0.67	99.54
2333	42.12	0.51	9.77	0.44	44.82	0.05	0.18	0.01	0.20	0.01	10	50	<10	<5	<5	1.53	99.66
2334	39.56	0.81	9.81	1.11	46.38	0.10	0.27	0.02	0.19	0.01	20	90	<10	<5	5	0.64	98.92
2335	39.43	0.81	9.40	0.82	46.51	0.09	0.25	0.02	0.18	0.01	20	70	<10	<5	5	0.86	98.37
2336	35.90	0.34	10.49	0.28	51.24	0.04	0.16	0.01	0.19	0.01	10	80	<10	<5	<5	0.57	99.22
2337	42.15	0.51	9.45	0.70	45.74	0.07	0.13	0.01	0.17	0.01	10	60	<10	<5	5	0.69	99.63
2338	41.74	0.73	9.26	1.05	45.63	0.10	0.10	0.01	0.15	0.01	10	90	<10	<5	5	0.52	99.31

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

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Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2339	39.91	0.79	9.80	1.25	46.46	0.11	0.13	0.02	0.17	0.01	10	70	<10	<5	5	0.95	99.61
2340	44.51	0.82	8.91	0.68	43.62	0.08	0.11	0.02	0.16	0.01	10	70	<10	<5	5	0.50	99.43
2341	40.99	1.10	9.92	0.90	44.77	0.10	0.22	0.02	0.18	0.01	10	70	<10	<5	5	0.78	99.01
2342	39.97	1.01	9.64	1.01	46.20	0.13	0.16	0.02	0.17	0.01	20	60	<10	<5	5	0.17	98.51
2343	44.14	0.70	9.76	1.23	42.94	0.10	0.08	0.01	0.16	0.01	10	40	<10	<5	5	0.01	99.15
2344	44.64	0.82	8.67	0.78	42.61	0.08	0.17	0.02	0.17	0.01	10	30	<10	<5	5	0.81	98.77
2345	40.75	0.87	9.30	1.27	45.39	0.12	0.14	0.02	0.18	0.01	10	50	<10	<5	5	0.34	98.40
2346	39.41	0.85	9.20	1.75	47.65	0.12	0.08	0.02	0.17	<0.01	10	50	<10	<5	5	0.38	99.63
2347	44.95	0.67	8.51	1.09	43.30	0.08	0.11	0.02	0.17	0.01	10	50	<10	<5	5	0.62	99.52
2348	39.27	0.75	9.81	0.88	47.63	0.09	0.16	0.02	0.19	0.01	10	50	<10	<5	5	0.61	99.42
2349	38.14	0.74	9.56	1.50	47.69	0.12	0.12	0.02	0.17	0.01	10	40	<10	<5	5	0.41	98.47
2350	40.04	0.64	9.32	0.89	46.83	0.10	0.10	0.01	0.16	0.01	10	40	<10	<5	5	0.30	98.42
2351	44.49	0.63	8.00	0.98	43.64	0.08	0.06	0.01	0.14	0.01	<10	20	<10	<5	5	1.20	99.26
2352	41.27	0.79	8.35	0.99	46.04	0.10	0.10	0.02	0.15	0.01	10	30	<10	<5	5	0.39	98.22
2353	45.95	0.96	7.67	1.66	42.18	0.12	0.14	0.02	0.15	0.02	10	30	<10	<5	5	0.35	99.22
2354	43.78	0.49	9.00	1.00	44.06	0.08	0.10	0.01	0.16	0.01	<10	30	<10	<5	<5	0.31	99.00
2355	42.08	0.38	8.93	0.62	46.16	0.05	0.06	0.01	0.16	0.01	<10	40	<10	<5	<5	0.42	98.89
2356	42.14	0.75	8.73	0.89	45.42	0.10	0.07	0.02	0.16	0.01	<10	20	<10	<5	5	0.51	98.79
2357	45.47	0.81	8.08	1.23	42.92	0.11	0.05	0.02	0.15	0.01	<10	20	<10	<5	5	0.68	99.54
2358	45.33	0.66	8.22	0.82	43.43	0.08	0.07	0.02	0.15	0.01	<10	10	<10	<5	5	0.87	99.67
2359	44.41	0.44	8.39	1.00	43.59	0.07	0.07	0.01	0.16	0.01	<10	10	<10	<5	5	1.15	99.29
2360	46.02	2.82	7.63	1.58	37.05	0.81	0.47	0.04	0.14	0.02	40	30	10	<5	5	2.11	98.69
2361	42.15	0.96	8.88	1.10	44.69	0.13	0.07	0.02	0.16	0.01	<10	20	<10	<5	5	0.56	98.74
2362	44.74	0.90	7.96	1.22	42.90	0.08	0.05	0.02	0.15	0.01	<10	20	<10	<5	5	0.74	98.77
2363	45.53	0.89	8.23	1.06	42.35	0.07	0.05	0.02	0.15	0.01	<10	10	<10	<5	5	0.70	99.07
2364	41.31	0.94	9.03	1.41	44.80	0.10	0.07	0.02	0.17	0.01	<10	10	<10	<5	5	0.42	98.29
2365	43.62	0.87	8.57	1.41	43.61	0.09	0.06	0.02	0.15	0.01	<10	10	<10	<5	5	0.48	98.90
2366	44.08	0.76	8.24	1.32	43.24	0.08	0.03	0.02	0.14	0.01	<10	10	<10	<5	5	0.48	98.39
2367	41.94	0.72	9.15	0.97	45.02	0.09	0.08	0.02	0.16	0.01	<10	10	<10	<5	5	0.42	98.59
2368	40.47	0.96	9.44	0.93	46.98	0.09	0.07	0.02	0.16	0.01	<10	30	<10	<5	5	0.35	99.50

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

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Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2369	43.61	0.93	8.89	1.01	42.84	0.10	0.08	0.02	0.15	0.01	<10	20	<10	<5	5	0.75	98.39
2370	44.31	0.99	9.07	1.15	41.76	0.10	0.07	0.03	0.15	0.01	<10	10	<10	<5	5	0.57	98.21
2371	41.53	0.75	9.45	0.84	45.35	0.08	0.05	0.02	0.15	0.01	<10	10	<10	<5	5	0.90	99.14
2372	42.66	0.85	9.66	1.17	44.25	0.10	0.06	0.02	0.16	0.01	<10	10	<10	<5	5	0.64	99.58
2373	40.92	1.43	9.57	1.60	42.90	0.28	0.10	0.04	0.16	0.02	10	10	10	<5	5	1.88	98.90
2374	40.61	0.98	9.87	0.76	42.92	0.08	0.20	0.02	0.18	0.01	10	<10	<10	<5	5	2.79	98.41
2375	43.67	1.12	9.18	0.70	42.07	0.10	0.25	0.03	0.16	0.02	10	30	10	<5	5	1.25	98.57
2376	43.74	1.59	8.87	2.37	40.60	0.20	0.19	0.06	0.15	0.02	10	30	10	<5	5	0.89	98.69
2377	44.35	1.68	9.01	1.28	41.58	0.15	0.15	0.06	0.15	0.02	10	30	10	<5	5	0.69	99.14
2378	41.86	1.76	8.88	1.67	42.41	0.18	0.15	0.06	0.15	0.02	10	30	10	<5	5	1.10	98.24
2379	43.20	1.14	9.17	0.97	44.00	0.11	0.09	0.04	0.15	0.02	<10	30	10	<5	5	0.44	99.32
2380	42.13	1.31	9.10	0.82	41.97	0.11	0.02	0.07	0.16	0.02	10	50	10	<5	5	2.94	98.66
2381	44.71	0.94	9.29	0.47	39.02	0.02	0.01	0.04	0.13	0.02	<10	40	10	<5	5	3.90	98.55
2382	44.05	0.87	8.88	0.16	40.59	0.02	0.01	0.03	0.12	0.02	<10	50	<10	<5	5	4.54	99.30
2383	43.31	0.57	9.70	0.19	41.15	0.03	0.01	0.03	0.11	0.02	<10	30	10	<5	5	4.02	99.15
2384	38.66	0.50	12.01	0.10	43.48	0.02	0.01	0.02	0.12	0.02	<10	50	10	<5	<5	3.74	98.69
2385	46.13	0.51	8.94	0.06	40.06	0.01	<0.01	0.01	0.11	0.02	<10	50	<10	<5	<5	3.27	99.11
2386	46.50	1.00	8.12	0.06	39.21	0.01	<0.01	0.02	0.11	0.02	<10	50	10	<5	<5	4.04	99.11
2387	45.81	1.15	8.46	0.21	37.56	0.07	0.02	0.05	0.07	0.03	<10	50	10	<5	5	5.51	98.95
2388	42.70	0.95	9.86	0.11	41.12	0.02	0.01	0.03	0.10	0.03	<10	40	10	<5	5	4.70	99.63
2389	40.52	0.35	9.25	0.09	47.10	<0.01	<0.01	0.01	0.15	0.02	<10	40	<10	<5	<5	1.32	98.81
2390	45.15	0.52	8.74	0.02	40.63	0.01	0.01	0.02	0.09	0.02	<10	70	<10	<5	<5	3.78	99.01
2391	52.33	0.56	7.02	0.02	35.04	0.01	<0.01	0.02	0.08	0.02	<10	80	10	<5	<5	4.53	99.64
2392	43.95	0.46	8.79	0.02	40.88	<0.01	<0.01	0.01	0.10	0.02	<10	80	<10	<5	<5	4.86	99.11
2393	39.70	0.17	8.70	0.04	49.64	<0.01	<0.01	0.01	0.14	0.02	<10	70	<10	<5	<5	1.18	99.62
2394	38.79	0.12	9.29	0.08	49.31	<0.01	<0.01	0.01	0.15	0.01	<10	50	<10	<5	<5	1.85	99.62
2395	41.73	0.56	8.38	0.04	42.61	<0.01	<0.01	0.01	0.12	0.02	<10	50	<10	<5	<5	5.29	98.77
2396	42.07	0.36	8.71	0.05	44.91	<0.01	<0.01	0.01	0.14	0.02	<10	60	<10	<5	<5	3.35	99.63
2397	42.34	0.76	8.37	0.01	44.05	0.01	<0.01	0.02	0.14	0.02	<10	30	<10	<5	5	3.60	99.32
2398	41.68	0.67	9.18	<0.01	43.76	0.01	<0.01	0.01	0.13	0.03	<10	50	<10	<5	5	3.95	99.44

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:_____

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2399	47.08	0.89	7.82	0.02	36.84	0.01	<0.01	0.01	0.08	0.01	<10	20	<10	<5	5	6.14	98.91
2400	52.81	0.87	6.51	0.02	32.44	0.01	<0.01	0.02	0.04	0.01	<10	<10	10	<5	<5	7.00	99.73
2401	51.06	0.78	6.82	0.02	34.30	0.01	<0.01	0.03	0.07	<0.01	<10	20	10	<5	<5	6.04	99.14
2402	46.17	3.50	8.08	1.62	31.02	0.55	0.12	0.16	0.14	0.02	30	70	20	<5	5	7.38	98.77
2403	44.75	1.32	8.10	0.48	33.33	0.05	0.04	0.03	0.13	0.01	10	<10	10	<5	5	10.10	98.34
2404	48.23	2.42	7.38	0.80	31.68	0.35	0.09	0.03	0.14	0.01	30	30	10	<5	5	7.27	98.42
2405	66.99	9.49	3.09	1.33	10.93	3.56	0.61	0.07	0.07	0.03	180	150	40	<5	<5	2.42	98.64
2406	75.62	12.92	0.55	1.45	1.21	4.79	1.29	0.10	0.01	0.03	330	130	70	5	<5	0.53	98.57
2407	73.08	12.65	1.91	2.48	2.56	4.19	1.42	0.23	0.03	0.06	290	160	60	5	<5	1.04	99.70
2408	67.66	11.04	3.52	2.94	6.61	3.19	1.15	0.28	0.07	0.07	220	170	60	5	5	2.54	99.11
2409	48.46	0.70	8.86	0.08	34.28	0.03	0.01	0.02	0.16	0.01	10	<10	<10	<5	<5	6.67	99.29
2410	48.15	0.59	8.52	0.40	36.89	0.03	0.01	0.02	0.16	0.01	10	<10	<10	<5	5	4.30	99.08
2411	47.10	0.75	8.65	0.18	39.37	0.03	0.03	0.02	0.17	0.01	10	<10	10	<5	5	2.36	98.66
2412	51.69	0.49	13.18	1.47	27.36	0.06	0.02	0.02	0.16	0.02	10	<10	10	<5	5	4.22	98.69
2413	46.98	0.36	8.58	0.08	40.95	0.03	0.02	0.01	0.18	0.01	10	<10	<10	<5	<5	2.01	99.21
2414	48.72	0.86	7.40	0.10	39.48	0.03	0.02	0.02	0.16	0.01	10	<10	10	<5	<5	2.49	99.28
2415	48.50	0.63	7.26	0.16	39.03	0.03	0.02	0.01	0.16	0.01	10	<10	<10	<5	<5	2.88	98.70
2416	46.38	0.74	8.32	0.29	40.77	0.02	0.02	0.02	0.18	0.01	10	<10	<10	<5	5	2.92	99.67
2417	48.61	0.89	8.84	1.68	35.42	0.05	0.04	0.03	0.14	0.01	20	<10	<10	<5	5	3.86	99.58
2418	60.36	4.50	5.18	1.15	23.21	1.38	0.12	0.05	0.10	0.02	50	20	20	<5	<5	3.20	99.27
2419	50.37	0.71	7.18	1.27	35.06	0.11	0.03	0.02	0.17	0.01	10	<10	<10	<5	5	3.45	98.39
2420	46.34	0.52	8.02	0.37	41.42	0.03	0.02	0.02	0.19	0.01	10	<10	<10	<5	<5	2.38	99.32
2421	48.74	0.44	8.11	0.62	38.05	0.04	0.02	0.01	0.20	0.01	10	<10	10	<5	<5	2.09	98.33
2422	37.98	3.58	9.25	3.11	39.27	0.57	0.12	0.21	0.14	0.03	20	40	20	<5	5	4.10	98.37
2423	48.85	7.66	8.46	4.07	24.05	1.32	0.31	0.47	0.14	0.07	50	170	40	5	5	3.91	99.34
2424	49.25	7.32	7.90	3.13	24.39	1.45	0.50	0.36	0.12	0.07	70	170	40	5	5	3.76	98.29
2425	43.69	7.59	9.44	4.18	27.99	1.26	0.23	0.53	0.15	0.09	40	180	50	5	5	3.99	99.18
2426	48.19	10.18	8.62	5.73	20.59	1.79	0.41	0.60	0.15	0.08	50	210	40	5	10	2.16	98.53
2427	53.16	10.79	7.77	4.95	15.72	2.11	0.73	0.57	0.16	0.10	80	220	60	5	5	3.03	99.12
2428	55.57	9.53	6.45	3.46	18.40	2.10	0.88	0.35	0.14	0.08	110	220	50	5	5	2.29	99.29

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2429	46.68	9.33	9.00	5.26	22.46	1.57	0.37	0.52	0.17	0.08	40	180	40	5	10	2.89	98.36
2430	44.01	6.60	9.34	3.95	30.66	1.02	0.21	0.43	0.16	0.06	20	150	30	5	5	3.04	99.49
2431	45.87	6.21	9.24	4.06	29.07	0.88	0.18	0.42	0.16	0.06	20	150	30	5	5	3.29	99.44
2432	51.35	11.73	8.16	6.02	16.83	1.83	0.57	0.53	0.14	0.09	70	240	60	5	5	2.14	99.44
2433	60.48	17.24	5.05	6.05	2.83	3.49	1.30	0.53	0.09	0.15	170	450	70	5	5	1.24	98.54
2434	60.22	17.59	5.08	6.25	2.79	3.63	1.40	0.53	0.10	0.15	170	430	90	5	5	1.14	98.96
2435	58.03	18.96	5.27	6.03	2.98	3.86	1.46	0.56	0.11	0.17	170	450	100	5	5	1.54	99.04
2436	39.76	0.76	8.24	1.25	41.55	0.02	<0.01	0.04	0.12	0.01	<10	50	<10	<5	5	6.47	98.23
2437	39.02	0.76	8.39	1.59	43.22	0.02	<0.01	0.04	0.13	0.01	<10	60	10	<5	5	6.35	99.54
2438	38.20	1.04	8.48	3.58	41.34	0.02	0.01	0.10	0.13	0.01	<10	50	<10	<5	5	5.86	98.79
2439	40.28	0.67	8.34	0.67	41.60	0.01	<0.01	0.02	0.12	0.01	<10	70	<10	<5	5	7.34	99.07
2440	38.54	0.50	8.71	0.52	44.17	0.01	<0.01	0.01	0.13	0.01	<10	60	<10	<5	5	7.07	99.66
2441	41.00	0.55	8.20	1.17	41.61	0.02	<0.01	0.01	0.12	0.01	<10	50	<10	<5	5	6.79	99.48
2442	39.88	0.54	8.45	0.69	42.51	0.03	<0.01	0.01	0.12	0.01	<10	70	10	<5	5	7.11	99.38
2443	40.02	0.58	8.27	0.93	42.79	0.02	<0.01	0.01	0.11	<0.01	<10	60	<10	<5	5	6.76	99.50
2444	34.08	0.76	9.24	0.65	45.54	0.02	<0.01	0.01	0.12	0.01	<10	80	<10	<5	5	7.91	98.35
2445	38.27	0.57	8.53	1.12	43.12	0.01	<0.01	0.01	0.13	0.01	<10	70	<10	<5	5	7.22	99.00
2446	37.89	0.92	8.34	0.36	42.59	0.02	<0.01	0.02	0.10	0.01	<10	80	<10	<5	5	8.84	99.11
2447	38.30	0.88	8.70	1.44	42.10	0.02	<0.01	0.02	0.12	0.01	<10	30	10	<5	5	7.32	98.90
2448	41.03	0.75	8.12	2.01	40.83	0.01	<0.01	0.02	0.13	0.01	<10	20	<10	<5	5	5.51	98.44
2449	37.17	0.61	9.00	1.10	44.82	0.01	<0.01	0.01	0.14	0.02	<10	20	<10	<5	5	5.99	98.86
2450	36.07	0.84	8.40	2.19	43.29	0.02	<0.01	0.02	0.12	0.01	<10	20	<10	<5	5	7.30	98.27
2451	36.96	0.77	8.56	1.29	42.81	0.01	<0.01	0.02	0.12	0.02	<10	20	<10	<5	5	7.84	98.40
2452	36.71	0.70	8.63	1.13	43.81	0.01	<0.01	0.01	0.13	0.02	<10	20	<10	<5	5	7.68	98.84
2453	37.89	0.60	8.61	1.23	42.96	0.02	<0.01	0.01	0.13	0.02	<10	10	<10	<5	5	7.47	98.95
2454	41.08	0.55	8.20	0.86	41.57	0.01	<0.01	0.01	0.12	0.01	<10	20	<10	<5	<5	7.10	99.52
2455	38.85	0.58	9.09	0.86	43.08	0.01	<0.01	0.02	0.12	0.01	<10	10	<10	<5	5	6.51	99.14
2456	36.19	0.49	9.26	0.84	46.62	0.01	<0.01	0.01	0.14	0.02	<10	10	<10	<5	5	5.54	99.11
2457	40.96	0.38	8.30	0.74	42.18	<0.01	<0.01	0.01	0.12	0.01	<10	<10	<10	<5	5	5.62	98.34
2458	37.92	0.53	8.38	0.77	43.87	0.02	<0.01	0.01	0.12	0.02	<10	<10	<10	<5	5	6.85	98.48

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: _____

Assa[illegible]s Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2459	37.99	0.37	9.23	1.28	45.12	0.01	<0.01	0.01	0.15	0.02	<10	<10	<10	<5	5	5.41	99.60
2460	38.28	1.82	8.81	3.29	39.85	0.04	<0.01	0.04	0.13	0.02	<10	<10	<10	<5	5	6.00	98.29
2461	41.69	1.00	8.38	1.10	40.71	0.03	<0.01	0.03	0.13	0.01	<10	<10	<10	<5	5	6.02	99.11
2462	38.32	0.89	9.42	1.16	43.65	0.02	<0.01	0.03	0.13	0.02	<10	<10	<10	<5	5	4.49	98.13
2463	39.39	1.06	8.83	1.61	43.10	0.03	<0.01	0.03	0.12	0.02	<10	<10	<10	<5	5	4.99	99.20
2464	36.98	0.73	8.79	0.69	47.61	0.02	<0.01	0.02	0.13	0.02	<10	<10	<10	<5	<5	4.25	99.23
2465	38.66	1.14	7.97	1.18	41.24	0.02	<0.01	0.03	0.12	0.02	<10	<10	<10	<5	5	7.88	98.26
2466	38.58	1.38	8.09	1.86	40.11	0.03	<0.01	0.03	0.12	0.02	<10	<10	<10	<5	5	8.30	98.53
2467	38.26	0.99	8.67	1.37	41.94	0.03	<0.01	0.02	0.13	0.01	<10	<10	<10	<5	5	8.03	99.45
2468	37.43	1.83	8.47	1.06	40.17	0.11	0.02	0.06	0.12	0.02	10	20	10	<5	5	10.36	99.67
2469	40.73	10.63	7.47	4.38	22.56	1.44	0.35	0.47	0.11	0.07	80	170	30	5	5	10.40	98.64
2470	39.05	0.98	8.35	0.78	40.73	0.02	<0.01	0.01	0.12	0.01	<10	<10	<10	<5	5	9.04	99.08
2471	40.10	0.66	8.21	0.54	39.81	0.01	<0.01	0.01	0.11	0.01	<10	40	<10	<5	5	8.95	98.41
2472	37.61	0.23	9.16	0.10	46.56	0.01	<0.01	0.01	0.15	0.01	<10	40	<10	<5	<5	4.67	98.50
2473	39.34	0.62	8.33	1.00	41.29	0.02	<0.01	0.01	0.12	<0.01	<10	50	10	<5	5	8.12	98.85
2474	42.21	0.53	8.22	0.94	40.52	0.01	<0.01	0.01	0.12	0.01	<10	50	<10	<5	5	6.70	99.29
2475	39.09	0.69	8.51	0.95	41.71	0.01	<0.01	0.01	0.11	0.01	<10	40	<10	<5	5	7.20	98.30
2476	40.85	0.64	8.38	1.25	39.79	0.03	<0.01	0.01	0.11	0.01	<10	20	<10	<5	5	7.28	98.36
2477	35.07	0.46	8.96	0.73	43.88	0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	5	9.04	98.31
2478	37.60	0.68	8.34	0.58	42.83	0.02	<0.01	0.01	0.10	<0.01	<10	40	<10	<5	5	8.42	98.58
2479	36.94	0.56	8.98	0.78	43.65	0.02	<0.01	0.01	0.12	0.01	<10	50	<10	<5	5	7.58	98.64
2480	41.00	0.40	8.44	1.05	41.87	0.01	<0.01	0.01	0.13	<0.01	<10	50	<10	<5	5	5.86	98.80
2481	39.39	0.43	8.97	0.93	43.43	0.01	<0.01	0.01	0.13	0.01	<10	50	<10	<5	5	5.34	98.65
2482	37.64	0.86	8.67	0.89	43.54	0.02	<0.01	0.02	0.11	0.01	<10	60	<10	<5	5	7.61	99.38
2483	39.59	0.54	8.36	0.45	45.18	0.01	<0.01	0.02	0.13	0.01	<10	50	<10	<5	<5	4.91	99.21
2484	41.24	0.86	8.08	0.85	41.19	0.02	<0.01	0.02	0.10	0.01	<10	70	10	<5	5	7.16	99.55
2485	39.81	0.58	8.37	0.69	44.19	0.01	<0.01	0.01	0.12	0.01	<10	60	<10	<5	<5	5.57	99.37
2486	41.06	0.68	8.19	0.61	43.33	0.01	<0.01	0.01	0.12	0.01	<10	50	<10	<5	<5	5.04	99.06
2487	42.07	0.85	7.72	1.56	39.45	0.01	<0.01	0.02	0.11	0.01	<10	50	<10	<5	5	7.15	98.97
2488	42.84	0.68	7.93	0.81	41.22	0.01	<0.01	0.01	0.12	0.01	<10	50	<10	<5	<5	5.95	99.59

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2489	40.79	0.79	8.48	1.63	42.30	0.02	<0.01	0.01	0.13	0.01	<10	50	<10	<5	5	5.42	99.58
2490	37.62	1.24	8.38	1.70	42.55	0.02	<0.01	0.02	0.12	<0.01	<10	60	<10	<5	5	7.34	98.99
2491	43.50	0.90	7.93	1.18	39.68	0.02	0.01	0.01	0.12	0.01	<10	60	<10	<5	5	6.13	99.48
2492	41.82	0.82	8.20	0.70	42.13	0.01	0.01	0.01	0.12	0.01	<10	50	<10	<5	5	5.47	99.30
2493	41.45	0.95	8.06	1.07	41.05	0.02	0.01	0.02	0.11	0.01	<10	30	<10	<5	5	6.65	99.40
2494	39.84	0.56	8.53	0.75	43.78	0.01	0.01	0.01	0.14	0.01	<10	60	<10	<5	<5	5.04	98.68
2495	42.08	0.55	8.29	0.39	42.99	<0.01	<0.01	0.02	0.12	0.01	<10	20	<10	<5	<5	5.06	99.52
2496	39.58	0.60	8.43	0.68	45.77	<0.01	<0.01	0.02	0.12	0.01	<10	30	<10	<5	<5	4.41	99.62
2497	35.56	0.35	9.11	1.87	47.15	<0.01	<0.01	0.02	0.14	0.01	<10	40	<10	<5	5	4.00	98.21
2498	41.92	0.29	8.47	0.75	44.47	<0.01	<0.01	0.01	0.14	0.01	<10	30	<10	<5	<5	3.45	99.50
2499	41.06	1.18	8.08	2.26	39.85	<0.01	<0.01	0.02	0.11	0.01	<10	30	<10	<5	5	6.41	99.00
2500	37.65	1.30	8.88	1.38	44.35	0.12	<0.01	0.03	0.13	<0.01	<10	30	<10	<5	5	4.41	98.26
2501	42.06	0.72	8.80	0.73	41.89	<0.01	<0.01	0.01	0.13	0.02	<10	30	<10	<5	5	4.80	99.18
2502	40.57	0.97	8.26	1.04	42.46	<0.01	<0.01	0.02	0.12	0.01	<10	40	<10	<5	5	5.92	99.35
2503	40.49	0.95	9.04	1.07	41.97	<0.01	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	5.13	98.82
2504	39.78	0.97	9.25	1.50	42.08	<0.01	<0.01	0.02	0.13	0.01	<10	40	<10	<5	5	5.66	99.41
2505	42.70	0.56	9.06	1.12	41.18	<0.01	<0.01	0.02	0.14	0.01	<10	30	<10	<5	5	4.24	99.04
2506	42.41	0.89	7.84	0.53	40.02	<0.01	<0.01	0.02	0.11	0.01	<10	20	<10	<5	5	7.70	99.53
2507	39.24	1.25	8.45	0.52	40.11	<0.01	<0.01	0.02	0.11	0.01	<10	30	<10	<5	5	8.78	98.50
2508	39.52	0.71	8.96	0.51	43.21	<0.01	<0.01	0.02	0.13	0.01	<10	30	10	<5	5	6.04	99.11
2509	39.17	0.69	8.93	1.28	43.26	<0.01	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	5.52	99.01
2510	39.19	0.43	9.18	0.19	44.84	<0.01	<0.01	0.01	0.14	0.01	<10	30	<10	<5	<5	4.23	98.23
2511	40.77	0.24	9.06	0.01	45.64	<0.01	<0.01	0.01	0.13	0.01	<10	40	10	<5	<5	2.98	98.87
2512	41.28	0.19	9.22	0.25	46.22	<0.01	<0.01	0.01	0.13	0.01	<10	30	10	<5	<5	2.12	99.43
2513	38.37	0.42	9.22	0.37	46.70	<0.01	<0.01	0.01	0.13	0.01	<10	40	<10	<5	<5	3.30	98.54
2514	40.47	0.66	8.98	1.21	44.08	<0.01	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	3.92	99.48
2515	36.90	1.44	7.88	6.31	40.14	<0.01	<0.01	0.05	0.11	0.01	<10	40	10	<5	10	5.48	98.33
2516	40.98	0.67	8.69	0.94	43.24	<0.01	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	5.03	99.71
2517	41.98	0.90	8.35	0.99	41.43	<0.01	<0.01	0.02	0.12	0.01	<10	30	<10	<5	5	5.71	99.52
2518	41.74	0.90	8.57	0.37	40.51	<0.01	<0.01	0.02	0.12	0.02	<10	20	<10	<5	5	6.91	99.16

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2519	41.51	0.57	8.62	0.73	42.26	0.02	<0.01	0.02	0.12	0.01	<10	30	<10	<5	5	5.50	99.37
2520	40.01	0.68	8.97	0.65	43.07	0.02	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	5.92	99.50
2521	41.06	0.51	8.61	0.40	42.40	0.02	<0.01	0.02	0.12	0.01	<10	30	<10	<5	<5	5.30	98.44
2522	38.55	0.54	9.48	0.23	44.23	0.03	<0.01	0.02	0.14	0.01	<10	30	<10	<5	<5	6.18	99.41
2523	42.26	0.95	8.12	1.26	39.46	0.04	<0.01	0.02	0.12	0.01	<10	30	<10	<5	5	7.37	99.60
2524	36.09	1.20	9.15	1.50	43.03	0.07	0.01	0.03	0.13	0.01	<10	50	<10	<5	5	7.29	98.50
2525	42.42	1.22	7.83	1.10	38.45	0.06	<0.01	0.03	0.11	0.01	<10	30	<10	<5	5	7.96	99.19
2526	38.13	1.72	8.31	1.47	40.21	0.06	0.01	0.03	0.12	0.01	<10	30	<10	<5	5	8.36	98.43
2527	38.72	1.37	8.63	1.55	39.99	0.09	0.01	0.04	0.12	0.01	<10	30	<10	<5	5	8.03	98.56
2528	40.89	1.62	8.98	0.51	36.15	0.03	0.01	0.05	0.13	0.01	<10	30	<10	<5	5	10.59	98.97
2529	40.23	1.90	7.68	1.51	38.25	0.04	0.01	0.04	0.11	0.01	<10	40	10	<5	5	8.59	98.37
2530	39.45	0.88	8.85	1.11	41.74	0.06	<0.01	0.02	0.13	0.01	<10	40	<10	<5	5	6.18	98.45
2531	40.73	1.02	8.47	1.15	39.64	0.09	<0.01	0.03	0.12	<0.01	<10	40	<10	<5	5	7.79	99.05
2532	41.39	0.87	8.94	0.71	40.50	0.03	<0.01	0.03	0.13	0.01	<10	30	<10	<5	5	6.37	98.99
2533	38.10	1.09	8.70	1.46	41.82	0.14	<0.01	0.03	0.13	0.01	<10	40	<10	<5	5	7.09	98.59
2534	37.02	1.06	9.10	1.02	42.37	0.16	0.01	0.03	0.13	0.01	<10	30	<10	<5	5	7.52	98.42
2535	40.30	1.04	8.83	0.99	41.03	0.15	0.01	0.03	0.13	0.01	<10	30	<10	<5	5	6.08	98.60
2536	39.93	1.40	8.94	1.88	40.51	0.37	0.02	0.04	0.13	0.01	<10	40	<10	<5	5	5.28	98.52
2537	40.21	1.19	8.74	1.16	40.54	0.13	<0.01	0.03	0.13	0.01	<10	40	<10	<5	5	7.29	99.44
2538	41.88	1.13	8.23	1.35	39.36	0.16	<0.01	0.03	0.12	0.01	<10	30	<10	<5	5	6.76	99.02
2539	42.16	1.05	8.18	1.34	39.51	0.06	<0.01	0.03	0.12	0.01	<10	30	<10	<5	5	6.79	99.26
2540	40.00	1.48	7.85	0.66	39.49	0.04	<0.01	0.03	0.11	0.01	<10	30	<10	<5	5	9.78	99.45
2541	37.36	0.98	8.61	1.07	41.63	0.04	<0.01	0.02	0.13	0.01	<10	30	<10	<5	5	8.84	98.70
2542	38.02	0.92	8.43	0.67	40.79	0.02	<0.01	0.03	0.12	<0.01	<10	30	<10	<5	5	9.40	98.39
2543	40.99	0.97	8.93	1.52	42.17	0.14	0.01	0.03	0.12	0.01	<10	70	<10	<5	5	4.33	99.23
2544	39.12	1.23	9.47	0.97	43.02	0.02	0.01	0.02	0.14	0.02	<10	70	<10	<5	5	5.02	99.05
2545	41.88	1.60	8.48	1.63	37.50	0.06	0.01	0.03	0.13	0.01	<10	80	10	<5	5	7.41	98.76
2546	40.20	1.84	8.83	1.73	38.53	0.11	0.01	0.04	0.14	0.01	<10	90	10	<5	5	7.75	99.20
2547	39.41	1.55	9.17	1.29	42.12	0.07	0.01	0.02	0.13	0.01	<10	90	<10	<5	5	5.67	99.48
2548	42.79	1.09	8.53	1.68	40.46	0.13	0.01	0.03	0.12	0.01	<10	90	<10	<5	5	4.72	99.58

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed: 

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Leader Mining International Inc
Attention: Jasi Nikhanj/Mike MacLeod
Project: 345
Sample:

Report No : 2V0024 PL
Date : Jan-14-02

ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	K_2O %	TiO_2 %	MnO %	P_2O_5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	LOI %	Total %
2549	37.37	1.59	8.97	1.83	44.02	0.13	0.01	0.03	0.13	0.02	<10	80	<10	<5	5	5.58	99.67
2550	40.05	1.30	8.68	1.24	42.09	0.07	<0.01	0.02	0.12	0.02	<10	90	<10	<5	5	5.55	99.16
2551	41.27	1.09	8.59	1.62	41.25	0.17	0.01	0.02	0.12	0.02	<10	90	<10	<5	5	4.31	98.49
2552	38.60	1.82	8.92	2.15	41.14	0.30	0.01	0.04	0.13	0.02	<10	90	10	<5	5	5.10	98.22
2553	39.34	0.98	9.66	1.00	44.31	0.12	0.01	0.03	0.14	0.01	<10	100	10	<5	5	3.92	99.52
2554	35.56	2.03	9.30	1.98	43.31	0.23	0.01	0.03	0.13	0.02	<10	100	<10	<5	5	5.92	98.53
2555	36.49	1.56	9.59	1.41	42.55	0.04	0.01	0.03	0.14	0.02	<10	100	10	<5	5	6.36	98.20
2556	42.22	1.76	7.90	2.70	36.81	0.24	0.02	0.03	0.11	0.01	<10	120	<10	<5	5	7.82	99.62
2557	41.54	0.82	8.71	1.14	40.23	0.05	0.01	0.02	0.12	0.02	<10	90	<10	<5	5	6.46	99.13
2558	38.71	0.72	9.08	0.76	43.67	0.04	0.01	0.02	0.13	0.02	<10	120	<10	<5	5	5.86	99.02
2559	41.48	0.91	8.49	0.95	40.57	0.09	0.01	0.02	0.12	0.02	<10	110	<10	<5	5	6.20	98.86
2560	38.68	1.08	9.57	1.14	43.79	0.10	0.01	0.03	0.14	0.02	<10	120	<10	<5	5	5.04	99.60
2561	39.93	0.88	8.71	1.01	42.89	0.10	0.01	0.02	0.12	0.02	<10	100	<10	<5	5	5.06	98.75
2562	36.77	1.01	9.58	1.18	44.12	0.05	0.02	0.03	0.14	0.02	<10	100	10	<5	5	5.64	98.57
2563	40.60	1.15	8.95	2.19	41.11	0.12	0.01	0.03	0.13	0.01	<10	110	<10	<5	5	5.02	99.34
2564	38.79	0.86	8.92	1.35	43.45	0.09	0.01	0.02	0.12	0.02	<10	100	<10	<5	5	5.14	98.77
2565	36.96	1.17	9.13	2.11	44.11	0.21	0.02	0.03	0.13	0.01	<10	150	10	<5	5	4.98	98.87
2566	36.35	1.39	8.90	1.93	43.78	0.13	0.01	0.03	0.12	0.02	<10	130	10	<5	5	5.85	98.52

Sample is fused with Lithium metaborate and dissolved in dilute HNO3.

Signed:_____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Leader Mining International Inc. PROJECT 345 File # A104362

810 - 400 - 5th Ave S.W., Calgary AB T2P 0L6 Submitted by: Craig Payne

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
2064A	36.96	1.70	7.30	30.91	.56	.14	.03	.06	.06	.10	.289	12	1619	39	<10	<10	<10	6	21.6	5.16	.07	99.92
2098A	36.94	.24	7.96	39.25	.09	.02	<.02	.02	.06	.09	.351	6	2062	<10	<10	<10	<10	4	14.6	1.92	.02	99.89
2105A	40.89	.81	7.80	45.79	.73	<.01	<.02	.02	.12	.10	.475	7	2532	14	13	<10	<10	5	2.8	.02	<.01	99.87
2114A	42.36	.42	8.73	43.26	.08	<.01	<.02	.02	.10	.13	.397	<5	2158	<10	<10	<10	<10	5	4.1	.04	.37	99.89
2138A	45.33	1.86	8.96	38.89	.14	.08	.19	.05	.07	.07	.384	25	1155	<10	<10	<10	<10	7	3.8	.02	2.69	99.97
2149A	41.17	.34	8.98	44.23	.38	<.01	.02	.02	.07	.11	.868	<5	2281	<10	<10	<10	<10	4	3.4	.31	.03	99.88
2213A	41.19	.36	9.61	43.48	.03	<.01	<.02	.02	.06	.14	.464	<5	1537	<10	<10	<10	<10	5	4.3	.08	3.91	99.87
2242A	44.36	.76	8.79	41.18	.13	<.01	<.02	.04	.08	.13	.373	8	2233	<10	11	<10	<10	8	3.7	.04	1.67	99.84
2279A	41.80	.15	9.25	45.63	.19	<.01	<.02	.01	.07	.13	.391	5	2166	<10	<10	<10	<10	4	2.0	.09	.04	99.91
2287A	44.13	1.25	8.97	40.30	1.36	.04	.03	.07	.06	.15	.390	7	1823	<10	<10	<10	<10	10	2.9	.04	.55	99.89
2308A	43.35	1.16	9.00	41.45	1.56	.07	.06	.03	.07	.14	.403	7	1860	<10	<10	<10	11	10	2.4	.07	.91	99.93
RE 2308A	43.57	1.20	9.17	40.73	1.55	.08	.05	.03	.10	.14	.412	7	1782	<10	<10	<10	14	10	2.6	.06	.92	99.86
RRE 2308A	43.39	1.20	9.09	40.95	1.58	.07	.05	.03	.07	.14	.403	8	1872	<10	<10	<10	<10	10	2.7	.06	.93	99.91
2379A	44.55	1.05	9.81	41.93	.93	.09	.06	.04	.07	.15	.370	12	1885	<10	<10	<10	<10	9	.6	.02	.65	99.90
2398A	42.35	.66	9.80	41.82	.02	<.01	<.02	.02	.06	.14	.541	<5	1921	<10	<10	<10	<10	8	4.2	.03	3.28	99.87
2421A	48.52	.26	8.97	38.78	.39	.02	.02	.01	.07	.19	.385	22	1774	<10	<10	<10	<10	6	2.0	.02	.06	99.84
2435A	60.82	18.24	5.33	2.85	5.75	3.37	1.44	.61	.14	.10	.010	486	122	405	89	17	<10	14	1.2	.03	.20	99.99
2459A	41.63	.37	9.37	41.22	1.10	.01	<.02	.01	.04	.14	.406	<5	2201	<10	<10	<10	<10	7	5.3	.11	.01	99.89
2480A	41.72	.38	9.29	41.12	1.10	.01	<.02	.01	.06	.13	.382	5	2123	<10	<10	<10	<10	8	5.4	.04	<.01	99.89
2497A	41.05	.34	9.22	42.18	2.19	<.01	<.02	.02	.07	.13	.428	6	2118	19	<10	<10	11	8	4.0	.40	.01	99.91
2516A	42.78	.67	9.01	39.62	1.42	.01	<.02	.02	.05	.12	.432	<5	2001	<10	<10	<10	<10	10	5.5	.05	.02	99.90
2539A	42.87	1.21	8.71	37.20	1.76	.09	<.02	.04	.05	.12	.384	5	1899	<10	<10	<10	<10	14	7.2	.04	.01	99.89
2550A	43.10	1.28	9.16	39.09	1.17	.08	<.02	.03	.05	.12	.378	5	2029	<10	<10	<10	12	10	5.3	.03	<.01	100.03
STANDARD SO-17/CSB	61.43	14.05	5.82	2.34	4.66	4.11	1.38	.65	.96	.53	.442	400	33	290	359	26	26	23	3.4	2.44	5.37	99.91

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: CORE R150 60C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2001 DATE REPORT MAILED: Dec 24/01 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Leader Mining International Inc. PROJECT 345 File # A104362

810 - 400 - 5th Ave S.W., Calgary AB T2P 0L6 Submitted by: Craig Payne

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	B* ppm
2064A	1	22	3	17	<.3	1004	66	740	3.56	3	<8	<2	<2	35	.2	<3	<3	20	.41	.005	<1	691	10.67	9	<.01	<3	.67	.09	.01	<2	<1
2098A	1	6	5	11	<.3	1917	105	567	4.66	110	<8	<2	<2	1	<.2	<3	<3	4	.05	.003	<1	337	17.63	1	.01	31	.10	<.01	<.01	<2	78
2105A	1	5	<3	15	<.3	2606	115	789	4.78	32	<8	<2	<2	14	.3	<3	4	6	.52	.007	<1	507	24.18	2	.01	7	.22	<.01	<.01	<2	30
2114A	1	23	<3	38	<.3	2367	110	925	4.97	9	<8	<2	<2	<1	.2	<3	4	10	.02	.003	<1	707	21.12	1	<.01	9	.14	<.01	<.01	<2	49
2138A	1	14	<3	32	<.3	2026	111	404	5.51	15	<8	<2	<2	1	.3	<3	4	18	<.01	.003	<1	635	17.19	20	.01	8	.51	.01	.15	<2	38
2149A	1	4	<3	22	<.3	2415	117	802	5.08	9	9	<2	<2	3	.5	<3	<3	6	.26	.002	<1	681	23.14	1	<.01	10	.12	<.01	<.01	<2	44
2213A	<1	34	<3	44	<.3	2660	162	1135	6.26	83	<8	<2	<2	<1	<.2	<3	<3	5	<.01	.003	<1	486	25.13	2	<.01	28	.11	<.01	<.01	<2	7
2242A	<1	32	<3	49	<.3	2524	125	1024	5.77	21	<8	<2	<2	<1	.2	<3	3	17	.02	.003	<1	826	20.79	2	.01	8	.19	<.01	<.01	<2	<1
2279A	1	3	3	34	<.3	2714	138	1041	5.91	8	<8	<2	<2	1	<.2	<3	<3	5	.13	.002	<1	349	27.15	<1	<.01	6	.08	<.01	<.01	<2	<1
2287A	1	24	<3	57	<.3	2242	122	1100	5.65	6	<8	<2	<2	5	<.2	<3	<3	14	.01	.002	<1	570	21.16	3	<.01	6	.26	<.01	<.01	<2	21
2308A	1	27	<3	53	<.3	2217	118	893	5.27	7	<8	<2	<2	1	.3	<3	<3	9	.11	.003	<1	392	20.51	5	<.01	5	.23	<.01	.04	<2	<1
RE 2308A	1	28	<3	53	<.3	2388	125	976	5.60	6	<8	<2	<2	1	.4	<3	3	10	.11	.004	<1	416	21.48	5	<.01	5	.24	<.01	.04	<2	1
RRE 2308A	1	28	<3	54	<.3	2408	126	977	5.63	10	<8	<2	<2	1	.4	<3	<3	10	.11	.003	<1	402	21.59	6	<.01	5	.23	<.01	.04	<2	<1
2379A	2	57	<3	49	<.3	2371	118	950	5.72	145	<8	<2	<2	5	.3	<3	<3	2	.03	.003	<1	110	21.38	10	<.01	19	.10	.01	.04	<2	<1
2398A	<1	26	<3	36	<.3	2181	141	945	5.77	12	<8	<2	<2	<1	.2	<3	<3	7	<.01	.003	<1	542	20.80	1	<.01	6	.15	<.01	<.01	<2	<1
2421A	1	31	<3	62	<.3	1978	99	825	4.36	13	<8	<2	<2	1	.4	<3	3	5	.01	.006	<1	281	15.39	18	<.01	4	.15	<.01	.01	<2	4
2435A	1	35	10	34	.3	130	10	541	2.69	16	<8	<2	2	63	.3	4	<3	82	.94	.072	4	37	1.12	224	.15	<3	2.17	.27	.57	3	<1
2459A	<1	14	<3	19	<.3	2089	113	946	5.35	13	<8	<2	<2	1	.4	<3	<3	16	.30	.003	<1	704	19.48	1	.01	12	.12	<.01	<.01	<2	8
2480A	<1	8	<3	24	<.3	2013	113	878	5.24	14	<8	<2	<2	1	.2	<3	<3	13	.03	.002	<1	852	19.59	1	<.01	13	.13	<.01	<.01	<2	<1
2497A	<1	13	3	19	<.3	2076	113	850	5.00	37	<8	<2	<2	15	.5	<3	<3	10	1.24	.003	<1	628	20.46	5	<.01	14	.12	<.01	<.01	<2	4
2516A	1	6	3	20	<.3	1964	108	742	4.94	5	<8	<2	<2	1	.3	<3	3	15	.12	.003	<1	890	18.65	<1	<.01	8	.19	<.01	<.01	<2	<1
2539A	<1	10	<3	26	<.3	1914	103	731	4.83	2	<8	<2	<2	1	.4	<3	<3	24	.05	.002	<1	1386	17.02	2	.01	7	.34	.01	<.01	<2	24
2550A	<1	4	<3	30	<.3	1963	111	793	5.14	5	<8	<2	<2	1	.4	<3	<3	20	.02	.004	<1	1275	18.13	1	<.01	6	.32	.01	<.01	<2	<1
STANDARD DS3/LIB-10	10	123	37	162	.3	35	12	808	3.18	32	<8	<2	4	27	5.7	4	4	78	.54	.096	17	196	.61	146	.08	4	1.75	.03	.16	3	2040

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
B* BY NA2O2 FUSION, ANALYSIS BY ICP.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2001 DATE REPORT MAILED: Dec 24/01 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

BRITISH COLUMBIA

Ministry of Energy and Mines
Energy and Minerals Division
Mineral Titles Branch

OFFICE USE ONLY
EVENT NO. 3174867

RECEIVED
$3130.- DEC 17 2001 #1
Gold Commissioner's Office
VANCOUVER, B.C.

Gold Commissioner Approval of Physical Work: _____

STATEMENT OF WORK, CASH PAYMENT, RENTAL

Mineral Tenure Act
Sections 29, 30, 31, 33 and 50

Type of Title: Mineral ☒ Placer ☐

Mining Division: New Westminster

Gerald Carlson + John Chapman

I, Craig Payne (Name)
2197 Park Crescent (Address)
Coquitlam, B.C.
V3J 6T1 (Postal Code) 604-461-4138 (Telephone)
Client Number 120907

Agent for Leader Mining International Inc.(51%) + Teuton Resources Corp. (49%) (Names of all recorded holders)
Suite 810, 400 - 5th Avenue S.W. (Address) 6737 Cariboo St. Burnaby, B.C. V6P 4S1 604-682-3651
Calgary, Alberta
T2P 0L6 (Postal Code) 403-234-7501 (Telephone)
Client Number 144064 + 12663c + 104-271 + 104-33

If recording work, complete the following and continue onto Page 3.
If paying cash in lieu of work or lease rental, turn to (and complete) Page 4.

List the titles (claim name, lease, tenure number, crown grant lot) on which the work specified below was actually done:

Cog 1 (374546); Cog 2 (374547); Cog 4 (375296); Cog 7 (389615)

Date work started Nov 15, 2001 completed Dec 13, 2001 . WORK PERMIT No. _____

TYPE OF WORK AND TOTAL VALUE FOR EACH TYPE BEING CLAIMED ON THIS STATEMENT

Physical	**Refer to Page 2 for claimable physical work types and requirements**	$	A
Technical	Prospecting	$	B
	Geological, Geochemical, Geophysical, and/or Diamond Drilling	$ 125,000.00	C
Portable Assessment Credit (PAC) Withdrawal (Box D)	either ☐ 30% of value in Box B & C only or ☐ Total PAC	$	D
from the account(s) of:			
TOTAL VALUE OF WORK (Complete Page 3)	A + B + C + D = E	$ 125,000.00	E

WORK CREDITS APPLIED TO CLAIMS

EVENT NUMBER: 3174867

I wish to apply $ 42,400.00 of the total value in Box E (from Page 1) as follows:

Claim Name (one claim per line)	Tenure Number	No. of Units*	Expiry Date	Work to be applied		Recording Fee	New Expiry Date
				Value	Years		
Andy 1	353200	1	Dec 16, 2001	800	4	40	Dec 16, 2005
Andy 2	353201	1	Dec 16, 2001	800	4	40	Dec 16, 2005
Andy 3	353202	1	Dec 16, 2001	800	4	40	Dec 16, 2005
Andy 4	353203	1	Dec 16, 2001	800	4	40	Dec 16, 2005
Andy 5	353204	1	Dec 16, 2001	800	4	40	Dec 16, 2005
Andy 6	391228	1	Dec 11, 2002	300	3	30	Dec 11, 2005
Andy 7	391229	1	Dec 11, 2002	300	3	30	Dec 11, 2005
Andy 9	391230	1	Dec 11, 2002	300	3	30	Dec 11, 2005
Sylvia 13	388834	1	Aug 1, 2002	300	3	30	Aug 1, 2005
Sylvia 15	388836	1	Aug 2, 2002	300	3	30	Aug 2, 2005
Sylvia 16	388837	1	Aug 2, 2002	300	3	30	Aug 2, 2005
Cog 5	389613	9	Aug 31, 2002	2,700	3	270	Aug 31, 2005
Cog 6	389614	15	Sep 15, 2002	4,500	3	450	Sep 15, 2005
Cog 7	389615	12	Sep 14, 2002	3,600	3	360	Sep 14, 2005
Cog 8	389616	18	Sep 15, 2002	5,400	3	540	Sep 15, 2005
Cog 1	374546	18	Oct 1, 2003	5,400	2	360	Oct 1, 2005
Cog 2	374547	15	Oct 1, 2003	4,500	2	300	Oct 1, 2005
Cog 3 375895	~~374548~~	15	Oct 1, 2003	4,500	2	300	Oct 1, 2005
Cog 4 375896	~~374549~~	15	Oct 1, 2003	4,500	2	300	Oct 1, 2005
* 2 Post, Fraction, Rev. Crown Grant and Placer Claims are one unit each.			TOTALS	$40,900.00		$3,260.00	

NOTICE TO GROUP / CAD EVENT NUMBER: CP-01-02 3174866 RECORDED Dec 17/01

Value of work to be credited to portable assessment credit (PAC) account(s).
(May only be credited from the approved value of Box C not applied to claims.)

		Name	Amount
Name of owner/operator	1.	Leader Mining International Inc.	$ $82,600.00
	2.		$

I, the undersigned Applicant, hereby confirm that the information is supplied and the credits are claimed in accordance with the requirements in the Mineral Tenure Act, the Mineral Tenure Act Regulation, and the Mineral Act Regulation. I hereby acknowledge and understand that it is an offence to knowingly provide false information under the *Mineral Tenure Act*. I acknowledge and understand that if the statements made, or information given, in this Statement of Work are found to be false and the exploration and development has not been performed, then the work reported on this Statement will be cancelled and the subject mineral or placer claim(s) may, as a result, forfeit and vest back to the Province under section 35 of the Mineral Tenure Act.

December 14, 2001
Date

Signature of Applicant

WORK CREDITS APPLIED TO CLAIMS

EVENT NUMBER: 3174867

I wish to apply $ 42,400.00 of the total value in Box E (from Page 1) as follows:

Claim Name (one claim per line)	Tenure Number	No. of Units*	Expiry Date	Work to be applied		Recording Fee	New Expiry Date
				Value	Years		
Cog 11	375290	1	Oct 1, 2003	300	2	20	Oct 1, 2005
Cog 12	375291	1	Oct 1, 2003	300	2	20	Oct 1, 2005
Cog 13	375292	1	Oct 1, 2003	300	2	20	Oct 1, 2005
Cog 14	375293	1	Oct 1, 2003	300	2	20	Oct 1, 2005
Cog 15	375294	1	Oct 1, 2003	300	2	20	Oct 1, 2005
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
						0	
* 2 Post, Fraction, Rev. Crown Grant and Placer Claims are one unit each.			TOTALS	$1,500.00		$100.00	33-0.00
			Grand Total	$42,400.00			

NOTICE TO GROUP / CAD EVENT NUMBER: CP-01-02 3174866 RECORDED Dec 17/01

Value of work to be credited to portable assessment credit (PAC) account(s).
(May only be credited from the approved value of Box C not applied to claims.)

Name of owner/operator	Name	Amount
1.		$
2.		$

I, the undersigned Applicant, hereby confirm that the information is supplied and the credits are claimed in accordance with the requirements in the Mineral Tenure Act, the Mineral Tenure Act Regulation, and the Mineral Act Regulation. I hereby acknowledge and understand that it is an offence to knowingly provide false information under the *Mineral Tenure Act*. I acknowledge and understand that if the statements made, or information given, in this Statement of Work are found to be false and the exploration and development has not been performed, then the work reported on this Statement will be cancelled and the subject mineral or placer claims(s) may, as a result, forfeit and vest back to the Province under section 35 of the Mineral Tenure Act.

December 14, 2001
Date

Signature of Applicant

Leader Mining International Inc.

Cogburn Project

Main Ultramafic Complex

PROPERTY GEOLOGY

Figure 5

Scale: 1:10,000

0 500 1000 1500

Metres

Claim Boundary

Teuton Area

Emory Zone

Daioff Area

RB 4

RB 6

Tale Ck

Road

LEGEND

TERTIARY ?

QFP — Quartz Feldspar Porphyry

MID-CRETACEOUS

SPt — Tonalite

TRIASSIC or OLDER?

Cogburn Group

$CGms_2$ — Phyllite mudstone, biotite–chlorite schist

$CGmv_2$ — Chlorite–amphibolite schist, staurolite–muscovite schist

CGmv — Chlorite–amphibole schist

$CGmv_2$ — Chlorite schist

Um — Ultramafic rock: dunite–peridotite; serpentinite, pyroxenite

Baird Pluton

Mgb — Metagabbro: hornblende–plagioclase gabbro, microgabbro

SYMBOLS

Geological Contact (approximate, assumed)

Outcrop

Fault: dip direction, inclination; thrust fault

Bedding/Layering inclined, vertical

S2 foliation inclined, vertical

S3 foliation inclined

Mineral lineation/stretching, small fold axis

Joint inclined

Quartz vein orientation

Syncline trace

Anticline trace

Float, subcrop

26807 (7)

To Accompany 2001 Summary Report on the Cogburn Property
Project No.:345 New Westminster Mining Division
Geological Mapping by Rob Macdonald January 31, 2002 v1.1

Cascade Geological Consultants Ltd.

Leader Mining International Inc.

COGBURN PROJECT
Main Ultramafic

2001 RECONNAISSANCE DRILLING PROGRAM
DRILL HOLE LOCATION PLAN MAP

Figure 11

FIGURE 11

Scale: 1:10,000

0 500 1000 1500
Metres

Talc Ck

Road

Claim Boundary

Section 14503 NW

CR 01-01

CR 01-02

CR 01-03

RB 6

RB 4

Teuton

Area

Section 13117 NW

CR 01-04

CR 01-05

CR 01-06

?

Emory Zone

Section 10497 NW

Section 10337 NW

Section 10000 NW

Section 9826 NW

Section 9652 NW

Section 9353 NW

CR 01-22

CR 01-23

CR 01-07

CR 01-08

CR 01-26

CR 01-09

CR 01-25

CR 01-10

CR 01-11

CR 01-24

CR 01-12

CR 01-13

CR 01-14

CR 01-15

CR 01-16

CR 01-17

Section 8026 NW

Section 7673 NW

CR 01—18

CR 01-19

CR 01-20

Dayoff Area

CR 01-21

Claim Boundary

SYMBOLS

CR 01-09 — Drill hole with core recovery

CR 01-16 — Drill hole stopped in overburden

CR 01-05 — Drill hole not drilled

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,307

(8)

To Accompany 2001 Summary Report on the Cogburn Project
Project No.: 345 New Westminster Mining Division

Cross Geological Consultants Ltd.