Rimfire Minerals Corporation

1997 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE RDN 1-10 CLAIMS

Volume I - Text

Located in the Eskay Creek Area
Liard Mining Division
NTS 104B/15E, 104G/2E
57° 00 North Latitude
130° 39' West Longitude

-prepared for-

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December, 1997

1997 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE RDN 1-10 CLAIMS

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

SUMMARY

The RDN 1-18 claims, consisting of 257 units, covers approximately 6,425 hectares of mountainous terrain in northwestern British Columbia, 120 kilometres northwest of Stewart. Access to the property is by helicopter from the Bob Quinn airstrip, which lies 20 kilometres to the east on the Stewart-Cassiar Highway. A one-third interest in the claims is owned by Rimfire Minerals Corporation, which has acquired an option to acquire the remaining two-thirds.

The RDN 1-4 claims were staked in 1987 to cover a prominent gossan. From 1989 to 1992, Noranda, Adrian and Skeena carried out extensive geochemical and geophysical surveys over altered felsic volcanics on the RDN and adjacent claims, focused on narrow gold-rich veins. No work was recorded by them after 1992 and lapsed claims have been restaked as the RDN 5-10 and 13-18 claims. Mapping, sampling and prospecting programs carried out by Pathfinder Resources from 1994 through 1996 supported the RDN's potential for Eskay Creek-style mineralization. In August 1997, Rimfire carried out further grid-based soil sampling, geological mapping and prospecting over the RDN 1-10 claims.

The RDN property is largely underlain by Jurassic Hazelton Group stratigraphy similar in age, lithology, alteration and mineralization to that hosting the Eskay Creek precious metal-rich volcanogenic massive sulphide (VMS) deposit 40 kilometres to the south-southeast. Like Eskay Creek, subvolcanic felsic porphyries intrude a felsic package which is overlain by, and interbedded with, fine-grained marine clastics and tholeiitic mafic volcanics. The felsic intrusives and extrusives are extensively altered, pyritized and geochemically anomalous in lead, zinc, arsenic and antimony.

At the Marcasite Gossan, an altered peperitic dacite has been cut by an irregular stockwork of marcasite+pyrite+chalcedony±pyrobitumen±barite over an area of at least 50 x 200 metres. Chalcedony, pyrobitumen and altered dacite clasts are present in onlapping, belemnite-bearing, calcareous sediments similar to those intruded by the dacite, indicating that dacite emplacement, alteration, veining and erosion all occurred over a short time span at the sea floor. At the Upper Marcasite Gossan, weaker quartz±chalcedony±pyrite±pyrobitumen stockwork continues into the overlying felsic package, accompanied by up to 208 g/tonne Ag and elevated base metals. No exhalative mineralization has yet been recognized, but the upper Marcasite Gossan appears to be overlain by a recessive carbonaceous argillite which would form an excellent host for Eskay Creek-style mineralization.

A 100 x 450 metre Au+As±Ag±Pb soil geochemical anomaly (the "Jungle" anomaly) lies in a thickly-vegetated area likely underlain by a package of fine marine clastics and andesitic volcanics between Gossan and Downpour Creeks. It remains open to the northeast along its long axis, where Downpour Creek swings to follow its trend. A cobble of pyritic argillite with quartz stockwork was sampled near the heart of the Jungle anomaly, assaying 25.44 g/tonne Au. The anomaly could be due to similar, structurally-controlled stockwork, but the geological setting is also permissive for Eskay-style VMS mineralization.

The Main Zone, on the RDN 9-10 claims, is an intensely silicified fault breccia which assayed 3.1 g/tonne Au across a true width of 8.3 metres. It appears to fill a west-southwesterly trending dilatant zone between two splays of the Forrest Kerr Fault, and is accompanied by strong Au+Ag+Pb+Zn+Cu soil geochemistry. A chip sample from the Baseline Showing, discovered this year 240 metres to the southwest of the Main Zone in a parallel Au+Pb+Zn+Ag soil geochemical anomaly, assayed 6.21 g/tonne Au across 1.1 metres from a similar vein breccia. The west-southwesterly trending cross-structures appear to have a maximum potential strike length of 260 metres between their bounding faults, but mineralization could form shoots of considerable width and vertical extent along the intersections of the faults and cross-structures, where the widest and best mineralization to date has been found.

1.0 INTRODUCTION

The RDN 1-4 mineral claims were staked in October 1987 over a prominent gossan in the Iskut River area of northwestern British Columbia (Figure 1), prior to the discovery of the gold-rich Eskay Creek volcanogenic massive sulphide (VMS) deposit forty kilometres to the south-southeast. Noranda Exploration Company carried out work on the RDN claims and their adjoining GOZ claims from 1989 to 1991, focusing on gold-rich veins. Pathfinder Resources Ltd. acquired the RDN property in 1994, expanded the claim package and carried out limited exploration programs from 1994 to 1996, directed at its potential for hosting Eskay-style mineralization.

In August 1997, Rimfire Minerals Corporation conducted a program of geological mapping, prospecting and grid-based soil sampling over the RDN 1-10 claims. Equity Engineering Ltd. executed the fieldwork and has been retained to report on its results.

2.0 LIST OF CLAIMS

The RDN property (Figure 2) consists of sixteen mineral claims totalling 257 units in the Liard Mining Division of British Columbia, as summarized in Table 2.0.1. Records of the British Columbia Minerals Branch indicate that the RDN 1-10 claims are owned by Neil DeBock and the RDN 13-18 claims are owned by H. Awmack. Separate documents indicate that Rimfire Minerals Corporation owns 1/3 interest outright and has been granted an option to acquire the remaining 2/3 interest in the RDN 1-18 claims from Neil DeBock and Rockie Saliken, subject to certain terms and conditions.

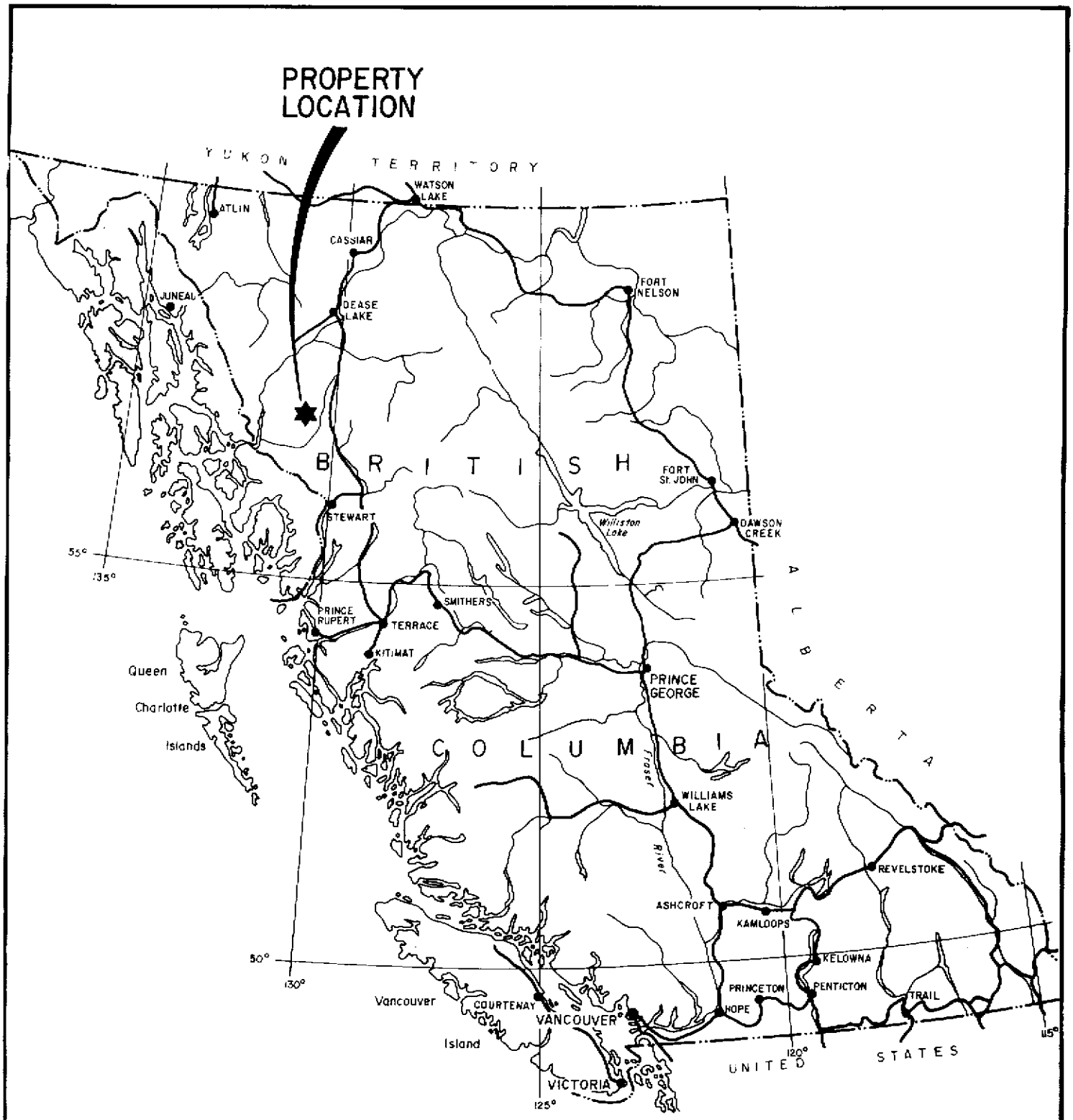
Table 2.0.1
CLAIM DATA

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
RDN 1	222843	10	Nov. 9, 1987	2006*
RDN 2	222844	10	Nov. 9, 1987	2006*
RDN 3	222845	10	Nov. 9, 1987	2006*
RDN 4	222846	10	Nov. 9, 1987	2006*
RDN 5	325559	12	May 24, 1994	2005*
RDN 6	325560	15	May 24, 1994	2005*
RDN 7	324660	20	March 21, 1995	2005*
RDN 8	324661	20	March 21, 1995	2003
RDN 9	324662	8	March 22, 1995	2006*
RDN 10	324663	20	March 22, 1995	2004*
RDN 13	359823	12	October 6, 1997	1998
RDN 14	359824	20	October 9, 1997	1998
RDN 15	359825	15	October 9, 1997	1998
RDN 16	359826	20	October 9, 1997	1998
RDN 17	359827	15	October 9, 1997	1998
RDN 18	359828	20	October 8, 1997	1998
		257		

* Subject to approval of assessment work covered by this report

The RDN 1-4 legal corner post was located in the field by the author; the RDN 5-10 and RDN 13-18 legal corner posts were located by Equity Engineering Ltd. field personnel. The RDN claims pre-date all adjoining claims except for the Upper More 2 claim (overlapped by RDN 15) and the Forgold 1 claim (overlapped by RDN 13). The RDN 10 claim is reduced slightly by its overlap with the lapsed GOZ 1 claim, whose LCP was located in the field by the author.

Lower elevations in the More Creek valley, including the RDN 9-10 and RDN 14-18 claims, are covered by two staking reserves. Collectively, Order-in-Council 1589 (1972) and Order-in-Council 440 (1983) state that ground below 580 metres elevation is subject to flooding for hydroelectric development. Mineral exploration and development may be carried out in these staking reserves, but no compensation will be payable in the event of flooding.



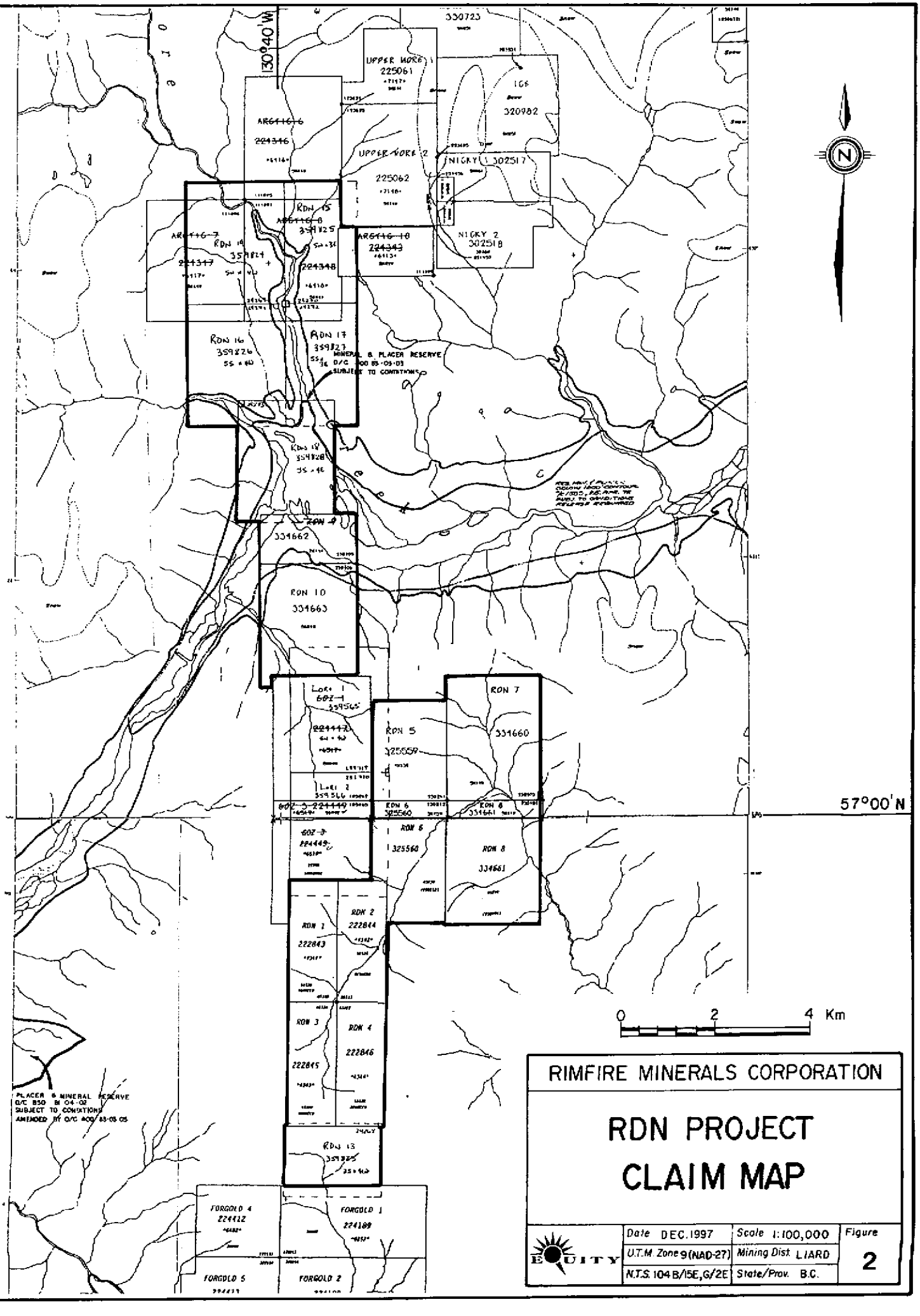
Km 0 100 200 300 400 500 Km

MILES 0 50 100 200 300 MILES

RIMFIRE MINERALS CORPORATION

RDN PROJECT
LOCATION MAP

EQUITY	Date Dec. 1997	Scale As shown	Figure 1
	U.T.M. Zone 9	Mining Dist. LIARD	
	N.T.S. 104B/15E, G/2E	State/Prov B.C.	



RIMFIRE MINERALS CORPORATION

RDN PROJECT
CLAIM MAP

EQUITY	Date DEC. 1997	Scale 1:100,000	Figure 2
	U.T.M. Zone 9 (NAD-27)	Mining Dist. LIARD	
	N.T.S. 104 B/15E, G/2E	State/Prov. B.C.	

3.0 LOCATION, ACCESS AND GEOGRAPHY

The RDN mineral claims lie along Downpour, Nelson and More Creeks in the Coast Range Mountains, approximately 120 kilometres northwest of Stewart, British Columbia and 120 kilometres east of Wrangell, Alaska (Figure 1). The property lies within the Liard Mining Division, centred at 57° 00' north latitude and 130° 39' west longitude.

Access to the property is by helicopter from Bob Quinn airstrip, twenty kilometres to the east, which lies on the Stewart-Cassiar highway. Bob Quinn airstrip is suitable for fixed-wing aircraft of any size. The Eskay Creek access road passes within fifteen kilometres to the southeast of the RDN property.

The RDN 1-8 claims cover the headwaters of Downpour Creek, which flows eastward into the Iskut River opposite Bob Quinn. The RDN 13 claim lies immediately to the south of these, across a divide into the headwaters of Nelson Creek, which flows south into Forrest Kerr Creek. The RDN 9-10 claims extend north from a point one kilometre northwest of the RDN 5 claim, covering a ridge which drops down to the broad flood plain of More Creek. The RDN 14-18 claims continue north from there, straddling the north fork of More Creek. Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 490 metres on More Creek and 930 metres on Downpour Creek to over 2000 metres on an unnamed peak on the RDN 4 claim. Alluvium, till and outwash fill the bottom of the Downpour and More valleys. In particular, outcrop is sparse in the broad moraine-covered floor at the upper end of Downpour Creek, limited to creek and gully exposures.

Much of the property lies above treeline, covered by open alpine vegetation. Tag alder and alpine fir are common below treeline, which averages 1400 metres in elevation. Most of the RDN 9-10 and 14-18 claims along More Creek are covered by mature spruce and hemlock, with open patches of tag alder and devil's club. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 centimetres and several metres of snow commonly fall at higher elevations. The property can be worked from the middle of June until mid-September.

4.0 PROPERTY EXPLORATION HISTORY

4.1 Previous Work

The RDN 1-4 claims were staked in November 1987 to cover a small but intense gossan on which no work had previously been reported. At the time, the Iskut River district was undergoing exploration for gold-bearing quartz-sulphide veins similar to those which were later developed into the Skyline and Snip mines. The following September, Neil DeBock carried out three days of prospecting on the claims, taking ten silt samples and 27 rock samples. Two rock samples from the Marcasite Gossan exceeded 50 g/tonne silver, with the best assaying 207.6 g/tonne silver (DeBock, 1989).

Noranda Exploration Company staked their GOZ claims immediately north of the RDN property in October 1989 and optioned the RDN 1-4 claims. That year, Noranda collected two heavy mineral concentrates, 13 silt samples, 10 talus fine samples and 23 rock samples from the RDN 1-4 claims. Gold and silver values were generally low in rock and talus fine samples, but rock samples from two gossans contained anomalous arsenic and antimony, with up to 1196 ppm Sb and 831 ppm As. A heavy mineral concentrate from Downpour Creek returned 2410 ppb gold and a silt sample taken upstream from one of its tributaries contained 164 ppb gold (Savell, 1990a).

In 1990, Noranda and High Frontier Resources Ltd. carried out a joint exploration program over the RDN and GOZ claims, taking 32 heavy mineral concentrates, 91 silt samples, 1384 soil samples and 464 reconnaissance rock samples (Savell, 1990b). They laid out sixty kilometres of grid over the gossanous felsic volcanics, with a baseline oriented at 010° and crosslines every 100 metres, and carried out 20 line-kilometres of ground magnetic and 14.9 line-kilometres of HLEM and VLF-EM surveys, detailing anomalies reported from an airborne magnetic and electromagnetic survey (Savell, 1991). Prospecting resulted in the discovery of several gold-bearing showings, mainly consisting of quartz-sulphide veins within felsic tuffs on the GOZ claims. Fifteen holes totalling 1546 metres of BGM core were drilled on the GOZ claims. With two exceptions, all holes were drilled on the GOZ 1 and 3 claims within the felsic tuffs and subvolcanic intrusives. Holes RG90-12 and -13, the two exceptions, were targeted at anomalous gold soil geochemistry (the Jungle anomaly) in the overlying marine sediments on the present RDN 6 claim but both were abandoned in overburden (Savell, 1990b).

In 1991, Noranda and High Frontier continued exploration on the RDN and GOZ properties (Savell and Grill, 1991). A new grid was established, almost entirely within the felsic tuffs and subvolcanic porphyries, which straddled the northern boundary of the RDN 2 claim. Its baseline was oriented at 155°; five crosslines were run at 065° from it, spaced 200 metres apart. All lines were surveyed with HLEM and two were surveyed with induced polarization techniques. Fifteen holes, totalling 2087 metres of BTW core, were drilled on the GOZ and RDN properties. Of this, 345.3 metres were drilled in three holes from two sites on the RDN 2 claim. Two of these holes, RG91-26 and -27, were drilled within sediments and diorite, but failed to reach the felsic/sediment contact. The third hole, RG91-19, was drilled entirely within altered, pyritic feldspar porphyry, with no significant assays. A fourth hole, RG91-18, was collared on the western boundary of the current RDN 6 claim and intersected 9.9 metres grading 0.43% Zn, 0.18% Cu and 0.14% Pb within the subvolcanic porphyry.

Also in 1991, Noranda and High Frontier laid out 10.4 kilometres of east-west lines at 200 metre intervals from a north-south baseline on their South Boundary Zone (re-staked in October 1997 as the RDN 13 claim). They carried out geological mapping, collected soil samples at 25 metre intervals and drilled five holes on "narrow mineralized fractures and veins" (Savell, 1992). Results of the drilling are not available, although Logan et al (1992) report an 11.6 metre intersection grading 23.9 g/tonne Au. Following the 1991 program, Noranda terminated their option on the RDN claims and allowed their GOZ claims to lapse. Their GOZ 2, 4, 6 and 7 claims were partially re-staked as the RDN 5-8 claims in May 1994 and March 1995.

In September 1989, Skeena Resources Ltd. staked a large claim package (the Arctic claims) up the north fork of More Creek to cover an area thought to be underlain by Hazelton Group stratigraphy similar to that hosting the Eskay Creek deposit. In 1990, Skeena carried out reconnaissance silt sampling and mapping/prospecting traverses, identifying felsite and orbicular rhyolite with local flow banding over several kilometres along both sides of More Creek (Bobyn, 1990). Their Downstream Showing, consisting of "narrow chalcedonic quartz veins...[which]...host massive pyrite stringers up to 5 cm in width" within pyritic felsite/rhyolite, returned grab samples with up to 75,000 ppb Hg, 580 ppm Sb and 4860 ppm As (Bobyn, 1991). Skeena's claims were allowed to lapse and the RDN 14-18 claims were staked in October 1997 to cover the Downstream Showing and the remainder of the felsic package along More Creek.

In March 1990, Adrian Resources Ltd. and Skeena each staked claims between Noranda's GOZ and Skeena's Arctic claim groups, and contested ownership. Exploration work was done by each group that summer. Adrian carried out reconnaissance mapping and took 14 silt samples, 3 soil samples and 37 rock samples (Dunn, 1990). Noranda optioned Skeena's More claims, established twenty kilometres of grid and collected 404 soils, 35 rocks, 20 silts and 2 heavy mineral samples. The grid was oriented north-south, with east-west cross-lines every 200 metres. They also surveyed 13.1 line-kilometres of ground magnetics and 4.5 line-kilometres of ground electromagnetics in 1990 (Savell and Wong, 1991). The following year, Noranda carried out two test lines of IP and analyzed 27 rocks, 59 soils and 12 silts from the More claims. Results are not available from this program.

In 1991, Adrian optioned the More claims from Skeena and Noranda and carried out detailed geological mapping. Infill lines at 100 metre spacings were added to Noranda's grid, and a further 279 soils, 109 rocks and 22 basal till samples were taken from the grid area. The soil geochemistry showed a 200 x 700 metre, northerly-trending, Pb+Zn$\pm$Au$\pm$As$\pm$Ag+Cu anomaly with peak values of 460 ppb Au, 620 ppm Pb, 1200 ppm Zn and 352 ppm Cu, in an area underlain by felsic volcanics. Two mineralized zones were reported from within silicified and carbonate-altered felsic volcanics. The Main Zone had grab samples grading up to 4.6 g/tonne Au, 2500 ppm Cu, 1400 ppm Pb and 10.6% Zn. The Gem Zone, located 1,000 metres to the south in a separate soil geochemical anomaly, returned values up to 2.2 g/tonne Au, 18 ppm Ag, 2400 ppm Cu, 1100 ppm Pb and 1400 ppm Zn (Campbell et al, 1991). Blast trenching was apparently carried out by Adrian the following year, but was never recorded and no results are available. The More 5 and 6 claims lapsed on March 21, 1995 and were restaked the following day as the RDN 9 and 10 claims.

Pathfinder Resources Ltd. optioned the RDN property in 1994 and carried out a reconnaissance exploration program on the RDN 1-6 claims, designed to evaluate their potential to host Eskay Creek-style stratabound gold-silver-lead-zinc mineralization. In particular, geological mapping and prospecting were focused along six kilometres of felsic/sediment contact, with a total of 67 rock samples (including 24 whole rock samples), 6 silt samples and 3 soil samples collected during sixteen man-days. Six thin sections described from subvolcanic porphyry intrusives and variably altered felsic lapilli tuff revealed intense potassic alteration. No massive sulphide mineralization was discovered, but altered felsics beneath the Marcasite Gossan felsic/sediment contact assayed up to 141 g/tonne silver. Felsic float

four kilometres to the north assayed 11.6 g/tonne gold with anomalous silver, lead, zinc, copper, arsenic, antimony, mercury and bismuth (Awmack, 1995a).

In 1995, Pathfinder performed a grid-based soil geochemical survey over the RDN 1-8 claims, designed to cover known or suspected portions of the felsic/sediment contact. A total of 574 soil samples were taken at 25 metre intervals from short crosslines run 100 metres apart from a cut north-south baseline (the "Downpour Grid"). Eight rock samples were taken during the course of the geochemical survey. Soil geochemical results were spotty, with several isolated anomalous soil samples (Awmack, 1995b).

The following year, Pathfinder carried out 12 days of geological mapping, prospecting, soil sampling and geophysical surveying over the RDN 1-10 claims, taking a total of 110 rock geochemical samples, 44 whole rock samples and two silt samples. Five thin±polished sections were petrographically described. An additional 404 soil samples were taken from the Downpour Grid, revealing a 150 x 300 metre Au+As geochemical anomaly (the "Jungle" anomaly) north of the mouth of Gossan Creek. A magnetic/VLF-EM survey was run over the southern half of the Downpour Grid, showing a VLF conductor along the felsic/mafic contact above the Marcasite Gossan. On the RDN 9-10 claims, 44 soil samples were taken from two infill lines on the More Grid, run west from the 1990 Noranda baseline, corroborating their reported soil geochemical anomaly. Previously blasted exposures of the Main Zone breccia vein were chip sampled, assaying 3.1 g/tonne Au, 0.49% Pb and 1.13% Zn across a true width of 8.3 metres (Awmack, 1996).

4.2 1997 Exploration Program

In August 1997, Rimfire Minerals Corporation carried out 87 man-days of geological mapping, prospecting and soil sampling over the RDN 1-10 claims. The program was executed by a six-man fly camp at the mouth of Gossan Creek on the Downpour Grid and a three-man camp near the mouth of Carcass Creek on the RDN 10 claim. A magnetic declination of 25° 16'E was used for all compass measurements. All maps are referenced to the North American Datum of 1927 (NAD-27).

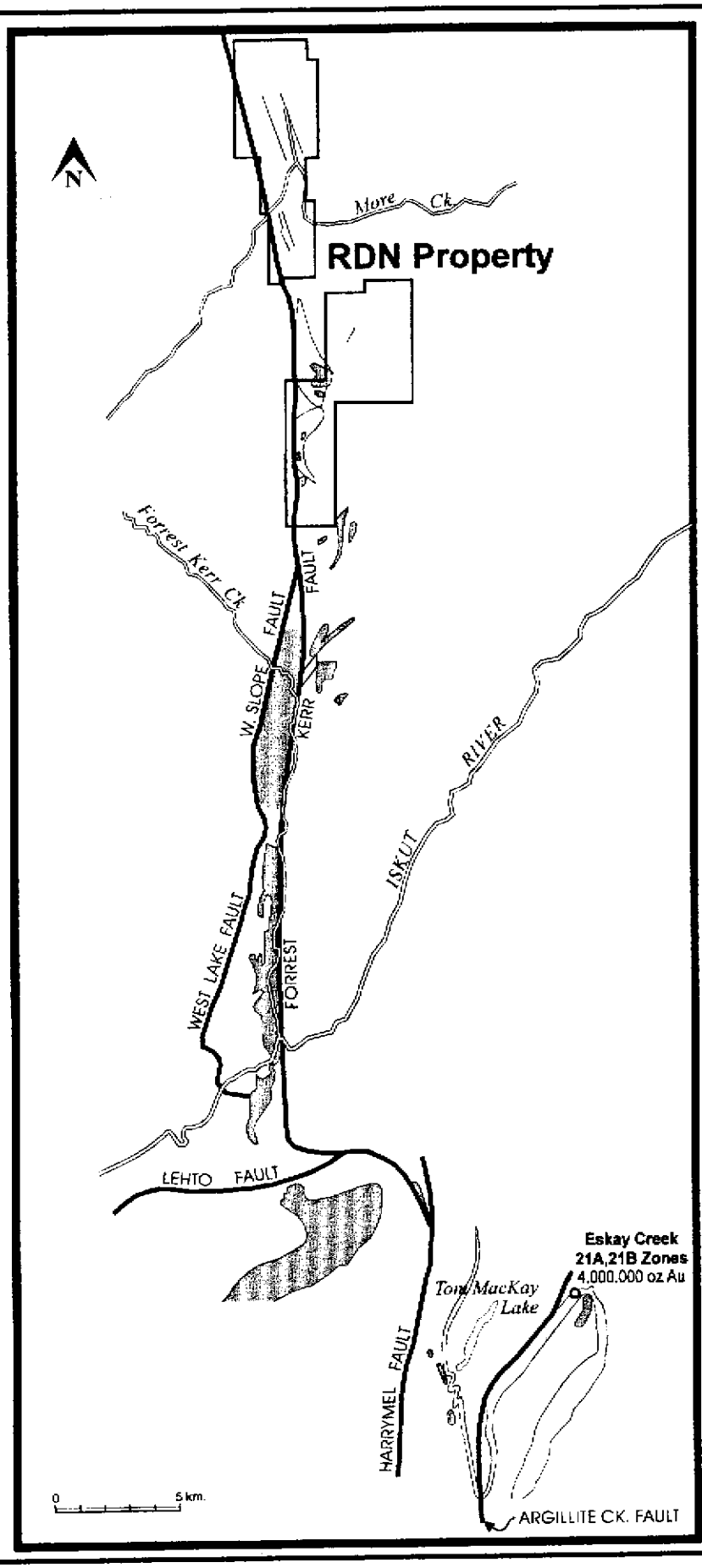
An additional 7.7 kilometres of hipchain/compass crosslines were run on the Downpour Grid perpendicular to the existing baseline (oriented at an azimuth of 358.5° so that lines would be parallel to the NAD-27 UTM grid). These were done in the vicinity of the Jungle Au+As soil geochemical anomaly centred on 7100N 1550E, with infill lines on 50-metre centres west of Downpour Creek and reconnaissance lines at 100 metre intervals to the east. A new grid was laid out over the Au+Pb+Zn soil geochemical anomaly on the More Grid, with a cut and picketed baseline ("Line 2000N") trending 070°. Perpendicular crosslines, spaced 50 metres apart, were run from 1650N down to the edge of the More Creek flood plain. All crosslines were run with hipchain and compass, slope-corrected with clinometer, and marked with pink flagging. Stations at 25-metre intervals were indicated by blue and pink flagging and a Tyvek tag. A total of 648 soil samples were collected, 353 from the Downpour Grid and 295 from the More Grid. Wherever possible, soil samples were taken from the red-brown "B" horizon.

Geological mapping and prospecting was carried out at a scale of 1:2,500 over portions of the More and Downpour Grids, with emphasis on the Marcasite Gossan, Cole Creek, the Jungle soil anomaly and the More Grid Au+Pb+Zn soil anomaly. A total of 156 rock geochemical samples were taken (31 from the More Grid and 125 from the Downpour Grid) during the course of geological mapping and prospecting. Rock descriptions are attached in Appendix C. All rock and soil samples were analyzed by Chemex Labs Ltd. of North Vancouver for gold, mercury and 32-element ICP using an aqua regia digestion. In addition, whole rock analysis was done by Chemex on four rock samples and barium assays were done on two with visible barite or suspected barium mica. Analytical certificates form Appendix E. Three thin±polished sections were described by Dr. Geoff Harris to identify lithologies and styles of mineralization (Appendix D).

5.0 REGIONAL GEOLOGY

The area around the RDN claims is underlain by mid-Paleozoic and Mesozoic island arc successions which are overlapped to the east by clastic sediments of the Bowser Basin. Regional mapping has been carried out at a scale of 1:50,000 by Logan et al (1990a,b; 1992) of the BCGS and by Read et al (1989) of the GSC.

The Paleozoic Stikine Assemblage in the vicinity of the RDN claims comprises foliated mafic to intermediate metavolcanics, fine clastic metasediments and massive Permian limestone.



Hazelton Group felsic volcanics

Lower Jurassic intrusive porphyries

RIMFIRE MINERALS CORPORATION

RDN PROJECT

REGIONAL GEOLOGY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN:	H.A. / g.e.l.	MINING DIV.:	Liard	FIGURE 3
N.T.S.:	104B/15E, G2/E	SCALE	as shown	
DATE:	Dec. 1997	REVISED		

The Stikine Assemblage is unconformably overlain by island arc volcanics and sediments of the Upper Triassic Stuhini Group. At the base of the Stuhini Group is a thick package of fine-grained volcaniclastics and sediments, dominated by volcanic wackes, arenites and interbedded siltstone and argillite. These units interfinger with overlying massive green tuff. East of Downpour Creek, a few thousand metres of green and minor maroon plagioclase-phyric breccia and flows interfinger with, and overlie, the green tuff.

The Early to Middle Jurassic Hazelton Group unconformably overlies the Stuhini Group, comprising five regional units (Roth et al, 1997). The lowest unit consists of fossiliferous conglomerate to sandstone with Upper Hettangian to Lower Sinemurian ammonites. The coarse clastics are overlain generally by a sequence of andesitic to dacitic flows, sills and volcaniclastic rocks with associated tuffs, greywackes and conglomerates. This unit, which includes the previously defined Betty Creek Formation (Anderson, 1993) is characterized by extensive variations in thickness and facies; Macdonald et al (1996) report a U-Pb date of 193 Ma for one of its flows. The intermediate volcanic and volcaniclastic strata are locally overlain by felsic calc-alkaline volcanic flows, tuffs and breccias with Upper Pliensbachian fossils and an age range of 194-185 Ma. A sedimentary unit occurs above the intermediate and felsic volcanic rocks, varying from limestone to sandstone, and is locally tuffaceous or conglomeratic; fossils range from Upper Pliensbachian to Aalenian.

The uppermost unit in the Hazelton Group is dominantly a bimodal tholeiitic volcanic assemblage with lesser tuffaceous, calcareous and argillaceous rocks, thought to represent intra-arc rifting (Roth et al, 1997). At Eskay Creek, this unit consists of felsic volcanics overlain by a basaltic volcanic-sedimentary package, but regionally these stratigraphic relations are more complex and locally reversed. Fossils constrain this unit between Late Aalenian and Early Bajocian; U-Pb dates on rhyolites indicate a range of 181-172 Ma.

In the vicinity of the RDN property, the upper two units can be divided into three members: a lower fine clastic member, a middle submarine basalt member and an upper tuff/wacke member with conglomerate interbeds. On the RDN 5 and 6 claims, Logan et al (1990a,b) mapped "at least 1000 metres of interbedded shale and siltstone...the shales are fissile; siltstones and thin sandstone beds contain abundant carbonaceous wood fragments...Fossils from interbedded limestone horizons located north of the map area indicate an Early Jurassic (late Toarcian) age". These are interbedded with pillow and flow breccia tholeiitic basalts up to 400 metres thick and their associated dioritic to gabbroic feeder sills and dykes. Siliceous siltstones, pyritic cherts, conglomerates and tuffs overlie and interfinger with the pillow basalts.

Middle to Upper Jurassic Bowser Lake Group marine and terrestrial mudstones, sandstones and conglomerates conformably overlie the Hazelton Group. These basinal clastics lack volcanic components and contain clasts of rock types from adjacent terranes, indicating a change in the local and regional tectonic setting (Roth et al, 1997).

Read et al (1989) mapped several small feldspar±quartz porphyry plugs and dykes near the Forrest Kerr Fault (Figure 3). Souther (1972) had previously assigned these plugs a Late Cretaceous to Early Tertiary age, but Read noted cobbles of this unit in basal conglomerates of the Middle to Upper Jurassic Bowser Lake Group. He postulated the felsic plugs and dykes to be subvolcanic feeders to the Early to Middle Jurassic Hazelton Group felsic volcanics.

The first phase of structural deformation in the area is marked by widespread phyllite and foliated greenstone in Lower Permian and older rocks, unaccompanied by macroscopic folding (Read et al, 1989). A second, post-Jurassic, phase of folding produced northerly-trending upright folds. Bowser Lake Group rocks are affected by a third phase of deformation, with folding about northwesterly trending axial planes. Fault trends are complex, with a northerly trending set and an anastomosing east-northeast set. The subvertical Forrest Kerr Fault, which passes through the RDN claims, is a major northerly-trending fault which can be traced for more than 40 kilometres. Read et al (1989) estimate a left-lateral horizontal displacement of 2.5 kilometres and a minimum vertical displacement of 2 kilometres (east side down) for it. Britton et al (1989) suggest that to the south, the Forrest Kerr Fault steps eastward and continues south for another 20 kilometres as the Harrymel Creek Fault. This fault, which truncates Hazelton Group stratigraphy immediately west of the Eskay Creek deposit, is "a zone of recent faulting that may represent a long-lived crustal break" (Britton et al, 1990). This "crustal break" may have localized Jurassic felsic volcanic centres such as Eskay Creek and RDN (Figure 3).

5.1 Eskay Creek Deposit

The Eskay Creek deposit is a gold- and silver-rich volcanogenic massive sulphide (VMS) deposit which occurs near the base of the Salmon River Formation, approximately forty kilometres south of the RDN property (Figure 3). Bartsch (1993b) believes the deposit to have formed within a marine sub-basin during the waning stages of rhyolitic volcanism near the top of the Hazelton Group. Reserves and production for the 21B Zone are 1.44 million tonnes grading 60.4 g/tonne gold, 2834 g/tonne silver and approximately 9% Zn+Pb+Cu (1997 Prime Annual Report).

At Eskay Creek, the Hazelton Group comprises, from base to top, andesite, marine sedimentary rocks, intermediate to felsic volcaniclastic rocks (collectively, the "Lower Footwall Unit"), rhyolite flow domes ("Eskay Rhyolite"), carbonaceous shale ("Contact Mudstone") and basalt (Roth et al, 1997). The base of the Lower Footwall Unit consists of coarse monolithic andesite breccia and heterolithic volcaniclastic rocks (previously referred to as "Betty Creek Formation") overlain by marine shales and interbedded coarse clastic sedimentary, volcaniclastic and calcareous rocks. These shales contain Late Pliensbachian bivalves and ammonites. These are overlain by a sequence of volcaniclastic rocks (the "Footwall Volcanics") whose compositions vary from dacite to basalt; they were previously referred to as the "Footwall Dacite". The Footwall Volcanics comprise pumice-rich block and lapilli tuffs and heterolithic epiclastics which locally contain abundant ammonites, brachiopods, molluscs, belemnites and possible wood fragments. These are capped by a thin (<3m thick) black mudstone horizon (Roth et al, 1997). An altered feldspar porphyry sill or stock (the "Eskay Porphyry"), chemically equivalent to the Footwall Volcanics (Bartsch, 1993b) and thought to be comagmatic to them, is exposed in the core of the Eskay anticline, with local potassium feldspar megacrysts up to 1.2 centimetres long. Childe (1996) reports a U-Pb zircon age of 184+5/-1 Ma for the Eskay Porphyry, predating the Eskay Rhyolite and 21 Zone mineralization by 5-10 million years.

The Footwall Volcanics are overlain by three low-titanium rhyolitic flow dome complexes emplaced along a five-kilometre long belt ("Eskay Rhyolite"). The flow dome complexes are thought to have formed from pyroclastic eruptions, followed by extrusion of viscous lavas, which are massive or flow-banded near the core and autobrecciated outwards. The rhyolites are peperitic, with a "black matrix breccia" forming a thin (<10 metres) carapace to the flow domes at their contact with overlying siltstone and basalt. At the base of the black matrix breccia, angular rhyolite clasts form a mosaic separated by black chert. Up-section, the matrix becomes siltier and rounded clasts with chilled margins are present. Narrow "black matrix breccia" zones locally cut flow-banded rhyolite below the black matrix carapace (Bartsch, 1993b). Aphanitic felsic sills, chemically indistinguishable from the Eskay Rhyolite, crosscut stratigraphy and reach their highest level directly beneath the 21A and 21B Zone deposits (Rye et al, 1993). These felsites are pervasively altered to a quartz-sericite-potassium feldspar-chlorite-pyrite assemblage and form conspicuous gossanous ridges.

Submarine massive and pillowed basalt flows ("Hanging Wall Basalt"), thought to be vent-proximal, directly overlie the rhyolitic flow domes, or are separated by <1 metre black chert or 2-10 metre thick argillite beds. Bartsch (1993b) proposes a "21 Zone Sub-basin", bounded by syndepositional faults and filled by up to 20 metres of carbonaceous shale, finely laminated siltstone, minor lithic wacke and calcareous mudstone. The 21 Zone Sub-basin lies above the 21 Zone felsic dome and hosts the 21A and 21B Zone stratiform orebodies. The Hanging Wall Basalt exceeds 150 metres in thickness, contains thin intercalated argillite beds, and is overlain by a thick sequence of thin-bedded siltstone, shale and fine sandstone.

The bulk of economic mineralization at Eskay Creek is hosted within the 21 Zone Sub-basin as stratiform, synsedimentary, fragmental-hosted semi-massive ore and as clastic sediments formed from sulphide-sulphosalt detritus. Mineralogy within the 21B Zone consists of sphalerite, tetrahedrite, boulangerite and bournonite with lesser pyrite and galena; the 21A Zone consists of stibnite, realgar, arsenopyrite and cinnabar, accompanied by pyrobitumen. The immediate footwall to each zone is intensely fractured, altered to a chlorite-potassic feldspar-sericite assemblage and contains both vein and disseminated mineralization. Portions of the immediate footwall are included in the ore reserves.

6.0 PROPERTY GEOLOGY

In 1997, geological mapping was carried out at 1:2,500 scale on portions of the Downpour (Figures 5a-b) and More (Figure 6) grids. Property-scale maps at 1:10,000 scale (Figures 4a and 4b) have been compiled from the 1:2,500 scale maps and previous mapping by Savell and Grill (1991), Campbell et al (1991), Savell and Wong (1991) and Awmack (1995a, 1996).

6.1 Stratigraphy and Structure

The RDN property is divided by the Forrest Kerr Fault, a northerly-trending, steeply-dipping normal fault of regional extent. The western edge of the property is underlain by Paleozoic metamorphic rocks of the Stikine Assemblage which strike north-south and dip moderately to steeply to the west. A metavolcanic package (**Unit 2**) comprises foliated grey-green plagioclase porphyry and phyllitic to schistose, tuffaceous siltstone and wacke. It alternates with a metasediment package (**Unit 3**) of black, phyllitic shale, siltstone and chert. Both are intruded by a foliated hornblende quartz diorite (**Unit 1**).

Mesozoic rocks of the Stuhini and Hazelton Groups lie east of the Forrest Kerr Fault. Grey-green andesitic tuff and tuff-breccia of the Upper Triassic Stuhini Group (**Unit 4**) outcrop at higher elevations on the southwestern portions of the RDN 8 claim (Figure 4a). Contacts were not observed, but are presumed to be faulted. The Hazelton Group can be divided into four stratigraphic packages on the RDN property: Betty Creek andesitic volcanics (**Unit 6**), felsic volcanics (**Unit 7**), marine sediments (**Unit 9**) and intermediate/mafic volcanics (**Unit 10**). Two sets of intrusives are believed to be feeders to the felsic and intermediate/mafic volcanics, respectively: felsic feldspar porphyries (**Unit 8**) and diorite (**Unit 11**). Unit 8 also includes felsic porphyritic flows, which are not reliably differentiated from the subvolcanic porphyries. Table 6.1.1 summarizes lithologies of the Hazelton Group and its subvolcanic intrusives.

Table 6.1.1
HAZELTON GROUP LITHOLOGIES

11 Diorite: Dark green to brown, equigranular, medium-grained, commonly carbonate-altered with local mariposite.

10 Andesite and basalt

- **10a** **Basalt flows:** Dark green to brown, locally amygdaloidal, commonly calcite- and chlorite-altered. Local pillows and bomb breccias.
- **10b** **Tuff-breccia:** Subangular, light grey to light green, 1-10cm andesitic fragments in dark grey tuffaceous, locally calcareous, matrix.
- **10c** **Feldspar crystal tuff:** 40% broken feldspar crystals in brown, tuffaceous, andesitic matrix.
- **10d** **Dykes:** Dark green, fine-grained, aphyric.
- **10f** **Amygdaloidal andesite:** Light green to olive green, with irregular 1-6mm calcite amygdules.
- **10g** **Lithic tuff:** Dark grey-green to grey-brown, with 30% 2mm andesitic fragments and lesser feldspar crystal fragments. Non-magnetic
- **10h** **Lapilli-breccia bomb tuff:** Dark to medium green, highly vesicular, rounded breccia sized fragments in a fine tuffaceous matrix.
- **10i** **Argillaceous mafic tuff-greywacke:** Highly variable from weakly tuffaceous argillite to weakly argillaceous, medium to fine-grained mafic greywacke containing argillaceous fragments. Generally finer-grained and more complexly interbedded than 10j.
- **10j** **Mafic greywacke and chert pebble conglomerate:** Dark green to grey green massive to graded greywacke, comprised of medium to coarse-grained fragments of basalt-andesite and black to grey chert and cherty argillite; local chert-pebble conglomerate with up to 2cm pebbles.
- **10k** **Andesite:** Blue-grey, fine-grained, aphyric.

9 Marine sediments

- **9a** **Interbedded argillite and siltstone:** Medium-bedded, dark grey siltstone and black argillite.
- **9d** **Basal conglomerate:** Subrounded, 1-25cm felsic pebbles in black, argillitic matrix. Long axes of clasts aligned with bedding.

9e **Argillite:** Black, locally graphitic, locally pyritic. Poorly bedded. Commonly sheared, fractured and contorted.

9f **Interbedded argillite and limestone:** Black, locally graphitic, locally pyritic, argillite (similar to Unit 9e) containing sparse lenses of black, fine-grained, limestone up to 50cm thick. Argillite commonly sheared, fractured and contorted.

9g **Greywacke:** Medium grey, with subrounded heterolithic 2-4mm grains. Gradational with Unit 10i.

9h **Cherty siltstone:** Medium grey.

9i ***Fossiliferous interbedded siltstone and heterolithic conglomerate:*** Interbedded light brown, weakly calcareous siltstone with interbeds of poorly sorted, mixed coarse sandstone to conglomerate. Coarse interbeds contain fragments of black recrystallized fossil hash (including belemnites), altered and pyritic porphyritic dacite, chalcedonic chert and pyrobitumen. May represent eroded equivalents to the Marcasite Gossan.

8 Felsic porphyritic subvolcanic intrusions and/or flows

8a **Feldspar porphyry:** Grey matrix with 5-20%, 4-6mm plagioclase, sparse 5-30mm potassium feldspar and rare quartz phenocrysts. Most exposures are highly altered, predominantly by sericite, clay minerals, potassium feldspar and silica, with 5-20% pyrite.

8c **Two feldspar porphyry:** Pink to brown-maroon fine-grained granular felsic groundmass with rare 0.5-1mm biotite flakes and columnar smoky grey apatite crystals. 5-7% total feldspars as 1-3mm sub-euhedral plagioclase and rare 4-6mm phenocrysts. Has characteristic blocky weathering. Distinguished from 8a by lower total phenocryst component and absence of K-spar megacrysts.

8d **Sparsely porphyritic dacite:** Pink to brown-maroon fine-grained granular felsic groundmass with rare (<5%) 1-3 mm anhedral often diffuse feldspar phenocrysts with very rare euhedral 1-3 cm megacrysts. Distinguished from 8a and 8c by lesser proportion of total feldspars. Most notable in South Gossan area.

8e **Feldspar-biotite porphyry:** Maroon matrix with 30% subhedral 4mm feldspar phenocrysts and 5% euhedral 1mm biotite flakes (Unit 7f in Awmack, 1996).

7 Felsic to intermediate extrusive rocks

7a **Lithic-crystal lapilli tuff:** Grey to brown tuffaceous matrix containing felsic lapilli, feldspar crystals and rare quartz crystals.

7c **Tuff-breccia:** Randomly oriented, subangular, 2-30mm felsic clasts in felsic ash matrix.

7d **Conglomerate:** Lenses of close-packed, rounded, felsic pebbles to 3cm in pebbly arkose. Occurs as interbeds within felsic volcanics.

7e **Tuff/arkose:** Grey-brown to pink, unsorted, subrounded 1-2mm grains of feldspar, quartz and felsic volcanics. Rare graphitic mud-chips. Resistant to weathering.

7g **Dacite:** Light grey, massive, fine-grained.

7h **Feldspar-quartz dacite:** Grey-green, with 4mm feldspar phenocrysts and local quartz phenocrysts.

7i **Quartz-eye tuff:** Light grey matrix with <2mm subangular felsic fragments and sparse 1-2 mm quartz phenoclasts.

6 *Betty Creek Formation:* Andesite

6a **Maroon agglomerate:** Subrounded, heterolithic, grey to maroon, andesitic clasts in maroon tuffaceous matrix. Andesitic clasts are fine-grained, massive to feldspar-phyric; carbonate veining in clasts precedes deposition. Subaerial lahar? Observed only in drill hole RG91-28 from the GOZ 3 claim.

6b **Maroon crystal lithic tuff:** Feldspar and hornblende crystals and green andesitic fragments in maroon matrix. Weakly magnetic. Observed only in westernmost fault slice on More Grid.

6.1.1 Downpour Grid

The Marcasite Gossan (Figures 4a and 5a) is centred on an outcrop of sparsely porphyritic dacite (Unit 8c) that shows local pillow forms. A zone of peperite, covering 25 x 80 metres at the north end of the gossan, consists of angular dacite clasts in weakly calcareous siltstone, locally cut by irregular dacite dykes of identical composition and texture. The Marcasite Gossan derives its name from a strongly-developed irregular stockwork of marcasite+pyrite+chalcedony with local pyrobitumen and barite, which cuts through Kspar-altered and silicified dacite over an area of 50 x 200 metres. Marcasite-replaced belemnites were observed within a stockwork vein. The dacite is more resistant in this style of alteration/stockwork and only one poorly-exposed outcrop exists south of its transition to pervasive

intense clay-sericite alteration. At the southwest end of the Marcasite Gossan, poorly-exposed strata of weakly calcareous siltstone, wacke and conglomerate (Unit 9i) unconformably overlies the dacite-hosted stockwork. The clastics contain rare fragments of pyrobitumen, chalcedony and rusty altered dacite, along with abundant belemnites; sulphides are absent. The clastics dip moderately to the west, covered by extensive moraine along Downpour Creek.

One east-dipping outcrop of pyritic black argillite separates the Marcasite Gossan from an overlying package to the east of sparsely porphyritic dacite and felsic crystal lithic tuff. This package of rocks is cut by a similar, but less strongly-developed quartz±chalcedony±pyrobitumen stockwork. Continuing upslope to the east, a VLF-EM conductor (Pezzot, 1996), thought to be caused by unexposed conductive argillite, is marked by a broad gully completely covered by talus basalt boulders. A thick accumulation of basalt continues upslope to the east, with vesicular bomb breccia at the base overlain by pillow basalt. Two northerly-trending faults separate the basalt package from mafic tuffs and clastics to the northeast. Further up, strata of argillaceous mafic tuff/greywacke (Unit 10j) appear to extend across the projected trend of these faults, suggesting that they may be syndepositional. In addition, the thickening black argillite and mafic tuffs to the northeast may represent a basin on the flanks of a hydrothermally-altered dacite/basalt volcanic edifice.

Approximately 1000 metres south of the Marcasite Gossan, sparsely porphyritic dacite with potassium feldspar megacrysts (Unit 8c) is exposed in the South Gossan area (Figure 4a). A weak pyrite+calcite±quartz stockwork cuts the dacite, giving the South Gossan its name. The stockwork appears similar to the weaker portions of the Marcasite Gossan stockwork, except for the presence of sparry calcite. It appears that the South Gossan represents a system similar to the Marcasite Gossan, but eroded to a different vertical and/or lateral plane. Stockwork float similar to the Marcasite Gossan was found midway between the Marcasite and South Gossans, and presumably originated up-ice in the vicinity of the South Gossan. Like the Marcasite Gossan, the South Gossan is separated by a VLF conductor (coinciding with pyritic, carbonaceous argillite 300 metres to the south) from a thick accumulation of tholeiitic basalts to the east. The basalt stratigraphy consists of a bomb breccia at the base, overlain by at least 120 metres of pillowed basalt.

A large body of argillized, sericitized and pyritized feldspar porphyry (Unit 8a) outcrops in the Gossan Creek drainage, with rare potassium feldspar megacrysts to 3 centimetres (Figure 5b). Small faults are common throughout the feldspar porphyry. Two larger ones, marked by <1 metre of fault gouge, trend east-southeast down Gossan Creek, probably representing a single fault which has been dextrally offset by 40 metres. This Gossan Creek Fault juxtaposes argillized feldspar porphyry to the south with poorly-exposed felsic lithic tuff to the north.

A wide zone of faulting is marked in 7450 Creek between 1170 and 1240 metres elevation by extensive subcrop of highly sheared black argillite with slivers of silicified felsic volcanics. This "Carcass Fault" had been previously traced to the northwest, placing felsic volcanics to the southwest next to a package of fine marine clastics and andesitic volcanics. The position of Carcass Fault is ambiguous to the south of 7450 Creek, where outcrop is sparse. However, it is inferred to follow a strong VLF-EM conductor reported by Pezzot (1996) between lines 7100N and 7400N. It is presumably displaced by the east-southeast fault described along Gossan Creek, since the VLF-EM conductor does not continue south of the creek.

6.1.2 More Grid

Mapping was carried out along the 1997 grid lines in the northwestern corner of the More Grid (Figure 6). Three stratigraphic packages were revealed; their contacts are not exposed, but are thought to follow parallel splays of the Forrest Kerr Fault. The westernmost outcrop forms an isolated hummock of maroon andesitic crystal lithic tuff (**Unit 6b**), tentatively assigned to the Betty Creek Formation in the lower part of the Hazelton Group. Similar lithologies have not been noted elsewhere in outcrop.

A section of felsic volcanics is poorly exposed between lines 850E and 1050E on the 1997 grid and further south around Gem Lake. The majority of these are lithic crystal tuffs (**Unit 7a**) of probable rhyodacite composition. Bedding orientation is not obvious. A few outcrops are not obviously tuffaceous, consisting of massive, fine-grained, light grey or grey-green dacite, with (**Unit 7h**) or without (**Unit 7g**) feldspar and quartz phenocrysts. Exposure is insufficient to determine their extent or orientation, or to subdivide these as discrete strata. Manganese staining and minor goethite is common throughout the felsic section.

A resistant package of andesitic to basaltic volcanics outcrops east of line 1050E, forming the spine of the ridge. Three northerly-trending sub-units have been differentiated. From the northwest (and lowest elevation) uphill to the southeast, these are: amygdaloidal andesite flows (**Unit 10f**), andesitic lithic tuff (**Unit 10g**) and basalt flows (**Unit 10a**). Again, the orientation of these sub-units is not known, although their outcrop pattern is inconsistent with them lying conformably over the central package of felsic volcanics.

The actual contact between the felsic and mafic volcanics is hidden by 50 metres or more without outcrop; much of this is marked by a broad, tag alder-filled depression, along which Campbell et al (1991) reported a VLF-EM conductor. This conductor likely marks a fault (the "Green Fault") along the contact, paralleling the Forrest Kerr Fault, which lies approximately 800 metres to the west. A second parallel fault splay (the "Verde Fault") may lie 550 metres east of the Forrest Kerr Fault, between the single outcrop of Betty Creek andesite and the felsic package.

6.2 Alteration and Mineralization

Rock samples were taken from altered and mineralized outcrops and float boulders on the RDN 1-10 claims during the course of mapping and prospecting. They are described in Appendix C and plotted on Figures 4a, 5a, 5b and 6.

6.2.1 ***Downpour Grid***

At the Marcasite Gossan (Figure 5a), a stockwork of irregular marcasite+pyrite+chalcedony±barite±pyrobitumen veinlets cuts potassically-altered dacite. The veining shows some high-level textures commonly associated with epithermal mineralization, such as fine-grained colloform banding. This interpretation is corroborated by the presence of low-temperature minerals: marcasite, chalcedony and pyrobitumen. The stockwork constitutes 1-15% of the dacite, with strong evidence that it and its host dacite were emplaced at or immediately below the seafloor and could represent a hydrothermal system which vented to the seafloor. Veining within the stockwork contains low gold, silver and base metal values, but up to 2750 ppm As, 122 ppb Sb, 124 ppm Mo and 5240 ppb Hg. Siltstone and conglomerate which overlie the altered dacite to the southwest contain clasts of chalcedony, pyrobitumen and altered dacite; samples contained low values for all metals. An outcrop of carbonaceous mudstone likely overlying the Marcasite Gossan dacite to the southeast contains syngenetic 3-5 millimetre pyrite laminae; select sample 108538 contained 1090 ppb Hg with low base and precious metal values. Table 6.2.1.1 gives results for different lithologies in the Marcasite Gossan area.

Table 6.2.1.1
Marcasite Gossan Mineralization

Sample Number	Year	Rock Type	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
8481	1997	Siltstone	<5	<0.2	12	10	420	12	2	60
8482	1997	Peperite	<5	1.0	102	43	550	30	30	22
8486	1997	Veining	<5	<0.2	2750	15	5240	<2	122	38
8487	1997	Conglom.	<5	<0.2	42	15	760	<2	8	38

Upslope and upsection from the main Marcasite Gossan, felsic lithic crystal tuff and dacite are cut by a similar but weaker quartz±chalcedony±pyrite±pyrobitumen stockwork. Several silver-bearing samples have been taken from this area (Table 6.2.1.2). Float sample 8490, with 70 g/tonne Ag, was taken from a boulder with brecciated, colloform chalcedony veining, clearly indicating a high level of emplacement. Table 6.2.1.2 summarizes results for this and other silver-bearing samples taken from the upper Marcasite Gossan. In addition to silver, these samples also show much higher levels of copper, lead and zinc than those from the main Marcasite Gossan.

Table 6.2.1.2
Upper Marcasite Gossan Mineralization

Sample Number	Year	Sample Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
NDR-11	1988	Float?	25	59.5	188	47	N/A	391	91	776
NDR-12	1988	Float?	30	207.6	238	196	N/A	722	320	66
626859	1994	Subcrop	<5	141 g/t	360	654	3000	338	352	2480
8490	1997	Float	<5	70 g/t	308	58	2340	108	52	84

The Steen Vein, discovered during the 1997 program on the north side of Cole Creek (Figure 5a), *is a quartz+galena+sphalerite±tetrahedrite vein which follows a fault trending 068°/65°S.* The quartz is mottled and locally chalcedonic; medium-grained galena and pale green sphalerite form clots and fracture-fillings. Chip samples 108546-548 averaged 279 g/tonne (8.1 oz/ton) Ag, 1.86% Pb, 0.77% Zn and 350 ppb Au across a true vein width of 2.0 metres. The hanging wall of the Steen Vein is cut by a stockwork of randomly-oriented vuggy to chalcedonic quartz veinlets with local sphalerite and galena in ankeritized, possibly Kspar-altered, felsic crystal lapilli to breccia tuff. Locally, the groundmass is altered by a bright green amorphous barium mica(?); sample 108545 contains 0.4% Ba from this type of alteration. Samples 230901-908, taken from a continuous chip across the Steen Vein hanging wall stockwork, averaged 20 ppm Ag and a few thousand ppm lead and zinc across a true width of 20.8 metres. Silver-bearing float samples described by Awmack (1996) in the Cole Creek area are undoubtedly derived from the Steen Vein and its hanging wall stockwork. To the southwest, the Steen Vein is likely cut off by faulting along Cole Creek. Determining its northeastern extension is hampered by lack of outcrop between Cole and Contact Creek.

Table 6.2.1.3
Steen Vein Mineralization

Sample Number	Year	True Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238763	1996	Float	35	322 g/t	90	202	23600	434	38	3340
238867	1996	Float	<5	62 g/t	66	560	5260	402	76	1570
238868	1996	Float	<5	45 g/t	190	1005	3090	830	344	5860
238872	1996	Float	<5	48 g/t	56	271	880	772	110	996
10487	1997	0.5	170	434 g/t	698	4970	8210	1.24%	2310	6980
10488	1997	0.5	395	287 g/t	1785	4950	34600	6270	1620	2630
108543	1997	Float	430	131 g/t	32	57	8890	3.13%	46	2.81%
108545	1997	Float	<5	16.2	26	59	1280	658	30	1180
108546	1997	1.10	540	272 g/t	46	88	14700	5440	84	2560
108547	1997	0.25	100	437 g/t	60	301	>100000	11.65%	88	4.33%
108548	1997	0.65	125	231 g/t	24	100	5550	3270	92	2790
230901	1997	2.80	5	16.0	48	128	870	1075	46	1460
230902	1997	2.80	<5	7.0	36	46	530	840	16	1400
230903	1997	3.00	<5	30.0	44	111	1820	482	38	1315
230904	1997	3.00	<5	19.8	78	308	940	968	96	1920
230905	1997	3.00	<5	37.0	30	34	4100	636	14	1760
230906	1997	2.20	<5	1.4	14	7	190	812	2	1755
230907	1997	2.00	<5	5.6	44	15	300	392	8	1935
230908	1997	2.00	75	38.4	98	155	2490	690	58	5510

Numerous float boulders of quartz+galena+sphalerite veining were sampled in Contact Creek, approximately 500 metres northeast of the Steen Vein outcrop and similar in texture and mineralogy to it (Figure 5b). Assays from these boulders are similar to those for the Steen Vein, except for 230858, which assayed 2.47 g/tonne Au (Table 6.2.1.4). The uppermost Contact Creek boulders lie near the projected strike extension of the Steen Vein and are likely derived from it, implying a strike length in excess of 500 metres for the structure.

Table 6.2.1.4
Contact Creek Float Mineralization

Sample Number	Year	True Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
10484	1997	Float	<5	89.0	710	1980	11700	4810	222	1500
10493	1997	Float	<5	245 g/t	424	1790	42100	48	246	614
230801	1997	Float	15	13.2	38	20	2860	3.58%	6	6.57%
230854	1997	Float	10	16.0	14	86	110	3970	28	1.57%
230855	1997	Float	40	7.6	12	37	3380	4930	10	1.71%
230856	1997	Float	<5	30.8	504	1525	3110	250	200	1010
230858	1997	Float	2.47g/t	28.4	106	142	3290	2870	34	9540

Intensive prospecting in the vicinity of the Jungle Au+Ag+As soil geochemical anomaly to the northwest of Gossan and Downpour Creeks (Figure 5b) led to the discovery of several gold-bearing float boulders (Table 6.2.1.5) of diverse lithologies. With the exception of sample 3840, these were all taken from a steep gully which cuts through the heart of the soil anomaly and are thought to be derived from nearby. The most significant of these float boulders is sample 3839 (petrographic description in Appendix D), which assayed 25.44 g/tonne Au. This fist-sized cobble consists of contorted, silicified, black argillite with bedding parallel and discordant quartz stringers and patches of disseminated pyrite.

Table 6.2.1.5
Jungle Anomaly Float Mineralization

Sample Number	Rock Type	True Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3834	Felsic	Float	40	<.2	32	10	<10	6	<2	64
3835	Felsic	Float	45	0.2	40	24	<10	92	<2	98
3836	Felsic	Float	195	0.2	78	16	<10	42	<2	122
3837	Diorite	Float	50	0.8	68	17	20	38	<2	92
3839	Argillite	Float	25.44 g/t	17.2	312	204	1910	4340	<2	3350
3840	Felsic	Float	250	<.2	14	6	80	30	<2	144

Ferricrete terraces and granular patches cover an area of 30 x 330 metres, centred around a small side-creek on the hillside south of Gossan Creek (Figure 5b); these deposits are actively being deposited from small springs within the ferricrete. At its foot, where it is truncated by Downpour Creek, the ferricrete forms a scarp over 15 metres high. The main body of pyritic feldspar porphyry outcrops above the ferricrete, forming a possible source for the iron. It seems reasonable that the upper limit of the ferricrete marks a pH change in the groundwater, probably along the contact between the pyritic feldspar porphyry (Unit 8a) and the package of fine marine clastics and andesite (Units 9 and 10). Three "rock" samples (3848-3850) were taken from ferricrete material at 25 metre centres along line 6550N; they are extremely low in all base and precious metals except iron.

6.2.2 More Grid

All known mineralization on the More Grid is situated within the central fault block of felsic volcanics (Figure 6). The best exposed showing is the Main Zone, which is an intensely silicified and sulphide-rich fault/vein breccia. A small fault, trending 255°/70°N juxtaposes Main Zone silicification with weakly silicified and sericitized, low-sulphide breccia to the south. Chip sampling averaged 3.09 g/tonne Au, 15.5 ppm Ag, 0.49% Pb and 1.13% Zn across a true width of 8.3 metres, remaining open to the north. The Main Zone is exposed along a strike length of 24 metres, remaining open to the east and west (Awmack, 1996). The Club Zone is an intensely silicified, though sulphide-poor, fault/vein breccia, located 150 metres west-southwest of the Main Zone and along its inferred trend. It is exposed across a width of seven metres, with 160-515 ppb Au in chip samples (Awmack, 1996). Between the Main and Club Zones, an outcrop of felsic lithic crystal tuff is cut by sheeted quartz veinlets trending 250°/70°N, supporting this as the trend of the Main and Club Zones. It seems likely that the Main and Club Zones fill a tension fault which lies nearly perpendicular to the Verde and Green Faults and extends between them.

A number of intensely silicified float boulders were found in 1996 and 1997 approximately 170 metres south of the Club Zone, near 940E on the 2000N baseline (Table 6.2.2.1). Hand-trenching revealed a 1.1 x 3.5 metre outcrop of vein breccia (the Baseline Showing) with no wallrock exposed. In

contrast to the float boulders in the vicinity, the margins of the outcrop contained recessive-weathering boxwork after sulphides. Two chip samples, 626740 and 626741, were taken across 110 and 60 centimetres, respectively, of the Baseline Showing outcrop; their gold, lead and zinc values are much higher than for the sulphide-poor boulders nearby. The boulders appear to be derived from the more resistant (intensely silicified but sulphide-poor) portions of the vein breccia; higher gold values are present in sulphide-rich portions, which are more recessive and not all of which are exposed.

The orientation of veining at the Baseline Showing is not clear. Sheeted quartz veinlets fifty metres to the north trend 075°/90°, parallel to the Main/Club Zone trend. However, semi-continuous outcrop without significant veining is exposed over 50 metres in an Adrian Resources blast trench to the northeast of the Baseline Showing; if the Baseline Showing parallels the Main/Club Zone trend, then it is either truncated by faulting or dissipates between the Showing and the trench. Alternatively, the long axis of the Baseline Showing vein breccia outcrop trends 140° and the dominant veinlet orientation in an outcrop 30 metres east of the Baseline Showing is 343°/85°E. A south-southeasterly trend could be inferred from these for the Baseline Showing, but several silicified boulders, including 3902 and 3903, lie upslope of its inferred trace. More likely, there are several veins in this area, with differing orientations.

Table 6.2.2.1
Baseline Showing Mineralization

Sample Number	Year	Sample Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3902	1991	Float	4.5 g/t	53.0	10	3200	N/A	9500	25	820
3903	1991	Float	4.2 g/t	32.0	5	750	N/A	1100	10	400
238792	1996	Float	2.09 g/t	3.0	4	16	40	64	<2	126
238875	1996	Float	295	7.8	16	287	1700	1.72%	4	1.82%
626732	1997	Float	860	1.8	2	17	10	68	<2	30
626740	1997	0.6	3.63 g/t	9.2	68	375	2040	4110	2	2370
626741	1997	1.1	6.21 g/t	6.0	32	185	2820	1290	4	2380

No bedrock source has been found for a cluster of intensely silicified boulders located 60-90 metres south of the Baseline Showing (Table 6.2.2.2). These lie on or downslope from an inferred south-southeastern extension to the Baseline Showing and appear texturally similar to it. Again, it is likely that multiple veins with varying orientations are present in this area, but have not been recognized due to lack of outcrop.

Table 6.2.2.2
South Baseline Showing Mineralization

Sample Number	Year	Sample Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238783	1996	Float	2.06 g/t	5.2	6	39	260	334	<2	158
3816	1997	Float	4.05 g/t	7.4	<2	24	90	82	<2	4
626739	1997	Float	0.96 g/t	3.4	16	92	490	1400	<2	576
626750	1997	Float	550	0.6	<2	9	10	10	<2	24

Several isolated felsic rock samples on the More Grid contained 1000-4000 ppm lead and zinc with low gold values (Table 6.2.2.3). These generally contain little or no quartz veining and are affected by variable intensities of carbonate alteration. It could be argued that the extensive lead and zinc soil geochemical anomalies overlying the felsic volcanics are due to pervasive very low-grade sulphide disseminations, as represented by these samples. Sample 3821, with 1.51 g/tonne Au, was taken from two cobbles of quartz vein breccia midway between the Main and Club Zones. Their source is not clear and they could not have been derived from downslope dispersion from known mineralization.

Table 6.2.2.3
Other More Grid Mineralization

Sample Number	Year	Sample Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238817	1996	1.0	10	0.2	4	66	40	152	<2	2760
238876	1996	Float	5	0.6	6	29	100	478	<2	1495

Table 6.2.2.3 (continued)
Other More Grid Mineralization

3819	1997	1.0	<5	1.0	<2	58	50	466	<2	1220
3821	1997	Float	1.51 g/t	8.0	8	1375	240	364	<2	1060
3823[1]	1997	0.1	2.16 g/t	32.0	16	2920	2080	2200	2	4290
626737	1997	0.5	10	1.8	2	23	160	2240	<2	2920
626745	1997	Float	<5	0.2	10	15	90	538	<2	1210
626746	1997	Float	<5	0.4	<2	29	110	636	<2	1435
626747	1997	Float	60	0.4	6	42	250	284	<2	3380

Note[1]: Gem Showing

The Gem Showing, first described by Campbell et al (1991), is located within a small lead soil geochemical anomaly near 15420N 7970E on the Adrian Grid. Sample 3823 (Table 6.2.2.3), taken from a ten centimetre quartz-carbonate-sulphide vein at the Gem Showing, assayed 2.16 g/tonne Au. The weakly sericitized and silicified felsic wallrock to the vein returned low values for all elements, indicating little potential for this showing.

6.3 Whole Rock Geochemistry

Whole rock analysis was carried out on four samples collected in 1997. These were taken to complement the database of 72 mainly felsic whole rock samples collected in 1994 and 1996 (Awmack, 1995a, 1996). Ternary diagrams for major oxides and scatter plots of potentially conserved elements (Al_2O_3, TiO_2, Zr, Nb and Y) for the entire database, plus a suite of whole rock data from Eskay Creek, are presented in Appendix F. These show that:

- A little-altered K-spar megacrystic feldspar porphyry (Unit 8d) from the South Gossan plots as a rhyodacite on the quartz-alkali feldspar-plagioclase (QAP) ternary diagram, probably representing the initial composition for this unit, which hosts the Marcasite Gossan.
- Based on the Zr/TiO_2 vs Nb/Y plot, the majority of RDN "felsic" rocks fall into the andesite or rhyodacite/dacite fields, along with some of Eskay Creek's footwall andesites and dacites. There is no RDN equivalent to the low-TiO_2 rhyolite at Eskay Creek.
- Again based on the Zr/TiO_2 vs Nb/Y plot, the RDN's basalt and diorite form a common group with those from Eskay Creek's hanging wall, lying within the subalkaline basalt field.
- SiO_2 vs FeO/MgO and Na_2O+K_2O vs SiO_2 plots show that the hanging wall basalts and diorite from Eskay Creek and the RDN property form a single group within the tholeiitic field and straddle the boundary between alkaline and subalkaline.
- The RDN "felsic" rocks have similar TiO_2, Zr, Nb, Al_2O_3 and Y contents to Eskay Creek's footwall andesites and dacites. Like the Eskay Porphyry, the RDN's feldspar porphyries are indicated to be comagmatic with these footwall volcanics.

7.0 SOIL GEOCHEMISTRY

7.1 Downpour Grid

In 1997, an additional 353 soil samples were taken from the Downpour Grid between 6250N and 7600N. West of Downpour Creek, these consisted of 50-metre infill lines designed to delineate the Jungle Au+As soil geochemical anomaly reported on lines 7000N, 7100N and 7200N (Awmack, 1996). Four lines, 100 metres apart, were run east of Downpour Creek between 6900N and 7200N to determine whether this anomaly continued into an area where no soil geochemistry had ever been undertaken. Soil geochemical values between lines 6200N and 7600N are presented on Figures 7a-9a, and will be discussed below. Table 7.1.1 summarizes percentiles for the 541 soil samples taken in this area (in parentheses are percentiles for the entire Downpour Grid, calculated from the 1,349 soil samples taken between 1995 and 1997). It is clear that this portion of the Downpour Grid is enriched in gold and arsenic and depleted in copper and mercury, relative to the entire grid.

Table 7.1.1
Soil Geochemistry: Percentiles (Downpour Grid)

Percentile	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
50th	<5 (<5)	0.2 (0.2)	26 (22)	33 (43)	60 (80)	3 (3)	24 (18)	<2 (<2)	128 (134)
80th	<5 (<5)	0.8 (0.6)	42 (38)	55 (65)	120 (140)	6 (5)	42 (36)	2 (4)	212 (210)
90th	15 (<5)	1.0 (1.0)	60 (52)	69 (79)	170 (190)	9 (8)	56 (52)	4 (6)	264 (268)
95th	30 (15)	1.6 (1.4)	82 (70)	85 (88)	210 (250)	12 (11)	66 (66)	6 (8)	322 (346)
98th	120 (40)	2.4 (2.4)	128 (100)	98 (104)	290 (370)	16 (16)	102 (106)	6 (12)	398 (502)
99th	170 (120)	3.4 (3.4)	154 (128)	107 (125)	330 (490)	18 (19)	112 (130)	8 (14)	460 (604)
Maximum	600 (600)	6.8 (12.6)	214 (214)	186 (217)	400 (2600)	31 (134)	222 (692)	12 (50)	886 (902)

A very pronounced 100 x 450 metre Au+As±Ag±Pb soil geochemical anomaly (the "Jungle" anomaly) trends 060° between lines 7000N and 7250N, with maximum values of 600 ppb Au, 194 ppm As, 4.4 ppm Ag and 120 ppm Pb. The southwestern end is bounded by Gossan Creek, which follows an east-southeasterly trending fault and by the northwesterly-trending Carcass Fault. To the northeast, the anomaly ends at Downpour Creek, with one anomalous sample (1750E 7175N; 65 ppb Au) lying east of it, indicating that the geochemical anomaly is not truncated by any hypothetical fault along Downpour Creek. Downpour Creek changes direction where intersected by the soil anomaly and flows northeasterly for 600 metres; it may be following a recessive horizon or structure associated with the soil anomaly. Soil sampling may prove ineffective along the anomaly's inferred northeastern extension due to alluvium.

The Jungle soil anomaly is covered by thick tag alder without much outcrop. Only one small outcrop of rusty black argillite was noted, on the upslope fringe of the anomaly at 7225N 1650E. A small gully cutting northwesterly through the heart of the anomaly contains possible near-source float cobbles of intensely silicified felsic volcanics, diorite and rusty argillite. The felsic and diorite cobbles contain 40-195 ppb Au, while a sample of pyritic black argillite with a quartz veinlet stockwork assayed 25.44 g/tonne Au with elevated lead, zinc, silver, arsenic and mercury. The gold-rich argillite stockwork sample was taken only five metres along the hillside from 7100N 1550E (600 ppb Au and 114 ppm As) and therefore, the Jungle anomaly is attributed, at least in part, to this style of mineralization. Noranda had targeted two diamond drill holes at the Jungle soil anomaly, with holes RG90-12 (-48°, 46.0m) and RG90-13 (-60°, 30.5m) abandoned in overburden after coring through boulders of "black siltstone and oxidized felsic volcanic". Both of these holes were drilled down a 35° hillside, undoubtedly worsening drilling conditions.

A multi-element soil anomaly lies on the western end of line 7500N, with maximum values of 40 ppb Au, 2.8 ppm Ag, 112 ppm Pb, 148 ppm As and 886 ppb Zn. This area, between 7450 Creek and 7500 Creek, covers the wide zone of faulting associated with the Carcass Fault, including silicified slivers of felsic volcanics and sheared argillite subcrop. Further sampling will be necessary to determine the extent and significance of this anomaly.

7.2 More Grid

Noranda and Adrian collected soil samples at 25-metre intervals along east-west lines spaced 100 and 200 metres apart over ground now covered by the RDN 9 and 10 claims (Campbell et al, 1991). Their work showed a northerly-trending 200 x 700 metre Pb+Zn±Au±As±Ag±Cu soil geochemical anomaly overlying a package of felsic volcanics and the Main Zone. The Noranda/Adrian lines were oriented subparallel to the inferred trend of the Main Zone (255°/70°N), so a new soil geochemical grid was run in 1997 over the anomalous area with cross-lines oriented at 340° (Figures 7b-9b). Percentiles were calculated from 329 soil samples taken in 1996 and 1997 (Table 7.2.1). These percentiles cannot be readily compared with those for the Downpour Grid, since the More Grid sampling was confined to an area chosen for its anomalous geochemistry. As such, it is not surprising that percentiles for the More Grid are much higher than the corresponding Downpour percentiles for gold, lead and zinc. Less

expectedly, the More and Downpour Grids show similar levels of silver, copper and mercury; arsenic and antimony are actually depleted on the More Grid. In the following discussion, values of 20 ppb Au, 50 ppm Pb, 400 ppm Zn, 100 ppm Cu, 1.0 ppm Ag and 30 ppm As have been chosen as anomalous.

Table 7.2.1
Soil Geochemistry: Percentiles (More Grid)

Percentile	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
50th	<5	0.2	2	42	90	1	22	<2	150
80th	10	0.6	10	63	140	3	90	<2	352
90th	25	1.0	14	86	170	4	154	2	540
95th	45	1.4	18	111	200	5	212	2	676
98th	90	2.4	24	142	240	7	276	2	992
99th	145	3.0	40	184	310	8	376	2	1490
Maximum	1920	7.4	110	219	1310	12	760	2	3600

The 1997 More Grid sampling showed the More soil geochemical anomaly to lie almost entirely over the central fault slice of felsic volcanics, covering an area of 250 x 800 metres. With the exception of two copper-bearing and three arsenic-bearing samples, its eastern edge does not extend upslope past the inferred Green Fault into unaltered basalt and andesite. To the north, the anomaly is truncated by the swamp marking the edge of the More Creek flood-plain. To the south, no anomalous values are found south of 1700N. Campbell et al (1991) inferred a fault trending 070° at approximately 1725N, based on discontinuities in VLF-EM conductors. No geological evidence was seen for such a fault, but it would help explain the southern termination of the soil anomaly. To the west, the soil anomaly continues down for at least 50 metres into the western fault slice of Betty Creek Formation andesite. This is thought to represent downslope dispersion from the strongest sections of the main anomaly.

The More soil anomaly can be broken down into four sections, two of which are associated with known mineralization. The Main Zone is marked by highly anomalous soil samples immediately upslope to the east (1100E 2200N: 572 ppm Pb and 190 ppb Au) and downslope to the northwest (1050E 2225N: 1785 ppm Zn, 276 ppm Pb, 219 ppm Cu and 45 ppb Au) of the mineralized outcrop. Gold, silver, copper, lead and zinc show a strong westerly trend from the Main Zone down to the edge of the More Creek flood plain, passing about 50 metres to the north of the Club Zone. Much of this, in the case of zinc especially, could be attributed to downslope dispersion from the exposed portion of the Main Zone, but some anomalous samples (eg. 950E 2225N: 652 ppm Pb and 101 ppm As) must indicate new mineralized zones or extensions of known ones. The only geological evidence for such mineralization in this overburden-covered area is an outcrop immediately south of this trend's axis with sheeted quartz veinlets and a boulder of rusty carbonate-altered felsic volcanic containing 3380 ppm Zn and 60 ppb Au.

The Club Zone lies south of this Main Zone soil anomaly trend, marked by soil values of 234 ppm Pb, 1260 ppm Zn and 30 ppb Au immediately downslope. A 50 x 400 metre northerly-trending Au+Pb+Zn+Ag anomalous trend passes through the Club Zone, but it cannot be determined whether this reflects a northerly trending mineralized zone or a series of short strike-length zones parallel to the Main Zone. As an example, the highly anomalous sample at 1050E 2400N (760 ppm Pb, 45 ppm Au and 2.2 ppm Ag) lies only 50 metres west of the Green Fault and 50 metres east of the More Creek flood-plain; the geochemical pattern is ambiguous and there is no outcrop in this area to illuminate its source.

The Baseline Showing is marked by strong lead (205 ppm), zinc (1490 ppm), gold (65 ppb) and silver (4.0 ppm) soil geochemistry about 10 metres upslope. These lie within an 070° trending anomalous zone whose axis lies just north of the 2000N baseline. An outcrop on the northern fringe of this anomalous trend has sheeted quartz veins paralleling it. However, the upper end of this anomalous trend passes through Adrian Resources' blast trench, which encountered no significant veining; sample 626737, with 2920 ppm Zn, 2240 ppm Pb and only 10 ppb Au, was taken from silicified and carbonate-altered felsic tuff exposed in this trench. At the western end of this anomalous trend, soil sample 2000N 825E returned 1920 ppb Au, 244 ppm Pb, 2.0 ppm Ag and 670 ppm Zn from an area with thick tag alder cover and no outcrop or float; the Verde Fault bounding the western edge of the felsic package is thought to pass through here. The float mineralization found in the South Baseline area is reflected by four soil samples with high gold values (75-135 ppb), but other elements are not notably enhanced.

Further south, anomalous lead and zinc values cover an irregularly-shaped area of 100 x 200

metres, centred on 900E 1800N. Precious metal values are generally low, with the exception of one sample with 105 ppb Au and 3.4 ppm Ag. Not much outcrop was found within this anomaly; sample 3819 returned 1220 ppm Zn from a manganese-stained felsic lithic crystal tuff.

8.0 DISCUSSION AND CONCLUSIONS

The 1994-1997 exploration programs on the RDN 1-10 property have focused mainly on its potential to host an Eskay Creek-style precious metal-enriched volcanogenic massive sulphide deposit. This model was based upon strong stratigraphic and lithological similarities and wide-spread alteration and mineralization in the "footwall" felsics on the RDN 1-4 claims. Whole rock analyses show that the RDN felsic volcanics display similar trace element geochemistry to Eskay Creek's Footwall Volcanics and a thick section of proximal tholeiitic submarine basalts above the Marcasite Gossan are chemically indistinguishable from Eskay Creek's hanging wall basalt. No chemical equivalent has so far been found on the RDN property to Eskay Creek's low-titanium Eskay Rhyolite, which forms the immediate footwall to Eskay Creek's massive sulphide lenses. No syngenetic precious metal mineralization has yet been found on the RDN property, but numerous precious and base metal occurrences within the felsic package on the RDN and adjoining claims show them to be in the system and available for deposition in stratiform massive sulphides. Highly altered and pyritized feldspar porphyries are indicated by whole rock geochemistry to be comagmatic with the RDN's felsic volcanics; these large irregular bodies are thought to be subvolcanic intrusions, a feature of most VMS districts.

Detailed mapping of the Marcasite Gossan shows its lower portion to consist of a locally pillowed, peperitic, rhyodacite flow complex. An intense chalcedony+pyrite+marcasite±barite±pyrobitumen stockwork is developed in a portion of the flow. Fragments of chalcedony, pyrobitumen and altered dacite are found in a belemnite-rich calcareous siltstone and conglomerate which is deposited directly on the dacite. The Marcasite Gossan is interpreted to represent a seafloor magmatic/hydrothermal system in which dacite intruded wet, unconsolidated sediments a few metres or tens of metres below the seafloor. The volatile-rich nature of the dacite magma is indicated by late magmatic K-spar overgrowths on plagioclase phenocrysts (thin section 626860; Awmack, 1995a). The late magmatic alteration continued into pervasive hydrothermal alteration and stockwork veining, whose high level of emplacement is indicated by: the presence of chalcedony, pyrobitumen and marcasite; by epithermal vein textures; by elevated arsenic, antimony and mercury levels; by the incorporation of belemnites into veins; and by the stockwork's irregular, anastamosing, morphology. In the Marcasite Gossan, alteration and stockwork contain anomalous levels for only arsenic, antimony, molybdenum and mercury, with low values for the other base and precious metals. However, weaker quartz±pyrite±chalcedony±pyrite veining continues upward into the overlying felsic rocks (the "Upper Marcasite Gossan"), accompanied by higher levels of lead and zinc and up to 208 g/tonne silver. It could represent an upward continuation of the same system responsible for the Marcasite Gossan or a second, stacked, hydrothermal event. The contact between this felsic package and the "hanging wall" basalts is not exposed, although a VLF-EM conductor which follows the contact extends into black argillite outcrop 1,300 metres to the south and similar float 150 metres to the north. Drilling will be necessary to evaluate the potential for silver-rich Eskay-style VMS mineralization along this contact. The Marcasite Gossan area also exhibits the thickest accumulation of proximal "hanging wall" basalts mapped on the property, a feature it shares with Eskay Creek's 21 Zone area, where it is thought to indicate a focus of magmatic and hydrothermal activity. The existence of synvolcanic high-angle faults nearby (bounding the basalts to the north) also indicate local extensional tectonics necessary for basin development, an important factor in accumulation and preservation of syngenetic massive sulphides.

The South Gossan, located 1000 metres south of the Marcasite Gossan, covers a weak dacite-hosted pyrite+calcite±quartz stockwork similar to the weaker portions of the Marcasite Gossan stockwork and overlain to the east by a comparable accumulation of "hanging wall" basalts. It appears to represent a volcanic/hydrothermal system similar to the Marcasite Gossan which has been eroded to a different level. The main target for Eskay-style VMS mineralization at each of these centres would be within anoxic basins flanking the hydrothermal vents, most obviously within the pyritic, carbonaceous argillite inferred to follow the VLF-EM conductor along the dacite/basalt contact east of the gossans. However, onlapping clastics west of the Marcasite Gossan dip westerly and the potential for clastic-hosted VMS mineralization between the gossans and the Forrest Kerr Fault cannot be ignored. In particular, Savell (1990b) reported gold-rich silt (164 ppb Au) and heavy mineral (460 ppb Au, 480 ppm Cu and 100 ppm Pb) samples from the creek which drains the area west of the South Gossan; no gold-bearing rocks have ever been found in its drainage.

The Jungle Au+As±Pb±Ag soil geochemical anomaly trends northeasterly over an area of 100 x

450 metres between Gossan Creek and Downpour Creek. It remains open to the northeast, where its inferred extension is followed by Downpour Creek for 600 metres. The Jungle anomaly apparently lies within the package of fine marine clastics and andesitic volcanics, although near-source boulders of intensely silicified and pyritized felsic volcanics were noted in the heart of the anomaly. A float cobble of pyritic, silicified black argillite with quartz stockworking was found with the silicified felsics, assaying 25.44 g/tonne Au. The Jungle soil anomaly is undoubtedly related to this gold-rich float sample, but understanding of the mineralizing system is hampered by lack of outcrop. The juxtaposition of altered felsic volcanics with the gold-bearing argillite could be interpreted as part of an Eskay-style mineralizing system, even though the quartz stockwork in the argillite is clearly epigenetic and the area's bedding orientations are ambiguous. Alternatively, the Jungle anomaly may indicate a structurally-controlled stockwork zone. In either case, the area covered by the anomaly is large enough to host a significant deposit.

The Steen Vein, discovered during the 1997 exploration program in Cole Creek, is a fault-controlled quartz-sulphide vein assaying 279 g/tonne Ag across a true width of 2.0 metres. On its hanging wall, the Steen Vein is flanked by twenty metres of stockwork grading 20 g/tonne silver. The Steen Vein is only exposed along a strike length of 50 metres, but similar float boulders found 500 metres northeast in Contact Creek could be derived from its projected extension. One sample of this Contact Creek float assayed 2.47 g/tonne Au, indicating the possibility of gold-rich zones in this structure.

Mapping of the More Grid has indicated the presence of two west-northwesterly trending faults (Verde and Green Faults) which lie east of, and parallel to, the major Forrest Kerr Fault. Felsic volcanics lie between the two faults, overlain by extensive Pb+Zn±Au±Ag±Cu soil geochemical anomalies over an area of 250 x 800 metres. The Main Zone, a silicified and sulphidized quartz vein breccia which averages 3.09 g/tonne Au over 8.3 metres true width, appears to fill a dilational fault zone roughly perpendicular to the Green and Verde Faults; soil geochemical anomalies extend west along this trend from the Main Zone to the edge of the More Creek flood-plain. The orientation of the Baseline Showing, 240 metres southwest of the Main Zone, is more ambiguous, but it too lies within a west-southwesterly trending geochemical anomaly. A third Pb+Au+Ag soil anomaly lies 200 metres north of the Main Zone. Unfortunately, the Green Fault lies within 100 metres of the More Creek flood-plain at this point, and whether this anomaly reflects another east-west cross-structure is unknown. The Main Zone lies adjacent to the Green Fault and a 1920 ppb Au soil sample lies on the Baseline Showing trend beside the Verde Fault; it appears that the widest and/or best mineralized sections of these dilatant cross-structures may be adjacent to their bounding faults. The potential strike length of the cross-structures is likely limited to the 260 metres between the Verde and Green Faults, but mineralization could form shoots of considerable width and vertical extent along the intersections of the cross-structures with the major faults.

Respectfully submitted,

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December, 1997

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
RDN 1-7 CLAIMS
August 12-30, 1997

PROFESSIONAL FEES AND WAGES:		
Henry J. Awmack, P.Eng.		
11.0 days @ $425/day	$ 4,675.00	
Mark E. Baknes, P.Geo.		
10.25 days @ $425/day	4,356.25	
Tom Bell, Prospector		
10.25 days @ $300/day	3,075.00	
Tim Sullivan, Senior Sampler		
10.0 days @ $275/day	2,750.00	
Nick Mitchell, Sampler		
10.0 days @ $225/day	2,250.00	
Brian Conway, Sampler		
11.0 days @ $225/day	2,475.00	$ 19,581.25
EQUIPMENT RENTAL: (Equity Engineering Ltd.)		
Generator, 1 kVA*		
11.2 days @ $10/day	$ 112.00	
Fly camp*		
54.6 mandays @ $25/manday	1,365.00	
Chainsaw*		
6.3 days @ $15/day	94.50	
Computer*		
11.2 days @ $15/day	168.00	1,739.50
CHEMICAL ANALYSES:		
353 soils (Au+Hg+32ICP) @ $15.43	$ 5,446.79	
115 rocks (Au+Hg+32ICP) @ $19.48	2,240.20	
6 whole rocks/Ba assays @ $22.63	135.75	7,822.74
EXPENSES:		
Accommodation*	$ 195.58	
Aircraft Charters*	945.00	
Airfare*	2,016.36	
Airport Taxes*	13.54	
Automotive Fuel*	170.06	
Camp Food*	881.62	
Camp Supplies*	104.29	
Courier*	50.29	
Expediting*	324.38	
Fax Charges*	3.96	
Freight*	510.41	
Helicopter*	6,831.15	
Maps and Publications*	36.33	
Meals*	239.39	
Materials and Supplies*	1,012.74	
Petrography	392.00	
Printing and Reproductions*	448.46	
Radio Rental*	155.86	
Satellite Phone Rental*	592.92	
Taxis*	56.53	
Truck Rental*	1,321.41	
Telephone Distance Charges*	37.91	16,340.19
REPORT* (estimated):		4,200.00
	Subtotal:	$ 49,683.68
MANAGEMENT FEES:		
12% on subtotal		5,962.04
	Subtotal:	$ 55,645.72

GST:		
7% on subtotal		3,895.20
	Total:	$ 59,540.92

* Prorated by mandays spent on each claim group (70% on RDN 1-7).

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STATEMENT OF EXPENDITURES
RDN 9-10 CLAIMS
August 12-30, 1997

PROFESSIONAL FEES AND WAGES:		
Henry J. Awmack, P.Eng.		
9.88 days @ $425/day	$ 4,199.00	
Matt Henry, Senior Sampler		
13.0 days @ $275/day	3,575.00	
Nick Mitchell, Sampler		
9.0 days @ $225/day	2,025.00	$ 9,799.00
EQUIPMENT RENTAL: (Equity Engineering Ltd.)		
Generator, 1 kVA*		
4.8 days @ $10/day	$ 48.00	
Fly camp*		
23.4 mandays @ $25/manday	585.00	
Chainsaw*		
2.7 days @ $15/day	40.50	
Computer*		
4.8 days @ $15/day	72.00	745.50
CHEMICAL ANALYSES:		
295 soils (Au+Hg+32ICP) @ $15.43	$ 4,551.85	
31 rocks (Au+Hg+32ICP) @ $19.48	603.88	5,155.73
EXPENSES:		
Accommodation*	$ 83.82	
Aircraft Charters*	405.00	
Airfare*	864.14	
Airport Taxes*	5.80	
Automotive Fuel*	72.88	
Camp Food*	377.84	
Camp Supplies*	44.70	
Courier*	21.55	
Expediting*	139.02	
Fax Charges*	1.70	
Freight*	218.75	
Helicopter*	2,927.63	
Maps and Publications*	15.57	
Meals*	102.59	
Materials and Supplies*	434.03	
Printing and Reproductions*	192.20	
Radio Rental*	66.80	
Satellite Phone Rental*	254.11	
Taxis*	24.23	
Truck Rental*	566.32	
Telephone Distance Charges*	16.25	6,834.93
REPORT* (estimated):		1,800.00
	Subtotal:	$ 24,335.16

MANAGEMENT FEES:		
12% on subtotal		2,920.22
	Subtotal:	$ 27,255.38
GST:		
7% on subtotal		1,907.88
	Total:	$ 29,163.26

* Prorated by mandays spent on each claim group (30% on RDN 9-10).

APPENDIX C

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AK	ankerite	AS	arsenopyrite	AZ	azurite
BA	barite	BI	biotite	BO	bornite
BT	pyrobitumen	CA	calcite	CB	Fe-carbonate
CD	chalcedony	CL	chlorite	CP	chalcopyrite
CY	clay	EP	epidote	GE	goethite
GL	galena	GR	graphite	HE	hematite
HS	specularite	HZ	hydrozincite	JA	jarosite
KF	potassium feldspar	MC	malachite	MG	magnetite
MN	Mn-oxides	MR	mariposite/fuchsite	MS	sericite
MT	marcasite	NE	neotocite	PL	pyrolusite
PO	pyrrhotite	PY	pyrite	QV	quartz veining
RN	rhodonite	SB	stibnite	SI	silica
SP	sphalerite	SR	scorodite	TT	tetrahedrite

ALTERATION INTENSITY

m	moderate	s	strong	tr	trace
vs	very strong	w	weak		

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10477	UTM 6317510	N	UTM 401500	E	Strike Length Exp: 20	Metallics: 0.3%PY	<5	<.2	8	46
	Elevation 1120	m	Sample Width: 1	m	True Width: 2 m	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 096°/38° N		Bedding		Host : Argillite		30	12	2	102

Comments: Bedded in creek north side of outcrop. Looks like possible contact. Below felsic or cherty argillite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10478	UTM 6317570	N	UTM 401540	E	Strike Length Exp: 15	Metallics: 10%PY	<5	<.2	10	31
	Elevation 1125	m	Sample Width: 1	m	True Width: 5 m	Secondaries: sGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Diorite		10	2	<2	120

Comments: Just above sample 010477.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10479	UTM 6317395	N	UTM 401360	E	Strike Length Exp: 10	Metallics: trGL	<5	1.2	38	30
	Elevation 1220	m	Sample Width: 1	m	True Width: 1 m	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic outcrop		240	410	<2	2610

Comments: Canary yellow limonite on rock, probably a lead oxide. Above creek on gully side, steep. Sliver of felsic volcanics in wide fault zone with abundant black argillite subcrop.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10480	UTM 6317515	N	UTM 401520	E	Strike Length Exp: 5	Metallics: trGL,trPO,trPY	<5	<.2	2	29
	Elevation	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Diorite		20	320	<2	508

Comments: In contact with argillite at sample location.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10481	UTM 6317515	N	UTM 401540	E	Strike Length Exp:	Metallics: trCP,trGL,trPO,trPY	<5	<.2	4	42
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Diorite		<10	62	<2	182

Comments: Just below 010480. Trace chalcopyrite is vein-related. Black crystal around pyrrhotite in calcite vein. Stockwork.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCA,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10482	UTM 6317700	N	UTM 401760	E	Strike Length Exp:	Metallics: ?AS,trCP,trGL,trPO,0.3%	<5	<.2	34	42
	Elevation 1115	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		<10	78	<2	308

Comments: In creek just below outcrop. Brecciated felsic/argillite boulder.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: mCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10483	UTM 6316755	N	UTM 401285	E	Strike Length Exp:	Metallics: trCP,0.2%PY	<5	<.2	6	36
	Elevation 1095	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Greywacke		<10	<2	<2	38

Comments: Just northwest of main gossan on baseline at bend in small creek gully. Sparce calcite veining.

Sample Number:	Grid North:		Grid East:		Type: Float	Alteration: 1%QV,mKF	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10484	UTM 6316525	N	UTM 400740	E	Strike Length Exp:	Metallics: trGL,trSP?,trTT?	<5	89.0	710	1980
	Elevation 1360	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sAZ,wGE,sMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Siliceous felsic?		11700	4810	222	1500

Comments: Very close to source - large angular boulder close to outcrop right where bowl turns into gully.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: sCA,mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10485	UTM 6316275	N	UTM 401045	E	Strike Length Exp: 5	Metallics:	<5	2.0	76	75
	Elevation 1130	m	Sample Width: 1	m	True Width: 3 m	Secondaries: mGE,wHE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Diorite		120	36	12	674

Comments: Quartz veinlet stockwork.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: mCB	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10486	UTM 6316530	N	UTM 400675	E	Strike Length Exp: 50	Metallics:	<5	0.2	6	20
	Elevation 1400	m	Sample Width: 50	cm	True Width: 25 cm	Secondaries: wAZ,wGE,wMC,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		180	64	4	384

Comments: Manganese stain on cliffs above sample 010484. Hard to get to - couldn't find any more close by.

Sample Number:	Grid North:		Grid East:		Type: Grab	Alteration: QV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10487	UTM 6316040	N	UTM 400480	E	Strike Length Exp: 25	Metallics: 1%GL	170	434g/t	698	4970
	Elevation 1275	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mAZ,wGE,wJA,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		8210	1.24%	2310	6980

Comments: Above on strike with Mark's showing at Cole Creek up on ledge about 15m up. Breccia with subrounded quartz vein fragments. Sulphides in matrix.

Sample Number:	Grid North:		Grid East:		Type: Select	Alteration: QZ,ST	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10488	UTM 6316040	N	UTM 400480	E	Strike Length Exp: 25-50	Metallics: GL	395	287g/t	1785	4950
	Elevation 1280	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wAZ,wGE,wJA,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		34600	6270	1620	2630

Comments: 5m up strike from sample 010487.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10489	UTM 6315980	N	UTM 402480	E	Strike Length Exp:	Metallics: 0.5%GL,0.1%PY,1%SP,tr	<5	5.0	20	258
	Elevation 1550	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE,sHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Siltstone		13500	4780	18	3.00%

Comments: Black siltstone. Fault related. At base of very large cliff left side of small bowl surrounded by dense green andesite? Sparce calcite stringers. Light green (vanadium?) oxide.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10490	UTM 6315600	N	UTM 402350	E	Strike Length Exp: 25+	Metallics: 0.1%PY,0.5%SP	<5	4.6	56	353
	Elevation	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 066°/88° NW		Bedding		Host : Siltstone		4230	70	6	2.43%

Comments: Two faults approximately 5m apart. Maybe one big one. Each 1m wide. Very similar to sample 10489 about 300-400m away - north - in next bowl.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10491	UTM 6315580	N	UTM 402350	E	Strike Length Exp: 25+	Metallics: 0.1%PY,0.3%SP	10	1.8	124	209
	Elevation	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 066°/88° NW		Bedding		Host : Siltstone		3990	52	<2	2.91%

Comments: Excellent showing, same as above. Hydrozincite from white to green in colour.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10492	UTM 6315540	N	UTM 402350	E	Strike Length Exp: 3	Metallics: trGL,0.3%PY,trSP	10	0.8	32	90
	Elevation 1500	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: wGE,wHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Bedding		Host : Siltstone		220	44	<2	406

Comments: About 50m - south - of 010490 - 010491 in Rockfall Alley, very interesting indeed. Different rock - hard to break.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: SI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
10493	UTM 6316260	N	UTM 401110	E	Strike Length Exp:	Metallics: trGL	<5	245g/t	424	1790
	Elevation	m	Sample Width: 75	cm	True Width: 75 cm	Secondaries: mAZ,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		42100	48	246	614

Comments: 100m below fork on north side of creek, large float boulder.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mKF,sSI,mBT	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108532	UTM 6314605	N	UTM 400440	E	Strike Length Exp:	Metallics: 4%PY,trTT?	10	11.6	380	17
	Elevation 1175	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : K feldspar altered felsic volcanics		2590	284	106	194

Comments: Two local 40X70cm boulders. Chalcedonic breccia, good colloform bands, stringers of bitumen, patchy fine-grained pyrite +/- grey sulfide and/or marcasite. Outcrop in area of altered felsic with some stockwork.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?KF,sQZ,sSI,20%BA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108533	UTM 6314505	N	UTM 400245	E	Strike Length Exp: 3	Metallics: 15%PY	10	2.0	16	8
	Elevation 1150	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic crystal tuff/feldspar porphyry		1510	<2	10	30

Comments: Marcasite gossan. Pyrite, marcasite, silica, quartz stockwork in dacite crystal tuff-feldspar porphyry. Adjacent to Noranda grid 7275N 9925E. Black carbonaceous stockwork with 15-20% marcasite and 20% 1-10mm coarse tabular barite crystals.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108534	UTM 6314570	N	UTM 400240	E	Strike Length Exp: 100	Metallics: 1%PY	<5	<.2	12	6
	Elevation 1140	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 010°/50° W		Bedding		Host : Black carbonaceous siltstone		250	2	4	112

Comments: Siltstone and volcanic sandstone. Erosional unit on Marcasite Gossan, also contains belemnites.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108535	UTM 6314425	N	UTM 400285	E	Strike Length Exp:	Metallics: trPY	<5	<.2	44	14
	Elevation 1180	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Black siliceous mudstone-sandstone		160	4	<2	136

Comments: 30X40X30cm subangular boulder. Black siliceous carbonaceous mudstone with sharp and disseminated beds of 0.1-1mm sand grains comprised of chalcedonic quartz fragments. Pyrite as fine grains with chalcedonic grains. Eroded stockwork feeder?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108536	UTM 6314420	N	UTM 400305	E	Strike Length Exp: 5	Metallics: trPY	<5	<.2	32	26
	Elevation 1190	m	Sample Width: 1000	cm	True Width: 600 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 348°/38° E		Bedding		Host : Black carbonaceous siltstone		420	6	2	312

Comments: Grab over 10m, black carbonaceous, locally graphitic, local grey-altered ash tuff beds and traces of 1-2mm bands of massive pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108537	UTM 6314420	N	UTM 400305	E	Strike Length Exp: 0.5	Metallics: trPY	<5	<.2	44	26
	Elevation 1190	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 340°/40° E		Bedding		Host : Light grey clay alt'd ash tuff		470	14	<2	88

Comments: Two discrete beds in argillite, likely ash tuff clay-altered/weathering. Note trace pyrite. These ash layers 40cm beneath sample 108538.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108538	UTM 6314420	N	UTM 400305	E	Strike Length Exp: 1 m	Metallics: 40%PY	<5	0.6	138	69
	Elevation 1190	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 348°/05° E		Bedding		Host : Argillaceous mudstone		1090	6	2	274

Comments: 0.5m interval of carbonaceous mudstone with 4-5 discrete 3-5mm continuous laminae of fine-grained massive pyrite. Looks syngenetic.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA,wCL,mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108539	UTM 6314340	N	UTM 400485	E	Strike Length Exp: >25 m	Metallics: 2%PY	<5	<.2	<2	39
	Elevation 1280	m	Sample Width: 400	cm	True Width: 200 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 010°/22° E		Bedding		Host : Amygdaloidal pillowed andesite/basalt		<10	<2	<2	58

Comments: Very well developed pillows. 10-15% 1-3mm and rare >1cm amygdules often filled with quartz +/- calcite, chlorite. Groundmass is silicified; fine-grained pyrite mainly in amygdules.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA,wQV,sAK,trMR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108540	UTM 6314895	N	UTM 401130	E	Strike Length Exp: 2	Metallics: 3%PY	<5	<.2	26	80
	Elevation 1290	m	Sample Width: 250	cm	True Width: 250 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 072°/80° W		Vein		Host : Mixed andesite argillite sandstone-tuff		90	<2	<2	62

Comments: Intense altered possible shear zone. Mainly ankerite and minor fuchsite with bands and sheared bands of black argillite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108541	UTM 6315855	N	UTM 400590	E	Strike Length Exp: 20	Metallics: 2%PY	<5	0.6	28	11
	Elevation 1170	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 087°/81° S		Bedding		Host : see comments		120	10	<2	36

Comments: Host Rock: Black friable mudstone with pyritic ash layers
Over 3m thickness 1-3cm ash tuff (?) layers with disseminated pyrite. Sample is grab of pyritic ash material.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108542	UTM 6316015	N	UTM 400555	E	Strike Length Exp:	Metallics: 1%sulphosalt	<5	60.6	254	967
	Elevation 1250	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wAZ,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Heterogenous dacite breccia tuff		1210	1430	340	2230

Comments: Mineralization very local concentrated in lapilli tuff on margin of a 40cm block of aphanitic dacite. Similar mineralization rare.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108543	UTM 6316010	N	UTM 400530	E	Strike Length Exp:	Metallics: 7%GL,5%SP	430	131g/t	32	57
	Elevation 1220	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE,wMN,wHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz stockwork in silicified volcanic		8890	3.13%	46	2.81%

Comments: Pervasive silicification, texture destructive and subparallel stockwork with 1-3mm vuggy/drusy quartz. Sphalerite and galena as irregular medium crystaline masses. Very angular. *Must be from dacite immediately above.*

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQV,sBA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108544	UTM 6316010	N	UTM 400530	E	Strike Length Exp:	Metallics: 1%? AS,3%PY	<5	5.0	106	8
	Elevation 1220	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA,sSR?	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Baritic carbonaceous vein?		190	96	14	78

Comments: 10X15cm angular cobble. May be vein: black carbonaceous, likely crystalized barite with minor pyrite, possible arsenopyrite. Cobble coated in yellow oxide scorodite. Assayed 3.0% barite.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?KF,sAK,mBA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108545	UTM 6316010	N	UTM 400530	E	Strike Length Exp:	Metallics: 1%GL,2%SP,?TT	<5	16.2	26	59
	Elevation 1220	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Brn dacite crystal lapilli tuf		1280	658	30	1180

Comments: Typical ankerite altered. Felsic lapilli. Traces of disseminated sphalerite and galena. Groundmass is locally altered to bright green amorphous mineral, possibly barium mica. Assayed 0.4% barite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108546	UTM 6316035	N	UTM 400470	E	Strike Length Exp: 15	Metallics: 2%GL,3%SP,?sulphosalt	540	272g/t	46	88
	Elevation 1240	m	Sample Width: 120	cm	True Width: 110 cm	Secondaries: wGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 068°/65° S		Vein		Host : Intense sil'd volc vein quartz		14700	5440	84	2560

Comments: Steen vein. Mottled vein quartz. Translucent, locally vuggy. Shows local crackling. Sulphides as patchy crystaline aggregates. 3 continuous chips 108546-108548.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108547	UTM 6316035	N	UTM 400470	E	Strike Length Exp: 15	Metallics: 15%GL,10%SP,?TT	100	437g/t	60	301
	Elevation 1240	m	Sample Width: 60	cm	True Width: 25 cm	Secondaries: wGE,sMN,SR	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 068°/65° S		Vein		Host : Quartz-sulphide vein		>100000	11.65%	88	4.33%

Comments: Steen vein. At core of 2.1m thick vein, flanked by samples 108546 and 108548.
Curvy banded massive bands of crystaline sphalerite and galena in quartz gangue. Possible tetrahedrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCA,sQZ,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108548	UTM 6316035	N	UTM 400470	E	Strike Length Exp: 15	Metallics: 1%GL,1%SP	125	231g/t	24	100
	Elevation 1240	m	Sample Width: 80	cm	True Width: 65 cm	Secondaries: sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 068°/65° S		Vein		Host : Intensely silicified volcanic vein quartz		5550	3270	92	2790

Comments: Steen vein. Very similar to 108546. Note some blue chalcedonic quartz.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108549	UTM 6316505	N	UTM 400220	E	Strike Length Exp: 1	Metallics: 4%PY,?TT	<5	2.0	58	17
	Elevation 1475	m	Sample Width: 0	cm	True Width:	Secondaries: wAZ,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Intense clay altered dacite porphyry		580	180	8	156

Comments: 1cm pyritic stringer in porphyry. Unit is cut by numerous limonitic fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
108550	UTM 6316485	N	UTM 400220	E	Strike Length Exp:	Metallics: 7%PY	<5	0.4	194	42
	Elevation 1470	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : PY stockwk in clay altd porphyry		760	22	26	116

Comments: Near sheared contact, good pyritic stockwork and crackle breccia (must have fractured prior to clay alteration). 20m downstream from 108549.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230801	UTM 6316310	N	UTM 400995	E	Float	mEP,sQV	15	13.2	38	20
	Elevation 1150	m	Sample Width: 0	cm	Strike Length Exp:	Metallics: 3-5%GL,2-3%SP	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				True Width: 0 cm	Secondaries: wHE,mHZ	2860	3.58%	6	6.57%
					Host : Volcanic					

Comments: Taken in float on Contact Creek just above porphyry/argillite contact.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230802	UTM 6316265	N	UTM 401067	E	Grab	sCB	<5	<.2	16	39
	Elevation 1120	m	Sample Width: 5	cm	Strike Length Exp: 0.15 m	Metallics: trGL?,1-2%PY,trTT?	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 110°/90°		Vein		True Width: 5 cm	Secondaries: wHE	300	138	<2	1820
					Host : Argillite					

Comments: Calcite stringer in argillite outcrop on contact creek.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230803	UTM 6314530	N	UTM 400230	E	Grab	sCL?,mQV	<5	1.0	1165	21
	Elevation 1145	m	Sample Width: 50	cm	Strike Length Exp: >50	Metallics: 7-10%PY	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				True Width: 50 cm	Secondaries: mGE	3110	64	186	76
					Host : Volcanic					

Comments: Taken on lower exposure of Marcasite Gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230804	UTM 6314585	N	UTM 400242	E	Grab	sCL?,wQV	<5	1.8	644	23
	Elevation 1145	m	Sample Width: 500	cm	Strike Length Exp: >50	Metallics: 7-10%PY	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				True Width: 500 cm	Secondaries: sGE,sMN	1180	20	38	70
					Host : Volcanics					

Comments: Taken 50m north of 230803 at lower exposure of Marcasite Gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230805	UTM 6314560	N	UTM 400347	E	Grab	sSI	10	24.6	268	46
	Elevation 1180	m	Sample Width: 100	cm	Strike Length Exp:	Metallics: 1-2%PY	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				True Width: 100 cm	Secondaries: mGE,mJA	1350	192	42	1390
					Host : Volcanic					

Comments: Taken above 230804 and lower Marcasite Gossan at base of main knob. Large fragments of glassy quartz in outcrop.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230806	UTM 6314535	N	UTM 400370	E	Grab	sSI	10	22.4	352	29
	Elevation 1200	m	Sample Width: 50	cm	Strike Length Exp: 2	Metallics: 1-2%PY	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				True Width: 50 cm	Secondaries: sGE,sJA	3390	274	96	50
					Host : Volcanic					

Comments: Taken upslope and to the north of main gossan.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230807	UTM 6314920	N	UTM 401105	E	Strike Length Exp: 5-7	Metallics: 3-5%PY	<5	0.6	24	84
	Elevation	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanic		80	30	2	26

Comments: Taken up first gully on north end of series of gullies north of Marcasite Gossan.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB,sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230808	UTM 6314905	N	UTM 401110	E	Strike Length Exp: 5	Metallics: 3-5%PY	<5	<.2	10	16
	Elevation 1320	m	Sample Width: 600	cm	True Width: 600 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 055°/20° SE		Bedding		Host : Black shale		110	6	2	68

Comments: North of Marcasite Gossan up small creek gully. 20-30m above 230807.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB,mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230809	UTM 6314905	N	UTM 401110	E	Strike Length Exp:	Metallics: 3-5%PY	<5	<.2	6	14
	Elevation 1320	m	Sample Width: 600	cm	True Width: 600 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 055°/20° SE		Bedding		Host : Black shale		120	8	2	48

Comments: Same zone as 230808. Sample from top half of zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB,mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230810	UTM 6314850	N	UTM 401017	E	Strike Length Exp:	Metallics: 1-2%PY	<5	<.2	6	7
	Elevation 1300	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Black shale		60	2	<2	42

Comments: Float taken in next gully south of 230808 and 230809. Same material as 230808 and 230809.

Sample Number:	Grid North: 4800	N	Grid East: 1065	E	Type: Grab	Alteration: sCB,mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230811	UTM 6314825	N	UTM 400967	E	Strike Length Exp: 15	Metallics: 1-2%PY	<5	<.2	10	39
	Elevation 1275	m	Sample Width: 200	cm	True Width: 200 cm	Secondaries: wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Tuff		<10	<2	<2	74

Comments: Taken in second gully south of 230808 gully. North east of Marcasite Gossan. Taken 10-15m downslope from high geochemistry at 4800N 1075E.

Sample Number:	Grid North: 4800	N	Grid East: 1080	E	Type: Grab	Alteration: sCB,wQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230812	UTM 6314815	N	UTM 401020	E	Strike Length Exp: 2	Metallics: 2-3%PY	<5	<.2	<2	7
	Elevation 1295	m	Sample Width: 150	cm	True Width: 150 cm	Secondaries: wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 040°/35° SE		Vein		Host : Volcanics		<10	4	<2	28

Comments: Taken on top of ridge between first and second gully south of 230808 gully. Just above high geochem 4800N 1075E. Looks similar to 230808.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230813	UTM 6314840	N	UTM 401002	E	Strike Length Exp:	Metallics: 2-3%PY	30	0.2	296	287
	Elevation 1285	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanic		40	6	2	34

Comments: Taken just north of 230812 on south side of second gully.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCL	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230814	UTM 6316435	N	UTM 400165	E	Strike Length Exp: 5	Metallics: 1-2%PY	<5	<.2	58	34
	Elevation 1450	m	Sample Width: 200	cm	True Width: 200 cm	Secondaries: sGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanic		<10	<2	<2	44

Comments: Taken near argillite contact on north side of Cole Creek between upper forks.

Sample Number:	Grid North: 1465	N	Grid East:		Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230815	UTM 6316460	N	UTM 400157	E	Strike Length Exp: >20	Metallics: trPY	<5	<.2	170	20
	Elevation 1465	m	Sample Width: 100	cm	True Width: 100 cm	Secondaries: sGE,sJA,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 175°/55° SW				Host : Black argillite		660	2	<2	188

Comments: Taken 10m above 230814 on argillite contrast.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB,sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230816	UTM 6316545	N	UTM 400020	E	Strike Length Exp: 5	Metallics: 1-2%PY	15	0.2	4	40
	Elevation 1480	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: sGE,sJA,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Feldspar porphyry		<10	26	<2	176

Comments: Taken in upper main south fork of Cole Creek. Just above argillite contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB,mCL,sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230817	UTM 6316090	N	UTM 400560	E	Strike Length Exp: >20	Metallics: 5-7%PY	<5	<.2	48	33
	Elevation 1265	m	Sample Width: 500	cm	True Width: 500 cm	Secondaries: mGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 120°/30° NW				Host : Volcanics		280	2	<2	54

Comments: Taken up main Cole Creek on north side. Right beside creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB,sCL,mCY,mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230818	UTM 6316107	N	UTM 400340	E	Strike Length Exp: >20	Metallics: 10-15%PY	<5	<.2	136	59
	Elevation 1275	m	Sample Width: 1000	cm	True Width: 1000 cm	Secondaries: sGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 300°/30° N				Host : Volcanics		780	<2	<2	64

Comments: Same zone as 230817. Sample upper section. Less chalcedony stringers than in lower section.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number	Grid North:		Grid East:		Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230819	UTM 6316440	N	UTM 400110	E	Strike Length Exp: 0.15 m	Metallics: 100%PY	<5	0.2	120	114
	Elevation 1425	m	Sample Width: 5	cm	True Width: 5 cm	Secondaries: wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 180°/90°		Bedding		Host : Argillite		90	2	2	80

Comments: Taken up top south fork of Cole Creek. Lots of these pyrite stringers in the argillite here, mostly 1-2cm wide.

Sample Number	Grid North:		Grid East:		Type: Grab	Alteration: mCB,sCL	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230820	*UTM 6316620*	*N*	*UTM 399970*	*E*	*Strike Length Exp: >25*	*Metallics: 1-2%PY*	<5	<.2	<2	10
	Elevation 1510	m	Sample Width: 500	cm	True Width: 500 cm	Secondaries: sGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		10	58	<2	122

Comments: Taken in gossan zone in upper south fork of Cole Creek.

Sample Number	Grid North:		Grid East:		Type: Float	Alteration: sCB,sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230821	UTM 6316210	N	UTM 400230	E	Strike Length Exp:	Metallics: <1%HS	<5	<.2	<2	85
	Elevation 1315	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : ?Felsic volcanics		<10	<2	<2	80

Comments: Taken in main Cole Creek. Chalcedony banding.

Sample Number	Grid North:		Grid East:		Type: Float	Alteration: sCL,sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230822	UTM 6315890	N	UTM 400305	E	Strike Length Exp:	Metallics: 7-10%PY	<5	0.2	42	40
	Elevation 1310	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz		510	42	10	44

Comments: Taken up lowest south tributary of Cole Creek.

Sample Number	Grid North:		Grid East:		Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230823	UTM 6315915	N	UTM 400220	E	Strike Length Exp: 15-20	Metallics: >1%HS,2-3%PY	<5	6.4	160	70
	Elevation 1355	m	Sample Width: 100	cm	True Width: 100 cm	Secondaries: sGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		870	430	42	248

Comments: Taken at top end of first gully south of Cole Creek.

Sample Number	Grid North:		Grid East:		Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230824	UTM 6315900	N	UTM 400215	E	Strike Length Exp: 15-20	Metallics: 2-3%HS,1-2%PY	<5	7.6	94	28
	Elevation 1355	m	Sample Width: 300	cm	True Width: 300 cm	Secondaries: sGE,sHE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		420	72	16	96

Comments: Taken 5m south of 230823 in same zone.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230825	UTM 6315897	N	UTM 400203	E	Strike Length Exp: 15-20	Metallics: 2-3%HS,1-2%PY	<5	2.4	60	23
	Elevation 1360 m		Sample Width: 300 cm		True Width: 300 cm	Secondaries: sGE,sHE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		940	192	14	126

Comments: Taken at south end of exposed zone 7m south of 230824. Top end of first gully south of Cole Creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL,mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230826	UTM 6315460	N	UTM 400420	E	Strike Length Exp: 3	Metallics:	<5	2.4	14	53
	Elevation 1175 m		Sample Width: 100 cm		True Width: 100 cm	Secondaries: mHE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		320	10	16	64

Comments: Bluish chalcedony stringers and pods. Taken up third gully south of Cole Creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230827	UTM 6315435	N	UTM 400395	E	Strike Length Exp: 6	Metallics: 2-3%PY	<5	0.2	74	41
	Elevation 1210 m		Sample Width: 400 cm		True Width: 400 cm	Secondaries: sGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		1570	78	24	888

Comments: Taken up third gully south of Cole Creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230828	UTM 6317035	N	UTM 401465	E	Strike Length Exp:	Metallics: 1%HS,trPY	<5	<.2	4	7
	Elevation m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: wHE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		10	2	<2	28

Comments: Taken above camp in gully in soil anomaly area.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230829	UTM 6317080	N	UTM 401440	E	Strike Length Exp:	Metallics: >1%HS,<1%PY	<5	<.2	42	166
	Elevation 1105 m		Sample Width: 0 cm		True Width: 0 cm	Secondaries: mGE,mHE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Volcanics		70	10	<2	62

Comments: Taken above 230828 in same gully.

Sample Number:	Grid North: 6495	N	Grid East: 1335	E	Type: Float	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230851	UTM 6316635	N	UTM 401190	E	Strike Length Exp:	Metallics: 30%PY	<5	<.2	12	14
	Elevation 1085 m		Sample Width: 15 cm		True Width: 0 cm	Secondaries: sGE,wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic conglomerate		240	2	<2	6

Comments: Argillized heterogenous felsic clasts with parallel long axes (bedded) in grey pyrite-clay matrix.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCL,sKF,15%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230852	UTM 6316705	N	UTM 400935	E	Strike Length Exp:	Metallics:	<5	<.2	<2	1
	Elevation 1200	m	Sample Width: 5	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Stockwork in fine-grained volcanic		<10	<2	<2	6

Comments: 5X10X15cm cobble. No similar float nearby; may be transported long way. Red and green volcanic cut by three generations of irregular stringers: (1) 1-3cm long 1mm wide dark quartz, (2) 1-3mm wide dark quartz, (3) vuggy 3-15mm wide white quartz.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sKF	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230853	UTM 6316395	N	UTM 400870	E	Strike Length Exp:	Metallics:	5	<.2	12	27
	Elevation 1230	m	Sample Width: 5	cm	True Width: 0 cm	Secondaries: mGE,wHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Feldspar porphyry		50	<2	<2	138

Comments: 5X10X10cm cobble in Contact Creek. 20% 4mm feldspar phenocrysts (white) in pinkish matrix. Sleaves of radiating bladed silvery crystals (black streak) on irregular limonitic fractures. Appears to be secondary mineral, since only found on goelithic fractures. Sample from 2 similar cobbles.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 95%QZ,wGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230854	UTM 6316395	N	UTM 400880	E	Strike Length Exp:	Metallics: trGL,2%SP	10	16.0	14	86
	Elevation 1220	m	Sample Width: 15	cm	True Width: 0 cm	Secondaries: wGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz-sulphide vein		110	3970	28	1.57%

Comments: 15X20X20cm cobble in Contact Creek. Grey quartz cut by numerous black and brown hairline fractures. A few specks galena and clots of pale green sphalerite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 95%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230855	UTM 6316420	N	UTM 400860	E	Strike Length Exp:	Metallics: <1%GL,1%SP,trTT?	40	7.6	12	37
	Elevation 1315	m	Sample Width: 50	cm	True Width: 0 cm	Secondaries: mGE,sMN,trHZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz-sulphide vein		3380	4930	10	1.71%

Comments: Angular 50X70X70cm boulder. Light grey to medium grey quartz has been brecciated with infill by cream-coloured quartz. Fine-grained galena and plae grey sphalerite clots in clusters and along hairline fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 95%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230856	UTM 6316430	N	UTM 400855	E	Strike Length Exp:	Metallics: trPY,trTT	<5	30.8	504	1525
	Elevation 1320	m	Sample Width: 40	cm	True Width: 0 cm	Secondaries: trAZ,trMC,sMN,trSR	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz-sulphide vein		3110	250	200	1010

Comments: Angular 40X40X40cm boulder in terminal moraine (?). Light grey mottled quartz cut by manganese-stained fractures, some with minor tetrahedrite. One pyrite stringer.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mKF,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230857	UTM 6316445	N	UTM 400823	E	Strike Length Exp: 5	Metallics: trGL	<5	0.4	12	20
	Elevation 1340	m	Sample Width: 100	cm	True Width: 100 cm	Secondaries: mGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic lithic tuff		90	66	6	1110

Comments: 20m south of Contact Creek. Light grey. Small (3mm) lapilli. Rare specks of galena. Quartz-galena-sphalerite vein float nearby.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 95%QZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230858	UTM 6316462	N	UTM 400780	E	Strike Length Exp:	Metallics: trGL,trSP	2.47g/t	28.4	106	142
	Elevation 1380	m	Sample Width: 50	cm	True Width: 0 cm	Secondaries: trAZ,mGE,trMC,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz-sulphide veins		3290	2870	34	9540

Comments: Three nearby angular boulders in boulder field - frost heave? Light grey to cream-coloured quartz. Manganese-coated fractures. Pale green sphalerite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sBI?,QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230901	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	5	16.0	48	128
	Elevation	m	Sample Width: 300	cm	True Width: 280 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 065°/68° SE				Host : Felsic (altered)		870	1075	46	1460

Comments: Chalcedonic milky quartz in a felsic altered host rock. Sulphides are disseminated. 230901 to 230907 form continuous series of chip samples to south-east of Steen Vein; 230901 adjacent to 108546.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sBI?,QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230902	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	7.0	36	46
	Elevation	m	Sample Width: 300	cm	True Width: 280 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic (altered)		530	840	16	1400

Comments: Same as 230901.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230903	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	30.0	44	111
	Elevation	m	Sample Width: 300	cm	True Width: 300 cm	Secondaries: AZ	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic (altered)		1820	482	38	1315

Comments: Same as 230901.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sBI,QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230904	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	19.8	78	308
	Elevation	m	Sample Width: 300	cm	True Width: 300 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic (altered)		940	968	96	1920

Comments: Same as 230901.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sBI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230905	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	37.0	30	34
	Elevation	m	Sample Width: 300	cm	True Width: 300 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		4100	636	14	1760

Comments: As you travel to the east on the outcrop, the stockwork becomes less, accompanied by less intense alteration.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mBl	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230906	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	1.4	14	7
	Elevation m		Sample Width: 220 cm		True Width: 220 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		190	812	2	1755

Comments: The stockwork and alteration are cut off to the east by a fault?

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sBl	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230907	UTM 6316025	N	UTM 400470	E	Strike Length Exp:	Metallics:	<5	5.6	44	15
	Elevation m		Sample Width: 200 cm		True Width: 200 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic rock		300	392	8	1935

Comments: Altered felsic, with blebs of quartz.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230908	UTM 6316065	N	UTM 400520	E	Strike Length Exp:	Metallics:	75	38.4	98	155
	Elevation m		Sample Width: 200 cm		True Width: 200 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Vein		Host : Felsic		2490	690	58	5510

Comments: Soft rock porous weathering on surface. Wallrock to northwest of Steen Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230909	UTM 6316065	N	UTM 400520	E	Strike Length Exp:	Metallics:	<5	19.6	66	55
	Elevation m		Sample Width: 250 cm		True Width: 240 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		710	306	20	1500

Comments: Chip sample to northwest of 230908. Seems to be altered but not as strongly as the rock to the east.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
230910	UTM 6316080	N	UTM 400520	E	Strike Length Exp:	Metallics:	10	53.8	98	90
	Elevation m		Sample Width: 124 cm		True Width: 124 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic		2600	226	24	1230

Comments: Includes narrow quartz vein. Chip sample to northwest of 230910.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358493	UTM 6313385	N	UTM 400215	E	Strike Length Exp: 15	Metallics: 3%PY	<5	<.2	10	38
	Elevation 1290 m		Sample Width: 1000 cm		True Width: 600 cm	Secondaries: mGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 042°/46° SE		Bedding		Host : Black pyritic carbonaceous calcareous argillite		40	10	<2	168

Comments: Well bedded interbedded siliceous argillite; limy mudstone and minor finely laminated white clay altered ash? often with very fine pyrite. Also local 2-10mm semi-massive very fine pyrite laminae. Sample rough chip over whole exposure.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA,wCL	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358494	UTM 6313520	N	UTM 400405	E	Strike Length Exp: 20	Metallics:	<5	<.2	<2	63
	Elevation 1385		Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Massive medium-grained basalt		<10	<2	<2	62

Comments: Massive. May be single flow unit or feeder dyke. Compare to 358495. Whole rock sample.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358495	UTM 6313540	N	UTM 400360	E	Strike Length Exp:	Metallics:	<5	<.2	<2	76
	Elevation 1400	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Fine-grained pillow basalt		<10	<2	<2	48

Comments: Contrasts with Marcasite Gossan basalt in that this is not amygdaloidal. >120m thickness of well formed pillow basalts. Whole rock sample.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCY,?KF,sMS,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358496	UTM 6313970	N	UTM 401330	E	Strike Length Exp:	Metallics: 15%PY	<5	<.2	4	32
	Elevation 1110	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic lapilli tuff or fragmental shear (?)		10	18	2	112

Comments: Fine pyritic matrix supporting 1-5cm altered feldspar porphyry fragments. May be lapilli unit or pyritic shear zone with inclusions of porphyry.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCY,?KF,sMS,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358497	UTM 6317025	N	UTM 400890	E	Strike Length Exp:	Metallics: 7%PY	<5	<.2	10	12
	Elevation 1310		Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Feldspar dacite porphyry		450	2	<2	4

Comments: Red oxide on fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
358498	UTM 6317280	N	UTM 400830	E	Strike Length Exp:	Metallics: 3%HS	<5	<.2	<2	10
	Elevation 1320	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Unaltered dacite feldspar porphyry		<10	<2	<2	84

Comments: Abundance of unaltered feldspar porphyry boulders from north bank. Texturally identical to altered porphyry in creek. Feldspar megacrysts still pink, plagioclase very weakly sericite altered. Hematite in the groundmass and as inclusions in K-feldspar. Whole rock and petrographic description.

Sample Number:	Grid North: 1915	N	Grid East: 950	E	Type: Float	Alteration: vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3816	UTM 6323470	N	UTM 0399390	E	Strike Length Exp:	Metallics:	4.05g/t	7.4	<2	24
	Elevation 645	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE,wMN?	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Quartz vein		90	82	<2	4

Comments: More Grid. 40X40X50cm boulder. White to cream coloured quartz, locally vuggy/drusy. Fine black (manganese stained?) fractures and patches.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 1850 N	Grid East: 900 E	Type: Float	Alteration: wMS,mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3817	UTM 6323390 N	UTM 0399360 E	Strike Length Exp:	Metallics: trCP,trSP	5	0.2	<2	33
	Elevation 575 m	Sample Width: 20 cm	True Width: 0 cm	Secondaries: wGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic		20	12	<2	522

Comments: *More Grid. Rare quartz eyes. Waxy green from sericite/silica alteration. Original textures obscured. Manganese +/- goethite on irregular fractures, accompanied by very fine-grained sphalerite(?) and rare clusters of very fine-grained chalcopyrite. 20X30X50cm boulder in soil pit.*

Sample Number:	Grid North: 1800 N	Grid East: 900 E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3818	UTM 6323340 N	UTM 0399380 E	Strike Length Exp: 5	Metallics: trPY,trSP?	<5	0.6	20	62
	Elevation 605 m	Sample Width: 120 cm	True Width: 120 cm	Secondaries: wGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Feldspar-phyric felsic rock		40	10	<2	266

Comments: More Grid. Grey-green. Fresh 4mm feldspar phenocrysts. Rare fine-grained pyrite (and very fine-grained sphalerite?) on goethite-manganese stained fractures.

Sample Number:	Grid North: 1750 N	Grid East: 900 E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3819	UTM 6323300 N	UTM 0399380 E	Strike Length Exp: 1.5	Metallics: trSP	<5	1.0	<2	58
	Elevation 630 m	Sample Width: 100 cm	True Width: 100 cm	Secondaries: wGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic lithic crystal tuff		50	466	<2	1220

Comments: More Grid. Grey-brown. Granular. Quartz and feldspar crystals. Very fine-grained black sulphide (or manganese coated crystals) on irregular fractures with goethite.

Sample Number:	Grid North: 2005 N	Grid East: 945 E	Type: Float	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3820	UTM 6323557 N	UTM 0399355 E	Strike Length Exp:	Metallics: trPY	200	3.2	2	26
	Elevation 530 m	Sample Width: 40 cm	True Width: 0 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Quartz vein/silicified felsic		50	54	2	70

Comments: More Grid. 3m uphill from sample 626741 (Baseline showing). Cream coloured intense silicification with patches and fracture fillings of black very fine-grained sulphide, very fine-grained pyrite and manganese stain.

Sample Number:	Grid North: 2155 N	Grid East: 1005 E	Type: Float	Alteration: vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3821	UTM 6323715 N	UTM 0399360 E	Strike Length Exp:	Metallics: trCP,trGL,trSP	1.51g/t	8.0	8	1375
	Elevation 560 m	Sample Width: 15 cm	True Width: 0 cm	Secondaries: wGE,wHE,trMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Quartz vein breccia		240	364	<2	1060

Comments: Two subrounded boulders in tree roots. Light grey quartz or intense pervasive silicification, with clots and fracture-fillling chalcopyrite, galena, sphalerite. May have rolled from Main Zone?

Sample Number:	Grid North: 2200 N	Grid East: 1000 E	Type: Float	Alteration: trQV,mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3822	UTM 6323755 N	UTM 0399350 E	Strike Length Exp:	Metallics:	<5	0.2	<2	9
	Elevation 560 m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: mGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic lithic crystal tuff		10	66	<2	506

Comments: More Grid. Block in soil pit. Black from manganese stain and very fine-grained sulphides?

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3823	UTM 6322850	N	UTM 0399680	E	Strike Length Exp:	Metallics: 1%CP,2%PY,1%SP	2.16g/t	32.0	16	2920
	Elevation 700	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: sGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Grey felsic		2080	2200	2	4290

Comments: More Grid. At Adrian grid location 7975E 15425N (GEM Showing). 2cm quartz-carbonate vein with fine-grained sulphides in clusters. Knocked from outcrop.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3824	UTM 6323850	N	UTM 0399650	E	Strike Length Exp: 2	Metallics:	<5	0.2	<2	13
	Elevation 700	m	Sample Width: 200	cm	True Width: 200 cm	Secondaries: sGE,sMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Grey felsic		<10	20	<2	88

Comments: More Grid. Host rock to sample 3823. Light to medium grey, from manganese stain on hairline fractures.

Sample Number:	Grid North:		Grid East:		Type:	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3825	UTM 6316370	N	UTM 400985	E	Strike Length Exp:	Metallics:	<5	15.6	144	553
	Elevation 1180	m	Sample Width: 15	cm	True Width: 0 cm	Secondaries: mAZ,wGE,trMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff-breccia		350	452	140	222

Comments: 15X20X25cm subrounded float in Contact Creek. Matrix supported 5-10mm subrounded felsic (some with 1-2mm feldspar phenocrysts) fragments in carbonate-altered matrix. Azurite and malachite on internal fractures.

Sample Number:	Grid North: 6200		Grid East: 1100		Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3826	UTM 6316295	N	UTM 401020	E	Strike Length Exp: 3	Metallics: 20%PY	<5	<.2	40	23
	Elevation 1130	m	Sample Width: 90	cm	True Width: 70 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 040°/90°		Bedding		Host : Pyritic argillite with felsic clasts		120	20	2	96

Comments: Black pyritic (fine-grained) matrix with stretched, altered felsic clasts up to 5cm in diameter. Clasts include altered feldspar porphyry and quartz-eye porphyry. Orientation defines bedding. Similar material outcrops for 3m further upstream to contact with feldspar porphyry.

Sample Number:	Grid North: 6200		Grid East: 1100		Type: Grab	Alteration: sMS?	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3827	UTM 6316295	N	UTM 401020	E	Strike Length Exp: 3	Metallics: 15%PY	<5	<.2	42	26
	Elevation 1130	m	Sample Width: 120	cm	True Width: 120 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 040°/90°				Host : Pyritic argillite with felsic clasts		150	16	<2	86

Comments: Between 3826 and feldspar phorphyry contact (1.5m of less pyritic, more carbonaceous conglomerate between this and feldspar porphyry). Light grey matrix with very fine-grained pyrite.

Sample Number:	Grid North: 6190		Grid East: 1090		Type: Grab	Alteration: wMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3828	UTM 6316280	N	UTM 401035	E	Strike Length Exp: 2	Metallics: 5%PY	10	0.2	38	32
	Elevation 1110	m	Sample Width: 100	cm	True Width: 100 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 048°/90°		Bedding		Host : Argillite with felsic pebbles		100	40	<2	164

Comments: 20m downstream (up section) from 3826,3827. Light grey with fine-grained disseminated pyrite and 2-40mm rounded felsic clasts. At contact with felsic lithic crystal tuff (to northwest).

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: trGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3829	UTM 6316270	N	UTM 401055	E	Strike Length Exp: 2	Metallics: 5%PY	<5	<.2	78	71
	Elevation 1095	m	Sample Width: 15	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 030°/90°				Host : Black argillite with PY beds		640	2	4	246

Comments: 50m downstream from 3828. Two 5mm pyrite beds near base of argillite. Bedding somewhat contorted; graphite along bedding slips.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: mKF?,1%QV,wGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3830	UTM 6317430	N	UTM 401570	E	Strike Length Exp:	Metallics:	<5	0.4	24	27
	Elevation 1060	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		40	16	<2	96

Comments: 10X10X10cm subrounded cobble in creek. Light grey to cream. Irregular drusy quartz stringers. Goethite (plumbojarosite) on fractures and in clots and with quartz veins. Local graphite (pyrobitumen in part?) on fractures. Abundant similar float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCY,mKF?,trGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3831	UTM 6317430	N	UTM 401560	E	Strike Length Exp:	Metallics: trGL	<5	<.2	16	7
	Elevation 1065	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		30	12	<2	120

Comments: 10X15X15cm cobble 10m upstream from 3830. Matrix largely altered to olive-yellow clay. Bright orange goethite on fractures and in clots, along with one speck galena and graphite dusting.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: KF?,wMS,mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3832	UTM 6317430	N	UTM 401560	E	Strike Length Exp:	Metallics:	<5	0.2	30	32
	Elevation 1065	m	Sample Width: 25	cm	True Width: 0 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff breccia		40	80	2	238

Comments: 25X25X40cm angular boulder in till 2m upstream from 3831. Cream-coloured, white-weathering. Fractures have bright orange and regular goethite, along with (1) steel grey bladed mineral (black streak) (2) black metallic mineral and (3) pinkish-grey metallic mineral.

Sample Number:	Grid North: 7350	N	Grid East: 1300	E	Type: Float	Alteration: mKF?,1%QV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3833	UTM 6317330	N	UTM 401305	E	Strike Length Exp:	Metallics: trPY	<5	0.2	16	26
	Elevation 1235	m	Sample Width: 25	cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		40	6	<2	104

Comments: Subcrop/talus. Cream-coloured. Cut by sparse quartz veinlets. Abundant goethite on fractures.

Sample Number:	Grid North: 7100	N	Grid East: 1535	E	Type: Float	Alteration: sSI,wGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3834	UTM 6317080	N	UTM 401540	E	Strike Length Exp:	Metallics: 1%PY	40	<.2	32	10
	Elevation	m	Sample Width: 5	cm	True Width: 0 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		<10	6	<2	64

Comments: 5X15X15cm cobble in gully just above anomalous soil sample (600ppb Au). Grey (medium). Coarse pyrite on fractures.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 7050 N	Grid East: 1600 E	Type: Float	Alteration: <1%CA,3%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3835	UTM 6317055 N	UTM 401605 E	Strike Length Exp:	Metallics: trGL,2%PY	45	0.2	40	24
	Elevation 1090 m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff		<10	92	<2	98

Comments: 10X15X15cm cobble. Medium grey (from extremely fine-grained disseminated sulphide/graphite). Feldspar and fragment ghosts still visible. Stockwork of planar quartz +/- pyrite (fine-grained to medium-grained) stringers. One bleb galena. Calcite fills tension gashes. Abundant similar float to northwest up gully.

Sample Number:	Grid North: 7060 N	Grid East: 1580 E	Type: Float	Alteration: wCL,5%QV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3836	UTM 6317060 N	UTM 401565 E	Strike Length Exp:	Metallics: trGL,3%PY,trSP?,trPO	195	0.2	78	16
	Elevation 1120 m	Sample Width: 20 cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff		<10	42	<2	122

Comments: 20X20X30cm boulder. Blue-grey (very fine-grained sulphides/graphite). Quartz +/- pyrite stringers. Clot of drusy clay mineral (?) with fine-grained pyrrhotite and rare fine-grained galena clustered in centre. Medium green from chlorite away from quartz vein stringers.

Sample Number:	Grid North: 7060 N	Grid East: 1580 E	Type: Float	Alteration: mCL,trQV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3837	UTM 6317060 N	UTM 401565 E	Strike Length Exp:	Metallics: trCP,trGL,trPY	50	0.8	68	17
	Elevation 1120 m	Sample Width: 10 cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Diorite		20	38	<2	92

Comments: 2m up gully from 3836. Medium green, granular texture.

Sample Number:	Grid North: 7080 N	Grid East: 1560 E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3838	UTM 6317067 N	UTM 401558 E	Strike Length Exp:	Metallics:	<5	<.2	60	64
	Elevation 1125 m	Sample Width: 5 cm	True Width: 0 cm	Secondaries: wGE,wHE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Argillite		<10	<2	<2	64

Comments: 5m up gully from 3837. Contorted black argillite with yellow and orange limonites.

Sample Number:	Grid North: 7095 N	Grid East: 1545 E	Type: Float	Alteration: 15%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3839	UTM 6317075 N	UTM 401550 E	Strike Length Exp:	Metallics: 8%PY	25.44g/t	17.2	312	204
	Elevation 1135 m	Sample Width: 5 cm	True Width: 0 cm	Secondaries: mGE,sJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Argillite		1910	4340	<2	3350

Comments: 5X10X10cm cobble 10m above 3838. Contorted argillite with bedding parallel and discordant 5mm quartz veinlets. Patches of fine-grained to medium-grained disseminated pyrite. 5m southwest of anomalous soil sample (600ppb Au). See petrographic description.

Sample Number:	Grid North: N	Grid East: E	Type: Float	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3840	UTM 6317435 N	UTM 401515 E	Strike Length Exp:	Metallics: trGL,trPY,trSP?,5%BA?	250	<.2	14	6
	Elevation 1130 m	Sample Width: 20 cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff		80	30	<2	144

Comments: 20X25X40cm boulder in creek. Deeply pitted. Fine-grained galena on hairline fractures (possibly with other black suphide). 5-10mm barite veinlets and blebs; one with pink sphalerite (?) crystal in centre.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: 1%QV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3841	UTM 6317465	N	UTM 401212	E	Strike Length Exp: 1	Metallics: 1%PY	15	<.2	42	10
	Elevation 1240	m	Sample Width: 60	cm	True Width: 60 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff? Siltstone?		20	10	<2	78

Comments: Grey-brown. Cut by hairline quartz stringers. Fine-grained disseminated pyrite. Rare fine-grained galena on fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mKF?,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3842	UTM 6317443	N	UTM 400957	E	Strike Length Exp: 2	Metallics:	15	<.2	4	1
	Elevation 1230	m	Sample Width: 200	cm	True Width: 100 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Dacite lapilli tuff		10	2	<2	48

Comments: North fork Gossan Creek. Groundmass stained green from barite mica?. Bright orange goethite on hairline fractures. Zone orientation/extent not clear, but green patches continue in outcrop for 10m downstream.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3843	UTM 6317153	N	UTM 401160	E	Strike Length Exp: 4	Metallics: trPY	10	<.2	2	5
	Elevation 1160	m	Sample Width: 150	cm	True Width: 150 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic lapilli tuff/silicified breccia		10	4	<2	50

Comments: Gossan Creek. Angular feldspar porphyry fragments in (locally green from barium mica?) silica matrix. Grades into silicified lapilli tuff with green matrix.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3844	UTM 6317015	N	UTM 401325	E	Strike Length Exp:	Metallics: 15%PY	<5	0.2	22	33
	Elevation 1105	m	Sample Width: 50	cm	True Width: 0 cm	Secondaries: sJA,white precipitate	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : felsic breccia		790	6	<2	2

Comments: Gossan Creek. 50X60X60cm boulder in black argillite subcrop. Light grey felsic fragments (some jigsaw fit) in black pyritic, graphitic matrix. Very fine-grained pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3845	UTM 6317015	N	UTM 401325	E	Strike Length Exp:	Metallics: 20%PY	<5	<.2	10	36
	Elevation 1105	m	Sample Width: 15	cm	True Width: 0 cm	Secondaries: mGE,mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Feldspar porphyry (?)		30	4	<2	36

Comments: Same location as 3844. Very fine-grained pyrite in seams and fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sGR	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3846	UTM 6317015	N	UTM 401325	E	Strike Length Exp: 15	Metallics:	<5	0.2	18	57
	Elevation 1105	m	Sample Width: 200	cm	True Width: 200 cm	Secondaries: wGE,wHE,wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Graphitic argillite		130	8	<2	132

Comments: Same location as 3844,3845. Black, locally graphitic, local slickenslides. Contorted.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3847	UTM 6316980	N	UTM 401400	E	Strike Length Exp:	Metallics: 1%CP,30%PY	10	1.8	18	1335
	Elevation 1055	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Feldspar porphyry?		1460	20	8	2

Comments: Two 10cm diameter cobbles in blue-grey fault gouge in Gossan Creek. Blue-grey intensely silicified rock with extremely fine-grained pyrite. Clusters fine-grained chalcopyrite.

Sample Number:	Grid North: 6550	N	Grid East: 1350	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3848	UTM 6316705	N	UTM 401275	E	Strike Length Exp: 100	Metallics:	10	0.2	32	3
	Elevation 1060	m	Sample Width: 10	cm	True Width: 10 cm	Secondaries: 90%GE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Ferricrete		<10	2	<2	10

Comments: Taken at grid location. Ferricrete froms hard goethite crust with a few felsic pebbles. Taken to 10cm depth.

Sample Number:	Grid North: 6550	N	Grid East: 1325	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3849	UTM 6316705	N	UTM 401250	E	Strike Length Exp: 100	Metallics:	<5	0.2	<2	1
	Elevation 1070	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: 100%GE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Ferricrete		<10	4	<2	24

Comments: Soft (wet) ferricrete crust. Orange and red-brown.

Sample Number:	Grid North: 6550	N	Grid East: 1300	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
3850	UTM 6316705	N	UTM 401225	E	Strike Length Exp:	Metallics:	<5	<.2	44	2
	Elevation 1085	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: 100%GE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Ferricrete		<10	2	2	14

Comments: Taken at grid location. Hard red-brown ferricrete crust.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626729	UTM 6322725	N	UTM 0399725	E	Strike Length Exp: 1	Metallics: trSP?	<5	0.2	<2	4
	Elevation 750	m	Sample Width: 15	cm	True Width: cm	Secondaries: mGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic tuff		10	32	<2	316

Comments: Adrian grid 15290N 8025E. Dark grey-brown (fine manganese stain?). Orange geothite on fractures and in clots, with trace sphalerite(?). Blast-pit.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wMS,wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626730	UTM 6322725	N	UTM 0399755	E	Strike Length Exp: 1.0	Metallics:	<5	<.2	<2	7
	Elevation 750	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Felsic crystal lithic tuff		<10	8	<2	180

Comments: Blast pit at 15290N 8060E (Adrian Grid). Medium grey-green. Rare quartz eyes, 1-3mm, variably altered fragments. 5% geothite boxwork after suphide clots/fragments (1-3mm).

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 1995 N	Grid East: 935 E	Type: Float	Alteration: mKF?,5%QV,mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626731	UTM 6323542 N	UTM 0399351 E	Strike Length Exp:	Metallics:	<5	0.2	<2	124
	Elevation 540 m	Sample Width: 15 cm	True Width: 0 cm	Secondaries: wGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic		30	36	<2	408

Comments: More Grid. 15X25X25cm angular float. Red brown (potassium feldspar alteration?), with crackle breccia infilled by white quartz.

Sample Number:	Grid North: 2000 N	Grid East: 940 E	Type: Float	Alteration: vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626732	UTM 6323547 N	UTM 0399350 E	Strike Length Exp:	Metallics:	860	1.8	2	17
	Elevation 545 m	Sample Width: 60 cm	True Width: 0 cm	Secondaries: wGE,wHE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified fault breccia/vein		10	68	<2	30

Comments: More Grid, 2m west of 1996 sample 238792. 60X60X100cm boulder. Light grey angular quartz fragments in darker grey matrix.

Sample Number:	Grid North: 2005 N	Grid East: 940 E	Type: Float	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626733	UTM 6323554 N	UTM 0399349 E	Strike Length Exp:	Metallics: trPY	40	0.4	4	6
	Elevation 545 m	Sample Width: 40 cm	True Width: 0 cm	Secondaries: wGE,mMN?	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified fault breccia/vein		<10	22	<2	20

Comments: More Grid. 5m north of 626732. 40X40X40cm angular boulder. Light grey silica fragments in dark grey (manganese-bearing) matrix (or replacement along hairline fractures).

Sample Number:	Grid North: 2010 N	Grid East: 945 E	Type: Float	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626734	UTM 6323565 N	UTM 0399353 E	Strike Length Exp:	Metallics:	20	0.4	<2	4
	Elevation 545 m	Sample Width: 60 cm	True Width: 0 cm	Secondaries: wGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified fault breccia/vein		<10	80	<2	18

Comments: More Grid. 10m north of 626733. 60X100X100cm boulder. Medium grey. Pervasively silicified with sparse 2mm quartz veinlets.

Sample Number:	Grid North: 1990 N	Grid East: 955 E	Type: Grab	Alteration: wKF?,3%QV,wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626735	UTM 6323540 N	UTM 0399370 E	Strike Length Exp: 0.5	Metallics: trCP,trSP	10	0.8	<2	282
	Elevation 575 m	Sample Width: 15 cm	True Width: 15 cm	Secondaries: wGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 343°/85° E	Veining	Host : Felsic tuff (?)		50	80	<2	638

Comments: More Grid. Could be subcrop. Silicified and minor quartz veining with disseminated blebs chalcopyrite and sphalerite for 5cm around joint. Crackle breccia quartz veining envelope to joint.

Sample Number:	Grid North: 2020 N	Grid East: 955 E	Type: Grab	Alteration: wCB,wMS,2%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626736	UTM 6323575 N	UTM 0399365 E	Strike Length Exp: 0.5	Metallics:	<5	<.2	<2	102
	Elevation 580 m	Sample Width: 30 cm	True Width: 30 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff (?)		20	36	<2	262

Comments: More Grid. Grey brown. 2% stockwork quartz veins (2mm). 2m south of chalcopyrite-bearing silicified fault breccia float Adrian samples (3901-3903).

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 1998 N	Grid East: 1023 E	Type: Grab	Alteration: mCB,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626737	UTM 6323570 N	UTM 0399435 E	Strike Length Exp: 0.5	Metallics:	10	1.8	2	23
	Elevation 615 m	Sample Width: 50 cm	True Width: 50 cm	Secondaries: wGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff (?)		160	2240	<2	2920

Comments: More Grid. Blast pit on hill top. Grey-brown. Carbonate-manganese (?) on fractures. No visible sulphides.

Sample Number:	Grid North: 1905 N	Grid East: 950 E	Type: Float	Alteration: wMS,1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626738	UTM 6323460 N	UTM 0399390 E	Strike Length Exp:	Metallics:	25	0.8	4	21
	Elevation 605 m	Sample Width: 25 cm	True Width: 0 cm	Secondaries: wGE,wHE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified felsic		10	346	<2	52

Comments: More Grid. 25X30X40cm angular boulder. Light grey, pervasively silicified. Irregular black (manganese?) hairline fractures. Band of apple-green sericite.

Sample Number:	Grid North: 1920 N	Grid East: 915 E	Type: Float	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626739	UTM 6323465 N	UTM 0399365 E	Strike Length Exp:	Metallics: trSP?	0.96g/t	3.4	16	92
	Elevation 565 m	Sample Width: 40 cm	True Width: 0 cm	Secondaries: mGE,wMC	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified felsic?		490	1400	<2	576

Comments: More Grid. 40X50X60cm angular boulder. Light grey, intensely silicified rock cut by irregular hairline fractures (black from manganese oxide). Sparse very fine-grained sphalerite(?).

Sample Number:	Grid North: 2005 N	Grid East: 940 E	Type: Chip	Alteration: 1%QV,sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626740	UTM 6323553 N	UTM 0399351 E	Strike Length Exp: 3.5	Metallics: trCP,trGL	3.63g/t	9.2	68	375
	Elevation 525 m	Sample Width: 110 cm	True Width: 110 cm	Secondaries: mGE,wHE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 140°/80° SW	Vein	Host : Quartz breccia vein		2040	4110	2	2370

Comments: Baseline Showing (More Grid). Light grey. Several generations of silicification and brecciation. Locally abundant boxwork after sulphides. Chip sample oriented at 050 degrees.

Sample Number:	Grid North: 2005 N	Grid East: 940 E	Type: Chip	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626741	UTM 6323552 N	UTM 0399353 E	Strike Length Exp: 3.5	Metallics:	6.21g/t	6.0	32	185
	Elevation 525 m	Sample Width: 60 cm	True Width: 60 cm	Secondaries: mGE,mHE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 140°/80° SW	Vein	Host : Quartz vein/silicified zone		2820	1290	4	2380

Comments: Baseline Showing (More Grid). 2.0m at 140 from 626740. Light grey quartz (or intense silicification). More limonite and boxwork near outcrop margins (recessive). Chip sample oriented at 050 degrees.

Sample Number:	Grid North: 1760 N	Grid East: 1025 E	Type: Float	Alteration: <1%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626742	UTM 6323350 N	UTM 0399515 E	Strike Length Exp:	Metallics:	20	<.2	<2	4
	Elevation 610 m	Sample Width: 60 cm	True Width: 0 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic lithic crystal tuff		30	26	<2	96

Comments: Subcrop on More Grid. No reaction with HCl. Granular, medium grey-brown. 10% quartz and feldspar crystal fragments. Sparse quartz stringers.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 2150 N	Grid East: 1050 E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626743	UTM 6323720 N	UTM 0399405 E	Strike Length Exp: 2	Metallics: trPY?	<5	<.2	<2	4
	Elevation 570 m	Sample Width: 150 cm	True Width: 150 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Crystal lithic felsic tuff		10	22	<2	486

Comments: More Grid. Grey brown with goethite blebs throughout. No reaction with HCl. Granular with <2% quartz and 10% feldspar phenoclasts.

Sample Number:	Grid North: 2050 N	Grid East: 1000 E	Type: Float	Alteration: mCB?	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626744	UTM 6323615 N	UTM 0399390 E	Strike Length Exp:	Metallics:	10	<.2	<2	8
	Elevation 615 m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: mGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic? lithic crystal tuff		10	38	<2	560

Comments: More Grid. 10X15X20cm block in soil pit. Clearly tuffaceous; broken feldspar fragments. No quartz crystals noted. Orange goethite in disseminations and replacing fragments. No reaction with HCl.

Sample Number:	Grid North: 2310 N	Grid East: 1000 E	Type: Float	Alteration: mCB?,1%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626745	UTM 6323865 N	UTM 0399305 E	Strike Length Exp:	Metallics: trGL?	<5	0.2	10	15
	Elevation 570 m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: sGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff		90	538	<2	1210

Comments: More Grid. 10X10X20cm cobble. Medium grey. Subangular fragments to 1cm. Goethite disseminated and on fractures accompanied by sparse very fine-grained steely sulphide (galena and sphalerite?).

Sample Number:	Grid North: 2355 N	Grid East: 1000 E	Type: Float	Alteration: mCB?	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626746	UTM 6323905 N	UTM 0399295 E	Strike Length Exp:	Metallics: trGL?,trPY	<5	0.4	<2	29
	Elevation 570 m	Sample Width: 20 cm	True Width: 0 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic tuff		110	636	<2	1435

Comments: More Grid. 20X50X30cm boulder. Medium grey-brown. Shot through with disseminated manganese and goethite, rare clusters of very fine-grained pyrite and possible steely sulphide (galena and sphalerite?).

Sample Number:	Grid North: 2265 N	Grid East: 940 E	Type: Float	Alteration: sCB,<1%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626747	UTM 6323705 N	UTM 0399280 E	Strike Length Exp:	Metallics:	60	0.4	6	42
	Elevation 560 m	Sample Width: 20 cm	True Width: 0 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Felsic		250	284	<2	3380

Comments: More Grid. Cream-coloured (from carbonate alteration) where fresh. Disseminated and fracture-filling goethite and manganese where weathered. Sparse 2mm quartz stringers. No sulphides noted.

Sample Number:	Grid North: 2225 N	Grid East: 945 E	Type: Grab	Alteration: mCB?,<1%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626748	UTM 6323715 N	UTM 0399295 E	Strike Length Exp: 2	Metallics: trSP?	<5	0.2	2	14
	Elevation 585 m	Sample Width: 250 cm	True Width: 250 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 250°/70° N	Veining	Host : Felsic		60	86	<2	962

Comments: More Grid. Small cliff. Grey-brown. Manganese-goethite disseminated and filling fractures throughout. Very fine-grained black sulphides (sphalerite?) locally. Sheeted 2mm quartz stringers.

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North: 2050 N	Grid East: 950 E	Type: Grab	Alteration: mCB?,1%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626749	UTM 6323595 N	UTM 0399345 E	Strike Length Exp: 5	Metallics: trSP?	<5	<.2	<2	43
	Elevation 615 m	Sample Width: 150 cm	True Width: 150 cm	Secondaries: mGE,mMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation 075°/90°	Veining	Host : Felsic		50	112	<2	894

Comments: More Grid. Sheeted quartz stringers over 50cm. Manganese on fractures; goethite disseminated. Extremely fine-grained steely sulphides (sphalerite or manganese stain?).

Sample Number:	Grid North: 1925 N	Grid East: 950 E	Type: Float	Alteration: 1%QV,vsSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
626750	UTM 6323480 N	UTM 0399380 E	Strike Length Exp:	Metallics:	550	0.6	<2	9
	Elevation 645 m	Sample Width: 30 cm	True Width: 0 cm	Secondaries: wGE,wMN	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Silicified felsic/vein		10	10	<2	24

Comments: More Grid. Angular 30X40X50cm boulder near small ridge top. Light grey, intensely silicified, no textures left. Minor irregular quartz stringers. Irregular black hairline fractures. Similar boulders nearby.

Sample Number:	Grid North: N	Grid East: E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8481	UTM 6314565 N	UTM 400225 E	Strike Length Exp:	Metallics:	<5	<.2	12	10
	Elevation m	Sample Width: 10 cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Calcareous siltstone		420	12	2	60

Comments: Marcasite Gossan. Well-bedded siltstone in 10mm beds, with 1-3mm interbeds of subangular grit and rare pebbles of altered dacite.

Sample Number:	Grid North: N	Grid East: E	Type: Select	Alteration: sKF, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8482	UTM 6314645 N	UTM 400285 E	Strike Length Exp:	Metallics: 2%PY	<5	1	102	43
	Elevation m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: sGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Dacite peperite		550	30	30	22

Comments: Marcasite Gossan. Porphyritic dacite (grey-brown from pervasive K-spar alteration) at peperitic contact with calcareous wacke. Angular dacite fragments (2-15mm) forms 40% of wacke. Disseminated pyrite clusters in dacite.

Sample Number:	Grid North: N	Grid East: E	Type: Select	Alteration: 5%CD, mKF	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8483	UTM 6314540 N	UTM 400250 E	Strike Length Exp:	Metallics: 60%PY	<5	1.4	586	34
	Elevation m	Sample Width: 10 cm	True Width: 0 cm	Secondaries: wGE, wJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Pyrite-chalcedony vein in porphyritic dacite		1170	<2	46	12

Comments: Marcasite Gossan. Dark grey-brown dacite with 20% 1mm feldspar phenocrysts cut by irregular pyrite-chalcedony vein. Chalcedony forms red-brown to colourless clots; pyrite is very fine-grained and forms swirling bands around chalcedony and parallel to contacts.

Sample Number:	Grid North: N	Grid East: E	Type: Select	Alteration: trBT	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8484	UTM 6314565 N	UTM 400225 E	Strike Length Exp:	Metallics: 5%PY	<5	<.2	20	9
	Elevation m	Sample Width: 10 cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation		Host : Calcareous wacke		770	<2	8	12

Comments: Marcasite Gossan. Poorly bedded. 0.5-1mm subrounded heterolithic clasts, including white chalcedony and clasts composed of very fine-grained pyrite (rarely with chalcedony or pyrobitumen).

Rock Sample Descriptions

Project Name: RDN **Project:** BUL97-01 **NTS:** 104B/15E, G/2E

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: 2%CD, sKF, 5%QV	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8485	UTM 6314540	N	UTM 400250	E	Strike Length Exp:	Metallics: 15%PY	<5	0.2	674	13
	Elevation	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: sGE, mJA	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Pyrite vein in porphyritic dacite		1660	<2	90	<2

Comments: Marcasite Gossan. Medium grey-brown dacite with hairline carbonaceous fractures and irregular, swirling, banded, fine-grained pyrite vein with chalcedony fragments and clear colourless quartz veinlets.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sKF, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8486	UTM 6314540	N	UTM 400250	E	Strike Length Exp:	Metallics: 70% PY	<5	<.2	2750	15
	Elevation	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: mGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Pyrite vein in sparsely porphyritic dacite		5240	<2	122	38

Comments: Marcasite Gossan. Very fine-grained pyrite in irregular 5cm veinlet, showing swirling banding parallel to contacts. Dacite is dark brown with 15% 2mm feldspar phenocrysts.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8487	UTM 6314565	N	UTM 400225	E	Strike Length Exp:	Metallics:	<5	<.2	42	15
	Elevation	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Calcareous conglomerate		760	<2	8	38

Comments: Marcasite Gossan. Light grey. Close-packed, rounded pebbles to 10mm, mainly of dacite porphyry. Belemnites. Rare clasts of pyrobitumen or chalcedony.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8488	UTM 6314565	N	UTM 400225	E	Strike Length Exp:	Metallics:	<5	<.2	18	10
	Elevation	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries:	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Calcareous siltstone		270	2	2	280

Comments: Marcasite Gossan. Finely-bedded siltstone with grit layers and belemnite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wKF	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8489	UTM 6314645	N	UTM 400285	E	Strike Length Exp:	Metallics: <1%PY	<5	<.2	80	17
	Elevation	m	Sample Width: 10	cm	True Width: 0 cm	Secondaries: wGE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Dacite peperite		450	6	18	62

Comments: Marcasite Gossan. Grey-brown dacite with 1mm chilled contact adjacent to calcareous wacke. Wacke includes 40% angular to tabular dacite fragments (with "jigsaw" texture). 1-3mm wacke "dyke" fills fracture in dacite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 10%CD, trCL, mKF, 5%QZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
8490	UTM 6314580	N	UTM 400370	E	Strike Length Exp:	Metallics: 15%PY	<5	58.2	308	58
	Elevation	m	Sample Width: 5	cm	True Width: 0 cm	Secondaries: wGE, trHE	Hg (ppb)	Pb (ppm)	Sb (ppm)	Zn (ppm)
RDN	Orientation				Host : Chalcedony-pyrite-quartz vein in felsic		2340	108	52	84

Comments: Upper Marcasite Gossan. 5x10x10cm cobble. White chalcedony veining with fine colloform banding; disrupted by small slips with colourless quartz infilling. Light grey quartz patches with black sulphide(?) on hairline fractures. Patches of medium-grained pyrite in band parallel to chalcedony veining. Felsic wallrock locally hematite and/or chlorite

APPENDIX D

PETROGRAPHIC DESCRIPTIONS

(Prepared by Dr. Geoff Harris, Harris Exploration Services)

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EXPLORATION
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Report for: Equity Engineering Ltd.,
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Report 97-168

October 21, 1997

PETROGRAPHIC EXAMINATION OF ROCKS FROM THE RDN PROPERTY (Project BUL 97-01)

Introduction:

3 hand specimens, numbered 3839, MG-1 and 358498, were submitted by Henry Awmack. Typical portions of each were prepared, as polished thin sections in the case of the first two, and as a standard thin section in the case of the last. Slide numbers are 97-22897, 22898 and 23675 respectively.

Summary:

Sample 3839 is a breccia of bituminous shale cemented and partially replaced by quartz. It contains localized disseminations of pyrite and marmatitic sphalerite.

Sample MG-1 is an altered porphyritic volcanic of apparent leuco-andesite composition, partially silicified and pyritized. It is cut by a crustified veinlet of pyrite and chalcedony, which also contains fragmented segregations of bitumen.

Sample 358498 is a rather coarsely porphyritic leuco-andesite with a partially carbonated groundmass. The rock is unfractured and unmineralized.

Individual petrographic descriptions are attached.

J.F. Harris Ph.D.

SAMPLE 3839 (Slide 97-22897) SILICIFIED AND MINERALIZED SHALE BRECCIA

Estimated mode

Quartz	58
Sericite) Brown sub-opaque)	30
Leucoxene	2
Pyrite	5
Sphalerite	4
Covellite	trace
Chalcopyrite	trace
Pyrrhotite	trace
Limonite	1

This sample is texturally heterogenous and is clearly a form of breccia or quartz-cemented stockwork.

One end of the sectioned portion is cut by a prominent irregular veinlet of quartz 5 mm or so in thickness. One wall of this vein is made up of a prominent band of a dark, sub-opaque lithotype, 5 - 15 mm in width.

The remainder of the slide is a heterogenous, finely fragmental assemblage, with concentrations of disseminated pyrite and a string of sphalerite pockets.

Thin section examination shows that the rock consists dominantly of quartz. In part this is in the form of mosaic to comb-textured aggregates, of grain size up to 1 mm or so, which are clearly a complex of sub-parallel veinlets and cross-cutting stringers. Quartz also occurs as a finer-grained (10 - 100 microns), cherty to meshwork-textured continuum which most likely represents the pervasive replacement of fragmented host rock material.

The fragments are largely of a single lithotype, composed of compact foliaceous sericite and diffuse, brown, sub-opaque (probably carbonaceous) material. This has the aspect of a bituminous shale or phyllite.

Fragments of this material range in size from prominent masses of several cm, down to tiny flecks of 1 mm or less. The smaller flecks represent remnants of original larger fragments which have been more or less completely assimilated by a process of silica flooding and replacement.

There is also local development of remnant material which appears to consist largely of flecks and networks of leucoxene; this possibly represents a minor intercalated volcanic component in the shale protolith.

Sulfides consist of disseminated pyrite and sphalerite, as clusters

Sample 3839 cont.

of grains up to 2 mm or so in size, most abundantly developed in the quartz-rich zone with tiny shale remnants which makes up one end of the sectioned area.

The sphalerite is a red-brown variety, speckled with abundant minute blebs of exsolved chalcopyrite and pyrrhotite. Local small segregations of chalcopyrite are largely altered to covellite.

Similar, but sparser sulfides occur in association with the quartz throughout the slide, but towards the other end the sulfides show more or less strong oxidation (to pseudomorphs of limonite).

Traces of primary pyrite (or its oxidized equivalents) occur as minute specks and framboids in some of the better preserved bituminous shale remnants.

SAMPLE MG-1 (Slide 97-22898)
ALTERED ANDESITE WITH PYRITE/CHALCEDONY VEIN

Estimated mode

Feldspars	54
Quartz) Chalcedony)	22
Sericite	2
Rutile	trace
Graphite	2
Pyrite	20

The sectioned portion of this sample (see off-cut) consists dominantly of a patchy, heterogenous, crypto-fragmental aggregate of weakly potassic feldspar (white-etched and incipiently yellow-stained). One end of the sectioned area shows a sharp contact with an apparent colloform/crustified vein of fine-grained pyrite and probable chalcedony.

In thin section the host rock is found to contain scattered phenocrysts - mostly in the 0.1 - 0.5 mm size range, plus rare examples to 2.0 mm. These consist dominantly of plagioclase, ranging from fresh to totally altered. The alteration takes the form of pervasive wisps of sericite, plus replacement by chalcedony and/or pyrite. Many of the small phenocrysts are totally pseudomorphed by chalcedony or, less commonly, granules of pyrite.

A few phenocrysts apparently originated as mafics (biotite?) and are now converted to lamellar intergrowths of sericite and dust-sized rutile.

The groundmass is a texturally ill-defined aggregate of turbid, felsitic to microlitic feldspars - partly suggestive of devitrified original glass. It is dusted with fine-grained disseminated pyrite, and flecked and diffusely streaked with fine-grained silica.

The slide includes sporadic clusters of small pockets of a brownish, low-reflective, anisotropic, microgranular opaque which appears to be bitumen.

This rock appears to be a partially silicified and pyritized leuco-andesite - possibly of fragmental character.

The pyrite/chalcedony vein has a marginal zone of lamellar-textured massive pyrite, cemented and partially replaced by close-spaced foliae of chalcedony. The inner border of this shows irregular/botryoidal forms against a core zone (cavity filling?) of fibrous radiate chalcedony. The latter incorporates local strings of angular, shattered-looking, fragmented masses of the bitumen component (confirmed by SEM microanalysis).

SAMPLE 358498 (Slide 97-23675) PORPHYRITIC ANDESITE

Estimated mode

Feldspars	78
Sericite	2
Carbonate	15
Chlorite	2
Apatite	trace
Opaques	3

Macroscopic examination of the thin section and off-cut of this sample indicate that it is a prominently porphyritic igneous rock, containing equant phenocrysts which range up to 5 mm or so in size.

The majority of these are found (from petrographic examination) to be plagioclase - fresh but for mild dustings of sericite and flecks of carbonate. However, there is also an accessory component of what are presumably altered mafic phenocrysts (typically in the 0.5 - 2.0 mm size range), which are now totally pseudomorphed by compact carbonate.

The groundmass is apparently of weakly potassic composition (see incipient cobaltinitrite stain on the off-cut). It is composed of ill-defined, patchy alternations of minutely felsitic material, lightly dusted with sericite and containing abundant carbonate as small, sub-potassic pseudomorphs 0.1 - 0.2 mm in size, and a carbonate-poor, microlitic variant containing abundant minute lath-like grains of fresh feldspar.

Other groundmass constituents are a little chlorite, as sporadic, small, irregular pockets of amygdaloidal aspect, and rather abundant, tiny, altered mafic grains, now represented by ghost prismatic forms delineated by micron-sized opaque dust (probably rutile or hematite).

Other trace components are scattered, relatively coarse, euhedral apatite, and sporadic equant grains of opaques (probably magnetite) 0.2 - 1.0 mm in size.

This rock appears devoid of quartz, and has the composition of an andesite. It is homogenous and unfractured.

APPENDIX E

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9739070

Comments: ATTN:DAVID CAULFIELD

CERTIFICATE A9739070

(EIA) - EQUITY ENGINEERING LTD.

Project: RDN
P.O. # : BUL97-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	31	Geochem ring to approx 150 mesh
226	31	0-3 Kg crush and split
3202	31	Rock - save entire reject
229	31	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	31	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	6	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2118	31	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	31	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	31	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	31	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	31	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	31	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	31	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	31	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	31	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	31	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	31	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	31	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	31	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	31	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	31	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	31	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	31	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	31	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	31	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	31	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	31	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	31	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	31	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	31	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	31	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	31	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	31	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	31	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	31	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	31	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	31	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	31	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :1-A
Total Pages :1
Certificate Date: 27-AUG-97
Invoice No. :19739070
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9739070

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
3816M	205	226	4440	4.05	7.4	0.07	< 2	60	< 0.5	8	0.02	< 0.5	< 1	173	24	0.49	< 10	< 1	0.07	10	< 0.01
3817M	205	226	5	-----	0.2	1.36	< 2	110	< 0.5	< 2	0.12	1.5	6	39	33	4.51	< 10	< 1	0.19	10	0.60
3818M	205	226	< 5	-----	0.6	1.90	20	180	< 0.5	< 2	0.17	< 0.5	6	27	62	4.75	< 10	< 1	0.18	10	0.72
3819M	205	226	< 5	-----	1.0	1.17	< 2	70	< 0.5	< 2	0.45	2.0	8	23	58	3.39	< 10	< 1	0.20	10	0.45
3820M	205	226	200	-----	3.2	0.08	2	110	< 0.5	< 2	0.01	0.5	4	149	26	1.34	< 10	< 1	0.05	< 10	0.01
3821M	205	226	1760	1.51	8.0	0.21	8	100	< 0.5	< 2	0.06	5.0	4	63	1375	3.02	< 10	1	0.16	< 10	0.02
3822M	205	226	< 5	-----	0.2	0.25	< 2	220	< 0.5	< 2	0.06	1.0	8	34	9	4.87	< 10	< 1	0.16	10	0.06
3823M	205	226	2200	2.16	32.0	0.21	16	180	< 0.5	8	< 0.01	20.0	9	89	2920	5.83	< 10	3	0.17	< 10	0.01
3824M	205	226	< 5	-----	0.2	0.33	< 2	120	< 0.5	< 2	0.03	< 0.5	3	45	13	1.95	< 10	< 1	0.25	< 10	0.03
626729H	205	226	< 5	-----	0.2	0.64	< 2	220	0.5	< 2	0.10	1.0	5	39	4	1.82	< 10	< 1	0.35	20	0.04
626730H	205	226	< 5	-----	< 0.2	0.54	< 2	170	0.5	< 2	0.03	0.5	3	23	7	1.45	< 10	< 1	0.32	20	0.03
626731H	205	226	< 5	-----	0.2	0.25	< 2	140	< 0.5	< 2	0.07	1.0	5	35	124	3.50	< 10	1	0.18	10	0.07
626732H	205	226	860	-----	1.8	0.07	2	200	< 0.5	2	0.01	< 0.5	4	156	17	0.80	< 10	< 1	0.06	< 10	< 0.01
626733H	205	226	40	-----	0.4	0.10	4	30	< 0.5	< 2	0.05	< 0.5	1	206	6	0.66	< 10	< 1	0.07	< 10	< 0.01
626734H	205	226	20	-----	0.4	0.12	< 2	2320	< 0.5	< 2	0.04	< 0.5	< 1	166	4	0.31	< 10	< 1	0.09	< 10	< 0.01
626735H	205	226	10	-----	0.8	0.26	< 2	190	< 0.5	< 2	0.13	1.5	4	58	282	3.15	< 10	< 1	0.18	10	0.03
626736H	205	226	< 5	-----	< 0.2	0.33	< 2	110	< 0.5	< 2	0.01	< 0.5	5	33	102	5.91	< 10	1	0.26	10	0.09
626737H	205	226	10	-----	1.8	0.27	2	270	< 0.5	< 2	0.81	19.5	5	18	23	2.35	< 10	< 1	0.23	20	0.10
626738H	205	226	25	-----	0.8	0.17	4	140	< 0.5	< 2	0.05	< 0.5	< 1	98	21	0.56	< 10	< 1	0.14	< 10	< 0.01
626739H	205	226	1030	0.96	3.4	0.04	16	100	< 0.5	< 2	0.01	2.5	< 1	170	92	0.92	< 10	< 1	0.03	< 10	< 0.01
626740H	205	226	3580	3.63	9.2	0.07	68	80	< 0.5	10	0.02	14.5	1	111	375	2.50	< 10	3	0.05	< 10	0.01
626741H	205	226	6160	6.21	6.0	0.11	32	60	< 0.5	4	0.01	6.5	1	145	185	3.36	< 10	3	0.07	< 10	0.01
626742H	205	226	20	-----	< 0.2	0.40	< 2	90	< 0.5	< 2	0.36	< 0.5	7	46	4	2.98	< 10	< 1	0.26	10	0.03
626743H	205	226	< 5	-----	< 0.2	0.35	< 2	180	< 0.5	< 2	0.12	1.5	5	19	4	2.77	< 10	< 1	0.24	20	0.04
626744H	205	226	10	-----	< 0.2	0.39	< 2	230	< 0.5	< 2	0.25	1.0	7	26	8	2.95	< 10	< 1	0.25	20	0.05
626745H	205	226	< 5	-----	0.2	0.26	10	160	< 0.5	< 2	0.10	6.5	6	33	15	3.46	< 10	< 1	0.20	10	0.03
626746H	205	226	< 5	-----	0.4	0.25	< 2	170	< 0.5	< 2	0.13	12.5	6	36	29	2.89	< 10	< 1	0.18	10	0.01
626747H	205	226	60	-----	0.4	0.24	6	210	< 0.5	< 2	0.26	18.5	7	41	42	3.70	< 10	< 1	0.18	20	0.16
626748H	205	226	< 5	-----	0.2	0.26	2	110	< 0.5	< 2	0.14	3.5	6	34	14	3.70	< 10	< 1	0.21	10	0.04
626749H	205	226	< 5	-----	< 0.2	0.22	< 2	170	< 0.5	< 2	0.05	6.5	6	30	43	3.81	< 10	< 1	0.16	10	0.06
626750H	205	226	550	-----	0.6	0.08	< 2	< 10	< 0.5	< 2	0.03	< 0.5	< 1	115	9	0.40	< 10	< 1	0.06	10	< 0.01

CERTIFICATION: Ian Pollock

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number : 1-B
Total Pages : 1
Certificate Date: 27-AUG-97
Invoice No. : I9739070
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9739070

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3816M	205	226	20	5	< 0.01	2	240	82	< 2	< 1	7	< 0.01	< 10	< 10	1	< 10	4
3817M	205	226	3300	< 1	< 0.01	1	700	12	< 2	4	7	< 0.01	< 10	< 10	36	< 10	522
3818M	205	226	2800	< 1	< 0.01	1	760	10	< 2	3	10	< 0.01	< 10	< 10	44	< 10	266
3819M	205	226	4470	< 1	< 0.01	1	940	466	< 2	5	11	< 0.01	< 10	< 10	56	< 10	1220
3820M	205	226	3180	1	< 0.01	3	110	54	2	< 1	3	< 0.01	< 10	< 10	1	< 10	70
3821M	205	226	2060	1	< 0.01	1	270	364	< 2	1	4	< 0.01	< 10	< 10	8	< 10	1060
3822M	205	226	3310	< 1	< 0.01	1	650	66	< 2	6	6	< 0.01	< 10	< 10	36	< 10	506
3823M	205	226	2580	11	< 0.01	1	130	2200	2	< 1	5	< 0.01	< 10	< 10	7	< 10	4290
3824M	205	226	1385	< 1	< 0.01	1	260	20	< 2	< 1	2	< 0.01	< 10	< 10	3	< 10	88
626729H	205	226	2020	< 1	< 0.01	2	320	32	< 2	1	11	< 0.01	< 10	< 10	5	< 10	316
626730H	205	226	1500	< 1	< 0.01	1	240	8	< 2	1	5	< 0.01	< 10	< 10	3	< 10	180
626731H	205	226	3110	< 1	< 0.01	1	840	36	< 2	3	20	< 0.01	< 10	< 10	6	< 10	408
626732H	205	226	1050	7	< 0.01	3	190	68	< 2	< 1	8	< 0.01	< 10	< 10	1	< 10	30
626733H	205	226	220	3	< 0.01	3	180	22	< 2	< 1	6	< 0.01	< 10	< 10	1	< 10	20
626734H	205	226	145	1	< 0.01	3	200	80	< 2	< 1	39	< 0.01	< 10	< 10	1	< 10	18
626735H	205	226	1440	< 1	0.01	1	840	80	< 2	2	49	< 0.01	< 10	< 10	5	< 10	638
626736H	205	226	1890	< 1	< 0.01	< 1	820	36	< 2	3	3	< 0.01	< 10	< 10	7	< 10	262
626737H	205	226	5170	< 1	< 0.01	2	930	2240	< 2	3	23	< 0.01	< 10	< 10	10	< 10	2920
626738H	205	226	50	5	< 0.01	1	260	346	< 2	< 1	7	< 0.01	< 10	< 10	3	< 10	52
626739H	205	226	35	8	< 0.01	2	90	1400	< 2	< 1	3	< 0.01	< 10	< 10	1	< 10	576
626740H	205	226	520	4	< 0.01	1	210	4110	2	< 1	5	< 0.01	< 10	< 10	2	< 10	2370
626741H	205	226	660	3	< 0.01	1	310	1290	4	< 1	2	< 0.01	< 10	< 10	4	< 10	2380
626742H	205	226	1350	< 1	0.02	1	870	26	< 2	3	12	< 0.01	< 10	< 10	10	< 10	96
626743H	205	226	3460	< 1	0.01	1	850	22	< 2	2	10	< 0.01	< 10	< 10	8	< 10	486
626744H	205	226	2640	< 1	0.01	1	780	38	< 2	3	11	< 0.01	< 10	< 10	8	< 10	560
626745H	205	226	4840	< 1	< 0.01	1	710	538	< 2	3	11	< 0.01	< 10	< 10	10	< 10	1210
626746H	205	226	4650	< 1	< 0.01	1	780	636	< 2	3	14	< 0.01	< 10	< 10	6	< 10	1435
626747H	205	226	5430	< 1	< 0.01	1	810	284	< 2	4	25	< 0.01	< 10	< 10	13	< 10	3380
626748H	205	226	2630	< 1	< 0.01	< 1	860	86	< 2	3	13	< 0.01	< 10	< 10	8	< 10	962
626749H	205	226	4090	< 1	< 0.01	1	690	112	< 2	3	7	< 0.01	< 10	< 10	6	< 10	894
626750H	205	226	130	1	< 0.01	1	140	10	< 2	< 1	3	< 0.01	< 10	< 10	1	< 10	24

CERTIFICATION:

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207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Page Number :1-A
Total Pages :3
Certificate Date: 11-SEP-97
Invoice No. :I9740809
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740809

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
3825	205	226	< 5	-----	15.6	0.40	144	270	< 0.5	< 2	3.55	0.5	4	44	553	2.23	< 10	350	0.30	10	0.81
3826	205	226	< 5	-----	< 0.2	0.79	40	40	0.5	< 2	1.15	0.5	9	23	23	3.33	< 10	120	0.39	< 10	0.25
3827	205	226	< 5	-----	< 0.2	1.32	42	20	1.0	< 2	1.09	0.5	11	19	26	4.12	< 10	150	0.58	< 10	0.28
3828	205	226	10	-----	0.2	1.30	38	50	1.0	< 2	0.81	2.0	11	18	32	2.99	< 10	100	0.65	< 10	0.28
3829	205	226	< 5	-----	< 0.2	0.50	78	50	< 0.5	< 2	1.42	3.0	11	24	71	4.76	< 10	640	0.22	< 10	0.25
3830	205	226	< 5	-----	0.4	0.43	24	980	< 0.5	< 2	0.35	0.5	3	79	27	1.58	< 10	40	0.26	10	0.04
3831	205	226	< 5	-----	< 0.2	0.40	16	780	< 0.5	< 2	0.76	0.5	1	56	7	1.57	< 10	30	0.24	20	0.04
3832	205	226	< 5	-----	0.2	0.47	30	380	< 0.5	< 2	0.24	2.0	3	75	32	1.67	< 10	40	0.27	20	0.06
3833	205	226	< 5	-----	0.2	0.40	16	410	< 0.5	< 2	0.32	< 0.5	3	81	26	1.54	< 10	40	0.18	10	0.03
3834	205	226	40	-----	< 0.2	0.99	32	350	< 0.5	< 2	0.45	< 0.5	2	50	10	1.78	< 10	< 10	0.24	10	0.34
3835	205	226	45	-----	0.2	0.52	40	150	< 0.5	< 2	0.40	< 0.5	3	63	24	2.20	< 10	< 10	0.19	10	0.13
3836	205	226	195	-----	0.2	0.90	78	190	< 0.5	< 2	0.56	< 0.5	3	40	16	2.40	< 10	< 10	0.26	10	0.24
3837	205	226	50	-----	0.8	1.42	68	200	0.5	< 2	0.30	< 0.5	5	16	17	2.84	< 10	20	0.49	10	0.18
3838	205	226	< 5	-----	< 0.2	4.67	60	100	< 0.5	< 2	3.62	< 0.5	41	359	64	5.86	10	< 10	0.07	< 10	4.66
3839	205	226	>10000	25.44	17.2	0.44	312	190	< 0.5	< 2	0.05	14.5	1	101	204	3.00	< 10	1910	0.19	< 10	0.04
3840	205	226	250	-----	< 0.2	0.57	14	1790	< 0.5	< 2	6.41	0.5	4	41	6	4.05	< 10	80	0.20	< 10	1.30
3841	205	226	15	-----	< 0.2	0.53	42	920	< 0.5	< 2	3.46	< 0.5	7	41	10	3.46	< 10	20	0.25	10	0.65
3842	205	226	15	-----	< 0.2	0.51	4	290	< 0.5	< 2	0.18	< 0.5	1	77	1	1.01	< 10	10	0.25	30	0.05
3843	205	226	10	-----	< 0.2	0.52	2	430	< 0.5	< 2	0.33	< 0.5	3	66	5	1.00	< 10	10	0.26	20	0.08
3844	205	226	< 5	-----	0.2	0.16	22	20	< 0.5	6	< 0.01	< 0.5	18	173	33	4.17	< 10	790	0.07	< 10	0.01
3845	205	226	< 5	-----	< 0.2	0.76	10	60	< 0.5	< 2	0.14	< 0.5	8	28	36	3.10	< 10	30	0.19	10	0.36
3846	205	226	< 5	-----	0.2	3.15	18	430	0.5	< 2	0.20	0.5	21	138	57	5.11	< 10	130	0.22	10	2.09
3847	205	226	10	-----	1.8	0.09	18	10	< 0.5	22	0.01	< 0.5	22	149	1335	6.14	< 10	1460	0.04	< 10	0.01
3848	205	226	10	-----	0.2	0.09	32	< 10	< 0.5	< 2	< 0.01	< 0.5	2	11	3	>15.00	< 10	< 10	< 0.01	< 10	< 0.01
3849	205	226	< 5	-----	0.2	0.05	< 2	< 10	< 0.5	< 2	< 0.01	1.5	3	< 1	1	>15.00	< 10	< 10	< 0.01	< 10	< 0.01
3850	205	226	< 5	-----	< 0.2	0.12	44	< 10	< 0.5	< 2	< 0.01	< 0.5	2	10	2	>15.00	< 10	< 10	< 0.01	< 10	< 0.01
010477	205	226	< 5	-----	< 0.2	2.89	8	190	0.5	< 2	1.43	< 0.5	16	19	46	5.35	< 10	30	0.38	10	0.93
010478	205	226	< 5	-----	< 0.2	1.54	10	100	< 0.5	< 2	0.32	< 0.5	15	58	31	3.67	< 10	10	0.25	10	0.84
010479	205	226	< 5	-----	1.2	0.59	38	530	0.5	< 2	0.80	48.5	5	38	30	2.62	< 10	240	0.36	20	0.17
010480	205	226	< 5	-----	< 0.2	3.77	2	150	< 0.5	< 2	5.00	1.5	24	47	29	5.90	< 10	20	0.23	< 10	2.76
010481	205	226	< 5	-----	< 0.2	3.55	4	50	< 0.5	< 2	6.75	< 0.5	24	78	42	5.51	10	< 10	0.13	10	2.51
010482	205	226	< 5	-----	< 0.2	3.37	34	80	< 0.5	< 2	2.51	< 0.5	19	64	42	5.97	10	< 10	0.14	10	1.98
010483	205	226	< 5	-----	< 0.2	2.31	6	110	< 0.5	< 2	0.85	< 0.5	18	27	36	4.38	< 10	< 10	0.27	< 10	1.01
010484	205	226	< 5	-----	89.0	0.33	710	1850	< 0.5	< 2	0.13	9.5	6	102	1980	2.47	< 10	11700	0.20	10	0.06
010485	205	226	< 5	-----	2.0	0.34	76	330	< 0.5	< 2	1.08	1.0	1	51	75	3.12	< 10	120	0.23	< 10	0.40
010486	205	226	< 5	-----	0.2	0.36	6	2210	< 0.5	< 2	2.85	8.0	4	26	20	2.38	< 10	180	0.28	10	0.92
010487	205	226	170	-----	>100.0	0.16	698	230	< 0.5	8	0.11	80.5	5	87	4970	2.99	< 10	8210	0.10	< 10	0.21
010488	205	226	395	-----	>100.0	0.18	1785	540	< 0.5	2	0.06	10.0	5	132	4950	2.52	< 10	34600	0.11	< 10	0.07
010489	205	226	< 5	-----	5.0	2.00	20	30	< 0.5	< 2	6.94	>100.0	26	41	258	3.42	10	13500	0.08	< 10	1.57
010490	205	226	< 5	-----	4.6	1.70	56	10	< 0.5	< 2	2.60	>100.0	11	56	353	2.06	10	4230	< 0.01	< 10	1.57

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Page per :1-B
Total Pages :3
Certificate Date: 11-SEP-97
Invoice No. :19740809
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740809

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3825	205 226	3220	< 1	< 0.01	< 1	450	452	140	4	123	< 0.01	< 10	< 10	22	< 10	222
3826	205 226	585	3	< 0.01	1	840	20	2	3	99	< 0.01	< 10	< 10	11	< 10	96
3827	205 226	530	3	< 0.01	1	1030	16	< 2	4	79	< 0.01	< 10	< 10	17	< 10	86
3828	205 226	515	1	< 0.01	1	960	40	< 2	4	74	< 0.01	< 10	< 10	16	< 10	164
3829	205 226	390	55	0.03	64	750	2	4	7	66	< 0.01	< 10	< 10	53	< 10	246
3830	205 226	1255	1	0.02	1	300	16	< 2	1	36	< 0.01	< 10	< 10	5	< 10	96
3831	205 226	1455	1	0.02	1	330	12	< 2	1	21	< 0.01	< 10	< 10	4	< 10	120
3832	205 226	1215	< 1	0.03	1	390	80	2	1	18	< 0.01	< 10	< 10	5	< 10	238
3833	205 226	1150	< 1	0.04	1	310	6	< 2	1	25	< 0.01	< 10	< 10	4	< 10	104
3834	205 226	260	4	0.01	3	230	6	< 2	< 1	28	< 0.01	< 10	< 10	2	< 10	64
3835	205 226	240	1	0.03	3	300	92	< 2	< 1	20	< 0.01	< 10	< 10	3	< 10	98
3836	205 226	440	1	0.04	3	290	42	< 2	1	29	< 0.01	< 10	< 10	3	< 10	122
3837	205 226	105	2	0.03	8	1190	38	< 2	5	45	< 0.01	< 10	< 10	26	< 10	92
3838	205 226	1275	< 1	0.02	176	510	< 2	< 2	24	155	< 0.01	< 10	< 10	153	< 10	64
3839	205 226	20	< 1	0.01	3	190	4340	< 2	1	9	< 0.01	< 10	< 10	6	< 10	3350
3840	205 226	5760	< 1	0.01	9	260	30	< 2	1	235	< 0.01	< 10	< 10	13	< 10	144
3841	205 226	3230	< 1	0.05	1	1090	10	< 2	7	200	< 0.01	< 10	< 10	19	< 10	78
3842	205 226	1735	< 1	0.04	1	240	2	< 2	< 1	17	< 0.01	< 10	< 10	4	< 10	48
3843	205 226	1505	< 1	0.05	1	260	4	< 2	< 1	29	< 0.01	< 10	< 10	4	< 10	50
3844	205 226	35	7	< 0.01	5	30	6	< 2	< 1	23	< 0.01	< 10	< 10	4	< 10	2
3845	205 226	360	1	0.04	< 1	860	4	< 2	2	34	< 0.01	< 10	< 10	26	< 10	36
3846	205 226	790	6	0.03	79	1090	8	< 2	11	35	< 0.01	< 10	< 10	92	< 10	132
3847	205 226	50	38	< 0.01	4	50	20	8	< 1	5	< 0.01	< 10	< 10	4	< 10	2
3848	205 226	5	< 1	< 0.01	< 1	810	2	< 2	< 1	< 1	< 0.01	< 10	40	234	< 10	10
3849	205 226	15	< 1	< 0.01	< 1	80	4	< 2	< 1	< 1	< 0.01	< 10	40	53	< 10	24
3850	205 226	10	< 1	< 0.01	< 1	750	2	2	< 1	< 1	< 0.01	< 10	40	140	< 10	14
010477	205 226	1375	< 1	0.02	18	960	12	2	9	73	< 0.01	< 10	< 10	41	< 10	102
010478	205 226	785	< 1	0.03	16	790	2	< 2	8	12	< 0.01	< 10	< 10	76	< 10	120
010479	205 226	3380	< 1	< 0.01	1	550	410	< 2	2	43	< 0.01	< 10	< 10	11	< 10	2610
010480	205 226	1565	< 1	< 0.01	26	940	320	< 2	9	171	< 0.01	< 10	< 10	94	< 10	508
010481	205 226	1490	< 1	0.03	46	2460	62	< 2	13	306	< 0.01	< 10	< 10	130	< 10	182
010482	205 226	1350	< 1	0.03	31	2390	78	< 2	7	101	< 0.01	< 10	< 10	109	< 10	308
010483	205 226	530	< 1	0.04	9	730	< 2	< 2	5	39	< 0.01	< 10	< 10	79	< 10	38
010484	205 226	1465	2	< 0.01	1	380	4810	222	3	107	< 0.01	< 10	< 10	16	< 10	1500
010485	205 226	5300	< 1	< 0.01	1	420	36	12	3	62	< 0.01	< 10	< 10	9	< 10	674
010486	205 226	6090	< 1	< 0.01	1	710	64	4	4	114	< 0.01	< 10	< 10	25	< 10	384
010487	205 226	2760	< 1	< 0.01	2	130	>10000	2310	3	26	< 0.01	< 10	< 10	36	< 10	6980
010488	205 226	1315	2	< 0.01	3	170	6270	1620	2	30	< 0.01	< 10	< 10	26	< 10	2630
010489	205 226	1735	43	0.05	75	600	4780	18	14	111	< 0.01	< 10	< 10	443	< 10	>10000
010490	205 226	1040	26	0.03	56	570	70	6	14	14	0.31	< 10	< 10	379	< 10	>10000

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. :I9740809
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740809

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
010491	205	226	10	-----	1.8	2.51	124	< 10	0.5	< 2	3.76	>100.0	12	53	209	1.30	10	3990	< 0.01	< 10	0.65
010492	205	226	10	-----	0.8	2.17	32	< 10	< 0.5	< 2	4.20	2.5	21	43	90	5.64	10	220	0.01	< 10	1.72
010493	205	226	< 5	-----	>100.0	0.33	424	2320	< 0.5	< 2	0.17	2.0	3	86	1790	2.33	< 10	42100	0.20	< 10	0.06
108532	205	226	10	-----	11.6	0.19	380	70	< 0.5	< 2	0.05	< 0.5	4	167	17	4.94	< 10	2590	0.07	< 10	0.03
108533	205	226	10	-----	2.0	0.11	16	< 10	< 0.5	< 2	< 0.01	< 0.5	1	54	8	8.91	< 10	1510	0.08	< 10	< 0.01
108534	205	226	< 5	-----	< 0.2	0.18	12	530	0.5	< 2	11.35	0.5	1	33	6	1.34	< 10	250	0.09	< 10	5.39
108535	205	226	< 5	-----	< 0.2	0.24	44	200	< 0.5	< 2	1.28	1.0	3	114	14	1.88	< 10	160	0.11	< 10	0.40
108536	205	226	< 5	-----	< 0.2	0.27	32	210	< 0.5	< 2	4.64	3.0	3	28	26	1.77	< 10	420	0.13	< 10	1.16
108537	205	226	< 5	-----	< 0.2	0.61	44	70	0.5	< 2	1.69	< 0.5	7	12	26	3.01	< 10	470	0.29	< 10	0.54
108538	205	226	< 5	-----	0.6	0.51	138	< 10	< 0.5	< 2	0.56	3.0	11	22	69	12.35	< 10	1090	0.19	< 10	0.06
108539	205	226	< 5	-----	< 0.2	2.85	< 2	70	< 0.5	< 2	5.76	< 0.5	25	148	39	4.12	< 10	< 10	0.02	< 10	3.17
108540	205	226	< 5	-----	< 0.2	1.81	26	210	0.5	< 2	7.49	< 0.5	35	333	80	5.18	< 10	90	0.03	< 10	3.44
108541	205	226	< 5	-----	0.6	0.95	28	210	< 0.5	< 2	0.19	< 0.5	2	15	11	5.61	< 10	120	0.33	< 10	0.10
108542	205	226	< 5	-----	60.6	0.58	254	1560	0.5	< 2	0.41	6.0	7	38	967	3.04	< 10	1210	0.29	10	0.23
108543	205	226	430	-----	>100.0	0.11	32	90	< 0.5	< 2	0.02	>100.0	1	142	57	2.10	< 10	8890	0.06	< 10	0.07
108544	205	226	< 5	-----	5.0	0.40	106	80	< 0.5	< 2	0.03	0.5	< 1	58	8	1.66	< 10	190	0.26	< 10	0.03
108545	205	226	< 5	-----	16.2	0.32	26	2360	< 0.5	< 2	0.96	1.5	8	55	59	2.10	< 10	1280	0.21	10	0.42
108546	205	226	540	-----	>100.0	0.06	46	990	< 0.5	< 2	0.01	11.0	3	188	88	1.23	< 10	14700	0.04	< 10	0.01
108547	205	226	100	-----	>100.0	0.17	60	30	< 0.5	< 2	0.03	>100.0	5	85	301	3.04	< 10	>100000	0.10	< 10	0.03
108548	205	226	125	-----	>100.0	0.15	24	1300	< 0.5	< 2	0.04	12.5	3	192	100	1.56	< 10	5550	0.09	< 10	0.04
108549	205	226	< 5	-----	2.0	0.67	58	30	0.5	< 2	1.85	< 0.5	12	28	17	4.45	< 10	580	0.26	< 10	0.35
108550	205	226	< 5	-----	0.4	0.96	194	10	1.0	< 2	0.90	< 0.5	18	13	42	5.30	< 10	760	0.33	10	0.18
230801	205	226	15	-----	13.2	0.25	38	30	< 0.5	< 2	0.08	>100.0	5	56	20	3.07	< 10	2860	0.14	< 10	0.05
230802	205	226	< 5	-----	< 0.2	0.08	16	70	< 0.5	2	>15.00	5.5	10	2	39	1.87	< 10	300	0.05	30	0.29
230803	205	226	< 5	-----	1.0	0.18	1165	< 10	< 0.5	< 2	0.06	< 0.5	6	69	21	11.35	< 10	3110	0.12	< 10	< 0.01
230804	205	226	< 5	-----	1.8	0.17	644	10	< 0.5	< 2	0.49	< 0.5	5	52	23	14.90	< 10	1180	0.11	< 10	0.09
230805	205	226	10	-----	24.6	0.12	268	60	< 0.5	< 2	3.09	< 0.5	7	109	46	4.65	< 10	1350	0.08	< 10	1.13
230806	205	226	10	-----	22.4	0.04	352	400	< 0.5	< 2	0.02	< 0.5	< 1	207	29	4.32	< 10	3390	0.02	< 10	< 0.01
230807	205	226	< 5	-----	0.6	0.43	24	70	< 0.5	< 2	0.66	< 0.5	12	107	84	2.60	< 10	80	0.17	< 10	0.07
230808	205	226	< 5	-----	< 0.2	0.56	10	210	< 0.5	< 2	8.32	< 0.5	10	31	16	3.03	< 10	110	0.15	< 10	2.20
230809	205	226	< 5	-----	< 0.2	0.57	6	110	< 0.5	< 2	9.73	< 0.5	10	29	14	2.76	< 10	120	0.14	< 10	2.72
230810	205	226	< 5	-----	< 0.2	0.41	6	40	< 0.5	< 2	14.90	< 0.5	6	18	7	1.85	< 10	60	0.02	< 10	2.78
230811	205	226	< 5	-----	< 0.2	0.99	10	330	< 0.5	< 2	4.44	< 0.5	12	14	39	4.55	< 10	< 10	0.11	< 10	1.46
230812	205	226	< 5	-----	< 0.2	1.33	< 2	80	< 0.5	< 2	10.85	< 0.5	7	19	7	2.40	< 10	< 10	0.06	< 10	2.39
230813	205	226	30	-----	0.2	1.31	296	20	< 0.5	< 2	14.55	< 0.5	9	8	287	7.25	< 10	40	< 0.01	< 10	0.84
230814	205	226	< 5	-----	< 0.2	0.62	58	60	< 0.5	< 2	0.41	< 0.5	6	24	34	4.49	< 10	< 10	0.22	10	0.08
230815	205	226	< 5	-----	< 0.2	0.37	170	380	< 0.5	< 2	0.04	< 0.5	3	61	20	5.67	< 10	660	0.10	< 10	0.01
230816	205	226	15	-----	0.2	0.71	4	50	0.5	< 2	0.63	2.0	14	22	40	4.18	< 10	< 10	0.38	10	0.19
230817	205	226	< 5	-----	< 0.2	0.43	48	90	< 0.5	< 2	4.43	< 0.5	10	24	33	3.18	< 10	280	0.21	10	0.32
230818	205	226	< 5	-----	< 0.2	0.80	136	10	< 0.5	< 2	0.72	< 0.5	12	29	59	7.71	< 10	780	0.24	10	0.13

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
010491	205	226	605	33	0.01	76	620	52	< 2	9	10	0.25	< 10	< 10	510	< 10	>10000
010492	205	226	1445	17	0.01	38	590	44	< 2	19	29	0.31	< 10	< 10	395	< 10	406
010493	205	226	2050	< 1	< 0.01	1	450	48	246	3	55	< 0.01	< 10	< 10	16	< 10	614
108532	205	226	905	3	< 0.01	3	370	284	106	3	11	< 0.01	< 10	< 10	66	< 10	194
108533	205	226	35	3	< 0.01	4	10	< 2	10	< 1	39	< 0.01	< 10	< 10	5	< 10	30
108534	205	226	3710	4	< 0.01	5	200	2	4	3	330	< 0.01	< 10	< 10	11	< 10	112
108535	205	226	360	8	0.03	17	540	4	< 2	3	94	< 0.01	< 10	< 10	10	< 10	136
108536	205	226	605	20	< 0.01	47	420	6	2	6	192	< 0.01	< 10	< 10	25	< 10	312
108537	205	226	330	9	< 0.01	11	330	14	< 2	5	45	< 0.01	< 10	< 10	7	< 10	88
108538	205	226	215	49	< 0.01	61	1020	6	2	6	38	< 0.01	< 10	10	30	< 10	274
108539	205	226	615	< 1	0.11	94	1100	< 2	< 2	15	91	0.34	< 10	< 10	106	< 10	58
108540	205	226	995	< 1	0.01	165	1210	< 2	< 2	20	365	< 0.01	< 10	< 10	140	< 10	62
108541	205	226	95	21	0.06	6	2110	10	< 2	5	56	< 0.01	< 10	< 10	30	< 10	36
108542	205	226	2290	< 1	< 0.01	4	790	1430	340	9	51	< 0.01	< 10	< 10	69	< 10	2230
108543	205	226	1200	< 1	< 0.01	2	< 10	>10000	46	< 1	12	< 0.01	< 10	< 10	9	< 10	>10000
108544	205	226	35	1	0.01	1	230	96	14	2	40	< 0.01	< 10	< 10	19	< 10	78
108545	205	226	3140	< 1	< 0.01	3	970	658	30	5	125	< 0.01	< 10	< 10	34	< 10	1180
108546	205	226	1250	1	< 0.01	3	10	5440	84	< 1	18	< 0.01	< 10	< 10	15	< 10	2560
108547	205	226	2410	< 1	< 0.01	1	150	>10000	88	2	12	< 0.01	< 10	< 10	27	< 10	>10000
108548	205	226	1605	< 1	< 0.01	4	70	3270	92	1	29	< 0.01	< 10	< 10	39	< 10	2790
108549	205	226	1420	3	0.01	3	1440	180	8	6	101	< 0.01	< 10	< 10	23	< 10	156
108550	205	226	560	1	0.01	4	1900	22	26	6	94	< 0.01	< 10	< 10	28	< 10	116
230801	205	226	3910	< 1	< 0.01	1	350	>10000	6	3	11	< 0.01	< 10	< 10	18	< 10	>10000
230802	205	226	4610	1	< 0.01	2	50	138	< 2	< 1	503	< 0.01	< 10	< 10	2	< 10	1820
230803	205	226	70	22	< 0.01	17	130	64	186	1	5	< 0.01	< 10	10	5	< 10	76
230804	205	226	205	25	< 0.01	24	290	20	38	1	27	< 0.01	< 10	10	6	< 10	70
230805	205	226	3360	6	< 0.01	1	180	192	42	3	105	< 0.01	< 10	< 10	24	< 10	1390
230806	205	226	240	3	< 0.01	3	60	274	96	< 1	8	< 0.01	< 10	< 10	58	< 10	50
230807	205	226	155	4	< 0.01	54	240	30	2	3	16	< 0.01	< 10	< 10	6	< 10	26
230808	205	226	755	2	0.01	18	570	6	2	4	195	< 0.01	< 10	< 10	29	< 10	68
230809	205	226	820	3	0.01	17	620	8	2	3	200	< 0.01	< 10	< 10	35	< 10	48
230810	205	226	955	7	< 0.01	21	410	2	< 2	4	587	< 0.01	< 10	< 10	33	< 10	42
230811	205	226	1410	< 1	0.05	3	1130	< 2	< 2	6	79	< 0.01	< 10	< 10	76	< 10	74
230812	205	226	920	4	0.01	14	730	4	< 2	4	254	< 0.01	< 10	< 10	30	< 10	28
230813	205	226	3930	< 1	< 0.01	12	290	6	2	3	403	< 0.01	< 10	< 10	39	< 10	34
230814	205	226	210	9	0.05	2	1630	< 2	< 2	5	21	< 0.01	< 10	< 10	57	< 10	44
230815	205	226	115	24	0.03	12	220	2	< 2	3	54	< 0.01	< 10	< 10	43	< 10	188
230816	205	226	530	2	0.01	1	2070	26	< 2	4	51	< 0.01	< 10	< 10	20	< 10	176
230817	205	226	1165	2	0.03	3	1040	2	< 2	5	445	< 0.01	< 10	< 10	22	< 10	54
230818	205	226	220	1	0.04	3	1420	< 2	< 2	7	63	< 0.01	< 10	< 10	31	< 10	64

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. :19740809
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740809

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
230819	205	226	< 5	-----	0.2	0.63	120	< 10	< 0.5	< 2	0.31	1.5	17	12	114	>15.00	< 10	90	0.11	< 10	0.14
230820	205	226	< 5	-----	< 0.2	0.70	< 2	50	< 0.5	< 2	0.45	0.5	7	26	10	3.64	< 10	10	0.32	< 10	0.15
230821	205	226	< 5	-----	< 0.2	2.59	< 2	60	< 0.5	< 2	1.76	< 0.5	25	20	85	4.65	< 10	< 10	0.20	10	2.13
230822	205	226	< 5	-----	0.2	0.54	42	80	< 0.5	< 2	0.29	< 0.5	10	67	40	2.16	< 10	510	0.30	< 10	0.04
230823	205	226	< 5	-----	6.4	0.36	160	320	< 0.5	< 2	0.03	< 0.5	4	98	70	2.70	< 10	870	0.27	< 10	< 0.01
230824	205	226	< 5	-----	7.6	0.46	94	130	< 0.5	< 2	0.08	< 0.5	3	81	28	2.54	< 10	420	0.32	< 10	0.02
230825	205	226	< 5	-----	2.4	0.43	60	310	< 0.5	< 2	0.10	< 0.5	5	75	23	2.55	< 10	940	0.31	< 10	0.03
230826	205	226	< 5	-----	2.4	0.38	14	1830	< 0.5	< 2	0.25	< 0.5	5	160	53	1.72	< 10	320	0.24	< 10	0.06
230827	205	226	< 5	-----	0.2	0.54	74	20	< 0.5	< 2	0.74	1.0	15	32	41	4.70	< 10	1570	0.32	< 10	0.12
230828	205	226	< 5	-----	< 0.2	0.21	4	1140	< 0.5	< 2	1.10	< 0.5	1	106	7	1.11	< 10	10	0.09	10	0.19
230829	205	226	< 5	-----	< 0.2	0.25	42	1230	< 0.5	< 2	2.25	< 0.5	15	68	166	2.33	< 10	70	0.10	10	0.55
230851	205	226	< 5	-----	< 0.2	0.94	12	60	< 0.5	< 2	0.01	< 0.5	6	22	14	2.96	< 10	240	0.02	< 10	< 0.01
230852	205	226	< 5	-----	< 0.2	0.54	< 2	70	< 0.5	< 2	0.91	< 0.5	< 1	128	1	0.51	< 10	< 10	0.36	10	0.05
230853	205	226	5	-----	< 0.2	0.89	12	130	0.5	< 2	0.43	< 0.5	14	19	27	3.42	< 10	50	0.30	30	0.08
230854	205	226	10	-----	16.0	0.12	14	420	< 0.5	2	0.18	94.5	4	204	86	1.92	< 10	110	0.07	< 10	0.14
230855	205	226	40	-----	7.6	0.17	12	330	< 0.5	2	1.32	>100.0	6	141	37	1.96	< 10	3380	0.08	< 10	0.37
230856	205	226	< 5	-----	30.8	0.27	504	1290	< 0.5	< 2	0.09	3.5	4	170	1525	1.84	< 10	3110	0.18	< 10	0.03
230857	205	226	< 5	-----	0.4	0.41	12	1990	< 0.5	< 2	0.97	5.5	7	36	20	3.44	< 10	90	0.32	10	0.30
230858	205	226	2460	2.47	28.4	0.21	106	560	< 0.5	< 2	0.04	61.5	4	173	142	1.68	< 10	3290	0.12	< 10	0.05
358493	205	226	< 5	-----	< 0.2	1.38	10	100	< 0.5	< 2	2.12	0.5	7	28	38	3.79	< 10	40	0.35	< 10	1.07
358494	205	226	< 5	-----	< 0.2	4.30	< 2	40	< 0.5	< 2	1.46	< 0.5	28	74	63	4.73	10	< 10	0.05	< 10	4.04
358495	205	226	< 5	-----	< 0.2	3.80	< 2	20	< 0.5	< 2	2.08	< 0.5	24	82	76	3.52	< 10	< 10	0.03	< 10	3.15
358496	205	226	< 5	-----	< 0.2	1.36	4	60	0.5	< 2	0.99	< 0.5	9	13	32	3.61	< 10	10	0.25	10	0.93
358497	205	226	< 5	-----	< 0.2	0.90	10	140	< 0.5	2	0.06	< 0.5	4	20	12	2.44	< 10	450	0.02	< 10	0.09
358498	205	226	< 5	-----	< 0.2	1.36	< 2	140	< 0.5	< 2	2.29	< 0.5	11	18	10	3.03	< 10	< 10	0.17	10	1.19

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Page . ,ber :3-B
Total Pages :3
Certificate Date: 11-SEP-97
Invoice No. :I9740809
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740809

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
230819	205	226	160	119	0.03	24	160	2	2	10	27	< 0.01	< 10	20	122	< 10	80
230820	205	226	375	2	0.02	< 1	1110	58	< 2	2	41	< 0.01	< 10	< 10	21	< 10	122
230821	205	226	290	< 1	< 0.01	9	2720	< 2	< 2	6	48	0.01	< 10	< 10	69	< 10	80
230822	205	226	190	< 1	< 0.01	4	1250	42	10	3	57	< 0.01	< 10	< 10	23	< 10	44
230823	205	226	120	< 1	< 0.01	1	620	430	42	5	28	< 0.01	< 10	< 10	18	< 10	248
230824	205	226	215	< 1	< 0.01	1	820	72	16	5	21	< 0.01	< 10	< 10	21	< 10	96
230825	205	226	205	27	< 0.01	2	910	192	14	5	28	< 0.01	< 10	< 10	24	< 10	126
230826	205	226	760	< 1	< 0.01	4	530	10	16	4	55	< 0.01	< 10	< 10	12	< 10	64
230827	205	226	410	23	< 0.01	6	1300	78	24	7	68	< 0.01	< 10	< 10	21	< 10	888
230828	205	226	1355	< 1	0.07	2	210	2	< 2	< 1	62	< 0.01	< 10	< 10	3	< 10	28
230829	205	226	2520	< 1	0.06	7	690	10	< 2	5	134	< 0.01	< 10	< 10	21	< 10	62
230851	205	226	10	1	< 0.01	< 1	30	2	< 2	< 1	19	< 0.01	< 10	< 10	12	< 10	6
230852	205	226	60	< 1	0.06	1	3810	< 2	< 2	1	17	< 0.01	< 10	< 10	5	< 10	6
230853	205	226	2650	< 1	0.04	1	1120	< 2	< 2	8	26	< 0.01	< 10	< 10	38	< 10	138
230854	205	226	2160	< 1	< 0.01	3	10	3970	28	3	32	< 0.01	< 10	< 10	11	< 10	>10000
230855	205	226	4370	< 1	< 0.01	3	150	4930	10	7	42	< 0.01	< 10	< 10	24	< 10	>10000
230856	205	226	820	< 1	< 0.01	3	300	250	200	1	37	< 0.01	< 10	< 10	9	< 10	1010
230857	205	226	4410	1	< 0.01	2	770	66	6	6	71	< 0.01	< 10	< 10	31	< 10	1110
230858	205	226	1620	8	< 0.01	3	170	2870	34	2	24	< 0.01	< 10	< 10	17	10	9540
358493	205	226	600	21	0.04	25	690	10	< 2	8	61	< 0.01	< 10	< 10	82	< 10	168
358494	205	226	745	< 1	0.10	88	500	< 2	< 2	5	51	0.25	< 10	< 10	98	< 10	62
358495	205	226	545	< 1	0.24	68	360	< 2	< 2	4	74	0.21	< 10	< 10	56	< 10	48
358496	205	226	1315	1	0.01	4	870	18	2	2	32	< 0.01	< 10	< 10	30	< 10	112
358497	205	226	25	1	0.01	2	80	2	< 2	< 1	77	< 0.01	< 10	< 10	11	< 10	4
358498	205	226	2110	< 1	0.05	2	1140	< 2	< 2	7	50	0.09	< 10	< 10	81	< 10	84

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:HENRY AWMACK

Page Number : 1-A
Total Pages : 1
Certificate Date: 15-SEP-97
Invoice No. : I9741834
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9741834

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
M230901	205	226	5	16.0	0.35	48	1480	< 0.5	< 2	0.20	6.0	8	87	128	2.61	< 10	870	0.20	< 10	0.08	2560
M230902	205	226	< 5	7.0	0.48	36	2370	< 0.5	< 2	0.24	5.5	7	72	46	2.32	< 10	530	0.27	< 10	0.09	2440
M230903	205	226	< 5	30.0	0.36	44	2250	< 0.5	< 2	0.21	3.5	6	113	111	1.77	< 10	1820	0.22	< 10	0.06	1835
M230904	205	226	< 5	19.8	0.40	78	1890	< 0.5	< 2	0.33	6.0	8	63	308	2.52	< 10	940	0.24	10	0.13	2680
M230905	205	226	< 5	37.0	0.38	30	1340	< 0.5	2	0.39	6.5	8	44	34	2.15	< 10	4100	0.23	10	0.14	2880
M230906	205	226	< 5	1.4	0.41	14	1640	< 0.5	< 2	0.78	10.0	10	36	7	3.33	< 10	190	0.23	10	0.36	5430
M230907	205	226	< 5	5.6	0.46	44	1890	< 0.5	< 2	0.58	3.5	14	24	15	3.35	< 10	300	0.26	< 10	0.31	4860
M230908	205	226	75	38.4	0.26	98	1190	< 0.5	< 2	0.20	26.5	13	95	155	4.30	< 10	2490	0.14	< 10	0.22	3630
M230909	205	226	< 5	19.6	0.39	66	1360	0.5	2	0.27	3.5	14	38	55	5.62	< 10	710	0.24	< 10	0.21	3530
M230910	205	226	10	53.8	0.07	98	1060	< 0.5	< 2	0.43	4.0	7	185	90	1.00	< 10	2600	0.05	< 10	0.12	620

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:HENRY AWMACK

Page Number : 1-B
Total Pages : 1
Certificate Date: 15-SEP-97
Invoice No. : I9741834
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9741834

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
M230901	205	226	< 1	0.08	2	600	1075	46	3	40	< 0.01	< 10	< 10	25	< 10	1460
M230902	205	226	1	0.07	2	760	840	16	4	55	< 0.01	< 10	< 10	26	< 10	1400
M230903	205	226	1	0.07	2	370	482	38	3	55	< 0.01	< 10	< 10	18	< 10	1315
M230904	205	226	< 1	0.10	2	730	968	96	3	51	< 0.01	< 10	< 10	32	< 10	1920
M230905	205	226	< 1	0.09	2	820	636	14	3	70	< 0.01	< 10	< 10	27	< 10	1760
M230906	205	226	< 1	0.09	2	910	812	2	6	121	< 0.01	< 10	< 10	43	< 10	1755
M230907	205	226	< 1	0.09	3	1020	392	8	6	90	< 0.01	< 10	< 10	42	< 10	1935
M230908	205	226	< 1	0.27	3	530	690	58	4	47	< 0.01	< 10	< 10	38	< 10	5510
M230909	205	226	< 1	0.07	4	770	306	20	8	58	< 0.01	< 10	< 10	36	< 10	1500
M230910	205	226	4	0.06	4	120	226	24	1	35	< 0.01	< 10	< 10	26	< 10	1230

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BUL97-01
Comments: ATTN: HENRY AWMACK

Page Number : 1-A
Total Pages : 1
Certificate Date: 11-DEC-97
Invoice No. : I9752435
P.O. Number : RDN
Account : EIA

CERTIFICATE OF ANALYSIS A9752435

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
8481	205	226	< 5	< 0.2	0.11	12	150	0.5	< 2	14.85	0.5	< 1	10	10	1.17	< 10	< 1	0.05	< 10	6.83	3450
8482	205	226	< 5	1.0	0.46	102	60	< 0.5	< 2	0.30	< 0.5	7	38	43	3.62	< 10	< 1	0.32	< 10	0.04	85
8483	205	226	< 5	1.4	0.13	586	10	< 0.5	< 2	0.25	< 0.5	4	42	34	12.55	< 10	1	0.11	< 10	0.05	135
8484	205	226	< 5	< 0.2	0.44	20	50	< 0.5	< 2	3.28	< 0.5	2	111	9	3.54	< 10	1	0.21	< 10	1.18	1040
8485	205	226	< 5	0.2	0.29	674	10	< 0.5	< 2	0.01	< 0.5	1	56	13	7.51	< 10	1	0.21	< 10	0.01	30
8486	205	226	< 5	< 0.2	0.30	2750	< 10	< 0.5	< 2	0.45	< 0.5	6	92	15	>15.00	< 10	5	0.21	< 10	0.09	195
8487	205	226	< 5	< 0.2	0.35	42	230	1.0	< 2	10.10	< 0.5	4	27	15	1.82	< 10	1	0.19	< 10	3.84	2420
8488	205	226	< 5	< 0.2	0.23	18	220	1.5	< 2	14.00	2.5	< 1	13	10	1.36	< 10	< 1	0.11	< 10	6.42	6820
8489	205	226	< 5	< 0.2	0.21	80	60	0.5	< 2	8.98	< 0.5	6	21	17	2.71	< 10	< 1	0.14	< 10	4.23	3410
8490	205	226	< 5	58.2	0.05	308	< 10	< 0.5	< 2	0.10	0.5	1	193	58	8.90	< 10	2	0.04	< 10	0.04	120

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BUL97-01
Comments: ATTN: HENRY AWMACK

Page Number : 1-B
Total Pages : 1
Certificate Date: 11-DEC-97
Invoice No. : I9752435
P.O. Number : RDN
Account : EIA

CERTIFICATE OF ANALYSIS A9752435

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
8481	205	226	3	< 0.01	11	290	12	2	3	292	< 0.01	< 10	< 10	12	< 10	60
8482	205	226	16	< 0.01	6	1050	30	30	1	38	< 0.01	< 10	< 10	14	< 10	22
8483	205	226	10	< 0.01	9	190	< 2	46	1	21	< 0.01	< 10	< 10	6	< 10	12
8484	205	226	1	0.01	8	740	< 2	8	3	121	< 0.01	< 10	< 10	10	< 10	12
8485	205	226	6	< 0.01	2	10	< 2	90	< 1	4	< 0.01	< 10	< 10	6	< 10	< 2
8486	205	226	124	< 0.01	92	370	< 2	122	2	34	< 0.01	< 10	< 10	12	< 10	38
8487	205	226	3	< 0.01	5	770	< 2	8	4	347	< 0.01	< 10	< 10	13	< 10	38
8488	205	226	3	< 0.01	8	180	2	2	4	263	< 0.01	< 10	< 10	12	< 10	280
8489	205	226	10	< 0.01	11	680	6	18	10	295	< 0.01	< 10	< 10	29	< 10	62
8490	205	226	1	< 0.01	3	10	108	52	< 1	4	< 0.01	< 10	< 10	30	< 10	84

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9740725

Comments: ATTN: DAVID CAULFIELD

CERTIFICATE A9740725

(EIA) - EQUITY ENGINEERING LTD.

Project: RDN
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	31	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
20	31	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000

Chemex Labs Ltd.

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD

Certificate Date: 10-SEP-97
Invoice No. : I9740725
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9740725

SAMPLE	PREP CODE		Hg ppb
3816M	244	--	90
3817M	244	--	20
3818M	244	--	40
3819M	244	--	50
3820M	244	--	50
3821M	244	--	240
3822M	244	--	10
3823M	244	--	2080
3824M	244	--	< 10
626729H	244	--	10
626730H	244	--	< 10
626731H	244	--	30
626732H	244	--	10
626733H	244	--	< 10
626734H	244	--	< 10
626735H	244	--	50
626736H	244	--	20
626737H	244	--	160
626738H	244	--	10
626739H	244	--	490
626740H	244	--	2040
626741H	244	--	2820
626742H	244	--	30
626743H	244	--	10
626744H	244	--	10
626745H	244	--	90
626746H	244	--	110
626747H	244	--	250
626748H	244	--	60
626749H	244	--	50
626750H	244	--	10

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

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VANCOUVER, BC
V6B 1N2

Project : BUL97-01
Comments: ATTN: HENRY AWMACK

Page Number :1
Total Pages :1
Certificate Date: 17-DEC-97
Invoice No. :I9753270
P.O. Number :RDN
Account :EIA

CERTIFICATE OF ANALYSIS A9753270

SAMPLE	PREP CODE		Hg ppb									
8481	244	--	420									
8482	244	--	550									
8483	244	--	1170									
8484	244	--	770									
8485	244	--	1660									
8486	244	--	5240									
8487	244	--	760									
8488	244	--	270									
8489	244	--	450									
8490	244	--	2340									

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9741925

Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

CERTIFICATE A9741925

(EIA) - EQUITY ENGINEERING LTD.

Project: RDN
P.O. # : BUL97-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	13	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
384	7	Ag g/t: Gravimetric	FA-GRAVIMETRIC	3	1000
312	4	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	8	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD ATTN: A.W. MARK

Page Number :1
Total Pages :1
Certificate Date: 17-SEP-97
Invoice No. :I9741925
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9741925

SAMPLE	PREP CODE	Ag FA g/t	Pb %	Zn %
010487	244 --	434	1.24	-----
010488	244 --	287	-----	-----
010489	244 --	-----	-----	3.00
010490	244 --	-----	-----	2.43
010491	244 --	-----	-----	2.91
010493	244 --	245	-----	-----
108543	244 --	131	3.13	2.81
108546	244 --	272	-----	-----
108547	244 --	437	11.65	4.33
108548	244 --	231	-----	-----
230801	244 --	-----	3.58	6.57
230854	244 --	-----	-----	1.57
230855	244 --	-----	-----	1.71

CERTIFICATION: _____

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Project : BUL97-01
Comments: ATTN: HENRY AWMACK

Page Number :1
Total Pages :1
Certificate Date: 15-DEC-97
Invoice No. :19753393
P.O. Number :RDN
Account :EIA

CERTIFICATE OF ANALYSIS A9753393

SAMPLE	PREP CODE	Ag FA g/t
8490	244 --	70

CERTIFICATION: _____

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9740811

Comments: ATTN:DAVID CAULFIELD C.C. HENRY AWMACK

CERTIFICATE A9740811

(EIA) - EQUITY ENGINEERING LTD.

Project: RDN
P.O. # : BUL97-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	6	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	4	Al2O3 %: XRF	XRF	0.01	100.00
906	4	CaO %: XRF	XRF	0.01	100.00
2590	4	Cr2O3 %: XRF	XRF	0.01	100.00
903	4	Fe2O3 %: XRF	XRF	0.01	100.00
908	4	K2O %: XRF	XRF	0.01	100.00
905	4	MgO %: XRF	XRF	0.01	100.00
1989	4	MnO %: XRF	XRF	0.01	100.00
907	4	Na2O %: XRF	XRF	0.01	100.00
909	4	P2O5 %: XRF	XRF	0.01	100.00
901	4	SiO2 %: XRF	XRF	0.01	100.00
904	4	TiO2 %: XRF	XRF	0.01	100.00
910	4	LOI %: XRF	XRF	0.01	100.00
2540	4	Total %	CALCULATION	0.01	105.00
2840	4	Ba ppm: ICP-MS	ICP-MS	1	10000
2841	4	Ce ppm: ICP-MS	ICP-MS	1	10000
2842	4	Hf ppm: ICP-MS	ICP-MS	1	10000
2843	4	La ppm: ICP-MS	ICP-MS	1	10000
2844	4	Nb ppm: ICP-MS	ICP-MS	1	10000
2845	4	Rb ppm: ICP-MS	ICP-MS	1	10000
2846	4	Sr ppm: ICP-MS	ICP-MS	1	10000
2847	4	Ta ppm: ICP-MS	ICP-MS	1	10000
2848	4	Y ppm: ICP-MS	ICP-MS	1	10000
2849	4	Zr ppm: ICP-MS	ICP-MS	1	10000
3551	2	Ba %: XRF	XRF	0.1	100.0

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD C.C. HENRY AWMACK

Page Number :1-A
Total Pages :1
Certificate Date: 16-SEP-97
Invoice No. :19740811
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740811

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm
108539	299	--	15.13	12.06	< 0.01	7.69	0.57	6.54	0.11	3.22	0.37	44.64	0.87	8.22	99.42	367
108544	299	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
108545	299	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
358494	299	--	16.49	7.40	< 0.01	10.60	1.01	9.91	0.17	2.76	0.17	44.43	1.07	5.32	99.33	193
358495	299	--	16.09	10.11	< 0.01	9.83	0.42	8.14	0.16	2.96	0.14	45.48	1.10	4.94	99.37	175
358498	299	--	15.97	4.20	< 0.01	6.25	3.13	2.54	0.32	5.16	0.33	55.98	0.50	4.52	98.90	908

CERTIFICATION: Stan Pezdler

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD C.C. HENRY AWMACK

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-SEP-97
Invoice No. : I9740811
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9740811

SAMPLE	PREP CODE		Cs ppm	Hf ppm	La ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Y ppm	Zr ppm	Ba XRF %
108539	299	--	1	< 1	11	5	6	319	1	20	36	-----
108544	299	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	3.0
108545	299	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	0.4
358494	299	--	1	< 1	2	1	6	143	< 1	14	13	-----
358495	299	--	1	< 1	2	1	5	284	< 1	16	30	-----
358498	299	--	3	< 1	24	5	60	484	< 1	22	35	-----

CERTIFICATION: David Bichler

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9739118

Comments: ATTN:DAVID CAULFIELD

CERTIFICATE A9739118

(EIA) - EQUITY ENGINEERING LTD.

Project: RDN
P.O. # : BUL97-01

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	213	Dry, sieve to -80 mesh
202	213	save reject
229	192	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	213	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	213	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	213	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	213	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	213	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	213	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	213	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	213	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	213	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	213	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	213	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	213	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	213	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	213	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
20	213	Hg ppb: HNO3-HCl digestion	AAS-FLAMELESS	10	100000
2132	213	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	213	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	213	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	213	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	213	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	213	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	213	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	213	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	213	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	213	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	213	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	213	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	213	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	213	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	213	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	213	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	213	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	213	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. :19739118
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L650E 1650N	201	202	< 5	< 0.2	1.56	< 2	80	< 0.5	< 2	0.17	< 0.5	6	26	40	7.04	10	70	0.06	< 10	0.31	685
L650E 1675N	201	202	< 5	< 0.2	2.07	< 2	140	0.5	< 2	0.43	< 0.5	15	23	33	4.49	< 10	30	0.07	< 10	0.77	860
L650E 1700N	201	202	25	< 0.2	2.09	2	170	< 0.5	< 2	0.63	< 0.5	7	21	24	3.78	< 10	30	0.05	< 10	0.54	330
L650E 1725N	201	202	< 5	0.4	1.10	< 2	130	< 0.5	< 2	0.12	< 0.5	5	17	47	3.75	< 10	70	0.07	< 10	0.16	480
L650E 1750N	201	202	< 5	0.6	2.16	2	200	< 0.5	< 2	0.23	< 0.5	10	21	27	5.41	< 10	70	0.09	< 10	0.51	1305
L650E 1775N	201	202	< 5	0.2	2.43	2	120	< 0.5	< 2	0.17	< 0.5	10	22	37	5.05	10	30	0.09	10	0.66	805
L650E 1800N	201	202	< 5	0.6	3.56	6	230	0.5	< 2	0.16	< 0.5	15	34	70	7.26	10	60	0.18	10	0.65	2170
L700E 1650N	201	202	5	0.2	1.80	2	210	< 0.5	< 2	0.29	< 0.5	6	27	63	5.55	10	180	0.06	< 10	0.28	260
L700E 1675N	201	202	< 5	0.4	2.81	4	200	0.5	< 2	0.68	< 0.5	15	27	43	5.55	< 10	60	0.07	10	0.68	1070
L700E 1700N	201	202	< 5	0.2	1.70	< 2	160	< 0.5	< 2	0.17	< 0.5	6	25	40	6.13	10	70	0.05	< 10	0.22	345
L700E 1725N	201	202	< 5	0.6	2.09	2	250	1.0	< 2	0.72	2.0	17	35	80	4.83	< 10	150	0.11	20	0.62	4190
L700E 1750N	201	202	< 5	0.2	2.05	< 2	110	< 0.5	< 2	0.21	< 0.5	7	15	27	5.20	10	80	0.09	10	0.29	495
L700E 1775N	201	202	< 5	0.4	2.76	4	130	< 0.5	< 2	0.18	< 0.5	11	26	42	6.25	10	80	0.12	< 10	0.83	1085
L700E 1800N	201	202	< 5	1.0	2.65	< 2	110	0.5	< 2	0.13	< 0.5	6	13	42	4.18	< 10	160	0.08	10	0.27	475
L700E 1825N	201	202	< 5	< 0.2	3.53	< 2	120	< 0.5	< 2	0.14	< 0.5	13	29	47	6.67	10	70	0.12	10	0.91	855
L700E 1850N	201	202	< 5	0.4	3.21	< 2	500	2.0	< 2	1.00	0.5	14	25	57	4.42	< 10	100	0.09	30	0.77	1135
L700E 1875N	201	202	< 5	0.2	5.44	< 2	190	0.5	< 2	0.82	< 0.5	16	11	22	3.50	< 10	140	0.06	20	0.23	720
L700E 1900N	201	202	< 5	0.2	3.04	< 2	260	1.0	< 2	0.62	0.5	16	25	50	4.98	< 10	70	0.10	20	0.86	1280
L750E 1650N	201	202	< 5	0.2	0.75	< 2	200	< 0.5	< 2	1.05	< 0.5	6	16	68	4.07	10	30	0.07	< 10	0.17	355
L750E 1675N	201	202	< 5	0.2	1.48	< 2	90	< 0.5	< 2	0.87	< 0.5	5	24	43	4.30	10	100	0.05	10	0.23	315
L750E 1700N	201	202	< 5	0.2	2.65	6	240	0.5	< 2	0.86	1.5	24	45	59	5.58	< 10	50	0.08	10	0.86	2870
L750E 1725N	201	202	< 5	0.8	1.69	2	210	0.5	< 2	1.42	1.5	7	22	44	2.84	< 10	100	0.07	10	0.22	1045
L750E 1750N	201	202	< 5	0.6	5.57	4	210	1.0	< 2	0.80	1.5	26	26	38	5.73	< 10	120	0.04	10	0.32	6310
L750E 1775N	201	202	5	0.6	3.69	4	220	2.0	< 2	0.70	2.5	23	19	86	4.60	< 10	150	0.09	30	0.61	3750
L750E 1800N	201	202	< 5	0.2	2.67	4	380	0.5	< 2	0.48	0.5	17	26	53	4.56	< 10	40	0.12	10	1.18	1175
L750E 1825N	201	202	< 5	0.8	6.35	4	160	1.5	< 2	0.22	1.0	31	21	63	3.59	< 10	130	0.09	20	0.57	5630
L750E 1850N	201	202	< 5	< 0.2	1.92	4	60	< 0.5	< 2	0.10	< 0.5	13	22	40	6.40	10	80	0.08	10	0.36	595
L750E 1875N	201	202	< 5	0.2	2.84	< 2	240	1.0	< 2	0.43	0.5	13	24	41	4.16	< 10	40	0.09	10	0.93	1565
L750E 1900N	201	202	< 5	0.2	2.04	< 2	100	< 0.5	< 2	0.20	< 0.5	9	21	31	5.46	10	30	0.07	< 10	0.44	860
L750E 1925N	201	202	< 5	< 0.2	2.38	< 2	360	0.5	< 2	0.62	< 0.5	14	21	35	4.61	< 10	40	0.09	10	0.90	900
L750E 1950N	201	202	5	0.8	1.58	6	290	0.5	< 2	1.23	2.5	10	9	70	3.63	< 10	130	0.08	10	0.33	1660
L750E 1975N	201	202	10	0.2	2.47	4	50	< 0.5	< 2	0.17	< 0.5	8	27	37	6.23	< 10	110	0.06	< 10	0.61	580
L800E 1650N	201	202	< 5	0.2	1.49	< 2	330	< 0.5	< 2	0.48	0.5	8	28	43	5.80	10	20	0.06	< 10	0.21	820
L800E 1675N	201	202	< 5	0.8	2.24	4	350	1.5	< 2	1.52	3.0	16	63	128	3.85	< 10	230	0.08	30	0.65	3550
L800E 1700N	201	202	< 5	0.4	2.52	< 2	300	0.5	< 2	0.38	0.5	19	31	44	6.43	10	120	0.08	< 10	0.61	3270
L800E 1725N	201	202	15	0.2	2.12	6	190	0.5	< 2	0.18	0.5	15	26	78	6.02	< 10	100	0.09	10	0.37	3420
L800E 1750N	201	202	< 5	1.0	2.33	14	310	0.5	< 2	0.23	0.5	19	27	120	5.80	< 10	80	0.12	< 10	0.38	2450
L800E 1775N	201	202	< 5	0.2	2.07	40	160	0.5	< 2	0.08	< 0.5	12	11	26	6.05	< 10	80	0.13	10	0.29	1575
L800E 1800N	201	202	< 5	< 0.2	1.28	< 2	90	< 0.5	< 2	0.19	< 0.5	8	12	39	3.85	< 10	20	0.10	< 10	0.38	1040
L800E 1825N	201	202	20	0.6	2.39	< 2	120	0.5	< 2	0.19	0.5	14	16	49	4.98	< 10	50	0.07	10	0.55	2700

CERTIFICATION: _____

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :1-B
Total Pages :6
Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

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CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L650E 1650N	201	202	2	0.02	10	2350	58	< 2	4	13	0.08	< 10	< 10	154	< 10	98
L650E 1675N	201	202	1	0.02	14	460	18	< 2	6	34	0.05	< 10	< 10	74	< 10	156
L650E 1700N	201	202	1	0.02	11	670	28	< 2	4	44	0.01	< 10	< 10	60	< 10	204
L650E 1725N	201	202	2	0.01	9	480	16	< 2	2	12	0.08	< 10	< 10	93	< 10	58
L650E 1750N	201	202	2	0.02	11	1250	18	2	3	18	0.03	< 10	< 10	94	< 10	128
L650E 1775N	201	202	1	0.02	13	1770	18	< 2	4	19	0.05	< 10	< 10	89	< 10	126
L650E 1800N	201	202	3	0.02	16	1420	24	2	6	20	0.11	< 10	< 10	129	< 10	170
L700E 1650N	201	202	6	0.01	13	680	26	< 2	3	28	0.05	< 10	< 10	110	< 10	72
L700E 1675N	201	202	2	0.02	17	1060	20	2	5	55	0.03	< 10	< 10	95	< 10	170
L700E 1700N	201	202	4	0.01	12	550	24	< 2	3	21	0.14	< 10	< 10	148	< 10	64
L700E 1725N	201	202	4	0.03	28	1410	48	< 2	13	39	0.01	< 10	< 10	57	< 10	414
L700E 1750N	201	202	2	0.01	9	1320	20	2	3	15	0.06	< 10	< 10	102	< 10	88
L700E 1775N	201	202	2	0.02	15	1250	22	2	5	19	0.06	< 10	< 10	111	< 10	124
L700E 1800N	201	202	1	0.01	6	1460	16	2	3	12	0.07	< 10	< 10	87	< 10	86
L700E 1825N	201	202	3	0.02	19	900	16	2	6	17	0.05	< 10	< 10	101	< 10	136
L700E 1850N	201	202	4	0.02	14	1820	18	2	12	133	0.05	< 10	< 10	66	< 10	188
L700E 1875N	201	202	4	0.01	5	1970	8	2	7	128	0.02	< 10	< 10	32	< 10	90
L700E 1900N	201	202	2	0.03	17	1230	28	2	9	53	0.04	< 10	< 10	69	< 10	362
L750E 1650N	201	202	6	0.01	11	410	18	< 2	4	81	0.16	< 10	< 10	162	< 10	120
L750E 1675N	201	202	4	0.01	9	560	20	< 2	3	70	0.10	< 10	< 10	92	< 10	54
L750E 1700N	201	202	3	0.04	28	1120	38	2	10	47	0.03	< 10	< 10	85	< 10	494
L750E 1725N	201	202	3	0.02	16	1640	22	< 2	3	67	0.01	< 10	< 10	50	< 10	152
L750E 1750N	201	202	9	0.02	12	1750	98	2	6	54	0.04	< 10	< 10	64	< 10	262
L750E 1775N	201	202	7	0.03	20	1520	56	< 2	9	46	0.01	< 10	< 10	49	< 10	310
L750E 1800N	201	202	2	0.02	21	390	20	< 2	10	83	0.06	< 10	< 10	78	< 10	186
L750E 1825N	201	202	3	0.01	14	3360	16	2	12	24	0.06	< 10	< 10	54	< 10	300
L750E 1850N	201	202	3	0.02	11	1450	62	< 2	4	12	0.06	< 10	< 10	117	< 10	136
L750E 1875N	201	202	2	0.03	18	890	12	2	7	37	0.05	< 10	< 10	65	< 10	276
L750E 1900N	201	202	3	0.02	10	850	36	< 2	5	21	0.06	< 10	< 10	94	< 10	180
L750E 1925N	201	202	2	0.03	15	730	22	< 2	6	53	0.03	< 10	< 10	62	< 10	244
L750E 1950N	201	202	4	0.03	13	1440	56	< 2	5	110	< 0.01	< 10	< 10	33	< 10	348
L750E 1975N	201	202	1	0.01	11	1100	118	2	4	13	0.02	< 10	< 10	83	< 10	136
L800E 1650N	201	202	3	0.01	16	1060	32	< 2	4	51	0.09	< 10	< 10	137	< 10	98
L800E 1675N	201	202	4	0.03	29	1690	18	2	11	116	0.02	< 10	< 10	57	< 10	238
L800E 1700N	201	202	2	0.03	18	860	106	< 2	5	23	0.06	< 10	< 10	115	< 10	296
L800E 1725N	201	202	9	0.03	17	1060	44	< 2	4	14	0.03	< 10	< 10	85	< 10	286
L800E 1750N	201	202	8	0.02	26	1700	18	2	4	12	0.01	< 10	< 10	75	< 10	188
L800E 1775N	201	202	3	0.02	8	1210	42	2	2	10	0.01	< 10	< 10	82	< 10	140
L800E 1800N	201	202	4	0.01	8	800	18	< 2	3	16	0.03	< 10	< 10	65	< 10	82
L800E 1825N	201	202	5	0.02	14	1590	52	2	5	16	0.03	< 10	< 10	58	< 10	236

CERTIFICATION:

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L800E 1850N	201	202	10	1.0	0.67	6	80	< 0.5	< 2	0.09	< 0.5	5	11	97	3.68	< 10	< 10	0.10	10	0.04	410
L800E 1875N	201	202	15	1.4	2.74	2	400	1.5	< 2	1.10	5.0	23	19	120	5.73	10	90	0.05	20	0.20	5250
L800E 1900N	201	202	5	1.0	1.63	< 2	520	1.5	< 2	2.08	3.5	8	16	94	2.34	< 10	160	0.04	20	0.42	3570
L800E 1925N	201	202	< 5	0.4	0.56	< 2	350	< 0.5	< 2	2.50	1.5	3	6	27	1.92	< 10	160	0.05	< 10	0.38	815
L800E 1950N	201	202	65	0.4	0.60	8	180	< 0.5	< 2	1.10	1.5	5	8	66	3.30	< 10	70	0.08	< 10	0.18	220
L800E 1975N	201	202	15	0.2	1.61	6	70	< 0.5	< 2	0.08	< 0.5	6	19	62	5.12	10	100	0.06	10	0.21	420
L800E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L800E 2025N	201	202	5	0.6	2.26	< 2	40	< 0.5	< 2	0.10	< 0.5	4	22	59	4.32	< 10	190	0.05	10	0.23	245
L800E 2050N	201	202	< 5	0.2	2.71	< 2	210	0.5	< 2	0.50	2.0	16	25	46	4.52	< 10	60	0.12	10	1.08	1450
L800E 2075N	201	202	35	0.4	3.47	6	170	1.0	< 2	0.75	1.5	14	26	51	3.90	< 10	120	0.11	10	0.73	1265
L800E 2100N	201	202	< 5	< 0.2	1.26	2	80	< 0.5	< 2	0.11	< 0.5	4	6	11	2.16	< 10	70	0.11	10	0.29	425
L800E 2125N	201	202	< 5	< 0.2	1.76	2	90	< 0.5	< 2	0.11	< 0.5	1	11	16	1.67	10	80	0.06	10	0.14	90
L800E 2150N	201	202	20	0.2	1.08	14	350	0.5	< 2	0.46	1.0	12	19	34	4.61	< 10	180	0.11	< 10	0.64	1980
L850E 1650N	201	202	< 5	0.2	0.44	< 2	70	< 0.5	< 2	1.03	0.5	4	12	36	1.99	< 10	120	0.06	< 10	0.12	485
L850E 1675N	201	202	< 5	0.4	2.73	2	120	0.5	< 2	0.13	< 0.5	16	44	48	5.10	< 10	110	0.06	< 10	0.52	2320
L850E 1700N	201	202	< 5	0.2	2.66	6	190	0.5	< 2	0.24	< 0.5	10	27	46	5.22	< 10	70	0.10	< 10	0.59	1385
L850E 1725N	201	202	< 5	< 0.2	1.87	20	190	1.0	< 2	0.16	0.5	9	7	34	4.01	< 10	40	0.12	< 10	0.28	575
L850E 1750N	201	202	10	0.6	1.81	< 2	260	0.5	2	0.17	4.0	9	15	29	4.43	10	50	0.06	10	0.17	3440
L850E 1775N	201	202	< 5	< 0.2	1.58	< 2	130	< 0.5	2	0.23	0.5	8	9	24	5.33	< 10	110	0.12	< 10	0.16	1160
L850E 1800N	201	202	105	3.4	0.96	< 2	70	< 0.5	2	0.07	0.5	6	13	69	4.30	< 10	80	0.09	< 10	0.08	545
L850E 1825N	201	202	< 5	0.2	0.63	6	60	< 0.5	< 2	0.07	< 0.5	6	8	42	3.99	< 10	50	0.07	10	0.04	335
L850E 1850N	201	202	< 5	0.4	1.78	4	370	0.5	< 2	0.93	2.5	17	11	48	4.43	< 10	70	0.09	10	0.35	2800
L850E 1875N	201	202	< 5	0.2	0.89	10	60	< 0.5	< 2	0.07	< 0.5	6	12	47	6.43	10	40	0.10	< 10	0.06	520
L850E 1900N	201	202	5	0.4	4.62	2	290	1.5	< 2	1.39	2.5	7	9	55	2.79	< 10	160	0.09	20	0.21	1310
L850E 1925N	201	202	25	0.2	1.90	4	50	< 0.5	< 2	0.07	< 0.5	13	10	58	5.15	< 10	90	0.12	10	0.18	1190
L850E 1950N	201	202	10	0.8	0.98	6	80	< 0.5	< 2	0.07	0.5	7	12	75	3.96	< 10	40	0.08	10	0.05	775
L850E 1975N	201	202	20	1.4	2.73	< 2	450	2.0	< 2	0.83	7.5	19	20	184	4.88	10	140	0.06	50	0.42	5490
L850E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L850E 2025N	201	202	25	0.2	2.03	< 2	220	0.5	< 2	0.64	2.5	13	19	47	4.54	< 10	60	0.08	10	0.53	1335
L850E 2050N	201	202	10	0.8	2.66	4	140	1.0	< 2	0.31	2.0	18	24	51	5.30	10	80	0.06	10	0.40	3190
L850E 2075N	201	202	10	0.4	1.88	4	120	0.5	< 2	1.43	1.5	11	20	42	2.78	< 10	110	0.06	10	0.43	1150
L850E 2100N	201	202	< 5	0.4	1.11	< 2	50	< 0.5	< 2	0.10	< 0.5	4	12	34	2.62	< 10	40	0.04	10	0.04	150
L850E 2125N	201	202	< 5	0.2	0.29	< 2	40	< 0.5	< 2	0.18	< 0.5	1	2	42	0.52	< 10	60	0.03	< 10	0.03	100
L850E 2150N	201	202	10	0.4	0.71	< 2	60	< 0.5	< 2	0.39	< 0.5	5	11	29	2.12	< 10	100	0.04	10	0.20	160
L850E 2175N	201	202	5	0.2	1.30	10	70	< 0.5	< 2	0.16	< 0.5	6	14	53	3.26	10	40	0.11	10	0.14	245
L850E 2200N	201	202	10	< 0.2	1.81	6	80	< 0.5	< 2	0.19	0.5	8	18	36	3.62	10	30	0.12	10	0.35	605
L850E 2225N	201	202	15	0.2	1.21	22	250	0.5	< 2	0.38	0.5	11	21	38	5.15	< 10	180	0.13	10	0.68	980
L900E 1650N	201	202	5	0.2	2.27	< 2	400	1.0	< 2	0.47	< 0.5	9	7	17	4.18	< 10	70	0.15	10	0.33	3020
L900E 1700N	201	202	< 5	0.4	2.38	< 2	300	1.0	< 2	0.42	0.5	10	15	27	4.97	10	70	0.12	20	0.41	3040
L900E 1725N	201	202	15	0.6	2.03	< 2	160	0.5	< 2	0.25	0.5	8	9	10	3.91	< 10	90	0.15	10	0.17	5910

CERTIFICATION:

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L800E 1850N	201	202	4	0.01	10	1240	48	< 2	2	11	0.07	< 10	< 10	76	< 10	134
L800E 1875N	201	202	5	0.01	15	1550	120	2	8	102	0.18	< 10	< 10	64	< 10	258
L800E 1900N	201	202	3	0.03	11	1550	8	2	3	188	0.06	< 10	< 10	32	< 10	190
L800E 1925N	201	202	2	0.02	5	880	30	< 2	1	226	0.03	< 10	< 10	26	< 10	218
L800E 1950N	201	202	7	0.01	9	500	22	< 2	3	89	0.10	< 10	< 10	60	< 10	218
L800E 1975N	201	202	3	0.01	8	790	68	< 2	3	11	0.04	< 10	< 10	94	< 10	196
L800E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L800E 2025N	201	202	2	0.01	5	960	60	< 2	3	18	0.05	< 10	< 10	76	< 10	72
L800E 2050N	201	202	3	0.04	19	880	58	< 2	9	51	0.05	< 10	< 10	70	< 10	540
L800E 2075N	201	202	3	0.04	19	1270	44	2	10	43	0.04	< 10	< 10	72	< 10	446
L800E 2100N	201	202	< 1	0.01	1	760	8	< 2	< 1	15	0.01	< 10	< 10	53	< 10	50
L800E 2125N	201	202	1	< 0.01	1	480	24	< 2	3	16	0.09	< 10	< 10	50	< 10	38
L800E 2150N	201	202	3	0.03	24	880	32	< 2	11	33	< 0.01	< 10	< 10	54	< 10	168
L850E 1650N	201	202	3	< 0.01	6	850	8	< 2	1	90	0.10	< 10	< 10	56	< 10	58
L850E 1675N	201	202	3	0.01	25	2290	26	2	4	11	0.02	< 10	< 10	71	< 10	200
L850E 1700N	201	202	3	0.03	17	1830	30	< 2	4	16	0.04	< 10	< 10	92	< 10	336
L850E 1725N	201	202	< 1	< 0.01	21	1260	14	< 2	5	13	< 0.01	< 10	< 10	31	< 10	200
L850E 1750N	201	202	< 1	< 0.01	4	1000	210	< 2	3	13	0.13	< 10	< 10	101	< 10	530
L850E 1775N	201	202	1	< 0.01	5	1110	24	< 2	1	12	0.02	< 10	< 10	63	< 10	148
L850E 1800N	201	202	1	< 0.01	9	1660	30	< 2	1	8	0.10	< 10	< 10	80	< 10	96
L850E 1825N	201	202	2	0.01	8	1620	34	< 2	< 1	9	0.06	< 10	< 10	89	< 10	60
L850E 1850N	201	202	3	0.03	12	1350	70	< 2	6	89	0.02	< 10	< 10	41	< 10	318
L850E 1875N	201	202	1	0.01	6	4000	66	< 2	1	10	0.04	< 10	< 10	92	< 10	108
L850E 1900N	201	202	3	0.04	8	1440	12	2	4	150	0.03	< 10	< 10	27	< 10	588
L850E 1925N	201	202	3	0.03	11	1280	72	2	7	9	< 0.01	< 10	< 10	31	< 10	342
L850E 1950N	201	202	4	0.01	8	970	100	2	3	11	0.11	< 10	< 10	85	< 10	206
L850E 1975N	201	202	3	0.04	12	2130	62	2	12	102	0.09	< 10	< 10	72	< 10	598
L850E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L850E 2025N	201	202	3	0.04	9	800	74	< 2	5	89	0.04	< 10	< 10	66	< 10	522
L850E 2050N	201	202	12	0.03	8	1660	202	< 2	5	44	0.07	< 10	< 10	83	< 10	350
L850E 2075N	201	202	3	0.03	12	1070	56	< 2	4	69	0.03	< 10	< 10	57	< 10	244
L850E 2100N	201	202	5	< 0.01	5	320	34	< 2	1	12	0.13	< 10	< 10	84	< 10	48
L850E 2125N	201	202	< 1	< 0.01	4	460	6	< 2	< 1	17	0.03	< 10	< 10	6	< 10	22
L850E 2150N	201	202	5	0.01	6	1270	12	< 2	4	45	0.03	< 10	< 10	65	< 10	54
L850E 2175N	201	202	3	0.01	7	330	24	< 2	3	30	0.05	< 10	< 10	108	< 10	82
L850E 2200N	201	202	3	0.01	8	420	34	< 2	5	34	0.07	< 10	< 10	88	< 10	164
L850E 2225N	201	202	2	0.03	22	850	28	2	12	30	0.01	< 10	< 10	61	< 10	162
L900E 1650N	201	202	3	0.01	3	970	12	< 2	4	21	0.01	< 10	< 10	63	< 10	138
L900E 1700N	201	202	1	0.02	8	970	16	< 2	3	30	0.07	< 10	< 10	77	< 10	248
L900E 1725N	201	202	3	0.04	6	1560	96	< 2	3	15	0.01	< 10	< 10	50	< 10	862

CERTIFICATION: _____

* FOR L1100E

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L900E 1750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L900E 1775N	201	202	< 5	1.2	1.90	< 2	120	0.5	< 2	0.09	1.0	6	6	20	4.68	< 10	80	0.10	10	0.13	4790
L900E 1800N	201	202	< 5	1.8	1.31	< 2	200	0.5	< 2	0.25	0.5	8	5	18	3.94	< 10	90	0.15	10	0.13	4810
L900E 1825N	201	202	< 5	0.8	0.52	< 2	110	< 0.5	< 2	0.08	0.5	7	5	37	4.07	< 10	30	0.11	10	0.05	4040
L900E 1875N	201	202	< 5	0.2	0.89	14	230	0.5	< 2	0.98	3.0	8	5	24	3.11	< 10	110	0.14	< 10	0.25	530
L900E 1900N	201	202	25	0.2	1.52	10	130	< 0.5	< 2	0.10	< 0.5	8	10	47	5.68	< 10	180	0.11	< 10	0.14	935
L900E 1925N	201	202	105	0.6	0.76	10	80	< 0.5	2	0.08	< 0.5	5	7	84	3.66	< 10	70	0.13	< 10	0.05	350
L900E 1950N	201	202	75	1.0	1.31	8	300	< 0.5	< 2	0.70	4.0	6	9	92	4.04	< 10	90	0.11	< 10	0.18	1250
L900E 1975N	201	202	35	1.0	1.83	6	330	0.5	< 2	0.64	3.0	9	15	67	4.34	10	90	0.09	10	0.27	1275
L900E 2025N	201	202	35	1.4	1.62	< 2	200	0.5	< 2	1.07	7.5	9	19	142	3.78	< 10	190	0.11	10	0.26	1695
L900E 2050N	201	202	5	< 0.2	1.72	14	110	< 0.5	< 2	0.08	< 0.5	14	13	78	5.34	10	30	0.14	< 10	0.38	465
L900E 2075N	201	202	10	0.2	2.30	6	110	1.0	< 2	1.15	2.5	15	28	112	4.38	< 10	110	0.08	30	0.50	1645
L900E 2100N	201	202	< 5	0.4	1.23	< 2	60	< 0.5	< 2	0.72	< 0.5	5	22	26	3.73	< 10	50	0.07	< 10	0.20	390
L900E 2125N	201	202	15	7.4	2.41	4	200	1.5	< 2	0.50	4.0	12	19	127	3.61	< 10	330	0.07	40	0.38	2780
L900E 2175N	201	202	30	0.6	2.46	10	220	0.5	< 2	0.31	4.0	9	22	65	6.01	< 10	80	0.12	10	0.49	1550
L900E 2200N	201	202	30	1.2	2.18	10	190	0.5	< 2	0.24	5.0	12	23	180	4.49	< 10	60	0.10	10	0.77	1745
L900E 2225N	201	202	15	4.4	3.42	10	340	1.5	< 2	0.28	5.0	15	23	120	4.48	10	150	0.07	10	0.30	3420
L950E 1650N	201	202	< 5	0.2	0.92	< 2	110	< 0.5	< 2	0.04	< 0.5	5	3	13	3.00	< 10	90	0.13	10	0.08	875
L950E 1675N	201	202	< 5	0.2	1.25	< 2	120	< 0.5	< 2	0.26	< 0.5	5	11	10	3.11	< 10	80	0.10	10	0.20	1650
L950E 1700N	201	202	< 5	1.0	1.81	2	290	0.5	< 2	0.09	0.5	8	19	26	4.88	< 10	90	0.07	10	0.21	3800
L950E 1725N	201	202	10	0.8	0.99	2	120	< 0.5	< 2	0.17	< 0.5	10	8	9	3.84	< 10	80	0.10	< 10	0.10	6030
L950E 1750N	201	202	< 5	2.6	1.44	< 2	300	0.5	< 2	0.18	2.0	11	6	16	3.55	< 10	160	0.08	10	0.07	>10000
L950E 1775N	201	202	< 5	0.4	1.27	< 2	90	< 0.5	< 2	0.09	< 0.5	4	4	14	2.85	< 10	80	0.13	10	0.07	2950
L950E 1800N	201	202	10	1.0	1.22	< 2	140	< 0.5	< 2	0.15	< 0.5	5	5	9	3.32	< 10	60	0.09	10	0.07	3610
L950E 1825N	201	202	5	0.6	1.70	< 2	100	0.5	< 2	0.06	0.5	5	5	19	3.62	< 10	60	0.11	10	0.10	4050
L950E 1850N	201	202	< 5	0.6	1.50	< 2	190	0.5	< 2	0.18	1.0	8	6	20	4.27	< 10	60	0.12	10	0.12	5160
L950E 1875N	201	202	< 5	0.4	0.55	< 2	230	< 0.5	< 2	0.47	0.5	10	7	22	2.94	< 10	120	0.14	10	0.08	4930
L950E 1900N	201	202	20	1.0	0.83	6	210	< 0.5	2	0.44	< 0.5	7	6	67	2.80	< 10	80	0.15	10	0.08	2940
L950E 1925N	201	202	15	1.2	1.44	< 2	100	< 0.5	< 2	0.20	< 0.5	5	6	48	3.46	< 10	40	0.13	10	0.08	1435
L950E 1950N	201	202	10	1.4	0.95	< 2	90	< 0.5	< 2	0.06	< 0.5	3	5	37	2.19	< 10	80	0.09	10	0.05	815
L950E 1975N	201	202	15	0.6	0.78	< 2	90	< 0.5	< 2	0.10	< 0.5	4	5	14	2.26	< 10	80	0.07	10	0.04	1575
L950E 2025N	201	202	25	2.0	1.74	4	130	0.5	< 2	0.13	1.0	6	11	59	3.53	< 10	110	0.12	10	0.19	2600
L950E 2050N	201	202	20	0.8	2.35	2	150	0.5	2	0.40	1.5	9	24	55	7.22	10	180	0.07	< 10	0.28	1355
L950E 2075N	201	202	< 5	0.2	1.22	6	50	< 0.5	< 2	0.15	< 0.5	8	25	43	3.58	< 10	30	0.11	< 10	0.21	810
L950E 2100N	201	202	< 5	0.8	1.56	10	80	< 0.5	< 2	0.28	0.5	6	25	44	5.08	10	50	0.06	10	0.21	435
L950E 2125N	201	202	20	1.4	3.65	< 2	200	1.5	< 2	0.46	2.5	18	43	99	5.30	10	100	0.12	30	0.66	3300
L950E 2150N	201	202	15	0.6	2.02	2	90	< 0.5	< 2	0.26	0.5	7	20	45	4.94	10	110	0.11	< 10	0.39	1355
L950E 2175N	201	202	15	1.2	1.55	4	90	< 0.5	< 2	0.13	0.5	6	14	46	3.47	< 10	110	0.09	10	0.18	1515
L950E 2200N	201	202	30	1.0	0.67	< 2	80	< 0.5	< 2	0.19	< 0.5	4	7	107	2.31	< 10	80	0.16	10	0.05	425
L950E 2225N	201	202	25	1.0	0.71	110	70	< 0.5	2	0.09	0.5	8	7	101	5.57	< 10	80	0.14	10	0.06	2410

CERTIFICATION:

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :3-B
Total Pages :6
Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

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CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L900E 1750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L900E 1775N	201	202	1	0.04	2	1490	212	< 2	4	6	< 0.01	< 10	< 10	52	< 10	1040
L900E 1800N	201	202	1	0.03	2	1800	70	< 2	1	12	< 0.01	< 10	< 10	38	< 10	526
L900E 1825N	201	202	< 1	0.02	1	1420	244	< 2	1	11	0.02	< 10	< 10	34	< 10	430
L900E 1875N	201	202	3	0.04	11	600	26	2	5	93	< 0.01	< 10	< 10	17	< 10	992
L900E 1900N	201	202	4	0.02	16	1140	92	< 2	5	11	< 0.01	< 10	< 10	23	< 10	296
L900E 1925N	201	202	5	0.01	9	450	70	< 2	1	9	0.03	< 10	< 10	46	< 10	284
L900E 1950N	201	202	4	0.03	7	880	118	2	1	71	0.01	< 10	< 10	41	< 10	670
L900E 1975N	201	202	2	0.04	7	740	124	< 2	4	123	0.05	< 10	< 10	61	< 10	748
L900E 2025N	201	202	4	0.05	12	1280	100	< 2	5	96	0.03	< 10	< 10	41	< 10	1200
L900E 2050N	201	202	3	0.02	9	400	36	2	6	18	0.05	< 10	< 10	173	< 10	82
L900E 2075N	201	202	5	0.03	16	1240	38	< 2	9	52	0.05	< 10	< 10	56	< 10	360
L900E 2100N	201	202	7	0.01	8	740	50	2	1	31	0.03	< 10	< 10	103	< 10	116
L900E 2125N	201	202	3	0.03	12	1340	376	< 2	5	65	0.03	< 10	< 10	53	< 10	544
L900E 2175N	201	202	3	0.06	10	1680	234	2	3	32	0.01	< 10	< 10	71	< 10	1260
L900E 2200N	201	202	3	0.04	12	780	136	2	4	34	0.02	< 10	< 10	60	< 10	880
L900E 2225N	201	202	4	0.04	9	1330	234	2	4	43	0.08	< 10	< 10	70	< 10	794
L950E 1650N	201	202	1	0.01	1	770	8	< 2	1	6	< 0.01	< 10	< 10	33	< 10	66
L950E 1675N	201	202	1	0.01	6	720	12	< 2	1	11	0.01	< 10	< 10	44	< 10	94
L950E 1700N	201	202	1	0.03	9	740	92	< 2	3	11	0.04	< 10	< 10	66	< 10	506
L950E 1725N	201	202	1	0.01	3	1170	66	< 2	1	7	0.03	< 10	< 10	62	< 10	210
L950E 1750N	201	202	1	0.02	5	1090	40	2	1	10	0.03	< 10	< 10	41	< 10	388
L950E 1775N	201	202	< 1	0.02	1	990	66	< 2	1	7	0.01	< 10	< 10	28	< 10	454
L950E 1800N	201	202	< 1	0.02	1	1050	48	< 2	1	8	0.01	< 10	< 10	35	< 10	340
L950E 1825N	201	202	< 1	0.03	2	1020	154	< 2	2	6	< 0.01	< 10	< 10	29	< 10	646
L950E 1850N	201	202	< 1	0.03	3	1730	190	< 2	2	12	0.01	< 10	< 10	31	< 10	642
L950E 1875N	201	202	1	0.02	3	750	112	< 2	1	27	0.04	< 10	< 10	36	< 10	352
L950E 1900N	201	202	1	0.01	3	820	40	< 2	< 1	31	0.01	< 10	< 10	33	< 10	178
L950E 1925N	201	202	1	0.01	2	990	60	< 2	1	11	0.01	< 10	< 10	37	< 10	176
L950E 1950N	201	202	1	0.01	1	620	36	< 2	1	8	0.01	< 10	< 10	25	< 10	120
L950E 1975N	201	202	1	0.01	1	450	82	< 2	< 1	10	0.01	< 10	< 10	38	< 10	194
L950E 2025N	201	202	1	0.03	4	1660	182	< 2	1	14	0.01	< 10	< 10	45	< 10	452
L950E 2050N	201	202	3	0.03	9	1060	90	2	3	31	0.06	< 10	< 10	90	< 10	326
L950E 2075N	201	202	2	0.01	10	1180	30	< 2	4	16	0.04	< 10	< 10	79	< 10	114
L950E 2100N	201	202	4	0.01	10	690	34	< 2	2	28	0.05	< 10	< 10	103	< 10	112
L950E 2125N	201	202	3	0.03	18	1640	118	2	10	123	0.04	< 10	< 10	77	< 10	514
L950E 2150N	201	202	2	0.02	7	2650	172	< 2	2	18	0.05	< 10	< 10	75	< 10	290
L950E 2175N	201	202	1	0.02	4	1420	154	< 2	2	14	0.06	< 10	< 10	57	< 10	172
L950E 2200N	201	202	1	0.01	2	1190	110	< 2	< 1	14	0.03	< 10	< 10	30	< 10	164
L950E 2225N	201	202	2	0.03	2	3290	652	2	1	10	0.03	< 10	< 10	37	< 10	624

CERTIFICATION:

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. : I9739118
P.O. Number : BUL97-01
Account : EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L950E 2250N	201	202	65	1.2	1.32	14	160	0.5	< 2	0.46	5.5	10	13	116	3.87	< 10	90	0.18	10	0.22	4350
L1000E 1650N	201	202	< 5	< 0.2	3.77	2	100	< 0.5	< 2	0.08	< 0.5	10	61	42	4.53	10	100	0.10	< 10	0.89	520
L1000E 1675N	201	202	< 5	0.2	3.43	6	150	0.5	< 2	0.12	< 0.5	6	27	35	5.79	< 10	110	0.07	10	0.44	480
L1000E 1700N	201	202	< 5	0.4	1.52	< 2	80	< 0.5	< 2	0.08	< 0.5	5	35	41	5.93	< 10	70	0.08	10	0.16	675
L1000E 1725N	201	202	< 5	< 0.2	1.12	< 2	210	< 0.5	< 2	0.62	< 0.5	5	8	9	3.22	< 10	70	0.10	10	0.09	2220
L1000E 1750N	201	202	< 5	0.2	1.55	< 2	260	0.5	< 2	0.21	< 0.5	8	6	13	4.13	< 10	60	0.15	20	0.09	4230
L1000E 1775N	201	202	< 5	< 0.2	0.29	< 2	100	< 0.5	< 2	0.24	< 0.5	6	2	15	3.18	< 10	70	0.17	10	0.04	840
L1000E 1800N	201	202	55	0.6	1.12	< 2	130	< 0.5	< 2	0.08	< 0.5	16	11	16	5.99	< 10	50	0.11	10	0.07	9740
L1000E 1825N	201	202	< 5	0.2	1.00	< 2	80	< 0.5	< 2	0.10	< 0.5	7	16	28	5.14	< 10	40	0.12	10	0.10	3360
L1000E 1850N	201	202	< 5	0.2	2.19	< 2	100	< 0.5	< 2	0.14	< 0.5	5	23	31	5.91	10	130	0.06	< 10	0.35	480
L1000E 1875N	201	202	< 5	0.8	1.69	4	140	0.5	< 2	0.22	2.0	10	12	33	3.86	< 10	80	0.13	40	0.16	7640
L1000E 1900N	201	202	< 5	0.4	0.98	2	70	< 0.5	< 2	0.08	< 0.5	10	15	32	5.84	10	30	0.11	10	0.10	3590
L1000E 1925N	201	202	< 5	0.6	2.41	2	290	1.0	< 2	1.35	1.5	11	23	37	4.78	< 10	70	0.10	10	0.61	4170
L1000E 1950N	201	202	< 5	0.2	3.61	2	170	1.0	< 2	0.12	< 0.5	8	22	24	5.22	10	100	0.09	10	0.46	690
L1000E 1975N	201	202	< 5	0.2	1.78	< 2	90	< 0.5	< 2	0.04	< 0.5	2	6	8	3.39	< 10	50	0.09	10	0.10	910
L1000E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1000E 2025N	201	202	< 5	0.6	1.84	< 2	150	0.5	< 2	0.12	< 0.5	8	9	12	4.14	< 10	80	0.09	10	0.11	3820
L1000E 2050N	201	202	< 5	0.6	1.76	4	180	0.5	< 2	0.36	0.5	13	25	31	5.77	10	100	0.11	10	0.37	4900
L1000E 2075N	201	202	< 5	0.2	1.57	< 2	160	< 0.5	< 2	0.99	< 0.5	9	25	29	4.60	< 10	100	0.07	< 10	0.32	1035
L1000E 2100N	201	202	45	0.8	0.95	2	140	< 0.5	< 2	0.14	1.0	8	7	25	3.90	< 10	70	0.09	10	0.07	3970
L1000E 2125N	201	202	< 5	0.2	1.74	4	170	< 0.5	< 2	0.16	0.5	8	18	22	4.76	< 10	100	0.10	< 10	0.30	2130
L1000E 2150N	201	202	< 5	0.8	1.89	< 2	160	0.5	< 2	0.43	2.5	12	24	62	5.50	< 10	90	0.08	10	0.27	2970
L1000E 2175N	201	202	10	1.0	3.27	4	100	1.0	2	0.30	0.5	15	32	36	7.06	10	120	0.06	20	0.33	2190
L1000E 2200N	201	202	10	1.4	3.72	4	310	2.0	< 2	0.52	2.5	18	32	72	5.77	10	160	0.10	30	0.59	3620
L1000E 2225N	201	202	15	3.0	2.76	< 2	200	1.5	< 2	3.25	17.0	10	19	190	2.91	< 10	370	0.05	20	0.39	2410
L1000E 2250N	201	202	10	1.0	0.70	< 2	80	< 0.5	< 2	0.66	0.5	6	14	65	3.81	< 10	50	0.05	10	0.08	265
L1000E 2275N	201	202	5	2.2	2.25	4	180	0.5	< 2	0.76	3.5	9	19	62	4.74	10	90	0.08	10	0.36	2310
L1000E 2300N	201	202	15	0.2	0.97	12	70	< 0.5	< 2	0.13	< 0.5	7	12	39	4.70	< 10	50	0.12	10	0.10	1445
L1000E 2325N	201	202	20	0.6	0.79	8	90	< 0.5	< 2	0.71	1.5	8	6	25	2.92	< 10	120	0.09	10	0.10	2510
L1000E 2350N	201	202	45	0.6	1.80	< 2	140	< 0.5	< 2	0.20	2.5	8	13	72	3.97	< 10	120	0.10	10	0.17	1935
L1000E 2375N	201	202	20	0.2	0.57	6	80	< 0.5	< 2	0.16	1.0	6	8	62	3.25	< 10	30	0.10	10	0.05	695
L1050E 1650N	201	202	< 5	0.2	2.29	8	310	0.5	< 2	0.23	0.5	8	20	46	3.82	10	80	0.08	10	0.54	340
L1050E 1675N	201	202	< 5	< 0.2	3.38	14	340	2.0	2	0.38	0.5	17	148	73	6.56	10	60	0.09	20	0.83	1295
L1050E 1700N	201	202	< 5	0.2	3.87	24	180	1.5	< 2	0.89	1.5	19	58	34	3.79	< 10	90	0.05	10	0.54	725
L1050E 1725N	201	202	< 5	0.6	2.88	6	150	0.5	< 2	0.14	1.5	15	44	88	7.13	10	50	0.05	10	0.52	1590
L1050E 1750N	201	202	< 5	0.2	3.26	< 2	170	2.0	< 2	1.03	4.0	23	38	92	5.12	10	120	0.04	30	0.35	5240
L1050E 1775N	201	202	< 5	0.2	3.31	4	80	0.5	< 2	0.15	0.5	10	44	49	5.68	10	70	0.05	10	0.57	530
L1050E 1800N	201	202	< 5	< 0.2	1.95	6	60	< 0.5	< 2	0.12	< 0.5	7	34	51	6.58	10	90	0.06	< 10	0.31	280
L1050E 1825N	201	202	< 5	< 0.2	2.62	< 2	340	1.5	< 2	1.44	2.0	22	50	110	4.75	10	90	0.05	20	0.56	5730
L1050E 1850N	201	202	< 5	< 0.2	2.91	< 2	290	2.0	< 2	0.76	3.5	13	30	70	5.04	10	60	0.07	20	0.41	4570

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SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L950E 2250N	201	202	1	0.04	6	3330	346	< 2	1	26	0.01	< 10	< 10	40	< 10	736
L1000E 1650N	201	202	2	0.01	40	720	6	2	6	12	0.02	< 10	< 10	91	< 10	108
L1000E 1675N	201	202	2	0.02	18	930	14	2	4	10	0.03	< 10	< 10	63	< 10	120
L1000E 1700N	201	202	1	0.01	9	2970	20	< 2	1	7	0.04	< 10	< 10	65	< 10	66
L1000E 1725N	201	202	1	0.01	4	770	8	< 2	1	19	0.04	< 10	< 10	53	< 10	98
L1000E 1750N	201	202	1	0.01	3	1500	12	< 2	2	9	< 0.01	< 10	< 10	34	< 10	140
L1000E 1775N	201	202	< 1	0.01	< 1	1190	8	< 2	2	12	0.01	< 10	< 10	13	< 10	102
L1000E 1800N	201	202	2	0.02	5	1140	48	< 2	2	8	0.05	< 10	< 10	62	< 10	358
L1000E 1825N	201	202	1	0.02	5	2440	208	< 2	1	8	0.04	< 10	< 10	74	< 10	246
L1000E 1850N	201	202	2	0.01	9	950	42	< 2	2	10	0.04	< 10	< 10	87	< 10	112
L1000E 1875N	201	202	1	0.03	5	2950	274	< 2	3	15	0.01	< 10	< 10	41	< 10	544
L1000E 1900N	201	202	2	0.01	5	2560	226	< 2	2	8	0.10	< 10	< 10	85	< 10	216
L1000E 1925N	201	202	3	0.04	14	1880	62	2	4	80	0.04	< 10	< 10	57	< 10	564
L1000E 1950N	201	202	2	0.04	12	900	36	2	5	12	0.08	< 10	< 10	79	< 10	514
L1000E 1975N	201	202	< 1	0.01	1	1000	36	< 2	1	6	0.02	< 10	< 10	41	< 10	228
L1000E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1000E 2025N	201	202	1	0.03	3	1670	94	< 2	1	11	0.01	< 10	< 10	50	< 10	368
L1000E 2050N	201	202	2	0.03	10	1830	206	< 2	3	24	0.09	< 10	< 10	77	< 10	374
L1000E 2075N	201	202	4	0.01	13	610	28	< 2	4	36	0.06	< 10	< 10	100	< 10	148
L1000E 2100N	201	202	1	0.03	3	1270	226	< 2	1	8	0.03	< 10	< 10	40	< 10	578
L1000E 2125N	201	202	1	0.03	8	1110	60	2	2	11	0.02	< 10	< 10	69	< 10	446
L1000E 2150N	201	202	2	0.04	9	1150	198	2	4	20	0.10	< 10	< 10	78	< 10	640
L1000E 2175N	201	202	2	0.03	9	1040	116	2	5	23	0.09	< 10	< 10	88	< 10	290
L1000E 2200N	201	202	3	0.04	14	2150	58	2	9	43	0.06	< 10	< 10	75	< 10	528
L1000E 2225N	201	202	2	0.17	10	3150	62	< 2	5	65	0.03	< 10	< 10	31	< 10	3600
L1000E 2250N	201	202	3	0.01	8	420	68	< 2	1	19	0.14	< 10	< 10	88	< 10	220
L1000E 2275N	201	202	2	0.03	10	1340	158	< 2	5	30	0.07	< 10	< 10	75	< 10	514
L1000E 2300N	201	202	2	0.03	4	2000	354	2	1	11	0.03	< 10	< 10	58	< 10	346
L1000E 2325N	201	202	2	0.03	3	1160	344	< 2	1	18	0.02	< 10	< 10	27	< 10	520
L1000E 2350N	201	202	< 1	< 0.01	5	710	254	< 2	4	17	0.08	< 10	< 10	63	< 10	552
L1000E 2375N	201	202	1	< 0.01	4	1110	76	< 2	2	13	0.08	< 10	< 10	73	< 10	222
L1050E 1650N	201	202	1	< 0.01	13	710	12	< 2	3	27	0.06	< 10	< 10	102	< 10	88
L1050E 1675N	201	202	< 1	0.01	89	1870	12	< 2	9	38	0.02	< 10	< 10	104	< 10	306
L1050E 1700N	201	202	1	0.01	30	1600	8	< 2	10	56	0.02	< 10	< 10	83	< 10	166
L1050E 1725N	201	202	6	< 0.01	31	1110	16	< 2	7	11	0.11	< 10	< 10	134	< 10	132
L1050E 1750N	201	202	4	< 0.01	30	1600	14	< 2	13	41	0.17	< 10	< 10	91	< 10	150
L1050E 1775N	201	202	2	< 0.01	22	970	12	< 2	7	13	0.10	< 10	< 10	109	< 10	200
L1050E 1800N	201	202	1	< 0.01	13	1250	14	< 2	3	9	0.07	< 10	< 10	150	< 10	52
L1050E 1825N	201	202	< 1	< 0.01	33	1990	10	< 2	15	85	0.17	< 10	< 10	79	< 10	188
L1050E 1850N	201	202	< 1	< 0.01	15	1980	44	< 2	6	44	0.09	< 10	< 10	85	< 10	560

CERTIFICATION:

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :5-A
Total Pages :6
Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

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CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L1050E 1875N	201	202	< 5	< 0.2	2.99	< 2	130	0.5	< 2	1.37	2.5	25	66	33	3.88	10	80	0.02	< 10	0.63	3100
L1050E 1900N	201	202	< 5	< 0.2	1.12	< 2	120	0.5	< 2	2.24	1.5	6	10	33	2.07	< 10	90	0.03	10	0.28	1940
L1050E 1925N	201	202	< 5	< 0.2	2.27	2	130	0.5	< 2	0.79	1.0	17	24	26	4.63	< 10	50	0.07	10	0.38	5150
L1050E 1950N	201	202	< 5	0.2	2.72	< 2	180	1.5	< 2	0.56	0.5	6	15	28	3.09	< 10	50	0.07	20	0.16	1855
L1050E 1975N	201	202	< 5	0.6	2.15	8	150	< 0.5	< 2	0.12	0.5	6	14	22	2.37	< 10	90	0.11	10	0.33	1505
L1050E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1050E 2025N	201	202	< 5	0.8	2.34	10	100	< 0.5	< 2	0.07	0.5	5	19	30	5.03	10	120	0.06	10	0.26	440
L1050E 2050N	201	202	< 5	0.4	1.79	2	100	< 0.5	< 2	0.11	1.0	7	21	32	5.07	10	110	0.07	10	0.32	1045
L1050E 2075N	201	202	< 5	0.2	2.76	6	160	< 0.5	2	0.10	0.5	8	38	28	5.02	10	70	0.08	< 10	0.70	725
L1050E 2100N	201	202	10	0.2	2.52	< 2	290	< 0.5	< 2	0.55	0.5	6	28	24	2.61	10	30	0.07	10	0.51	285
L1050E 2125N	201	202	< 5	0.6	2.02	2	90	< 0.5	2	0.13	0.5	5	13	39	3.66	10	100	0.08	10	0.22	1505
L1050E 2150N	201	202	< 5	0.6	2.39	2	210	0.5	< 2	0.09	1.0	7	19	33	4.15	< 10	70	0.08	10	0.33	1695
L1050E 2175N	201	202	10	0.4	1.21	2	100	< 0.5	< 2	0.16	0.5	7	6	44	3.27	< 10	60	0.12	10	0.12	1370
L1050E 2200N	201	202	40	1.2	2.69	18	70	< 0.5	< 2	0.13	1.0	6	28	111	5.33	< 10	170	0.07	10	0.39	510
L1050E 2225N	201	202	45	0.8	3.53	10	150	1.0	< 2	1.33	21.0	20	24	219	5.00	< 10	140	0.07	10	0.29	3770
L1050E 2250N	201	202	15	1.0	2.59	< 2	320	1.5	< 2	1.82	24.0	13	20	195	3.95	< 10	180	0.05	20	0.30	5250
L1050E 2275N	201	202	10	0.2	0.69	4	90	< 0.5	< 2	0.11	0.5	4	11	25	3.18	< 10	70	0.08	10	0.08	665
L1050E 2300N	201	202	< 5	0.2	1.35	< 2	140	0.5	< 2	3.31	5.5	5	13	71	2.28	< 10	110	0.04	10	0.23	1750
L1050E 2325N	201	202	10	2.4	4.01	8	220	2.5	< 2	1.63	6.0	18	25	96	3.68	< 10	310	0.07	40	0.45	5910
L1050E 2350N	201	202	< 5	< 0.2	0.14	< 2	100	< 0.5	< 2	0.49	< 0.5	1	1	17	0.20	< 10	80	0.02	< 10	0.04	135
L1050E 2375N	201	202	< 5	0.6	1.47	4	60	< 0.5	< 2	0.16	0.5	6	19	51	4.73	10	90	0.07	10	0.23	810
L1050E 2400N	201	202	145	1.0	1.02	12	80	< 0.5	< 2	0.13	1.5	11	11	47	3.84	< 10	130	0.09	20	0.07	2750
L1050E 2425N	201	202	45	2.2	1.98	8	60	< 0.5	< 2	0.14	0.5	7	25	53	5.70	10	130	0.08	10	0.42	760
L1050E 2450N	201	202	25	0.2	2.08	10	80	< 0.5	< 2	0.14	0.5	9	24	36	5.21	10	50	0.11	10	0.50	950
L1100E 1650N	201	202	15	0.2	3.38	4	80	< 0.5	< 2	0.08	< 0.5	7	30	53	4.49	10	130	0.05	10	0.41	295
L1100E 1675N	201	202	10	3.0	2.71	< 2	100	< 0.5	< 2	0.18	0.5	4	28	56	3.16	10	190	0.07	10	0.35	215
L1100E 1700N	201	202	< 5	0.2	1.72	12	110	< 0.5	< 2	0.15	0.5	5	26	54	7.44	10	210	0.05	< 10	0.20	430
L1100E 1725N	201	202	< 5	0.2	3.04	34	120	0.5	< 2	0.20	1.5	19	52	70	7.13	10	90	0.05	< 10	0.54	1475
L1100E 1775N	201	202	< 5	< 0.2	3.20	54	170	0.5	2	1.06	0.5	45	65	59	7.73	10	90	0.06	< 10	1.18	2760
L1100E 1800N	201	202	< 5	< 0.2	3.44	102	180	0.5	< 2	0.70	1.0	41	54	132	7.24	10	70	0.09	< 10	0.85	2370
L1100E 1825N	201	202	< 5	0.4	4.11	6	90	< 0.5	< 2	0.13	0.5	23	145	29	6.05	10	70	0.06	< 10	1.85	1185
L1100E 1850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1100E 1875N	201	202	< 5	0.2	3.27	< 2	60	< 0.5	< 2	0.79	0.5	18	79	62	4.13	< 10	230	0.02	< 10	0.53	780
L1100E 1900N	201	202	< 5	< 0.2	2.13	4	80	< 0.5	< 2	0.31	< 0.5	16	50	22	4.09	10	110	0.04	< 10	0.62	650
L1100E 1925N	201	202	< 5	< 0.2	1.77	2	80	< 0.5	< 2	0.25	< 0.5	9	32	19	4.38	10	150	0.03	< 10	0.45	430
L1100E 1950N	201	202	< 5	0.2	4.89	6	60	0.5	< 2	0.31	0.5	22	90	54	5.96	10	140	0.02	< 10	0.77	860
L1100E 1975N	201	202	< 5	< 0.2	2.12	< 2	120	< 0.5	< 2	0.31	1.0	17	45	50	5.25	10	100	0.03	< 10	0.73	1335
L1100E 2000N	201	202	< 5	0.2	3.00	16	60	< 0.5	< 2	0.16	< 0.5	19	121	50	7.42	< 10	50	0.05	< 10	1.09	795
L1100E 2025N	201	202	< 5	< 0.2	4.13	16	130	1.5	< 2	1.27	2.5	29	79	91	5.20	10	130	0.06	30	0.99	2230
L1100E 2050N	201	202	< 5	< 0.2	2.44	6	210	1.5	< 2	2.43	2.0	16	65	172	3.48	< 10	210	0.06	20	0.54	4230

CERTIFICATION:_____

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. :I9739118
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1050E 1875N	201	202	3	0.01	31	1860	8	< 2	4	90	0.09	< 10	< 10	68	< 10	286
L1050E 1900N	201	202	4	< 0.01	10	1180	12	< 2	1	129	0.06	< 10	< 10	31	< 10	60
L1050E 1925N	201	202	6	< 0.01	9	1550	24	< 2	5	44	0.05	< 10	< 10	56	< 10	252
L1050E 1950N	201	202	3	< 0.01	6	2160	26	< 2	3	36	0.03	< 10	< 10	41	< 10	280
L1050E 1975N	201	202	1	< 0.01	6	890	32	< 2	1	15	0.03	< 10	< 10	56	< 10	114
L1050E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1050E 2025N	201	202	2	< 0.01	6	630	44	< 2	3	11	0.09	< 10	< 10	111	< 10	110
L1050E 2050N	201	202	4	< 0.01	8	680	84	< 2	2	13	0.06	< 10	< 10	107	< 10	148
L1050E 2075N	201	202	3	< 0.01	18	650	18	< 2	4	12	0.03	< 10	< 10	99	< 10	178
L1050E 2100N	201	202	< 1	< 0.01	12	310	28	< 2	3	21	0.04	< 10	< 10	72	< 10	160
L1050E 2125N	201	202	3	< 0.01	5	2130	94	< 2	1	10	0.04	< 10	< 10	60	< 10	220
L1050E 2150N	201	202	1	< 0.01	8	760	118	< 2	2	14	0.03	< 10	< 10	72	< 10	316
L1050E 2175N	201	202	3	< 0.01	4	730	56	< 2	1	10	0.01	< 10	< 10	25	< 10	124
L1050E 2200N	201	202	4	< 0.01	7	1030	156	< 2	3	12	0.03	< 10	< 10	63	< 10	708
L1050E 2225N	201	202	3	< 0.01	11	1410	276	< 2	5	36	0.08	< 10	< 10	63	< 10	1785
L1050E 2250N	201	202	1	< 0.01	12	2190	88	< 2	5	53	0.09	< 10	< 10	43	< 10	2120
L1050E 2275N	201	202	1	< 0.01	5	470	68	< 2	1	10	0.07	< 10	< 10	69	< 10	118
L1050E 2300N	201	202	< 1	0.01	8	1630	22	< 2	1	52	0.05	< 10	< 10	34	< 10	364
L1050E 2325N	201	202	7	0.01	17	2390	152	< 2	11	58	0.04	< 10	< 10	48	< 10	408
L1050E 2350N	201	202	< 1	< 0.01	3	570	4	< 2	< 1	24	< 0.01	< 10	< 10	2	< 10	58
L1050E 2375N	201	202	3	< 0.01	9	2950	114	< 2	3	11	0.08	< 10	< 10	79	< 10	114
L1050E 2400N	201	202	2	< 0.01	4	4070	760	2	< 1	9	0.01	< 10	< 10	36	< 10	358
L1050E 2425N	201	202	1	< 0.01	8	1320	152	< 2	4	13	0.07	< 10	< 10	84	< 10	200
L1050E 2450N	201	202	1	< 0.01	10	900	100	< 2	4	16	0.05	< 10	< 10	77	< 10	318
L1100E 1650N	201	202	3	< 0.01	13	1030	8	2	4	8	0.03	< 10	< 10	87	< 10	56
L1100E 1675N	201	202	4	< 0.01	10	1070	16	< 2	3	16	0.06	< 10	< 10	91	< 10	76
L1100E 1700N	201	202	4	< 0.01	19	1170	10	< 2	3	14	0.08	< 10	< 10	179	< 10	50
L1100E 1725N	201	202	3	< 0.01	29	730	6	< 2	7	10	0.13	< 10	< 10	135	< 10	150
L1100E 1775N	201	202	< 1	0.01	68	1010	8	< 2	18	33	0.02	< 10	< 10	112	< 10	110
L1100E 1800N	201	202	1	< 0.01	69	770	6	< 2	16	37	< 0.01	< 10	< 10	88	< 10	304
L1100E 1825N	201	202	< 1	< 0.01	80	610	4	< 2	5	9	0.10	< 10	< 10	123	< 10	140
L1100E 1850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1100E 1875N	201	202	< 1	0.01	41	1080	2	< 2	6	20	0.14	< 10	< 10	87	< 10	50
L1100E 1900N	201	202	1	0.02	24	380	6	< 2	5	11	0.20	< 10	< 10	122	< 10	64
L1100E 1925N	201	202	1	< 0.01	13	550	8	< 2	4	10	0.26	< 10	< 10	173	< 10	58
L1100E 1950N	201	202	2	< 0.01	30	1100	4	< 2	13	16	0.14	< 10	< 10	133	< 10	54
L1100E 1975N	201	202	4	< 0.01	35	580	10	< 2	4	14	0.15	< 10	< 10	141	< 10	80
L1100E 2000N	201	202	4	< 0.01	34	1370	6	< 2	9	8	0.08	< 10	< 10	197	< 10	52
L1100E 2025N	201	202	1	0.02	57	2100	8	< 2	34	51	0.05	< 10	< 10	161	< 10	196
L1100E 2050N	201	202	1	0.02	56	2500	6	< 2	9	83	0.07	< 10	< 10	71	< 10	158

CERTIFICATION: _____

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
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CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L1100E 2075N	201	202	< 5	0.2	3.00	6	140	1.0	< 2	0.67	1.0	16	37	47	4.48	< 10	80	0.06	10	0.40	1470
L1100E 2100N	201	202	< 5	0.2	4.15	16	140	0.5	< 2	0.18	< 0.5	11	31	40	4.98	10	100	0.08	< 10	0.73	395
L1100E 2125N	201	202	< 5	< 0.2	4.92	< 2	250	0.5	< 2	0.27	< 0.5	20	90	30	6.02	10	60	0.16	< 10	1.55	915
L1100E 2150N	201	202	< 5	< 0.2	3.55	20	150	0.5	< 2	0.16	< 0.5	21	76	45	5.50	< 10	80	0.09	< 10	1.31	1765
L1100E 2175N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1100E 2200N	201	202	190	1.6	1.29	12	140	< 0.5	2	0.26	1.5	9	14	87	4.28	< 10	190	0.11	10	0.19	1770
L1100E 2225N	201	202	< 5	1.2	2.77	< 2	160	0.5	< 2	0.50	2.0	13	61	44	5.48	10	90	0.03	< 10	0.58	670
L1100E 2250N	201	202	< 5	0.4	2.44	8	170	0.5	< 2	0.17	2.0	10	23	62	4.41	< 10	120	0.11	10	0.25	4130
L1100E 2275N	201	202	< 5	0.6	2.89	2	180	1.0	< 2	1.73	11.0	31	51	77	5.16	< 10	140	0.03	10	0.33	5350
L1100E 2300N	201	202	< 5	0.6	1.73	< 2	100	< 0.5	< 2	1.44	5.0	14	50	55	4.69	< 10	70	0.04	< 10	0.42	445
L1100E 2325N	201	202	< 5	0.6	3.27	6	190	1.0	< 2	0.67	2.0	16	31	76	4.72	10	100	0.09	10	0.62	1780
L1100E 2350N	201	202	< 5	0.6	2.62	6	190	< 0.5	< 2	0.31	1.5	12	45	41	7.53	10	140	0.06	< 10	0.78	745
L1100E 2375N	201	202	< 5	0.6	1.49	14	130	< 0.5	< 2	0.14	< 0.5	6	17	43	4.42	< 10	100	0.09	10	0.17	340
L1100E 2400N	201	202	< 5	0.2	1.37	14	90	< 0.5	< 2	0.14	< 0.5	96	18	39	5.48	10	40	0.09	10	0.18	755
L1100E 2425N	201	202	< 5	0.2	0.57	6	60	< 0.5	< 2	0.13	< 0.5	6	13	68	2.89	< 10	10	0.10	10	0.03	135
L1100E 2450N	201	202	< 5	0.6	0.49	18	150	< 0.5	< 2	0.17	< 0.5	5	3	54	3.12	< 10	60	0.13	10	0.03	490
L1100E 2475N	201	202	< 5	0.4	0.84	20	70	< 0.5	< 2	0.09	< 0.5	7	13	50	3.80	< 10	30	0.12	10	0.06	850
L1100E 2500N	201	202	< 5	0.2	0.50	4	110	< 0.5	2	0.11	0.5	4	14	41	2.39	< 10	40	0.08	10	0.06	270
L1100E 2525N	201	202	< 5	2.6	1.69	4	130	0.5	< 2	0.64	2.0	18	25	30	5.94	10	40	0.05	10	0.17	2420
L1100E 2525NA	201	202	< 5	< 0.2	1.82	8	430	0.5	< 2	1.76	5.0	13	16	35	3.52	< 10	70	0.10	10	0.32	6130

CERTIFICATION: _____

* FOR L1100E

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :6-B
Total Pages :6
Certificate Date: 01-SEP-97
Invoice No. :19739118
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739118

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1100E 2075N	201	202	< 1	0.01	29	1000	8	< 2	7	22	0.06	< 10	< 10	96	< 10	116
L1100E 2100N	201	202	< 1	0.01	23	550	12	< 2	7	13	0.05	< 10	< 10	84	< 10	146
L1100E 2125N	201	202	< 1	0.01	50	770	4	< 2	12	11	0.03	< 10	< 10	159	< 10	176
L1100E 2150N	201	202	< 1	0.01	45	950	4	< 2	10	9	0.01	< 10	< 10	126	< 10	96
L1100E 2175N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1100E 2200N	201	202	3	< 0.01	8	650	572	< 2	3	12	0.03	< 10	< 10	70	< 10	340
L1100E 2225N	201	202	1	< 0.01	25	530	32	< 2	5	12	0.10	< 10	< 10	150	< 10	100
L1100E 2250N	201	202	1	< 0.01	9	1300	50	< 2	5	10	0.01	< 10	< 10	48	< 10	512
L1100E 2275N	201	202	1	< 0.01	35	1120	26	< 2	10	32	0.11	< 10	< 10	72	< 10	322
L1100E 2300N	201	202	< 1	< 0.01	22	690	42	< 2	6	28	0.01	< 10	< 10	87	< 10	252
L1100E 2325N	201	202	1	0.01	20	1060	30	< 2	8	28	0.05	< 10	< 10	76	< 10	302
L1100E 2350N	201	202	1	< 0.01	20	700	18	2	5	14	0.17	< 10	< 10	165	< 10	156
L1100E 2375N	201	202	1	< 0.01	8	830	46	< 2	1	10	0.01	< 10	< 10	68	< 10	108
L1100E 2400N	201	202	1	< 0.01	12	790	34	< 2	2	14	0.04	< 10	< 10	93	< 10	132
L1100E 2425N	201	202	3	< 0.01	12	550	20	< 2	3	10	0.12	< 10	< 10	71	< 10	74
L1100E 2450N	201	202	1	< 0.01	4	950	22	2	1	8	< 0.01	< 10	< 10	15	< 10	206
L1100E 2475N	201	202	1	< 0.01	8	970	52	2	1	7	0.04	< 10	< 10	73	< 10	118
L1100E 2500N	201	202	1	< 0.01	7	460	20	< 2	1	8	0.06	< 10	< 10	55	< 10	72
L1100E 2525N	201	202	2	< 0.01	13	1110	42	< 2	4	32	0.12	< 10	< 10	86	< 10	200
L1100E 2525NA	201	202	< 1	0.01	9	2200	70	< 2	4	76	0.05	< 10	< 10	42	< 10	644

* FOR L1100E

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. : I9739120
P.O. Number : BUL97-01
Account : EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
L1150E 1675N	201	202	< 5	-----	< 0.2	2.93	24	160	0.5	< 2	0.15	< 0.5	16	50	27	5.17	10	50	0.06	< 10	0.93
L1150E 1725N	201	202	< 5	-----	0.6	2.05	2	140	< 0.5	< 2	0.14	0.5	10	52	42	5.77	10	100	0.02	< 10	0.41
L1150E 1750N	201	202	< 5	-----	0.4	4.66	8	90	0.5	< 2	0.17	< 0.5	20	74	33	6.79	10	90	0.03	< 10	1.15
L1150E 1775N	201	202	< 5	-----	0.2	2.49	2	60	< 0.5	< 2	0.14	< 0.5	10	55	20	6.03	10	120	0.02	< 10	0.59
L1150E 1825N	201	202	< 5	-----	0.6	5.24	8	90	0.5	< 2	0.16	< 0.5	17	66	36	8.18	10	120	0.02	10	0.79
L1150E 1850N	201	202	< 5	-----	0.2	3.86	4	110	0.5	< 2	0.18	< 0.5	13	61	44	7.17	10	80	0.03	< 10	0.78
L1150E 1875N	201	202	< 5	-----	0.2	3.84	10	120	0.5	< 2	0.19	0.5	11	42	42	5.67	10	120	0.03	< 10	0.37
L1150E 1950N	201	202	< 5	-----	< 0.2	2.04	6	50	< 0.5	< 2	0.31	< 0.5	7	54	38	5.70	10	80	0.04	< 10	0.46
L1150E 1975N	201	202	< 5	-----	0.2	3.86	14	90	0.5	< 2	0.19	< 0.5	9	44	40	6.76	10	120	0.04	< 10	0.52
L1150E 2025N	201	202	< 5	-----	0.2	3.47	2	120	0.5	< 2	0.36	2.0	37	98	63	7.53	10	110	0.03	< 10	1.61
L1150E 2050N	201	202	< 5	-----	< 0.2	3.58	< 2	70	< 0.5	< 2	0.13	< 0.5	9	103	36	4.28	< 10	170	0.01	< 10	0.53
L1150E 2075N	201	202	< 5	-----	< 0.2	3.27	18	160	1.5	< 2	0.91	< 0.5	17	34	63	4.67	10	100	0.07	10	0.77
L1150E 2100N	201	202	< 5	-----	0.2	1.86	< 2	220	< 0.5	< 2	0.78	0.5	17	83	85	3.04	< 10	230	0.11	< 10	0.69
L1150E 2125N	201	202	< 5	-----	0.2	4.42	< 2	140	0.5	< 2	0.51	0.5	25	71	37	6.02	10	140	0.03	10	0.86
L1150E 2150N	201	202	< 5	-----	< 0.2	3.57	6	140	< 0.5	< 2	0.11	< 0.5	15	72	32	5.96	10	60	0.05	< 10	0.94
L1150E 2175N	201	202	< 5	-----	< 0.2	3.77	26	80	0.5	< 2	0.07	< 0.5	15	51	32	7.47	10	60	0.05	< 10	0.61
L1150E 2200N	201	202	< 5	-----	0.2	4.33	8	130	0.5	< 2	0.13	< 0.5	13	61	34	5.99	10	90	0.04	< 10	0.93
L1150E 2225N	201	202	< 5	-----	< 0.2	4.65	< 2	80	0.5	< 2	0.65	< 0.5	24	94	34	5.16	10	120	0.03	< 10	1.52
L1150E 2250N	201	202	< 5	-----	< 0.2	3.52	< 2	110	0.5	< 2	0.68	0.5	24	64	40	5.89	10	160	0.06	< 10	0.82
L1150E 2300N	201	202	< 5	-----	0.2	2.76	< 2	60	< 0.5	< 2	0.24	< 0.5	8	43	22	4.47	10	100	0.03	< 10	0.55
L1150E 2325N	201	202	< 5	-----	0.2	2.97	6	120	0.5	< 2	0.42	0.5	15	40	51	3.52	10	110	0.07	< 10	0.63
L1150E 2350N	201	202	< 5	-----	0.2	3.79	< 2	130	0.5	< 2	0.31	< 0.5	10	69	20	3.45	10	110	0.05	< 10	1.24
L1150E 2375N	201	202	< 5	-----	0.2	2.89	< 2	110	< 0.5	< 2	0.21	< 0.5	6	39	30	2.24	10	130	0.07	< 10	0.60
L1150E 2400N	201	202	< 5	-----	< 0.2	2.54	< 2	160	< 0.5	< 2	0.29	< 0.5	13	54	24	3.96	10	70	0.05	< 10	1.17
L1150E 2425N	201	202	< 5	-----	< 0.2	2.54	6	130	< 0.5	< 2	0.17	< 0.5	9	27	27	5.31	10	90	0.07	< 10	0.67
L1150E 2450N	201	202	< 5	-----	0.2	2.69	24	80	< 0.5	< 2	0.11	< 0.5	13	47	28	5.95	< 10	50	0.10	< 10	0.62
L1150E 2475N	201	202	< 5	-----	0.2	0.77	< 2	70	< 0.5	< 2	0.17	< 0.5	3	19	35	1.83	< 10	10	0.08	< 10	0.09
L1150E 2500N	201	202	< 5	-----	0.2	0.94	16	160	< 0.5	< 2	0.27	< 0.5	13	23	53	4.57	< 10	10	0.09	< 10	0.11
L1150E 2525N	201	202	< 5	-----	0.6	0.96	14	50	< 0.5	< 2	0.12	< 0.5	9	37	37	7.31	10	60	0.07	< 10	0.17
L1200E 1650N	201	202	< 5	-----	0.2	2.29	< 2	90	< 0.5	< 2	0.60	< 0.5	18	54	41	3.82	10	80	0.03	< 10	0.77
L1200E 1675N	201	202	< 5	-----	< 0.2	3.69	2	110	< 0.5	< 2	0.10	< 0.5	10	47	42	5.27	10	140	0.04	< 10	0.71
L1200E 1700N	201	202	< 5	-----	0.2	3.02	< 2	100	0.5	< 2	0.12	< 0.5	8	30	25	4.39	10	100	0.03	< 10	0.37
L1200E 1725N	201	202	< 5	-----	< 0.2	3.23	4	110	0.5	< 2	0.13	< 0.5	10	20	44	5.45	10	130	0.04	< 10	0.34
L1200E 1750N	201	202	< 5	-----	0.2	1.71	< 2	100	< 0.5	< 2	0.26	< 0.5	17	40	22	4.30	10	60	0.03	< 10	0.92
L1200E 1775N	201	202	< 5	-----	0.2	1.77	< 2	40	< 0.5	< 2	0.11	< 0.5	6	26	14	4.05	10	100	0.01	< 10	0.28
L1200E 1800N	201	202	< 5	-----	0.2	3.96	8	80	< 0.5	< 2	0.18	< 0.5	8	52	52	6.20	10	210	0.05	< 10	0.59
L1200E 1825N	201	202	< 5	-----	0.6	5.23	8	100	0.5	< 2	0.13	< 0.5	9	45	49	5.25	< 10	160	0.04	< 10	0.58
L1200E 1850N	201	202	< 5	-----	< 0.2	3.51	8	110	0.5	< 2	0.14	< 0.5	10	41	45	4.90	10	80	0.08	< 10	0.84
L1200E 1875N	201	202	< 5	-----	0.2	2.22	2	90	< 0.5	< 2	0.12	< 0.5	9	51	39	7.16	10	130	0.02	< 10	0.46
L1200E 1900N	201	202	< 5	-----	0.2	2.21	10	120	< 0.5	< 2	0.13	< 0.5	8	79	29	8.44	10	120	0.02	< 10	0.44

CERTIFICATION: _____

* L1100E WAS DELETED

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Certificate Date: 01-SEP-97
Invoice No. :19739120
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1150E 1675N	201 202	825	1	0.01	35	440	4	2	7	12	0.04	< 10	< 10	99	< 10	78
L1150E 1725N	201 202	400	1	< 0.01	22	630	8	< 2	4	10	0.19	< 10	< 10	161	< 10	62
L1150E 1750N	201 202	445	3	< 0.01	55	700	8	< 2	8	8	0.23	< 10	< 10	170	< 10	206
L1150E 1775N	201 202	295	< 1	< 0.01	24	700	6	< 2	4	9	0.18	< 10	< 10	157	< 10	60
L1150E 1825N	201 202	520	< 1	< 0.01	33	360	6	< 2	10	9	0.19	< 10	< 10	160	< 10	72
L1150E 1850N	201 202	515	1	< 0.01	30	540	6	< 2	7	12	0.21	< 10	< 10	153	< 10	82
L1150E 1875N	201 202	305	< 1	< 0.01	21	600	8	< 2	6	15	0.08	< 10	< 10	145	< 10	66
L1150E 1950N	201 202	315	1	< 0.01	18	4740	6	< 2	4	10	0.10	< 10	< 10	120	< 10	48
L1150E 1975N	201 202	440	1	< 0.01	17	850	10	< 2	6	12	0.14	< 10	< 10	142	< 10	68
L1150E 2025N	201 202	2060	1	< 0.01	50	1260	8	< 2	13	15	0.24	< 10	< 10	225	< 10	138
L1150E 2050N	201 202	340	< 1	< 0.01	24	1070	2	< 2	9	8	0.18	< 10	< 10	127	< 10	28
L1150E 2075N	201 202	1645	1	0.01	34	1290	12	< 2	10	39	0.04	< 10	< 10	101	< 10	154
L1150E 2100N	201 202	4440	< 1	0.01	33	3430	8	< 2	3	16	0.08	< 10	< 10	104	< 10	100
L1150E 2125N	201 202	3310	< 1	< 0.01	37	1690	8	< 2	11	16	0.35	< 10	< 10	150	< 10	194
L1150E 2150N	201 202	790	< 1	< 0.01	28	580	6	< 2	6	10	0.07	< 10	< 10	152	< 10	112
L1150E 2175N	201 202	300	< 1	< 0.01	34	1350	8	< 2	7	7	0.03	< 10	< 10	125	< 10	88
L1150E 2200N	201 202	280	< 1	< 0.01	31	630	6	2	8	10	0.08	< 10	< 10	143	< 10	104
L1150E 2225N	201 202	1590	< 1	< 0.01	41	1030	4	< 2	15	15	0.22	< 10	< 10	168	< 10	68
L1150E 2250N	201 202	3500	< 1	< 0.01	24	2380	8	< 2	7	18	0.15	< 10	< 10	144	< 10	90
L1150E 2300N	201 202	180	1	< 0.01	15	720	14	< 2	5	11	0.15	< 10	< 10	136	< 10	52
L1150E 2325N	201 202	815	< 1	< 0.01	22	1080	8	< 2	6	21	0.12	< 10	< 10	106	< 10	178
L1150E 2350N	201 202	215	< 1	< 0.01	24	1590	12	< 2	9	16	0.23	< 10	< 10	130	< 10	90
L1150E 2375N	201 202	175	< 1	< 0.01	11	950	30	< 2	4	15	0.14	< 10	< 10	91	< 10	136
L1150E 2400N	201 202	1200	< 1	< 0.01	22	880	4	< 2	7	14	0.13	< 10	< 10	129	< 10	130
L1150E 2425N	201 202	540	< 1	< 0.01	13	900	12	< 2	4	14	0.05	< 10	< 10	105	< 10	86
L1150E 2450N	201 202	755	< 1	< 0.01	25	1390	8	< 2	5	7	0.03	< 10	< 10	111	< 10	90
L1150E 2475N	201 202	130	< 1	< 0.01	7	860	12	< 2	1	15	0.08	< 10	< 10	51	< 10	34
L1150E 2500N	201 202	225	1	< 0.01	37	800	12	< 2	3	17	0.04	< 10	< 10	93	< 10	50
L1150E 2525N	201 202	315	3	< 0.01	17	1040	24	< 2	4	7	0.21	< 10	< 10	156	< 10	50
L1200E 1650N	201 202	565	< 1	< 0.01	44	680	8	2	4	8	0.12	< 10	< 10	108	< 10	46
L1200E 1675N	201 202	535	< 1	0.04	22	780	2	< 2	5	11	0.07	< 10	< 10	102	< 10	78
L1200E 1700N	201 202	410	< 1	< 0.01	14	590	6	< 2	3	8	0.08	< 10	< 10	90	< 10	64
L1200E 1725N	201 202	820	1	< 0.01	11	1090	8	< 2	5	10	0.08	< 10	< 10	108	< 10	116
L1200E 1750N	201 202	2170	1	< 0.01	23	830	8	< 2	4	9	0.22	< 10	< 10	135	< 10	66
L1200E 1775N	201 202	155	1	< 0.01	8	560	10	< 2	3	8	0.23	< 10	< 10	123	< 10	38
L1200E 1800N	201 202	335	1	< 0.01	23	1020	6	2	6	11	0.05	< 10	< 10	108	< 10	70
L1200E 1825N	201 202	390	< 1	< 0.01	27	780	6	< 2	6	10	0.06	< 10	< 10	79	< 10	102
L1200E 1850N	201 202	340	1	0.01	31	470	6	< 2	6	12	0.06	< 10	< 10	107	< 10	94
L1200E 1875N	201 202	370	1	< 0.01	17	560	10	< 2	4	8	0.19	< 10	< 10	173	< 10	44
L1200E 1900N	201 202	240	< 1	< 0.01	32	830	10	< 2	4	10	0.17	< 10	< 10	248	< 10	42

CERTIFICATION:

* L1100E WAS DELETED

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :2-A
Total Pages :3
Certificate Date: 01-SEP-97
Invoice No. :I9739120
P.O. Number :BUL97-01
Account :EIA

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
L1200E 1925N	201	202	< 5	-----	0.2	4.74	6	70	0.5	< 2	0.34	< 0.5	19	63	46	6.60	< 10	160	0.01	< 10	0.78
L1200E 1950N	201	202	< 5	-----	0.2	2.99	6	160	1.0	< 2	0.53	0.5	10	28	36	4.09	< 10	60	0.04	10	0.63
L1200E 1975N	201	202	< 5	-----	0.6	2.12	< 2	80	< 0.5	< 2	0.23	< 0.5	14	49	26	6.14	10	130	0.01	< 10	0.66
L1200E 2000N	--	--	NotRcd	-----	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1200E 2025N	201	202	< 5	-----	0.4	2.30	8	130	0.5	< 2	0.12	< 0.5	9	29	27	4.36	10	30	0.03	< 10	0.63
L1200E 2050N	201	202	< 5	-----	0.4	1.53	8	70	< 0.5	< 2	0.13	< 0.5	6	27	70	3.93	10	70	0.03	< 10	0.17
L1200E 2075N	201	202	< 5	-----	< 0.2	1.86	18	120	< 0.5	< 2	0.10	1.0	9	32	33	6.82	10	50	0.02	< 10	0.35
L1200E 2100N	201	202	< 5	-----	0.6	4.80	< 2	60	0.5	< 2	0.33	0.5	5	28	37	4.28	10	180	0.03	< 10	0.17
L1200E 2125N	201	202	< 5	-----	0.2	3.34	2	130	< 0.5	< 2	0.36	< 0.5	14	73	32	6.19	10	100	0.06	< 10	1.08
L1200E 2150N	201	202	< 5	-----	0.2	2.85	8	140	< 0.5	< 2	0.17	< 0.5	8	26	24	5.88	10	60	0.06	< 10	0.42
L1200E 2175N	201	202	< 5	-----	0.4	3.48	12	110	< 0.5	< 2	0.08	< 0.5	9	35	18	8.15	30	80	0.03	< 10	0.43
L1200E 2200N	201	202	< 5	-----	< 0.2	5.26	< 2	80	0.5	< 2	0.43	< 0.5	13	62	42	4.27	10	110	0.03	10	0.65
L1200E 2225N	201	202	< 5	-----	< 0.2	3.58	2	130	0.5	< 2	0.24	< 0.5	11	41	50	4.18	< 10	160	0.07	< 10	0.76
L1200E 2250N	201	202	< 5	-----	0.2	3.50	< 2	110	< 0.5	< 2	0.15	< 0.5	11	50	23	5.28	10	90	0.02	< 10	0.51
L1200E 2275N	201	202	< 5	-----	< 0.2	1.98	< 2	100	< 0.5	< 2	0.67	< 0.5	14	55	45	2.66	< 10	100	0.02	< 10	0.63
L1200E 2300NA	201	202	< 5	-----	0.2	2.92	< 2	50	< 0.5	< 2	0.30	< 0.5	14	80	31	5.01	10	70	0.05	< 10	1.23
L1200E 2300NB	201	202	< 5	-----	0.4	2.87	< 2	70	< 0.5	< 2	0.25	< 0.5	18	53	55	5.09	10	140	0.01	< 10	0.51
L1200E 2325N	--	--	NotRcd	-----	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1200E 2350N	201	202	< 5	-----	< 0.2	2.11	2	80	< 0.5	< 2	0.10	< 0.5	9	74	62	6.88	20	110	0.03	< 10	0.36
L1200E 2375N	201	202	< 5	-----	1.2	4.58	12	150	0.5	< 2	0.12	< 0.5	8	40	143	7.48	10	150	0.15	10	0.63
L1200E 2400N	201	202	< 5	-----	< 0.2	1.69	8	110	< 0.5	< 2	0.09	< 0.5	6	27	53	4.92	< 10	80	0.07	< 10	0.27
L1200E 2425N	201	202	< 5	-----	< 0.2	2.85	12	110	< 0.5	< 2	0.18	< 0.5	8	37	32	7.37	10	100	0.08	< 10	0.78
L1200E 2450N	201	202	< 5	-----	0.2	2.34	6	100	< 0.5	< 2	0.11	< 0.5	7	48	57	6.29	10	150	0.04	< 10	0.30
L1200E 2475N	201	202	< 5	-----	< 0.2	2.66	6	70	< 0.5	2	0.29	< 0.5	8	52	43	6.19	10	190	0.04	< 10	0.42
L1200E 2500N	201	202	< 5	-----	0.2	3.56	6	70	< 0.5	< 2	0.16	< 0.5	8	40	50	5.14	< 10	140	0.05	< 10	0.69
L1200E 2525N	201	202	< 5	-----	0.2	1.50	16	90	< 0.5	< 2	0.13	< 0.5	9	53	60	6.66	10	90	0.06	< 10	0.31
L1200E 2550N	201	202	< 5	-----	< 0.2	2.15	12	90	< 0.5	< 2	0.26	< 0.5	8	28	28	5.36	< 10	110	0.09	< 10	0.68
2000N 775E	201	202	< 5	-----	< 0.2	2.22	16	130	< 0.5	< 2	0.16	< 0.5	12	21	66	5.79	10	70	0.15	10	0.17
2000N 800E	201	202	< 5	-----	< 0.2	2.56	8	310	0.5	< 2	0.45	0.5	11	25	47	4.35	< 10	40	0.11	10	0.88
2000N 825E	201	202	1580	1.92	2.0	2.45	16	290	0.5	12	0.42	1.0	10	24	54	4.39	10	140	0.08	10	0.72
2000N 850E	201	202	< 5	-----	0.6	2.61	16	70	< 0.5	< 2	0.11	< 0.5	11	38	83	6.38	10	160	0.08	10	0.52
2000N 875E	201	202	< 5	-----	0.2	2.75	10	370	0.5	< 2	0.49	2.5	13	23	50	4.78	< 10	40	0.09	10	0.76
2000N 900E	201	202	55	-----	0.8	2.07	16	180	0.5	< 2	0.16	1.5	10	19	66	6.12	< 10	120	0.08	10	0.26
2000N 925E	201	202	65	-----	0.6	1.90	16	370	0.5	< 2	0.14	3.0	8	16	42	4.34	< 10	70	0.08	10	0.33
2000N 950E	201	202	65	-----	2.4	2.54	8	300	1.0	< 2	0.40	2.0	7	20	80	3.92	< 10	170	0.14	10	0.44
2000N 975E	201	202	< 5	-----	0.2	1.98	2	150	0.5	< 2	0.08	0.5	4	6	19	3.33	< 10	80	0.13	10	0.10
2000N 1000E	201	202	15	-----	0.4	2.50	12	90	0.5	2	0.08	0.5	6	13	20	5.44	10	100	0.10	10	0.26
2000N 1025E	201	202	< 5	-----	< 0.2	2.94	10	110	< 0.5	< 2	0.09	< 0.5	7	14	37	4.48	< 10	40	0.14	10	0.40
2000N 1050E	201	202	< 5	-----	1.4	1.98	6	200	0.5	< 2	0.12	0.5	5	7	17	2.27	< 10	170	0.11	10	0.09
2000N 1075E	201	202	< 5	-----	< 0.2	4.86	10	70	1.0	< 2	0.22	< 0.5	26	30	34	4.83	< 10	60	0.06	10	0.55

CERTIFICATION: _____

* L1100E WAS DELETED

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :2-B
Total Pages :3
Certificate Date: 01-SEP-97
Invoice No. :I9739120
P.O. Number :BUL97-01
Account :EIA

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CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1200E 1925N	201	202	575	5	< 0.01	39	1080	4	< 2	6	14	0.13	< 10	< 10	104	< 10	48
L1200E 1950N	201	202	1005	2	0.01	34	1040	6	< 2	6	19	0.03	< 10	< 10	81	< 10	204
L1200E 1975N	201	202	795	< 1	< 0.01	22	700	6	< 2	3	9	0.31	< 10	< 10	173	< 10	52
L1200E 2000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1200E 2025N	201	202	500	< 1	< 0.01	15	550	8	< 2	5	8	0.07	< 10	< 10	120	< 10	72
L1200E 2050N	201	202	425	1	< 0.01	14	740	6	< 2	4	7	0.06	< 10	< 10	127	< 10	44
L1200E 2075N	201	202	390	7	< 0.01	19	430	12	< 2	4	13	0.13	< 10	< 10	195	< 10	158
L1200E 2100N	201	202	245	3	< 0.01	7	1280	6	< 2	4	20	0.10	< 10	< 10	96	< 10	40
L1200E 2125N	201	202	565	< 1	< 0.01	29	930	10	< 2	9	16	0.20	< 10	< 10	203	< 10	88
L1200E 2150N	201	202	295	1	< 0.01	10	820	12	2	5	18	0.10	< 10	< 10	166	< 10	86
L1200E 2175N	201	202	330	< 1	< 0.01	9	520	12	2	5	10	0.19	< 10	< 10	201	< 10	78
L1200E 2200N	201	202	660	< 1	< 0.01	23	1080	6	< 2	11	16	0.09	< 10	< 10	116	< 10	44
L1200E 2225N	201	202	1785	< 1	< 0.01	23	1500	8	< 2	5	16	0.06	< 10	< 10	100	< 10	134
L1200E 2250N	201	202	225	< 1	< 0.01	16	430	10	< 2	9	14	0.20	< 10	< 10	188	< 10	46
L1200E 2275N	201	202	1020	< 1	< 0.01	20	870	10	< 2	5	20	0.12	< 10	< 10	101	< 10	54
L1200E 2300NA	201	202	2330	1	< 0.01	24	3450	10	< 2	7	8	0.14	< 10	< 10	129	< 10	80
L1200E 2300NB	201	202	1075	< 1	< 0.01	30	910	6	< 2	9	15	0.17	< 10	< 10	143	< 10	48
L1200E 2325N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L1200E 2350N	201	202	620	1	0.01	24	1030	10	< 2	4	12	0.39	< 10	< 10	272	< 10	44
L1200E 2375N	201	202	290	3	0.02	18	2640	16	< 2	9	15	0.07	< 10	< 10	118	< 10	104
L1200E 2400N	201	202	215	1	0.01	12	1700	8	< 2	3	14	0.10	< 10	< 10	106	< 10	46
L1200E 2425N	201	202	345	< 1	0.01	16	650	12	< 2	5	20	0.07	< 10	< 10	143	< 10	66
L1200E 2450N	201	202	180	1	0.01	13	770	10	< 2	4	12	0.21	< 10	< 10	164	< 10	38
L1200E 2475N	201	202	375	< 1	0.01	18	1290	8	< 2	5	13	0.09	< 10	< 10	142	< 10	42
L1200E 2500N	201	202	345	< 1	0.01	16	1980	6	< 2	5	12	0.03	< 10	< 10	75	< 10	70
L1200E 2525N	201	202	375	2	0.01	21	4690	10	< 2	3	14	0.09	< 10	< 10	150	< 10	50
L1200E 2550N	201	202	365	< 1	0.01	11	2940	10	< 2	4	24	0.05	< 10	< 10	126	< 10	60
2000N 775E	201	202	2830	3	0.01	12	1320	138	< 2	3	22	0.05	< 10	< 10	122	< 10	284
2000N 800E	201	202	780	< 1	0.02	14	710	48	< 2	7	49	0.04	< 10	< 10	75	< 10	390
2000N 825E	201	202	755	< 1	0.01	12	800	244	< 2	5	53	0.03	< 10	< 10	79	< 10	676
2000N 850E	201	202	885	2	0.01	15	820	100	< 2	5	15	0.08	< 10	< 10	104	< 10	224
2000N 875E	201	202	1820	< 1	0.01	13	1180	114	< 2	6	89	0.02	< 10	< 10	70	< 10	758
2000N 900E	201	202	1760	1	< 0.01	7	830	210	< 2	3	26	0.04	< 10	< 10	66	< 10	342
2000N 925E	201	202	2120	< 1	< 0.01	9	1080	206	< 2	2	15	0.01	< 10	< 10	56	< 10	816
2000N 950E	201	202	1420	< 1	0.01	12	1490	130	< 2	5	35	0.01	< 10	< 10	41	< 10	1490
2000N 975E	201	202	1880	< 1	< 0.01	2	1790	62	< 2	2	7	0.01	< 10	< 10	34	< 10	458
2000N 1000E	201	202	1415	< 1	< 0.01	6	1780	190	< 2	3	8	0.03	< 10	< 10	65	< 10	676
2000N 1025E	201	202	1660	< 1	0.01	6	1920	104	< 2	4	10	0.01	< 10	< 10	70	< 10	544
2000N 1050E	201	202	965	< 1	< 0.01	2	740	62	< 2	1	12	0.02	< 10	< 10	44	< 10	170
2000N 1075E	201	202	1745	< 1	< 0.01	16	1040	14	< 2	8	18	0.09	< 10	< 10	74	< 10	150

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number :3-A
Total Pages :3
Certificate Date: 01-SEP-97
Invoice No. :I9739120
P.O. Number :BUL97-01
Account :EIA

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CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %
2000N 1100E	--	--	NotRcd	-----	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
2000N 1125E	201	202	< 5	-----	< 0.2	3.18	16	100	0.5	< 2	1.17	0.5	20	89	97	5.28	< 10	170	0.07	20	1.09
2000N 1150E	201	202	< 5	-----	< 0.2	3.16	26	170	0.5	< 2	0.24	0.5	25	80	46	7.95	10	70	0.06	< 10	0.82
2000N 1175E	201	202	< 5	-----	< 0.2	3.28	6	110	0.5	< 2	0.29	< 0.5	21	85	32	7.41	10	100	0.05	< 10	1.70
2000N 1200E	201	202	< 5	-----	< 0.2	5.41	< 2	120	1.0	< 2	0.32	0.5	13	71	32	4.43	10	160	0.03	10	1.27

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Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD

Page Number : 3-B
Total Pages : 3
Certificate Date: 01-SEP-97
Invoice No. : I9739120
P.O. Number : BUL97-01
Account : EIA

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CERTIFICATE OF ANALYSIS A9739120

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2000N 1100E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
2000N 1125E	201	202	750	3	0.03	45	720	10	< 2	38	49	0.07	< 10	< 10	222	< 10	272
2000N 1150E	201	202	1325	2	0.01	48	720	8	< 2	12	15	0.08	< 10	< 10	157	< 10	182
2000N 1175E	201	202	1485	< 1	< 0.01	29	2010	4	< 2	13	13	0.22	< 10	< 10	218	< 10	116
2000N 1200E	201	202	355	< 1	< 0.01	41	1250	2	< 2	12	14	0.14	< 10	< 10	101	< 10	92

CERTIFICATION: [signature]

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Page Number :1-A
Total Pages :6
Certificate Date: 11-SEP-97
Invoice No. :I9740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L1500 BL6275	201	202	< 5	< 0.2	1.70	22	590	< 0.5	< 2	0.75	< 0.5	15	23	56	4.55	< 10	70	0.12	< 10	1.18	1185
L1500 BL6325	201	202	20	< 0.2	1.81	18	310	0.5	< 2	0.57	< 0.5	17	26	55	4.82	< 10	60	0.12	10	0.99	1985
L1500 BL6375	201	202	< 5	< 0.2	1.26	12	260	0.5	< 2	0.59	3.5	10	17	26	2.84	< 10	40	0.09	10	0.39	820
L1500 BL6475	201	202	10	1.2	1.12	30	180	< 0.5	< 2	0.07	< 0.5	7	13	27	10.20	< 10	120	0.11	< 10	0.15	720
L1500 BL6525	201	202	10	< 0.2	0.73	34	50	< 0.5	< 2	< 0.01	< 0.5	2	7	22	>15.00	< 10	40	0.05	< 10	0.04	95
L1500 BL6575	201	202	15	< 0.2	0.05	< 2	< 10	< 0.5	< 2	0.01	< 0.5	2	1	< 1	>15.00	< 10	< 10	0.01	< 10	< 0.01	40
L1500 BL6625	201	202	< 5	0.2	0.87	48	700	< 0.5	< 2	0.01	< 0.5	1	5	34	5.19	< 10	120	0.10	< 10	0.20	195
L1500 BL6675	201	202	< 5	6.8	0.65	6	100	< 0.5	< 2	0.05	< 0.5	1	17	21	5.28	< 10	180	0.07	< 10	0.07	55
1750E 6900E	201	202	< 5	< 0.2	1.26	10	170	1.0	< 2	0.95	< 0.5	13	15	53	3.06	< 10	100	0.21	10	0.40	1585
1750E 6925E	201	202	< 5	< 0.2	1.87	14	260	2.5	< 2	0.84	< 0.5	13	17	63	4.62	< 10	130	0.21	20	0.36	2360
1750E 6950E	201	202	< 5	< 0.2	1.67	14	230	2.0	< 2	0.70	< 0.5	12	15	72	4.08	< 10	140	0.23	10	0.45	1480
1750E 6975E	201	202	< 5	< 0.2	1.37	8	310	1.5	< 2	1.57	< 0.5	13	12	62	3.14	< 10	190	0.19	10	0.35	3300
1750E 7000E	201	202	< 5	< 0.2	1.57	30	290	2.5	< 2	1.01	< 0.5	14	17	186	4.32	< 10	290	0.19	30	0.60	1375
1750E 7025E	201	202	< 5	< 0.2	2.08	24	320	2.5	< 2	0.79	< 0.5	12	17	63	4.40	< 10	140	0.21	10	0.49	1525
1750E 7050E	201	202	< 5	< 0.2	1.72	18	270	2.0	< 2	0.82	< 0.5	16	22	101	4.88	< 10	340	0.31	10	0.70	1150
1750E 7075E	201	202	< 5	< 0.2	1.69	18	200	2.0	< 2	0.69	< 0.5	15	21	97	4.71	< 10	330	0.27	10	0.66	1150
1750E 7100E	201	202	< 5	< 0.2	1.61	20	170	1.5	< 2	0.42	< 0.5	16	21	87	4.56	< 10	280	0.24	10	0.65	1180
1750E 7125E	201	202	< 5	< 0.2	1.71	20	320	0.5	< 2	0.78	< 0.5	18	24	67	4.93	< 10	80	0.10	10	0.99	1500
1750E 7150E	201	202	< 5	< 0.2	1.95	12	130	0.5	< 2	0.85	< 0.5	14	28	53	4.07	10	70	0.10	10	0.97	1030
1750E 7175E	201	202	65	< 0.2	1.48	24	260	< 0.5	< 2	0.64	< 0.5	15	21	51	4.41	< 10	110	0.09	< 10	0.95	1025
1750E 7200E	201	202	40	0.4	1.84	60	270	1.0	< 2	0.31	0.5	23	11	85	5.79	< 10	80	0.19	20	0.57	1375
L1900N 7375E	201	202	< 5	< 0.2	2.02	28	310	0.5	< 2	0.51	1.5	23	36	65	5.76	< 10	70	0.18	10	0.94	1550
L1900N 7425E	201	202	< 5	0.2	1.30	50	310	0.5	< 2	0.33	2.0	14	18	49	4.80	< 10	50	0.20	10	0.37	2040
L1900N 7450E	201	202	< 5	< 0.2	1.84	28	140	0.5	< 2	0.14	< 0.5	18	40	40	5.55	< 10	40	0.19	10	0.67	1460
L1900N 7475E	201	202	5	< 0.2	2.20	30	300	0.5	< 2	0.55	1.0	24	36	66	5.90	< 10	80	0.23	10	0.96	1390
L6250 1050	201	202	< 5	0.2	0.54	42	160	0.5	< 2	0.27	0.5	15	1	41	4.89	< 10	180	0.19	10	0.05	3240
L6250 1075	201	202	< 5	2.0	0.68	32	1090	1.0	< 2	0.76	3.0	11	2	51	3.56	< 10	170	0.27	10	0.09	2200
L6250 1100	201	202	< 5	0.8	0.91	36	540	1.0	< 2	0.41	< 0.5	9	3	38	3.95	< 10	100	0.27	10	0.11	1730
L6250 1125	201	202	< 5	0.4	0.70	70	570	0.5	< 2	0.50	1.0	10	3	42	4.50	< 10	60	0.19	< 10	0.08	5030
L6250 1150	201	202	< 5	0.6	0.61	42	310	< 0.5	< 2	0.11	< 0.5	7	5	33	4.21	< 10	50	0.19	< 10	0.06	3100
L6250 1175	201	202	< 5	0.6	0.32	48	130	< 0.5	< 2	0.07	< 0.5	3	3	37	3.98	< 10	40	0.15	10	0.04	755
L6250 1200	201	202	< 5	1.2	0.36	40	140	< 0.5	< 2	0.07	< 0.5	2	5	27	3.26	< 10	60	0.11	< 10	0.04	645
L6250 1225	201	202	< 5	1.2	0.43	62	100	< 0.5	< 2	0.03	< 0.5	3	4	43	4.25	< 10	110	0.12	10	0.04	615
L6250 1250	201	202	< 5	1.6	1.91	82	350	0.5	< 2	0.02	< 0.5	16	5	53	3.77	< 10	290	0.14	< 10	0.05	3680
L6250 1275	201	202	< 5	1.0	0.95	42	150	< 0.5	< 2	< 0.01	< 0.5	3	4	19	2.91	< 10	70	0.14	10	0.04	620
L6250 1300	201	202	< 5	0.2	0.80	40	210	< 0.5	< 2	0.01	< 0.5	4	8	31	3.69	< 10	50	0.14	10	0.05	500
L6250 1325	201	202	< 5	0.2	0.93	36	530	0.5	< 2	0.22	0.5	11	7	23	4.23	< 10	60	0.18	10	0.10	4190
L6250 1350	201	202	< 5	< 0.2	0.50	20	330	< 0.5	4	0.01	< 0.5	< 1	< 1	11	4.23	< 10	80	0.40	< 10	0.01	90
L6250 1375	201	202	< 5	0.2	0.96	44	350	0.5	2	0.01	< 0.5	9	3	26	4.02	< 10	240	0.19	10	0.05	2200
L6250 1400	201	202	< 5	< 0.2	0.61	38	600	< 0.5	2	0.05	< 0.5	3	3	19	4.39	< 10	110	0.28	< 10	0.03	1105

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Page Number :1-B
Total Pages :6
Certificate Date: 11-SEP-97
Invoice No. :19740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L1500 BL6275	201	202	1	0.01	21	1000	10	< 2	8	47	0.06	< 10	< 10	70	< 10	124
L1500 BL6325	201	202	1	0.01	22	1030	14	< 2	7	33	0.04	< 10	< 10	70	< 10	134
L1500 BL6375	201	202	4	0.01	21	1100	20	< 2	4	29	0.01	< 10	< 10	43	< 10	236
L1500 BL6475	201	202	4	< 0.01	4	1260	28	< 2	3	13	< 0.01	< 10	< 10	40	< 10	112
L1500 BL6525	201	202	1	< 0.01	1	2160	12	< 2	< 1	6	< 0.01	< 10	< 10	56	< 10	54
L1500 BL6575	201	202	< 1	< 0.01	< 1	90	14	< 2	< 1	< 1	< 0.01	< 10	< 10	32	< 10	16
L1500 BL6625	201	202	4	< 0.01	1	920	32	2	1	38	< 0.01	< 10	< 10	25	< 10	50
L1500 BL6675	201	202	1	0.01	4	1610	12	< 2	< 1	12	< 0.01	< 10	< 10	29	< 10	26
1750E 6900E	201	202	1	0.02	13	2100	16	< 2	1	47	0.03	< 10	< 10	76	< 10	84
1750E 6925E	201	202	< 1	0.01	10	2430	26	4	2	50	0.03	< 10	< 10	107	< 10	88
1750E 6950E	201	202	1	0.01	10	1870	20	2	3	47	0.01	< 10	< 10	103	< 10	92
1750E 6975E	201	202	1	0.01	10	2060	20	2	2	71	0.01	< 10	< 10	78	< 10	110
1750E 7000E	201	202	1	0.01	16	1270	24	6	10	85	0.03	< 10	< 10	92	< 10	90
1750E 7025E	201	202	1	< 0.01	11	1620	18	2	4	44	0.02	< 10	< 10	100	< 10	68
1750E 7050E	201	202	< 1	< 0.01	17	1430	14	8	10	84	0.06	< 10	< 10	107	70	88
1750E 7075E	201	202	< 1	< 0.01	18	1280	14	8	11	64	0.06	< 10	< 10	98	20	86
1750E 7100E	201	202	< 1	< 0.01	16	1270	14	8	9	59	0.05	< 10	< 10	91	< 10	82
1750E 7125E	201	202	1	0.01	20	1030	20	2	11	49	0.07	< 10	< 10	81	< 10	130
1750E 7150E	201	202	< 1	0.01	20	1090	12	< 2	9	43	0.11	< 10	< 10	89	< 10	106
1750E 7175E	201	202	1	0.01	19	940	14	2	8	39	0.06	< 10	< 10	70	< 10	110
1750E 7200E	201	202	5	< 0.01	25	1080	46	2	7	29	< 0.01	< 10	< 10	31	< 10	226
L1900N 7375E	201	202	5	0.01	43	1020	24	< 2	10	24	< 0.01	< 10	< 10	51	< 10	206
L1900N 7425E	201	202	7	0.01	20	1400	50	< 2	6	24	< 0.01	< 10	< 10	38	< 10	336
L1900N 7450E	201	202	8	0.01	31	1450	32	< 2	6	10	< 0.01	< 10	< 10	53	< 10	204
L1900N 7475E	201	202	7	0.01	42	1150	28	< 2	10	26	< 0.01	< 10	< 10	55	< 10	212
L6250 1050	201	202	1	< 0.01	2	1130	54	2	6	31	< 0.01	< 10	< 10	22	< 10	226
L6250 1075	201	202	< 1	< 0.01	4	1380	192	6	6	111	< 0.01	< 10	< 10	37	< 10	676
L6250 1100	201	202	< 1	< 0.01	3	1450	58	2	6	55	< 0.01	< 10	< 10	43	< 10	306
L6250 1125	201	202	1	< 0.01	3	1720	76	12	2	54	< 0.01	< 10	< 10	44	< 10	772
L6250 1150	201	202	2	0.01	4	1730	38	6	< 1	26	0.01	< 10	< 10	46	< 10	320
L6250 1175	201	202	1	< 0.01	1	1120	18	8	2	16	0.03	< 10	< 10	45	< 10	422
L6250 1200	201	202	1	< 0.01	2	1250	18	6	1	11	0.05	< 10	< 10	44	< 10	368
L6250 1225	201	202	3	< 0.01	1	1470	40	8	2	12	0.04	< 10	< 10	53	< 10	460
L6250 1250	201	202	4	< 0.01	3	1050	60	6	4	22	< 0.01	< 10	< 10	23	< 10	220
L6250 1275	201	202	2	< 0.01	2	1000	30	2	1	20	< 0.01	< 10	< 10	26	< 10	144
L6250 1300	201	202	2	< 0.01	8	730	16	4	1	21	0.02	< 10	< 10	49	< 10	180
L6250 1325	201	202	3	0.01	5	1520	46	2	< 1	31	0.01	< 10	< 10	40	< 10	220
L6250 1350	201	202	3	0.01	< 1	1360	64	< 2	< 1	25	< 0.01	< 10	< 10	12	< 10	24
L6250 1375	201	202	3	< 0.01	1	1160	92	< 2	4	19	< 0.01	< 10	< 10	17	< 10	178
L6250 1400	201	202	4	0.01	1	1880	82	2	1	25	< 0.01	< 10	< 10	17	< 10	130

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. :19740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L6250 1425	201	202	< 5	0.6	0.74	30	540	< 0.5	2	0.02	< 0.5	3	4	19	4.71	< 10	90	0.24	< 10	0.04	455
L6250 1450	201	202	< 5	< 0.2	0.66	30	710	0.5	2	0.20	< 0.5	12	2	23	4.29	< 10	110	0.20	10	0.06	1705
L6350 1050	201	202	< 5	1.0	1.01	52	420	0.5	< 2	0.12	0.5	10	10	26	3.90	< 10	60	0.12	< 10	0.07	3580
L6350 1075	201	202	< 5	0.8	0.84	42	270	< 0.5	< 2	0.19	< 0.5	9	7	29	3.41	< 10	70	0.10	< 10	0.05	5060
L6350 1100	201	202	< 5	0.8	1.08	30	120	< 0.5	< 2	0.05	< 0.5	4	8	20	2.90	< 10	50	0.06	< 10	0.05	585
L6350 1125	201	202	< 5	0.6	0.69	46	240	0.5	< 2	0.09	< 0.5	10	4	35	3.90	< 10	70	0.14	< 10	0.06	2580
L6350 1150	201	202	< 5	0.2	0.90	28	230	0.5	< 2	0.07	< 0.5	3	10	12	2.68	< 10	40	0.16	10	0.05	875
L6350 1200	201	202	< 5	2.2	2.04	28	120	0.5	< 2	0.01	< 0.5	6	8	34	4.05	< 10	160	0.14	10	0.07	1685
L6350 1225	201	202	< 5	2.2	1.88	46	120	0.5	< 2	0.01	< 0.5	6	5	37	4.26	< 10	150	0.15	10	0.05	1090
L6350 1250	201	202	< 5	0.2	2.31	18	180	0.5	< 2	0.02	< 0.5	9	11	16	5.51	< 10	90	0.16	10	0.07	4520
L6350 1275	201	202	< 5	0.8	1.52	54	550	1.0	< 2	0.01	2.0	13	4	45	5.91	< 10	170	0.16	10	0.06	>10000
L6350 1300	201	202	< 5	0.6	1.67	10	250	0.5	< 2	0.06	1.0	12	12	14	4.04	< 10	70	0.15	10	0.13	6070
L6350 1325	201	202	< 5	0.6	1.57	30	230	0.5	< 2	0.01	< 0.5	9	8	37	4.42	< 10	150	0.18	10	0.20	975
L6350 1350	201	202	< 5	0.4	0.90	42	300	< 0.5	< 2	0.01	< 0.5	2	6	31	6.40	< 10	70	0.20	10	0.03	165
L6350 1375	201	202	< 5	0.2	1.95	18	50	< 0.5	< 2	0.26	1.0	15	32	52	4.82	< 10	80	0.07	10	0.36	1410
L6350 1400	201	202	< 5	< 0.2	1.71	12	40	< 0.5	< 2	0.16	< 0.5	11	29	44	4.37	< 10	90	0.07	10	0.34	970
L6350 1425	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L6350 1450	201	202	< 5	< 0.2	1.13	14	370	0.5	< 2	0.20	< 0.5	35	18	13	4.00	< 10	40	0.11	10	0.36	1545
L6350 1475	201	202	< 5	< 0.2	0.18	< 2	80	< 0.5	< 2	0.89	0.5	1	2	8	0.53	< 10	10	0.01	< 10	0.04	90
L6450 1050	201	202	< 5	1.2	1.07	26	340	0.5	< 2	0.16	< 0.5	7	8	10	3.18	< 10	60	0.13	< 10	0.13	1515
L6450 1075	201	202	< 5	< 0.2	1.27	28	430	0.5	< 2	0.32	0.5	14	13	22	5.29	< 10	40	0.14	< 10	0.23	4230
L6450 1100	201	202	< 5	0.2	2.06	20	470	1.5	< 2	0.10	0.5	10	14	36	3.74	< 10	100	0.13	20	0.37	1580
L6450 1125	201	202	< 5	0.2	2.07	22	120	0.5	< 2	0.16	< 0.5	15	7	40	4.82	< 10	120	0.15	20	0.27	2860
L6450 1150	201	202	< 5	0.2	2.25	20	120	0.5	< 2	0.02	< 0.5	9	18	42	4.23	< 10	110	0.10	10	0.52	765
L6450 1175	201	202	< 5	0.4	1.30	26	270	0.5	< 2	0.13	< 0.5	8	12	25	4.95	< 10	40	0.14	10	0.17	1705
L6450 1200	201	202	< 5	0.8	1.44	30	180	< 0.5	< 2	0.10	< 0.5	9	18	28	4.84	< 10	140	0.12	< 10	0.22	1530
L6450 1225	201	202	< 5	0.6	1.91	38	180	0.5	< 2	0.04	0.5	12	13	26	5.68	< 10	70	0.14	10	0.21	2590
L6450 1250	201	202	< 5	< 0.2	1.61	28	160	0.5	< 2	0.13	< 0.5	12	21	29	4.03	< 10	90	0.13	10	0.56	595
L6450 1275	201	202	< 5	3.4	3.20	18	150	< 0.5	< 2	0.03	< 0.5	6	21	34	4.76	10	180	0.12	10	0.45	295
L6450 1300	201	202	< 5	2.0	1.97	12	90	< 0.5	< 2	0.03	< 0.5	16	17	18	5.91	10	80	0.10	< 10	0.13	3200
L6450 1325	201	202	< 5	0.2	1.24	40	80	< 0.5	< 2	0.03	< 0.5	4	9	21	4.37	10	40	0.10	10	0.13	285
L6450 1350	201	202	< 5	< 0.2	1.38	32	160	< 0.5	2	0.06	< 0.5	4	21	23	5.65	< 10	100	0.10	< 10	0.25	410
L6450 1375	201	202	< 5	0.2	1.54	18	50	< 0.5	< 2	0.15	< 0.5	7	45	40	6.25	10	70	0.04	10	0.46	605
L6450 1400	201	202	< 5	< 0.2	1.71	24	70	< 0.5	< 2	0.02	< 0.5	6	13	17	5.67	< 10	40	0.07	< 10	0.37	430
L6450 1425	201	202	< 5	< 0.2	1.44	24	50	< 0.5	< 2	0.04	< 0.5	18	15	40	5.26	< 10	50	0.08	< 10	0.54	1705
L6450 1450	201	202	< 5	0.8	0.95	38	650	0.5	< 2	0.13	0.5	10	9	34	3.94	< 10	150	0.16	10	0.17	2780
L6450 1475	201	202	< 5	0.6	1.08	48	110	< 0.5	< 2	0.04	< 0.5	11	13	33	5.68	< 10	100	0.15	< 10	0.18	2450
L6450 1500	201	202	< 5	1.8	2.89	10	380	< 0.5	< 2	0.20	< 0.5	4	16	41	1.96	< 10	190	0.17	< 10	0.20	135
L6450 1525	201	202	< 5	< 0.2	1.58	18	550	0.5	< 2	0.65	< 0.5	13	20	60	4.32	< 10	100	0.11	10	0.89	930
L6450 1550	201	202	< 5	< 0.2	1.88	22	1000	0.5	< 2	0.75	< 0.5	17	27	74	4.92	10	110	0.13	10	1.17	1400

CERTIFICATION:_____

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CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L6250 1425	201	202	6	0.01	4	1730	74	2	1	17	< 0.01	< 10	< 10	16	< 10	86
L6250 1450	201	202	4	0.01	1	1230	66	2	3	28	< 0.01	< 10	< 10	13	< 10	118
L6350 1050	201	202	3	0.01	7	1740	82	6	< 1	20	< 0.01	< 10	< 10	48	< 10	332
L6350 1075	201	202	3	< 0.01	6	1640	60	6	< 1	14	< 0.01	< 10	< 10	54	< 10	314
L6350 1100	201	202	4	< 0.01	4	790	22	4	< 1	11	0.01	< 10	< 10	66	< 10	196
L6350 1125	201	202	1	< 0.01	4	1520	80	4	2	18	< 0.01	< 10	< 10	31	< 10	294
L6350 1150	201	202	3	0.01	5	1480	20	2	< 1	19	< 0.01	< 10	< 10	41	< 10	120
L6350 1200	201	202	1	< 0.01	3	1310	40	4	1	16	0.02	< 10	< 10	51	< 10	172
L6350 1225	201	202	1	< 0.01	2	1510	48	2	1	19	< 0.01	< 10	< 10	43	< 10	264
L6350 1250	201	202	1	< 0.01	1	1500	34	< 2	1	9	0.01	< 10	< 10	54	< 10	160
L6350 1275	201	202	1	< 0.01	1	1060	80	4	5	15	< 0.01	< 10	< 10	40	< 10	344
L6350 1300	201	202	1	0.01	4	3030	28	< 2	1	16	0.06	< 10	< 10	55	< 10	132
L6350 1325	201	202	3	0.01	5	1350	52	2	3	25	< 0.01	< 10	< 10	32	< 10	176
L6350 1350	201	202	8	0.01	4	1890	84	< 2	1	21	< 0.01	< 10	< 10	33	< 10	88
L6350 1375	201	202	11	0.01	27	1840	16	< 2	4	12	0.02	< 10	< 10	99	< 10	128
L6350 1400	201	202	7	0.01	20	3030	16	< 2	4	9	0.01	< 10	< 10	102	< 10	104
L6350 1425	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L6350 1450	201	202	6	< 0.01	12	1770	22	2	3	14	< 0.01	< 10	< 10	33	< 10	82
L6350 1475	201	202	1	0.02	7	460	< 2	< 2	< 1	49	< 0.01	< 10	< 10	4	< 10	14
L6450 1050	201	202	6	0.01	4	1220	36	2	< 1	19	0.01	< 10	< 10	46	< 10	108
L6450 1075	201	202	2	< 0.01	8	1510	34	2	1	29	0.04	< 10	< 10	70	< 10	326
L6450 1100	201	202	3	< 0.01	11	1350	30	2	3	19	0.01	< 10	< 10	44	< 10	178
L6450 1125	201	202	7	< 0.01	2	2020	14	< 2	3	9	< 0.01	< 10	< 10	38	< 10	84
L6450 1150	201	202	3	< 0.01	11	660	42	2	3	13	< 0.01	< 10	< 10	46	< 10	142
L6450 1175	201	202	3	< 0.01	8	1200	28	2	< 1	22	0.04	< 10	< 10	72	< 10	188
L6450 1200	201	202	3	0.01	8	2170	48	2	< 1	18	0.01	< 10	< 10	46	< 10	138
L6450 1225	201	202	3	< 0.01	7	1520	46	4	1	16	0.03	< 10	< 10	55	< 10	202
L6450 1250	201	202	5	< 0.01	14	950	26	2	4	16	< 0.01	< 10	< 10	44	< 10	136
L6450 1275	201	202	8	0.01	12	1170	22	2	2	12	0.03	< 10	< 10	74	< 10	140
L6450 1300	201	202	4	< 0.01	6	1260	28	< 2	1	11	0.17	< 10	< 10	76	< 10	96
L6450 1325	201	202	5	< 0.01	5	1420	26	2	< 1	19	0.02	< 10	< 10	88	< 10	112
L6450 1350	201	202	12	< 0.01	5	1500	62	< 2	< 1	13	0.03	< 10	< 10	89	< 10	74
L6450 1375	201	202	16	< 0.01	21	2570	32	< 2	6	5	0.10	< 10	< 10	164	< 10	106
L6450 1400	201	202	3	< 0.01	6	1020	50	< 2	1	6	0.01	< 10	< 10	51	< 10	74
L6450 1425	201	202	3	< 0.01	12	1050	20	2	1	8	0.01	< 10	< 10	55	< 10	104
L6450 1450	201	202	3	< 0.01	6	1360	54	4	4	22	< 0.01	< 10	< 10	38	< 10	278
L6450 1475	201	202	3	< 0.01	6	2080	56	2	2	15	< 0.01	< 10	< 10	52	< 10	190
L6450 1500	201	202	4	< 0.01	5	1130	46	< 2	7	27	< 0.01	< 10	< 10	41	< 10	116
L6450 1525	201	202	2	0.01	17	910	20	< 2	9	40	0.06	< 10	< 10	72	< 10	114
L6450 1550	201	202	1	0.01	24	910	16	< 2	10	42	0.06	< 10	< 10	76	< 10	144

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Page Number :3-A
Total Pages :6
Certificate Date: 11-SEP-97
Invoice No. :I9740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L6550 1050	201	202	< 5	0.2	1.17	26	130	< 0.5	< 2	0.08	< 0.5	4	13	26	5.04	< 10	140	0.10	< 10	0.23	455
L6550 1075	201	202	< 5	< 0.2	0.70	20	210	< 0.5	< 2	0.02	< 0.5	2	1	16	4.09	< 10	80	0.17	10	0.04	130
L6550 1100	201	202	< 5	< 0.2	1.18	24	220	< 0.5	< 2	0.01	< 0.5	3	5	19	5.28	< 10	150	0.15	10	0.08	170
L6550 1125	201	202	< 5	0.4	1.79	18	150	< 0.5	< 2	0.04	< 0.5	19	7	23	5.22	< 10	60	0.13	10	0.31	3300
L6550 1150	201	202	< 5	< 0.2	1.57	26	130	< 0.5	< 2	0.03	< 0.5	4	10	27	5.47	< 10	120	0.10	< 10	0.12	465
L6550 1175	201	202	< 5	0.2	0.12	212	10	< 0.5	< 2	< 0.01	< 0.5	2	< 1	11	>15.00	< 10	10	< 0.01	< 10	< 0.01	15
L6550 1200	201	202	< 5	0.2	0.04	96	< 10	< 0.5	< 2	< 0.01	0.5	3	< 1	10	>15.00	< 10	10	< 0.01	< 10	< 0.01	20
L6550 1225	201	202	< 5	0.2	0.09	128	< 10	< 0.5	< 2	< 0.01	< 0.5	2	< 1	27	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	15
L6550 1250	201	202	< 5	0.2	0.15	64	< 10	< 0.5	< 2	< 0.01	1.5	3	< 1	46	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	20
L6550 1275	201	202	< 5	0.2	0.28	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	2	5	27	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	10
L6550 1300	201	202	< 5	0.6	1.29	28	60	< 0.5	< 2	0.01	< 0.5	4	10	22	10.80	< 10	70	0.07	< 10	0.12	230
L6550 1325	201	202	< 5	< 0.2	0.05	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	3	< 1	1	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	15
L6550 1350	201	202	< 5	0.2	0.15	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	2	4	1	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	5
L6550 1375	201	202	< 5	0.2	0.06	< 2	< 10	< 0.5	< 2	< 0.01	1.0	3	< 1	2	>15.00	< 10	10	0.01	< 10	< 0.01	15
L6550 1400	201	202	< 5	0.2	0.14	14	< 10	< 0.5	< 2	< 0.01	1.5	3	< 1	4	>15.00	< 10	< 10	< 0.01	< 10	< 0.01	30
L6550 1425	201	202	< 5	0.2	0.85	20	90	< 0.5	< 2	0.03	< 0.5	2	4	26	>15.00	< 10	70	0.07	< 10	0.04	135
L6550 1450	201	202	< 5	1.4	1.01	24	70	< 0.5	< 2	< 0.01	< 0.5	5	3	64	>15.00	< 10	50	0.03	< 10	0.01	1125
L6650 1050	201	202	< 5	< 0.2	0.23	14	30	< 0.5	6	0.01	< 0.5	< 1	1	7	2.31	< 10	60	0.01	< 10	< 0.01	85
L6650 1075	201	202	< 5	< 0.2	0.49	42	40	< 0.5	16	0.01	< 0.5	< 1	1	16	5.09	< 10	40	0.03	< 10	0.01	60
L6650 1100	201	202	< 5	< 0.2	0.34	26	50	< 0.5	6	0.04	< 0.5	< 1	2	7	1.90	< 10	60	0.03	< 10	0.01	40
L6650 1125A	201	202	< 5	0.2	0.62	26	400	< 0.5	< 2	0.01	< 0.5	8	6	27	13.15	< 10	120	0.26	< 10	0.12	935
L6650 1125B	201	202	< 5	0.2	1.55	20	100	< 0.5	4	0.03	< 0.5	7	10	20	3.84	< 10	70	0.10	< 10	0.30	1185
L6650 1150	201	202	< 5	0.4	2.37	22	120	< 0.5	< 2	0.04	< 0.5	11	19	31	5.40	< 10	70	0.13	10	0.46	1230
L6650 1175	201	202	< 5	< 0.2	0.38	214	110	< 0.5	10	0.01	< 0.5	< 1	2	6	3.46	< 10	120	0.07	< 10	0.01	60
L6650 1200	201	202	< 5	0.2	2.08	12	120	< 0.5	< 2	0.02	< 0.5	2	14	16	7.53	< 10	30	0.09	10	0.16	220
L6650 1225	201	202	< 5	0.2	0.27	114	10	< 0.5	< 2	< 0.01	1.0	3	8	47	>15.00	< 10	20	< 0.01	< 10	< 0.01	40
L6650 1250	201	202	< 5	0.4	0.62	66	170	< 0.5	< 2	0.01	< 0.5	3	5	24	>15.00	< 10	30	0.07	< 10	0.03	95
L6650 1275	201	202	< 5	0.2	0.55	54	30	< 0.5	< 2	0.01	< 0.5	1	1	14	>15.00	< 10	50	0.03	< 10	0.01	40
L6650 1300	201	202	< 5	0.2	0.59	20	40	< 0.5	< 2	0.01	< 0.5	3	8	35	>15.00	< 10	20	0.05	< 10	0.05	105
L6650 1325	201	202	< 5	0.2	0.76	16	30	< 0.5	< 2	< 0.01	< 0.5	4	21	24	>15.00	< 10	30	0.05	< 10	0.07	185
L6650 1350	201	202	< 5	0.2	0.19	54	30	< 0.5	< 2	< 0.01	< 0.5	2	< 1	7	>15.00	< 10	30	0.04	< 10	0.03	20
L6650 1375	201	202	< 5	0.4	0.58	46	370	< 0.5	< 2	0.05	< 0.5	1	1	25	7.31	< 10	90	0.09	< 10	0.06	140
L6650 1400	201	202	< 5	0.4	1.73	14	80	< 0.5	< 2	0.08	< 0.5	5	11	22	5.03	< 10	60	0.09	< 10	0.59	265
L6650 1425	201	202	< 5	< 0.2	2.11	22	180	0.5	< 2	0.19	< 0.5	38	50	85	9.24	< 10	30	0.12	< 10	0.91	2650
L6650 1450	201	202	< 5	0.8	1.32	40	190	< 0.5	< 2	0.11	< 0.5	10	38	29	6.69	< 10	80	0.11	< 10	0.53	710
L6650 1475	201	202	15	0.4	1.54	38	580	< 0.5	< 2	0.08	< 0.5	12	50	25	5.39	< 10	60	0.10	< 10	0.66	860
L6650 1500	201	202	< 5	0.8	1.89	22	140	0.5	< 2	0.10	< 0.5	25	24	47	7.51	< 10	60	0.10	< 10	0.59	2500
L6650 1525	201	202	< 5	0.2	0.58	20	650	< 0.5	< 2	0.04	< 0.5	1	4	13	4.17	< 10	60	0.09	< 10	0.11	95
L6650 1550	201	202	< 5	0.4	1.47	20	160	< 0.5	< 2	0.10	< 0.5	10	20	19	7.25	< 10	60	0.09	< 10	0.30	1120
L6650 1575	201	202	< 5	0.2	0.94	14	90	< 0.5	< 2	0.04	< 0.5	3	3	12	4.43	< 10	50	0.12	< 10	0.10	480

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. : I9740806
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L6550 1050	201	202	3	< 0.01	7	1640	14	< 2	< 1	18	0.01	< 10	< 10	53	< 10	82
L6550 1075	201	202	4	0.02	1	1560	12	< 2	< 1	38	< 0.01	< 10	< 10	18	< 10	54
L6550 1100	201	202	4	0.01	4	2230	22	< 2	< 1	35	< 0.01	< 10	< 10	27	< 10	50
L6550 1125	201	202	2	< 0.01	5	1520	26	< 2	1	15	< 0.01	< 10	< 10	51	< 10	104
L6550 1150	201	202	5	< 0.01	4	980	32	< 2	1	22	0.02	< 10	< 10	71	< 10	84
L6550 1175	201	202	< 1	< 0.01	< 1	1940	4	2	< 1	2	< 0.01	< 10	40	264	< 10	18
L6550 1200	201	202	< 1	< 0.01	< 1	1100	4	2	< 1	< 1	< 0.01	< 10	40	187	< 10	18
L6550 1225	201	202	< 1	< 0.01	< 1	1100	8	< 2	< 1	< 1	< 0.01	< 10	40	164	< 10	18
L6550 1250	201	202	< 1	< 0.01	< 1	1050	6	< 2	< 1	< 1	< 0.01	< 10	50	124	< 10	24
L6550 1275	201	202	< 1	< 0.01	< 1	240	6	< 2	< 1	< 1	< 0.01	< 10	40	75	< 10	22
L6550 1300	201	202	3	< 0.01	3	1270	6	< 2	1	12	0.05	< 10	< 10	72	< 10	80
L6550 1325	201	202	< 1	< 0.01	< 1	90	6	< 2	< 1	< 1	< 0.01	< 10	50	56	< 10	20
L6550 1350	201	202	< 1	< 0.01	< 1	90	4	2	< 1	< 1	< 0.01	< 10	40	88	< 10	16
L6550 1375	201	202	< 1	< 0.01	< 1	760	4	2	< 1	< 1	< 0.01	< 10	40	35	< 10	16
L6550 1400	201	202	< 1	< 0.01	< 1	540	8	< 2	< 1	< 1	< 0.01	< 10	50	35	< 10	22
L6550 1425	201	202	1	< 0.01	1	2020	10	2	< 1	11	0.01	< 10	10	67	< 10	56
L6550 1450	201	202	< 1	< 0.01	< 1	2560	20	< 2	2	4	0.04	< 10	30	63	< 10	274
L6650 1050	201	202	2	< 0.01	< 1	260	6	< 2	< 1	18	< 0.01	< 10	< 10	26	< 10	12
L6650 1075	201	202	7	< 0.01	< 1	470	16	< 2	< 1	20	< 0.01	< 10	< 10	40	< 10	20
L6650 1100	201	202	6	< 0.01	< 1	240	16	< 2	< 1	31	< 0.01	< 10	< 10	23	< 10	14
L6650 1125A	201	202	< 1	< 0.01	3	1080	40	2	4	24	< 0.01	< 10	10	40	< 10	120
L6650 1125B	201	202	2	< 0.01	5	710	22	< 2	1	20	0.01	< 10	< 10	51	< 10	60
L6650 1150	201	202	1	< 0.01	13	650	48	< 2	4	13	0.01	< 10	< 10	67	< 10	168
L6650 1175	201	202	13	< 0.01	< 1	510	32	2	< 1	23	< 0.01	< 10	< 10	36	< 10	14
L6650 1200	201	202	< 1	< 0.01	3	720	24	< 2	1	9	0.03	< 10	< 10	63	< 10	54
L6650 1225	201	202	< 1	< 0.01	< 1	4080	4	2	< 1	1	< 0.01	< 10	40	194	< 10	28
L6650 1250	201	202	< 1	< 0.01	< 1	2100	10	< 2	< 1	16	0.01	< 10	20	93	< 10	62
L6650 1275	201	202	< 1	< 0.01	< 1	1690	4	2	< 1	8	0.01	< 10	30	73	< 10	36
L6650 1300	201	202	< 1	< 0.01	< 1	1050	2	2	1	6	0.03	< 10	20	59	< 10	62
L6650 1325	201	202	< 1	< 0.01	< 1	1280	10	< 2	< 1	3	0.01	< 10	30	89	< 10	80
L6650 1350	201	202	< 1	< 0.01	< 1	2460	6	< 2	< 1	6	< 0.01	< 10	30	85	< 10	14
L6650 1375	201	202	1	< 0.01	< 1	950	16	< 2	1	22	< 0.01	< 10	< 10	31	< 10	58
L6650 1400	201	202	1	< 0.01	5	640	18	< 2	4	22	0.02	< 10	< 10	55	< 10	56
L6650 1425	201	202	< 1	< 0.01	27	1620	30	2	7	12	< 0.01	< 10	< 10	62	< 10	186
L6650 1450	201	202	3	< 0.01	14	1610	34	< 2	4	24	< 0.01	< 10	< 10	40	< 10	84
L6650 1475	201	202	3	< 0.01	24	1440	28	< 2	3	32	0.01	< 10	< 10	52	< 10	102
L6650 1500	201	202	1	< 0.01	15	1720	14	< 2	4	13	0.01	< 10	< 10	56	< 10	150
L6650 1525	201	202	3	< 0.01	1	630	16	< 2	1	30	< 0.01	< 10	< 10	24	< 10	42
L6650 1550	201	202	1	< 0.01	7	1810	14	< 2	1	20	0.01	< 10	< 10	55	< 10	84
L6650 1575	201	202	2	< 0.01	< 1	1100	26	< 2	< 1	23	< 0.01	< 10	< 10	23	< 10	44

CERTIFICATION:

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L6650 1600	201	202	< 5	0.2	1.13	20	550	< 0.5	< 2	0.13	< 0.5	10	16	32	6.83	< 10	220	0.12	< 10	0.37	1160
L6650 1625	201	202	< 5	0.2	0.35	42	130	< 0.5	< 2	0.01	< 0.5	3	7	37	>15.00	< 10	50	0.05	< 10	0.08	125
L6650 1650	201	202	< 5	< 0.2	1.97	20	470	0.5	< 2	0.63	0.5	17	24	55	4.85	< 10	110	0.13	< 10	1.04	1105
L6900 1700	201	202	< 5	0.2	2.94	22	70	< 0.5	< 2	0.20	< 0.5	7	31	39	4.97	< 10	120	0.08	10	0.48	460
L6900 1725	201	202	< 5	0.2	3.02	22	160	1.5	< 2	0.89	0.5	19	31	53	4.14	< 10	140	0.11	30	0.58	2110
L6900 1775	201	202	< 5	< 0.2	0.97	12	190	1.0	< 2	0.52	< 0.5	14	12	50	3.77	< 10	170	0.19	< 10	0.26	2110
L6900 1800	201	202	< 5	< 0.2	0.81	12	70	0.5	< 2	0.26	< 0.5	6	14	70	3.44	< 10	200	0.15	< 10	0.16	635
L6900 1825	201	202	< 5	< 0.2	1.33	< 2	140	1.5	< 2	0.59	< 0.5	12	7	90	3.97	< 10	170	0.22	10	0.41	1905
L6900 1850	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L6900 1875	201	202	< 5	< 0.2	1.38	12	270	1.5	< 2	1.61	< 0.5	11	11	98	3.53	< 10	330	0.10	20	0.45	1020
L6950N 1150E	201	202	15	< 0.2	0.38	28	390	< 0.5	6	0.01	< 0.5	< 1	< 1	8	1.97	< 10	40	0.13	< 10	0.06	90
L6950N 1175E	201	202	< 5	0.2	0.48	26	240	< 0.5	2	< 0.01	< 0.5	< 1	< 1	8	2.12	< 10	20	0.12	< 10	0.10	80
L6950N 1200E	201	202	< 5	0.6	0.78	22	290	< 0.5	2	0.01	< 0.5	1	1	14	2.59	< 10	40	0.11	< 10	0.10	120
L6950N 1225E	201	202	< 5	0.2	0.90	12	180	< 0.5	6	0.01	< 0.5	< 1	1	8	1.76	< 10	10	0.14	< 10	0.10	65
L6950N 1250E	201	202	< 5	0.2	0.67	38	570	< 0.5	< 2	< 0.01	< 0.5	2	1	24	3.28	< 10	40	0.10	< 10	0.06	385
L6950N 1275E	201	202	< 5	0.2	0.57	28	190	< 0.5	2	0.01	< 0.5	< 1	1	7	2.38	< 10	10	0.14	10	0.04	125
L6950N 1300E	201	202	< 5	< 0.2	0.79	12	80	< 0.5	2	0.01	< 0.5	< 1	1	7	1.15	< 10	30	0.12	< 10	0.05	70
L6950N 1325E	201	202	< 5	< 0.2	0.69	12	200	< 0.5	< 2	< 0.01	< 0.5	< 1	1	4	1.19	< 10	10	0.11	10	0.11	30
L6950N 1350E	201	202	< 5	< 0.2	0.79	40	430	< 0.5	2	< 0.01	< 0.5	< 1	1	9	3.78	< 10	60	0.22	10	0.16	175
L6950N 1375E	201	202	< 5	0.2	1.07	14	210	< 0.5	< 2	0.02	< 0.5	1	3	8	2.25	< 10	70	0.16	10	0.18	100
L6950N 1400E	201	202	< 5	< 0.2	0.60	26	220	< 0.5	2	0.01	< 0.5	< 1	1	9	2.73	< 10	50	0.14	< 10	0.09	50
L6950N 1425E	201	202	< 5	< 0.2	1.05	38	280	< 0.5	6	0.01	< 0.5	5	5	17	3.29	< 10	130	0.15	< 10	0.29	470
L6950N 1450E	201	202	< 5	0.2	0.62	26	520	< 0.5	< 2	0.04	< 0.5	9	1	39	4.27	< 10	120	0.12	10	0.13	1360
L6950N 1475E	201	202	< 5	< 0.2	0.64	30	360	< 0.5	< 2	0.04	< 0.5	4	2	24	4.34	< 10	100	0.13	10	0.20	570
L6950N 1500E	201	202	< 5	< 0.2	0.85	12	470	< 0.5	< 2	0.14	< 0.5	< 1	< 1	8	2.10	< 10	170	0.20	10	0.54	515
L6950N 1525E	201	202	< 5	< 0.2	0.63	16	390	< 0.5	< 2	0.07	< 0.5	9	< 1	17	3.28	< 10	170	0.16	10	0.07	1020
L6950N 1550E	201	202	< 5	< 0.2	0.57	16	310	< 0.5	2	0.03	< 0.5	1	< 1	15	2.16	< 10	260	0.18	10	0.14	220
L6950N 1575E	201	202	20	< 0.2	1.08	26	440	< 0.5	< 2	0.23	< 0.5	10	17	22	3.55	< 10	100	0.16	10	0.35	1315
L6950N 1600E	201	202	< 5	0.2	1.04	42	450	0.5	< 2	0.31	0.5	18	10	24	7.35	< 10	150	0.10	10	0.20	990
L6950N 1625E	201	202	< 5	0.2	1.85	34	420	0.5	< 2	0.32	0.5	18	22	48	5.09	< 10	160	0.15	10	0.53	1970
L6950N 1650E	201	202	< 5	< 0.2	0.87	26	520	< 0.5	< 2	0.31	< 0.5	6	4	20	4.10	< 10	140	0.21	10	0.38	1125
L7000N 1700E	201	202	< 5	< 0.2	1.63	16	140	1.0	< 2	0.47	< 0.5	9	12	51	4.21	< 10	110	0.23	10	0.48	725
L7000N 1725E	201	202	< 5	< 0.2	2.09	18	280	2.0	< 2	0.53	< 0.5	12	22	81	4.63	< 10	220	0.20	20	0.67	710
L7000N 1750E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000N 1775E	201	202	< 5	< 0.2	1.40	30	270	2.0	< 2	1.45	< 0.5	14	14	92	4.09	< 10	350	0.20	30	0.48	1835
L7000N 1800E	201	202	< 5	< 0.2	1.61	14	290	2.0	< 2	0.90	< 0.5	16	20	99	4.82	< 10	290	0.26	10	0.69	1275
L7000N 1825E	201	202	< 5	< 0.2	1.69	16	360	1.5	< 2	1.38	< 0.5	16	23	97	4.43	< 10	260	0.25	20	0.73	1600
L7000N 1850E	201	202	< 5	< 0.2	2.04	10	110	1.5	< 2	0.50	< 0.5	15	26	45	3.87	< 10	40	0.25	10	0.69	1390
L7000N 1875E	201	202	< 5	< 0.2	2.54	10	120	1.5	< 2	0.97	< 0.5	19	42	63	5.10	< 10	60	0.18	10	1.15	1915
L7000N 1900E	201	202	< 5	< 0.2	2.25	10	80	1.0	< 2	0.59	< 0.5	15	29	38	4.98	< 10	100	0.15	10	0.64	1250

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. :19740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L6650 1600	201	202	1	< 0.01	7	1180	26	< 2	6	38	0.01	< 10	< 10	53	< 10	94
L6650 1625	201	202	< 1	< 0.01	< 1	1420	10	< 2	1	13	0.01	< 10	30	71	< 10	38
L6650 1650	201	202	1	< 0.01	22	950	10	< 2	8	44	0.08	< 10	< 10	85	< 10	138
L6900 1700	201	202	3	< 0.01	15	1100	12	< 2	4	16	0.06	< 10	< 10	83	< 10	84
L6900 1725	201	202	4	< 0.01	17	2420	12	< 2	5	50	0.04	< 10	< 10	89	< 10	132
L6900 1775	201	202	1	< 0.01	9	1810	20	4	1	35	0.01	< 10	< 10	93	< 10	86
L6900 1800	201	202	1	< 0.01	8	1960	14	2	< 1	18	0.01	< 10	< 10	82	< 10	58
L6900 1825	201	202	< 1	< 0.01	6	1120	18	2	4	52	0.01	< 10	< 10	101	< 10	74
L6900 1850	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L6900 1875	201	202	< 1	< 0.01	9	1580	14	6	5	96	0.01	< 10	< 10	82	< 10	64
L6950N 1150E	201	202	4	< 0.01	< 1	390	42	< 2	2	34	< 0.01	< 10	< 10	10	< 10	18
L6950N 1175E	201	202	3	< 0.01	< 1	430	40	< 2	< 1	39	< 0.01	< 10	< 10	13	< 10	16
L6950N 1200E	201	202	3	< 0.01	< 1	430	28	< 2	1	28	< 0.01	< 10	< 10	20	< 10	58
L6950N 1225E	201	202	3	< 0.01	< 1	370	42	< 2	1	30	< 0.01	< 10	< 10	25	< 10	32
L6950N 1250E	201	202	2	< 0.01	1	480	38	2	1	25	< 0.01	< 10	< 10	23	< 10	162
L6950N 1275E	201	202	3	< 0.01	< 1	300	58	< 2	1	35	< 0.01	< 10	< 10	17	< 10	20
L6950N 1300E	201	202	2	< 0.01	< 1	450	18	< 2	< 1	23	< 0.01	< 10	< 10	16	< 10	26
L6950N 1325E	201	202	1	< 0.01	< 1	310	18	< 2	1	28	< 0.01	< 10	< 10	9	< 10	6
L6950N 1350E	201	202	3	< 0.01	< 1	1750	30	< 2	4	55	< 0.01	< 10	< 10	19	< 10	22
L6950N 1375E	201	202	2	< 0.01	< 1	880	20	< 2	1	33	< 0.01	< 10	< 10	18	< 10	16
L6950N 1400E	201	202	3	< 0.01	< 1	790	26	< 2	1	39	< 0.01	< 10	< 10	12	< 10	8
L6950N 1425E	201	202	8	< 0.01	4	1050	26	< 2	3	41	< 0.01	< 10	< 10	22	< 10	36
L6950N 1450E	201	202	2	< 0.01	3	770	42	< 2	3	45	< 0.01	< 10	< 10	18	< 10	120
L6950N 1475E	201	202	2	0.01	< 1	1210	38	< 2	3	46	< 0.01	< 10	< 10	23	< 10	70
L6950N 1500E	201	202	3	< 0.01	< 1	810	18	< 2	1	27	< 0.01	< 10	< 10	14	< 10	30
L6950N 1525E	201	202	1	< 0.01	< 1	1090	24	< 2	1	31	< 0.01	< 10	< 10	10	< 10	46
L6950N 1550E	201	202	4	< 0.01	< 1	780	22	< 2	1	18	< 0.01	< 10	< 10	9	< 10	22
L6950N 1575E	201	202	3	< 0.01	8	1210	40	< 2	3	36	< 0.01	< 10	< 10	18	< 10	112
L6950N 1600E	201	202	4	< 0.01	8	1550	38	< 2	3	35	< 0.01	< 10	< 10	22	< 10	100
L6950N 1625E	201	202	1	< 0.01	18	1060	44	< 2	6	37	0.01	< 10	< 10	50	< 10	194
L6950N 1650E	201	202	2	< 0.01	3	1240	22	< 2	3	50	< 0.01	< 10	< 10	19	< 10	76
L7000N 1700E	201	202	3	< 0.01	8	900	16	2	4	51	0.01	< 10	< 10	107	< 10	76
L7000N 1725E	201	202	< 1	< 0.01	17	1200	22	< 2	9	50	0.04	< 10	< 10	104	< 10	112
L7000N 1750E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000N 1775E	201	202	1	< 0.01	15	1520	18	6	6	98	0.02	< 10	< 10	81	20	84
L7000N 1800E	201	202	< 1	< 0.01	19	1460	12	4	10	85	0.05	< 10	< 10	93	< 10	86
L7000N 1825E	201	202	< 1	< 0.01	20	1630	10	2	10	68	0.05	< 10	< 10	89	< 10	82
L7000N 1850E	201	202	< 1	< 0.01	15	1590	12	< 2	4	24	0.05	< 10	< 10	99	< 10	94
L7000N 1875E	201	202	< 1	< 0.01	22	1560	8	< 2	10	38	0.07	< 10	< 10	129	< 10	86
L7000N 1900E	201	202	1	< 0.01	13	2070	8	< 2	3	26	0.06	< 10	< 10	123	< 10	66

CERTIFICATION:_____

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
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Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. :I9740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7000N 1925E	201	202	< 5	< 0.2	3.27	22	260	1.5	< 2	1.99	< 0.5	16	48	153	4.79	10	350	0.23	20	1.28	1670
L7050 1050	201	202	< 5	0.2	0.77	36	510	< 0.5	< 2	0.05	< 0.5	13	1	42	4.13	< 10	170	0.13	10	0.07	1395
L7050 1075	201	202	< 5	< 0.2	0.45	28	100	< 0.5	2	< 0.01	< 0.5	2	< 1	17	3.10	< 10	230	0.12	< 10	0.03	255
L7050 1100	201	202	< 5	0.2	0.60	24	160	< 0.5	< 2	0.01	< 0.5	5	1	8	1.98	< 10	30	0.11	< 10	0.07	1955
L7050 1125	201	202	< 5	< 0.2	0.40	6	1130	< 0.5	< 2	0.01	< 0.5	< 1	< 1	3	0.37	< 10	40	0.19	10	0.03	25
L7050 1150	201	202	< 5	< 0.2	0.74	26	570	< 0.5	2	0.01	< 0.5	< 1	2	9	1.22	< 10	30	0.19	10	0.13	35
L7050 1175	201	202	< 5	0.2	0.57	22	120	< 0.5	< 2	0.01	< 0.5	4	5	26	3.75	< 10	40	0.13	10	0.04	350
L7050 1200	201	202	< 5	< 0.2	0.57	40	50	< 0.5	2	0.01	< 0.5	3	3	18	3.15	< 10	10	0.08	< 10	0.06	260
L7050 1225	201	202	10	0.6	1.35	12	260	< 0.5	6	< 0.01	< 0.5	< 1	1	5	1.55	< 10	< 10	0.15	10	0.35	115
L7050 1250	201	202	< 5	< 0.2	0.77	36	470	< 0.5	2	< 0.01	< 0.5	< 1	< 1	5	2.73	< 10	10	0.24	10	0.17	50
L7050 1275	201	202	< 5	< 0.2	0.62	20	230	< 0.5	6	< 0.01	< 0.5	9	< 1	26	4.92	< 10	250	0.10	< 10	0.07	565
L7050 1300	201	202	< 5	0.2	0.95	30	280	0.5	< 2	0.41	< 0.5	10	1	29	3.96	< 10	160	0.15	10	0.09	1855
L7050 1325	201	202	< 5	< 0.2	1.18	56	210	1.5	< 2	0.01	< 0.5	22	< 1	28	7.17	< 10	200	0.14	30	0.05	3270
L7050 1350	201	202	< 5	0.2	1.07	30	140	< 0.5	< 2	0.04	< 0.5	11	1	28	4.93	< 10	160	0.16	10	0.03	1775
L7050 1375	201	202	230	2.0	0.63	64	60	< 0.5	< 2	0.04	< 0.5	3	5	48	2.78	< 10	80	0.16	10	0.03	155
L7050 1400	201	202	215	0.4	1.54	194	80	0.5	< 2	0.12	< 0.5	18	13	75	7.16	< 10	70	0.21	10	0.27	1485
L7050 1425	201	202	255	0.8	1.88	128	80	< 0.5	< 2	0.05	< 0.5	10	13	61	7.78	< 10	80	0.19	10	0.28	745
L7050 1450	201	202	< 5	0.2	0.84	16	220	< 0.5	< 2	0.01	< 0.5	1	2	11	2.51	< 10	40	0.22	10	0.11	140
L7050 1475	201	202	155	1.6	1.11	80	140	< 0.5	< 2	0.08	< 0.5	7	15	63	5.53	< 10	150	0.17	10	0.13	585
L7050 1500	201	202	155	1.0	0.51	70	80	< 0.5	< 2	0.12	< 0.5	2	4	45	2.09	< 10	30	0.22	10	0.04	120
L7050 1525	201	202	100	2.0	0.57	76	60	< 0.5	< 2	0.05	< 0.5	4	6	46	2.97	< 10	60	0.14	< 10	0.03	200
L7050 1550	201	202	190	0.6	1.24	160	80	< 0.5	< 2	0.13	< 0.5	16	9	69	6.46	< 10	50	0.18	10	0.22	1295
L7050 1575	201	202	300	0.4	0.60	154	60	< 0.5	< 2	0.04	< 0.5	6	8	64	4.08	< 10	20	0.17	10	0.04	445
L7050 1600	201	202	< 5	0.2	1.25	26	290	< 0.5	< 2	0.05	< 0.5	2	10	21	3.90	< 10	60	0.17	10	0.17	300
L7050 1625	201	202	< 5	< 0.2	1.13	22	310	< 0.5	< 2	0.05	< 0.5	4	3	14	4.17	< 10	60	0.22	10	0.33	995
L7100N 1725E	201	202	< 5	< 0.2	1.84	20	520	0.5	< 2	0.68	< 0.5	16	22	58	4.48	< 10	100	0.15	10	1.06	985
L7100N 1775E	201	202	< 5	< 0.2	2.61	16	320	1.0	< 2	0.93	0.5	18	34	84	5.09	< 10	180	0.19	10	1.08	1495
L7100N 1800E	201	202	< 5	< 0.2	2.44	16	150	0.5	< 2	0.43	< 0.5	16	30	43	4.75	< 10	50	0.18	10	0.73	1940
L7100N 1825E	201	202	< 5	0.2	2.25	14	50	< 0.5	< 2	0.37	< 0.5	12	39	50	5.22	< 10	140	0.11	< 10	0.67	1385
L7100N 1850E	201	202	< 5	0.2	2.01	2	100	1.0	< 2	1.09	1.0	18	21	46	3.78	< 10	80	0.24	10	0.58	2350
L7100N 1875E	201	202	< 5	< 0.2	3.16	6	90	1.5	< 2	0.60	< 0.5	15	29	50	4.95	10	60	0.22	10	0.71	1510
L7100N 1900E	201	202	< 5	< 0.2	3.30	10	160	2.0	< 2	1.22	< 0.5	14	31	77	4.56	10	140	0.23	30	0.72	1240
L7100N 1925E	201	202	< 5	< 0.2	1.96	4	110	1.0	< 2	0.47	< 0.5	14	24	33	4.12	< 10	60	0.28	< 10	0.54	1530
L7100N 1950E	201	202	< 5	0.2	2.85	8	100	1.5	< 2	0.38	< 0.5	13	30	47	4.25	10	60	0.31	10	0.90	730
L7150N 1100E	201	202	< 5	0.6	0.84	38	110	< 0.5	< 2	0.03	< 0.5	5	10	41	3.58	< 10	30	0.23	10	0.08	305
L7150N 1150E	201	202	< 5	0.2	0.72	20	510	0.5	< 2	0.09	< 0.5	9	1	27	4.09	< 10	80	0.14	10	0.11	2360
L7150N 1175E	201	202	< 5	< 0.2	1.78	56	330	< 0.5	< 2	0.01	< 0.5	3	1	29	4.44	< 10	30	0.23	20	1.05	870
L7150N 1200E	201	202	< 5	< 0.2	0.50	34	130	< 0.5	< 2	0.01	< 0.5	2	< 1	18	8.65	< 10	30	0.36	30	0.13	260
L7150N 1225E	201	202	< 5	< 0.2	0.89	36	870	1.5	< 2	0.06	0.5	18	< 1	40	3.56	< 10	80	0.15	20	0.04	5580
L7150N 1250E	201	202	< 5	< 0.2	0.92	30	580	1.0	< 2	0.14	< 0.5	9	1	17	3.24	< 10	30	0.16	10	0.09	3040

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7000N 1925E	201	202	1	0.01	24	1690	14	< 2	15	146	0.05	< 10	< 10	136	< 10	112
L7050 1050	201	202	2	< 0.01	2	650	50	< 2	5	54	< 0.01	< 10	< 10	21	< 10	154
L7050 1075	201	202	3	< 0.01	< 1	380	42	< 2	4	18	< 0.01	< 10	< 10	13	< 10	60
L7050 1100	201	202	2	< 0.01	< 1	350	26	< 2	1	9	< 0.01	< 10	< 10	12	< 10	22
L7050 1125	201	202	< 1	< 0.01	< 1	80	34	< 2	1	26	< 0.01	< 10	< 10	5	< 10	2
L7050 1150	201	202	3	< 0.01	< 1	540	40	< 2	1	51	< 0.01	< 10	< 10	17	< 10	8
L7050 1175	201	202	3	< 0.01	4	480	24	2	1	21	0.03	< 10	< 10	48	< 10	242
L7050 1200	201	202	4	< 0.01	1	370	18	2	1	16	0.04	< 10	< 10	52	< 10	164
L7050 1225	201	202	1	0.01	< 1	740	124	< 2	1	66	< 0.01	< 10	< 10	16	< 10	18
L7050 1250	201	202	3	0.04	< 1	1460	38	< 2	3	203	< 0.01	< 10	< 10	16	< 10	10
L7050 1275	201	202	8	< 0.01	1	570	18	< 2	1	19	< 0.01	< 10	< 10	14	< 10	36
L7050 1300	201	202	4	< 0.01	1	640	26	< 2	2	41	< 0.01	< 10	< 10	16	< 10	96
L7050 1325	201	202	6	< 0.01	3	870	30	< 2	4	12	< 0.01	< 10	< 10	14	< 10	120
L7050 1350	201	202	3	0.01	1	1990	50	< 2	2	26	< 0.01	< 10	< 10	18	< 10	92
L7050 1375	201	202	4	< 0.01	6	1540	28	< 2	< 1	9	< 0.01	< 10	< 10	25	< 10	104
L7050 1400	201	202	5	< 0.01	16	2450	120	< 2	3	16	< 0.01	< 10	< 10	34	< 10	226
L7050 1425	201	202	4	0.01	11	1690	96	< 2	2	12	< 0.01	< 10	< 10	45	< 10	160
L7050 1450	201	202	6	0.01	1	1030	36	< 2	< 1	21	< 0.01	< 10	< 10	38	< 10	40
L7050 1475	201	202	6	< 0.01	10	3900	70	< 2	1	21	< 0.01	< 10	< 10	60	< 10	108
L7050 1500	201	202	4	< 0.01	5	800	32	< 2	1	13	< 0.01	< 10	< 10	34	< 10	92
L7050 1525	201	202	3	< 0.01	6	1740	30	< 2	< 1	9	< 0.01	< 10	< 10	24	< 10	110
L7050 1550	201	202	5	< 0.01	13	2160	106	2	3	16	< 0.01	< 10	< 10	33	< 10	204
L7050 1575	201	202	4	< 0.01	7	1920	52	2	1	12	0.01	< 10	< 10	50	< 10	158
L7050 1600	201	202	4	0.01	4	1790	42	< 2	< 1	23	< 0.01	< 10	< 10	26	< 10	74
L7050 1625	201	202	3	0.02	2	2120	20	< 2	< 1	34	< 0.01	< 10	< 10	36	< 10	58
L7100N 1725E	201	202	2	0.01	22	880	10	< 2	9	43	0.07	< 10	< 10	77	< 10	124
L7100N 1775E	201	202	1	0.02	24	1320	14	< 2	12	93	0.08	< 10	< 10	109	< 10	138
L7100N 1800E	201	202	2	0.01	18	1970	16	< 2	5	28	0.06	< 10	< 10	104	< 10	160
L7100N 1825E	201	202	2	< 0.01	18	1690	22	< 2	6	19	0.11	< 10	< 10	131	< 10	88
L7100N 1850E	201	202	1	0.01	12	1970	18	< 2	4	61	0.07	< 10	< 10	96	< 10	110
L7100N 1875E	201	202	2	0.01	15	1790	12	< 2	6	46	0.12	< 10	< 10	121	< 10	114
L7100N 1900E	201	202	1	< 0.01	14	1880	12	< 2	11	131	0.09	< 10	< 10	132	< 10	88
L7100N 1925E	201	202	2	< 0.01	12	1450	12	< 2	4	27	0.05	< 10	< 10	106	< 10	92
L7100N 1950E	201	202	1	0.01	17	1120	8	< 2	6	22	0.05	< 10	< 10	105	< 10	86
L7150N 1100E	201	202	8	< 0.01	11	1370	18	< 2	1	10	0.03	< 10	< 10	64	< 10	152
L7150N 1150E	201	202	1	< 0.01	3	680	38	2	4	38	< 0.01	< 10	< 10	28	< 10	208
L7150N 1175E	201	202	1	0.01	< 1	990	20	< 2	4	31	< 0.01	< 10	< 10	55	< 10	56
L7150N 1200E	201	202	5	0.22	1	2540	32	< 2	2	282	< 0.01	< 10	< 10	46	< 10	34
L7150N 1225E	201	202	4	< 0.01	3	670	36	< 2	4	27	< 0.01	< 10	< 10	10	< 10	210
L7150N 1250E	201	202	3	< 0.01	3	1520	36	< 2	1	35	< 0.01	< 10	< 10	14	< 10	136

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Page Number :6-A
Total Pages :6
Certificate Date: 11-SEP-97
Invoice No. :19740806
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7150N 1275E	201	202	< 5	< 0.2	1.47	20	340	1.0	< 2	0.12	< 0.5	7	5	14	3.62	< 10	50	0.20	10	0.08	3210
L7150N 1300E	201	202	< 5	< 0.2	0.90	30	510	0.5	< 2	0.51	< 0.5	9	3	16	2.56	< 10	50	0.27	20	0.11	2550
L7150N 1325E	201	202	< 5	< 0.2	1.51	34	240	< 0.5	< 2	0.02	< 0.5	10	1	16	5.33	< 10	80	0.18	10	0.03	3860
L7150N 1350E	201	202	< 5	1.6	1.38	34	450	1.0	< 2	0.34	0.5	7	4	20	1.84	< 10	310	0.16	20	0.11	295
L7150N 1375E	201	202	< 5	0.2	1.48	38	140	< 0.5	< 2	0.04	< 0.5	8	14	41	4.47	< 10	200	0.16	< 10	0.27	755
L7150N 1400E	201	202	< 5	< 0.2	0.63	54	80	< 0.5	< 2	0.01	< 0.5	4	4	32	3.11	< 10	30	0.18	10	0.04	385
L7150N 1425E	201	202	< 5	0.2	1.01	30	590	1.0	< 2	0.16	3.0	14	7	22	3.79	< 10	30	0.22	10	0.08	5880
L7150N 1450E	201	202	< 5	1.0	0.54	52	120	< 0.5	< 2	0.04	< 0.5	5	6	51	3.94	< 10	40	0.17	10	0.04	390
L7150N 1475E	201	202	< 5	0.2	0.99	98	70	< 0.5	< 2	0.02	< 0.5	11	15	55	5.23	< 10	40	0.17	10	0.07	2480
L7150N 1500E	201	202	30	2.4	1.59	84	70	0.5	< 2	0.03	0.5	22	8	96	8.05	< 10	180	0.17	10	0.29	1280
L7150N 1525E	201	202	< 5	1.0	1.01	32	80	< 0.5	< 2	0.03	< 0.5	6	10	48	5.83	< 10	50	0.21	< 10	0.14	425
L7150N 1550E	201	202	< 5	1.0	0.55	48	70	< 0.5	< 2	0.01	< 0.5	5	7	41	3.90	< 10	40	0.18	10	0.06	395
L7150N 1575E	201	202	20	0.6	1.11	114	80	< 0.5	< 2	0.02	< 0.5	9	10	29	5.38	< 10	50	0.19	< 10	0.15	1520
L7150N 1625E	201	202	160	0.6	1.34	132	70	< 0.5	< 2	0.03	< 0.5	7	11	41	6.68	< 10	40	0.20	10	0.13	1245
L7150N 1650E	201	202	55	0.6	1.23	32	80	< 0.5	< 2	0.03	< 0.5	5	12	31	3.67	< 10	50	0.17	10	0.12	260
L7150N 1675E	201	202	40	0.4	0.75	82	60	< 0.5	< 2	0.05	< 0.5	6	8	66	5.76	< 10	40	0.13	10	0.03	180
L7150N 1700E	201	202	80	< 0.2	1.29	110	90	< 0.5	< 2	0.05	< 0.5	4	10	49	6.10	10	70	0.14	10	0.09	230
L7150N 1725E	201	202	120	< 0.2	1.20	32	440	0.5	< 2	0.12	< 0.5	13	8	43	5.60	< 10	160	0.17	10	0.34	860
L7150N 1750E	201	202	< 5	< 0.2	1.15	22	470	0.5	< 2	0.28	1.5	25	8	39	5.01	< 10	180	0.13	20	0.38	2510

CERTIFICATION:

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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN: DAVID CAULFIELD ATTN: A.W. MARK

Certificate Date: 11-SEP-97
Invoice No. : I9740806
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9740806

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7150N 1275E	201	202	3	< 0.01	2	2060	20	< 2	< 1	24	< 0.01	< 10	< 10	24	< 10	120
L7150N 1300E	201	202	2	0.01	1	1670	34	< 2	< 1	56	< 0.01	< 10	< 10	16	< 10	122
L7150N 1325E	201	202	4	0.01	< 1	1550	22	< 2	1	32	< 0.01	< 10	< 10	14	< 10	30
L7150N 1350E	201	202	1	< 0.01	4	630	222	< 2	4	35	< 0.01	< 10	< 10	17	< 10	144
L7150N 1375E	201	202	3	< 0.01	11	1000	54	2	3	24	< 0.01	< 10	< 10	47	< 10	240
L7150N 1400E	201	202	5	< 0.01	5	920	38	< 2	< 1	19	< 0.01	< 10	< 10	32	< 10	272
L7150N 1425E	201	202	3	< 0.01	7	2360	60	< 2	< 1	24	0.01	< 10	< 10	35	< 10	250
L7150N 1450E	201	202	8	< 0.01	12	970	22	< 2	1	16	0.03	< 10	< 10	43	< 10	286
L7150N 1475E	201	202	10	< 0.01	14	4780	132	2	4	17	< 0.01	< 10	< 10	40	< 10	316
L7150N 1500E	201	202	13	< 0.01	24	3170	76	< 2	6	14	< 0.01	< 10	< 10	40	< 10	294
L7150N 1525E	201	202	9	< 0.01	12	2350	22	< 2	< 1	9	< 0.01	< 10	< 10	58	< 10	184
L7150N 1550E	201	202	9	< 0.01	13	1300	34	< 2	< 1	12	0.01	< 10	< 10	38	< 10	234
L7150N 1575E	201	202	6	< 0.01	11	2160	28	< 2	1	7	0.03	< 10	< 10	48	< 10	158
L7150N 1625E	201	202	5	< 0.01	8	3420	48	< 2	< 1	6	0.03	< 10	< 10	59	< 10	130
L7150N 1650E	201	202	4	< 0.01	8	1490	10	< 2	< 1	7	0.03	< 10	< 10	61	< 10	88
L7150N 1675E	201	202	5	0.01	8	4100	32	< 2	1	13	0.01	< 10	< 10	53	< 10	128
L7150N 1700E	201	202	6	< 0.01	9	2420	32	< 2	< 1	15	0.01	< 10	< 10	59	< 10	144
L7150N 1725E	201	202	4	0.01	5	1500	64	< 2	4	78	< 0.01	< 10	< 10	32	< 10	168
L7150N 1750E	201	202	3	< 0.01	11	1190	52	< 2	5	48	< 0.01	< 10	< 10	32	< 10	268

CERTIFICATION:

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212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:AWMACK

Page Number :1-A
Total Pages :4
Certificate Date: 12-SEP-97
Invoice No. :I9740967
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7200N 1775E	201	202	< 5	< 0.2	2.04	24	140	1.0	< 2	0.41	0.5	19	23	45	4.86	< 10	80	0.20	10	0.75	1575
L7200N 1800E	201	202	< 5	< 0.2	2.08	30	130	1.5	< 2	0.53	0.5	18	22	55	5.03	< 10	120	0.25	20	0.82	1495
L7200N 1825E	201	202	10	< 0.2	1.93	30	120	1.5	< 2	0.51	< 0.5	20	20	51	4.83	< 10	130	0.22	10	0.80	1640
L7200N 1850E	201	202	< 5	< 0.2	1.99	22	170	1.5	< 2	0.69	0.5	17	24	85	4.76	< 10	170	0.24	20	0.88	1590
L7200N 1875E	201	202	< 5	< 0.2	1.92	22	160	1.5	< 2	0.68	0.5	18	22	65	4.63	< 10	130	0.22	20	0.85	1580
L7200N 1900E	201	202	< 5	< 0.2	2.22	30	200	1.5	< 2	0.63	0.5	21	27	81	5.59	< 10	210	0.28	20	0.96	1560
L7200N 1925E	201	202	< 5	0.2	1.65	< 2	40	< 0.5	< 2	0.08	< 0.5	2	13	43	3.06	< 10	120	0.07	10	0.11	130
L7200N 1950E	201	202	< 5	0.2	1.01	6	50	< 0.5	< 2	0.12	< 0.5	4	13	19	2.40	< 10	50	0.13	< 10	0.27	225
L7200N 1975E	201	202	< 5	0.2	5.29	12	50	0.5	< 2	0.31	1.0	16	35	38	6.68	10	130	0.05	10	0.72	1285
L7200N 2000E	201	202	< 5	0.2	3.28	8	50	0.5	< 2	0.14	< 0.5	9	26	37	3.77	10	100	0.09	10	0.58	630
L7250N 1150E	201	202	< 5	< 0.2	0.71	70	250	< 0.5	< 2	0.01	< 0.5	10	3	13	2.18	< 10	110	0.13	10	0.03	4240
L7250N 1175E	201	202	< 5	0.2	0.78	76	640	0.5	< 2	0.24	0.5	11	3	22	3.38	< 10	60	0.16	10	0.08	4060
L7250N 1200E	201	202	< 5	< 0.2	0.59	34	200	< 0.5	2	0.05	< 0.5	8	2	20	3.28	< 10	30	0.18	10	0.04	3650
L7250N 1225E	201	202	< 5	< 0.2	0.36	14	110	< 0.5	< 2	0.07	< 0.5	1	3	26	1.83	< 10	40	0.14	10	0.02	345
L7250N 1250E	201	202	< 5	0.6	0.45	24	100	< 0.5	< 2	0.05	< 0.5	1	1	19	2.30	< 10	40	0.19	20	0.03	590
L7250N 1275E	201	202	< 5	< 0.2	1.19	32	170	0.5	< 2	0.04	< 0.5	5	5	21	3.78	< 10	40	0.18	20	0.06	1675
L7250N 1300E	201	202	< 5	0.2	1.28	18	170	< 0.5	< 2	0.01	< 0.5	6	4	15	3.28	< 10	40	0.12	10	0.05	1535
L7250N 1325E	201	202	< 5	< 0.2	0.50	24	200	< 0.5	< 2	0.02	< 0.5	2	3	19	3.52	< 10	40	0.16	20	0.01	120
L7250N 1350E	201	202	< 5	< 0.2	0.84	44	110	< 0.5	< 2	< 0.01	< 0.5	5	2	24	3.46	< 10	50	0.13	10	0.03	795
L7250N 1375E	201	202	< 5	0.6	0.76	48	640	0.5	< 2	0.74	2.5	11	4	17	3.31	< 10	70	0.17	10	0.13	3980
L7250N 1400E	201	202	< 5	0.2	0.32	< 2	650	< 0.5	< 2	2.33	1.5	1	2	12	1.41	< 10	80	0.06	< 10	0.19	100
L7250N 1425E	201	202	< 5	1.0	1.15	54	940	0.5	< 2	0.42	3.0	9	13	36	3.95	< 10	80	0.22	< 10	0.24	1445
L7250N 1450E	201	202	< 5	0.2	1.05	46	550	0.5	< 2	0.19	1.0	9	10	34	4.38	< 10	80	0.18	< 10	0.12	2110
L7250N 1475E	201	202	< 5	0.4	1.24	22	160	< 0.5	< 2	0.29	0.5	14	53	36	3.98	< 10	90	0.13	< 10	0.40	3280
L7250N 1500E	201	202	< 5	0.4	2.53	40	100	0.5	< 2	0.01	0.5	10	13	26	4.95	< 10	70	0.10	< 10	0.15	1300
L7250N 1525E	201	202	< 5	0.4	2.89	12	130	0.5	< 2	0.03	1.5	3	17	16	3.56	10	70	0.10	< 10	0.14	205
L7250N 1550E	201	202	< 5	1.2	1.41	24	180	< 0.5	< 2	0.05	0.5	6	10	43	4.64	< 10	110	0.14	< 10	0.12	320
L7250N 1575E	201	202	< 5	0.8	1.07	34	90	< 0.5	< 2	0.02	0.5	5	11	51	5.16	< 10	110	0.17	10	0.08	240
L7250N 1600E	201	202	< 5	0.8	0.87	34	70	< 0.5	2	0.03	< 0.5	4	7	62	5.28	< 10	70	0.18	10	0.05	175
L7250N 1625E	201	202	< 5	0.2	2.48	40	80	0.5	< 2	0.03	0.5	13	13	42	6.02	< 10	60	0.14	10	0.21	1165
L7250N 1650E	201	202	30	1.8	2.51	108	100	0.5	< 2	0.04	0.5	23	12	52	6.46	< 10	40	0.13	10	0.46	1345
L7250N 1675E	201	202	15	0.4	1.58	52	130	0.5	< 2	0.04	1.5	32	9	91	6.71	< 10	60	0.13	10	0.38	2060
L7250N 1700E	201	202	30	0.6	1.39	58	250	0.5	< 2	0.48	1.5	20	11	73	4.98	< 10	60	0.12	10	0.50	875
L7250N 1725E	201	202	35	0.8	1.49	52	330	0.5	< 2	0.40	2.0	22	10	85	5.64	< 10	70	0.16	10	0.50	1480
L7250N 1750E	201	202	20	0.8	1.21	60	420	1.0	< 2	0.54	3.5	20	10	72	4.96	< 10	170	0.16	10	0.41	1175
L7250N 1775E	201	202	20	0.4	1.98	78	170	1.0	< 2	0.27	1.5	26	15	78	5.81	< 10	60	0.19	20	0.56	1260
L7350N 1150E	201	202	< 5	< 0.2	0.82	18	610	0.5	< 2	0.14	1.5	8	4	17	2.37	< 10	40	0.19	10	0.06	3640
L7350N 1175E	201	202	< 5	0.2	1.21	18	230	0.5	< 2	0.05	0.5	4	4	22	3.11	< 10	50	0.15	10	0.07	1250
L7350N 1200E	201	202	< 5	0.2	0.84	20	520	0.5	< 2	0.05	1.0	10	3	22	3.22	< 10	50	0.15	10	0.06	3640
L7350N 1225E	201	202	< 5	0.2	1.25	18	310	0.5	2	0.03	0.5	8	5	21	4.04	< 10	50	0.11	10	0.06	1545

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Page Number : 1-B
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CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7200N 1775E	201	202	1	< 0.01	15	2290	16	2	4	26	0.02	< 10	< 10	80	< 10	134
L7200N 1800E	201	202	< 1	< 0.01	16	1680	12	6	7	32	0.03	< 10	< 10	90	< 10	108
L7200N 1825E	201	202	< 1	< 0.01	15	1700	10	4	8	31	0.03	< 10	< 10	83	< 10	90
L7200N 1850E	201	202	< 1	< 0.01	19	1600	10	6	9	39	0.04	< 10	< 10	90	< 10	88
L7200N 1875E	201	202	1	< 0.01	17	1620	14	2	7	39	0.04	< 10	< 10	89	< 10	84
L7200N 1900E	201	202	< 1	< 0.01	21	1690	12	8	11	51	0.05	< 10	< 10	105	< 10	104
L7200N 1925E	201	202	3	< 0.01	4	3970	2	< 2	< 1	6	0.03	< 10	< 10	48	< 10	28
L7200N 1950E	201	202	1	< 0.01	7	1210	2	< 2	1	10	0.07	< 10	< 10	70	< 10	38
L7200N 1975E	201	202	3	< 0.01	17	910	8	< 2	6	13	0.11	< 10	< 10	107	< 10	76
L7200N 2000E	201	202	3	< 0.01	12	1360	14	< 2	3	9	0.08	< 10	< 10	88	< 10	84
L7250N 1150E	201	202	4	< 0.01	1	1080	32	< 2	< 1	17	< 0.01	< 10	< 10	15	< 10	68
L7250N 1175E	201	202	1	< 0.01	4	1870	26	2	1	33	< 0.01	< 10	< 10	15	< 10	134
L7250N 1200E	201	202	2	< 0.01	1	1390	30	< 2	< 1	16	< 0.01	< 10	< 10	20	< 10	122
L7250N 1225E	201	202	2	< 0.01	1	860	6	< 2	< 1	14	0.03	< 10	< 10	18	< 10	82
L7250N 1250E	201	202	< 1	< 0.01	1	960	2	2	< 1	13	< 0.01	< 10	< 10	13	< 10	102
L7250N 1275E	201	202	5	0.01	3	2350	42	< 2	< 1	12	< 0.01	< 10	< 10	21	< 10	126
L7250N 1300E	201	202	1	0.01	1	1540	16	< 2	< 1	16	< 0.01	< 10	< 10	25	< 10	62
L7250N 1325E	201	202	5	0.03	< 1	1130	18	6	< 1	55	0.02	< 10	< 10	32	< 10	46
L7250N 1350E	201	202	5	< 0.01	1	1630	40	2	1	17	< 0.01	< 10	< 10	10	< 10	110
L7250N 1375E	201	202	4	0.01	3	1450	22	4	1	55	< 0.01	< 10	10	12	< 10	98
L7250N 1400E	201	202	< 1	0.01	5	1390	6	< 2	1	142	< 0.01	< 10	< 10	5	< 10	52
L7250N 1425E	201	202	14	< 0.01	23	2190	50	6	1	41	< 0.01	< 10	< 10	45	< 10	382
L7250N 1450E	201	202	15	< 0.01	23	2320	20	2	< 1	27	0.01	< 10	< 10	53	< 10	350
L7250N 1475E	201	202	8	0.01	20	2620	12	< 2	1	20	0.01	< 10	< 10	64	< 10	142
L7250N 1500E	201	202	17	< 0.01	14	1250	20	2	3	16	0.01	< 10	< 10	53	< 10	204
L7250N 1525E	201	202	12	< 0.01	7	1230	16	2	< 1	16	0.02	< 10	< 10	65	< 10	114
L7250N 1550E	201	202	16	< 0.01	21	1820	16	< 2	1	17	< 0.01	< 10	< 10	50	< 10	248
L7250N 1575E	201	202	28	< 0.01	22	2700	16	4	1	10	0.01	< 10	< 10	66	< 10	306
L7250N 1600E	201	202	15	< 0.01	14	3420	12	2	< 1	9	< 0.01	< 10	< 10	44	< 10	198
L7250N 1625E	201	202	11	< 0.01	12	2030	24	< 2	< 1	6	0.01	< 10	< 10	45	< 10	180
L7250N 1650E	201	202	15	< 0.01	21	1340	38	4	5	7	< 0.01	< 10	< 10	44	< 10	222
L7250N 1675E	201	202	7	< 0.01	24	1250	78	< 2	6	10	< 0.01	< 10	< 10	25	< 10	258
L7250N 1700E	201	202	6	< 0.01	27	990	34	< 2	6	32	< 0.01	< 10	< 10	24	< 10	208
L7250N 1725E	201	202	4	< 0.01	30	1050	36	4	6	33	< 0.01	< 10	< 10	26	< 10	246
L7250N 1750E	201	202	11	< 0.01	40	1080	56	2	8	51	< 0.01	< 10	< 10	29	< 10	398
L7250N 1775E	201	202	8	< 0.01	28	1200	42	6	7	18	< 0.01	< 10	< 10	35	< 10	230
L7350N 1150E	201	202	1	< 0.01	4	1680	28	< 2	< 1	19	< 0.01	< 10	< 10	20	< 10	154
L7350N 1175E	201	202	3	0.01	2	1470	36	2	< 1	15	< 0.01	< 10	< 10	24	< 10	124
L7350N 1200E	201	202	2	< 0.01	3	1580	30	< 2	2	16	< 0.01	< 10	< 10	23	< 10	134
L7350N 1225E	201	202	3	< 0.01	3	1160	20	< 2	< 1	14	0.01	< 10	< 10	32	< 10	94

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:AWMACK

Certificate Date: 12-SEP-97
Invoice No. : I9740967
P.O. Number : BUL97-01
Account : EIA

CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7350N 1250E	201	202	< 5	< 0.2	0.93	36	140	0.5	< 2	< 0.01	< 0.5	5	2	20	3.78	< 10	20	0.13	10	0.05	1740
L7350N 1275E	201	202	< 5	< 0.2	1.21	14	110	< 0.5	< 2	< 0.01	< 0.5	11	4	18	3.48	< 10	50	0.12	10	0.04	1420
L7350N 1300E	201	202	< 5	< 0.2	0.76	20	140	0.5	< 2	0.03	< 0.5	4	2	25	2.41	< 10	60	0.11	10	0.03	1415
L7350N 1325E	201	202	< 5	< 0.2	0.58	50	100	< 0.5	< 2	0.04	< 0.5	3	3	20	2.61	< 10	30	0.12	20	0.03	755
L7350N 1350E	201	202	< 5	0.2	0.67	28	180	0.5	< 2	0.05	< 0.5	4	2	20	2.74	< 10	40	0.13	10	0.03	1065
L7350N 1375E	201	202	15	0.2	0.79	108	350	0.5	< 2	0.02	0.5	15	1	68	4.49	< 10	130	0.12	20	0.03	3840
L7350N 1400E	201	202	< 5	0.2	0.74	34	350	0.5	< 2	0.17	1.5	9	6	24	3.60	< 10	20	0.17	10	0.08	3560
L7350N 1425E	201	202	< 5	< 0.2	0.66	30	120	< 0.5	< 2	0.01	0.5	3	8	21	3.18	< 10	40	0.12	10	0.05	620
L7350N 1450E	201	202	< 5	0.2	0.42	54	140	< 0.5	< 2	0.03	0.5	4	4	30	3.24	< 10	20	0.17	30	0.04	1585
L7350N 1475E	201	202	< 5	0.8	2.15	44	290	0.5	< 2	0.10	1.0	12	12	57	4.30	< 10	180	0.17	10	0.28	2420
L7350N 1500E	201	202	20	0.6	1.49	56	100	0.5	< 2	0.01	0.5	7	6	41	2.85	< 10	110	0.12	10	0.07	2250
L7350N 1525E	201	202	< 5	0.6	2.12	22	210	0.5	< 2	0.25	1.0	21	38	48	5.28	< 10	80	0.13	10	0.56	3480
L7350N 1550E	201	202	< 5	0.6	2.33	22	160	0.5	< 2	0.31	1.5	20	63	29	4.83	< 10	30	0.12	< 10	1.04	1630
L7350N 1575E	201	202	< 5	0.6	1.85	30	150	< 0.5	< 2	0.12	1.5	6	21	27	3.96	< 10	40	0.13	< 10	0.23	365
L7350N 1600E	201	202	< 5	0.2	1.92	24	120	< 0.5	< 2	0.15	0.5	8	25	30	3.71	< 10	60	0.18	< 10	0.38	780
L7350N 1625E	201	202	< 5	0.2	1.36	22	170	< 0.5	< 2	0.17	0.5	8	25	34	3.85	< 10	40	0.14	< 10	0.26	785
L7350N 1650E	201	202	< 5	0.4	1.48	38	100	< 0.5	< 2	0.05	0.5	11	28	42	5.05	< 10	50	0.17	10	0.32	1410
L7350N 1675E	201	202	< 5	0.2	0.64	56	70	< 0.5	< 2	0.01	< 0.5	9	15	61	4.60	< 10	30	0.15	10	0.05	1925
L7350N 1700E	201	202	< 5	1.0	1.72	50	70	< 0.5	< 2	0.04	0.5	17	29	51	6.08	< 10	60	0.14	10	0.35	2120
L7350N 1725E	201	202	< 5	0.6	1.60	24	110	< 0.5	< 2	0.06	0.5	13	31	27	4.48	< 10	30	0.13	< 10	0.45	1395
L7350N 1750E	201	202	< 5	0.6	1.48	42	60	< 0.5	< 2	0.04	< 0.5	8	28	38	5.82	< 10	50	0.11	10	0.23	855
L7350N 1775E	201	202	< 5	1.0	0.60	6	80	< 0.5	< 2	0.10	< 0.5	5	7	35	2.57	< 10	40	0.09	< 10	0.18	300
L7350N 1800E	201	202	< 5	0.2	1.28	22	120	0.5	< 2	0.10	0.5	10	25	17	3.46	< 10	30	0.17	< 10	0.29	1365
L7350N 1825E	201	202	< 5	0.2	1.97	32	340	0.5	< 2	0.36	1.5	22	35	58	5.34	< 10	80	0.17	10	0.90	1400
L7350N 1850E	201	202	10	0.2	0.80	64	190	0.5	< 2	0.12	0.5	15	12	47	4.42	< 10	70	0.15	10	0.19	2600
L7350N 1875E	201	202	10	0.4	0.63	60	230	< 0.5	< 2	0.11	0.5	9	10	45	3.96	< 10	80	0.14	10	0.14	1560
L7350N 1900E	201	202	< 5	0.4	0.74	72	350	0.5	< 2	0.14	1.5	14	10	46	3.73	< 10	60	0.16	10	0.16	3420
L7400N 1650E	201	202	< 5	0.2	1.88	50	200	0.5	< 2	0.23	0.5	21	31	38	4.81	< 10	10	0.20	10	0.51	1895
L7400N 1675E	201	202	< 5	0.6	1.28	14	70	< 0.5	< 2	0.06	< 0.5	7	40	24	4.44	< 10	50	0.09	< 10	0.35	500
L7400N 1700E	201	202	< 5	0.2	1.82	16	160	0.5	< 2	0.21	< 0.5	13	25	29	5.09	< 10	40	0.11	10	0.40	1760
L7400N 1725E	201	202	< 5	0.6	1.53	12	80	< 0.5	< 2	0.10	< 0.5	13	33	21	4.35	< 10	60	0.13	< 10	0.66	1765
L7400N 1750E	201	202	< 5	1.2	1.75	24	80	< 0.5	< 2	0.05	0.5	12	35	44	6.40	< 10	90	0.09	< 10	0.38	770
L7400N 1775E	201	202	< 5	1.2	1.30	36	300	< 0.5	< 2	0.32	1.0	14	40	48	5.04	< 10	120	0.11	10	0.43	1895
L7400N 1800E	201	202	15	0.2	0.72	72	430	0.5	2	0.20	1.5	14	12	54	4.14	< 10	110	0.11	10	0.23	2400
L7400N 1825E	201	202	20	0.2	0.75	74	420	0.5	< 2	0.23	2.0	13	10	47	4.05	< 10	100	0.12	10	0.24	2130
L7400N 1850E	201	202	< 5	0.6	0.88	50	330	0.5	< 2	0.22	2.5	16	16	42	4.22	< 10	60	0.14	10	0.29	2310
L7400N 1875E	201	202	< 5	0.2	0.55	44	110	< 0.5	< 2	0.09	< 0.5	6	10	41	3.85	< 10	50	0.15	10	0.08	985
L7400N 1900E	201	202	5	0.8	1.01	62	320	0.5	< 2	0.06	1.5	16	14	47	4.50	< 10	60	0.15	10	0.21	2820
L7500N 1175E	201	202	30	0.4	0.47	98	700	0.5	< 2	0.12	3.5	19	1	79	4.48	< 10	200	0.16	30	0.04	5700
L7500N 1200E	201	202	40	0.4	0.61	148	710	1.0	2	0.04	6.0	32	1	101	5.65	< 10	230	0.15	20	0.04	8720

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:AWMACK

Certificate Date: 12-SEP-97
Invoice No. :I9740967
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7350N 1250E	201	202	1	< 0.01	2	1210	18	2	1	15	< 0.01	< 10	< 10	20	< 10	166
L7350N 1275E	201	202	3	< 0.01	1	1380	16	< 2	1	12	< 0.01	< 10	< 10	21	< 10	44
L7350N 1300E	201	202	< 1	< 0.01	1	870	20	2	1	11	< 0.01	< 10	< 10	16	< 10	60
L7350N 1325E	201	202	3	< 0.01	1	1460	20	< 2	< 1	12	< 0.01	< 10	< 10	13	< 10	136
L7350N 1350E	201	202	3	< 0.01	1	1140	26	< 2	1	12	< 0.01	< 10	< 10	17	< 10	74
L7350N 1375E	201	202	3	< 0.01	3	1900	46	2	4	16	< 0.01	< 10	< 10	11	< 10	228
L7350N 1400E	201	202	3	< 0.01	4	1940	36	2	< 1	24	0.01	< 10	< 10	31	< 10	182
L7350N 1425E	201	202	6	< 0.01	4	660	14	2	1	10	0.11	< 10	< 10	53	< 10	140
L7350N 1450E	201	202	5	< 0.01	3	870	16	4	< 1	13	0.04	< 10	< 10	26	< 10	184
L7350N 1475E	201	202	9	< 0.01	17	1380	58	< 2	5	17	< 0.01	< 10	< 10	46	< 10	326
L7350N 1500E	201	202	4	0.01	3	1390	76	< 2	< 1	12	< 0.01	< 10	< 10	18	< 10	148
L7350N 1525E	201	202	11	< 0.01	30	2270	26	2	7	18	< 0.01	< 10	< 10	72	< 10	228
L7350N 1550E	201	202	6	0.01	31	1570	16	< 2	5	17	< 0.01	< 10	< 10	80	< 10	178
L7350N 1575E	201	202	14	< 0.01	18	1310	18	2	1	13	< 0.01	< 10	< 10	60	< 10	216
L7350N 1600E	201	202	12	< 0.01	19	1460	18	2	3	15	< 0.01	< 10	< 10	57	< 10	206
L7350N 1625E	201	202	12	< 0.01	22	2020	14	< 2	1	14	0.01	< 10	< 10	65	< 10	192
L7350N 1650E	201	202	7	< 0.01	15	2470	28	< 2	3	9	< 0.01	< 10	< 10	57	< 10	140
L7350N 1675E	201	202	9	< 0.01	10	2700	52	< 2	< 1	9	< 0.01	< 10	< 10	53	< 10	266
L7350N 1700E	201	202	13	< 0.01	21	4010	26	< 2	4	7	< 0.01	< 10	< 10	58	< 10	212
L7350N 1725E	201	202	4	0.01	13	2110	12	< 2	3	6	< 0.01	< 10	< 10	63	< 10	106
L7350N 1750E	201	202	10	< 0.01	15	1520	24	2	3	7	< 0.01	< 10	< 10	88	< 10	194
L7350N 1775E	201	202	3	0.01	7	1320	6	< 2	2	8	< 0.01	< 10	< 10	58	< 10	144
L7350N 1800E	201	202	5	0.01	15	1680	20	2	< 1	10	< 0.01	< 10	< 10	52	< 10	168
L7350N 1825E	201	202	6	0.01	36	950	24	< 2	8	22	< 0.01	< 10	< 10	51	< 10	202
L7350N 1850E	201	202	6	< 0.01	13	1390	54	4	5	15	< 0.01	< 10	< 10	25	< 10	252
L7350N 1875E	201	202	6	< 0.01	11	960	60	< 2	4	16	< 0.01	< 10	< 10	20	< 10	238
L7350N 1900E	201	202	5	< 0.01	13	1410	68	< 2	4	18	< 0.01	< 10	< 10	19	< 10	258
L7400N 1650E	201	202	7	0.01	18	1490	20	< 2	6	19	< 0.01	< 10	< 10	49	< 10	144
L7400N 1675E	201	202	4	0.01	14	2190	10	< 2	< 1	5	< 0.01	< 10	< 10	78	< 10	70
L7400N 1700E	201	202	6	< 0.01	13	2840	12	< 2	3	14	< 0.01	< 10	< 10	51	< 10	128
L7400N 1725E	201	202	3	0.01	13	2190	12	< 2	< 1	7	0.01	< 10	< 10	62	< 10	80
L7400N 1750E	201	202	4	< 0.01	17	2090	16	2	4	4	< 0.01	< 10	< 10	59	< 10	116
L7400N 1775E	201	202	6	< 0.01	21	2570	24	< 2	6	19	< 0.01	< 10	< 10	60	< 10	194
L7400N 1800E	201	202	9	< 0.01	20	1160	58	4	5	19	< 0.01	< 10	< 10	21	< 10	300
L7400N 1825E	201	202	8	< 0.01	17	1110	64	2	5	19	< 0.01	< 10	< 10	22	< 10	318
L7400N 1850E	201	202	5	< 0.01	19	1260	46	2	5	18	< 0.01	< 10	< 10	29	< 10	244
L7400N 1875E	201	202	7	< 0.01	10	1470	56	6	4	13	< 0.01	< 10	< 10	34	< 10	214
L7400N 1900E	201	202	5	< 0.01	14	1090	54	2	5	14	< 0.01	< 10	< 10	29	< 10	290
L7500N 1175E	201	202	2	< 0.01	4	1070	64	4	3	37	< 0.01	< 10	< 10	10	< 10	328
L7500N 1200E	201	202	5	< 0.01	4	1210	102	6	4	35	< 0.01	< 10	< 10	12	< 10	430

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7500N 1225E	201	202	30	0.6	0.76	100	900	1.5	< 2	0.08	3.0	23	< 1	94	5.03	< 10	210	0.25	30	0.05	6940
L7500N 1250E	201	202	5	0.8	0.35	58	1080	1.5	< 2	0.47	4.0	14	< 1	44	3.47	< 10	120	0.18	10	0.06	4770
L7500N 1275E	201	202	< 5	2.8	0.39	78	840	1.0	< 2	0.27	2.0	10	< 1	54	4.27	< 10	240	0.16	10	0.05	3130
L7500N 1300E	201	202	< 5	1.6	1.52	40	340	0.5	< 2	0.22	2.0	13	38	55	4.28	< 10	160	0.14	10	0.57	1655
L7500N 1325E	201	202	< 5	1.6	1.77	40	310	0.5	< 2	0.32	2.5	17	52	57	4.65	< 10	140	0.19	10	0.76	1835
L7500N 1350E	201	202	< 5	0.6	1.93	40	570	0.5	< 2	0.41	1.0	28	21	53	5.90	< 10	40	0.21	10	0.42	2170
L7500N 1375E	201	202	20	0.8	2.00	66	110	0.5	< 2	0.03	< 0.5	17	7	78	6.19	< 10	50	0.22	20	0.29	1240
L7500N 1400E	201	202	10	1.2	2.41	44	120	< 0.5	< 2	0.07	< 0.5	21	20	67	7.37	< 10	110	0.21	10	0.29	1945
L7500N 1425E	201	202	5	0.8	1.38	32	120	< 0.5	< 2	0.06	< 0.5	9	27	54	5.99	< 10	90	0.21	10	0.28	495
L7500N 1450E	201	202	< 5	1.0	2.30	36	180	0.5	< 2	0.05	< 0.5	19	25	63	6.53	< 10	70	0.20	10	0.40	1715
L7500N 1475E	201	202	10	0.6	2.53	36	150	0.5	< 2	0.13	< 0.5	25	26	74	5.80	< 10	50	0.17	10	0.56	1655
L7500N 1500E	201	202	< 5	0.2	1.94	30	340	0.5	< 2	0.46	1.0	26	32	79	5.80	< 10	70	0.18	10	0.91	1470
L7500N 1525E	201	202	< 5	0.4	1.97	34	350	0.5	< 2	0.58	1.0	30	27	85	5.93	< 10	60	0.24	10	0.77	1815
L7500N 1550E	201	202	< 5	0.2	1.91	30	360	0.5	< 2	0.65	1.5	27	27	81	5.84	< 10	60	0.21	10	0.80	1580
L7500N 1575E	201	202	< 5	0.4	1.96	26	210	0.5	< 2	0.55	0.5	25	30	55	5.44	< 10	60	0.25	10	0.70	1650
L7500N 1600E	201	202	< 5	0.4	2.00	26	150	0.5	< 2	0.16	< 0.5	24	31	49	5.32	< 10	50	0.23	10	0.63	1635
L7500N 1625E	201	202	< 5	0.2	2.13	24	170	0.5	< 2	0.30	0.5	24	38	47	5.51	< 10	50	0.16	10	0.81	1725
L7500N 1650E	201	202	< 5	0.2	1.91	26	340	0.5	< 2	0.53	0.5	22	28	63	5.23	< 10	70	0.16	10	0.79	1645
L7500N 1675E	201	202	10	0.2	2.10	26	310	0.5	< 2	0.45	1.0	22	37	64	5.40	< 10	90	0.14	10	0.89	1585
L7500N 1700E	201	202	< 5	< 0.2	2.06	26	150	0.5	< 2	0.15	0.5	24	33	53	5.82	< 10	30	0.18	10	0.70	2230
L7500N 1725E	201	202	150	0.2	2.25	22	130	0.5	< 2	0.15	< 0.5	21	34	56	5.31	< 10	50	0.15	10	0.66	1605
L7500N 1750E	201	202	< 5	0.4	1.92	28	240	0.5	< 2	0.58	1.0	24	30	66	5.64	< 10	60	0.18	10	0.86	1540
L7500N 1775E	201	202	< 5	0.2	1.96	30	260	0.5	< 2	0.28	1.0	24	28	67	5.68	< 10	80	0.20	10	0.79	1630
L7500N 1800E	201	202	< 5	0.2	2.12	26	270	0.5	< 2	0.30	0.5	22	31	63	5.43	< 10	70	0.21	10	0.88	1185
L7500N 1825E	201	202	5	0.4	1.96	28	380	0.5	< 2	0.56	1.0	22	35	61	5.24	< 10	100	0.20	10	0.82	1615
L7500N 1850E	201	202	< 5	< 0.2	2.05	26	320	0.5	< 2	0.61	1.0	22	31	59	5.44	< 10	60	0.21	10	0.87	1365
L7500N 1875E	201	202	< 5	0.2	2.06	26	260	0.5	< 2	0.32	0.5	24	32	66	5.76	< 10	70	0.18	10	0.86	1590
L7500N 1900E	201	202	< 5	< 0.2	2.17	24	260	0.5	< 2	0.47	0.5	22	31	53	5.30	< 10	40	0.27	10	0.87	1595
L7600N 1300E	201	202	20	0.6	1.34	44	450	1.0	< 2	0.44	3.0	27	14	85	6.32	< 10	80	0.19	20	0.45	1925
L7600N 1325E	201	202	10	1.0	1.20	30	70	1.0	< 2	0.39	< 0.5	31	2	62	5.65	< 10	30	0.23	10	0.35	400
L7600N 1350E	201	202	< 5	2.0	1.52	28	90	< 0.5	< 2	0.08	< 0.5	18	13	58	6.20	< 10	70	0.18	10	0.33	1255
L7600N 1375E	201	202	< 5	0.8	1.57	42	60	< 0.5	< 2	0.03	< 0.5	16	13	87	7.23	< 10	60	0.13	10	0.30	910
L7600N 1400E	201	202	< 5	1.2	0.56	168	180	1.0	< 2	0.34	< 0.5	34	1	121	8.69	< 10	40	0.14	10	0.13	1815
L7600N 1425E	201	202	< 5	0.2	1.40	32	200	1.0	< 2	0.11	< 0.5	31	7	84	6.13	< 10	10	0.13	20	0.34	1530
L7600N 1450E	201	202	< 5	0.2	2.96	22	260	1.5	< 2	0.12	< 0.5	46	9	95	6.03	< 10	50	0.17	30	0.77	4050
L7600N 1475E	201	202	< 5	1.0	2.09	24	160	0.5	< 2	0.07	< 0.5	39	8	98	7.05	< 10	80	0.21	20	0.36	2930
L7600N 1500E	201	202	< 5	0.6	2.00	16	210	1.0	< 2	0.05	< 0.5	35	6	96	7.41	< 10	40	0.22	30	0.35	2490
L7600N 1525E	201	202	< 5	0.6	1.43	18	100	< 0.5	< 2	0.04	< 0.5	19	9	76	7.33	< 10	60	0.16	10	0.20	1615
L7600N 1550E	201	202	< 5	1.0	1.50	14	130	< 0.5	< 2	0.15	< 0.5	17	11	62	6.15	< 10	40	0.22	10	0.23	2320
L7600N 1575E	201	202	< 5	0.8	1.41	24	70	< 0.5	< 2	0.05	< 0.5	13	18	72	7.00	< 10	110	0.16	10	0.19	1140

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:AWMACK

Certificate Date: 12-SEP-97
Invoice No. :19740967
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7500N 1225E	201	202	4	< 0.01	3	1120	112	4	4	63	< 0.01	< 10	< 10	13	< 10	406
L7500N 1250E	201	202	3	< 0.01	2	1110	112	2	4	39	< 0.01	< 10	< 10	11	< 10	520
L7500N 1275E	201	202	7	< 0.01	16	990	74	6	8	30	< 0.01	< 10	< 10	15	< 10	886
L7500N 1300E	201	202	13	< 0.01	42	1360	50	2	8	22	< 0.01	< 10	< 10	47	< 10	482
L7500N 1325E	201	202	18	< 0.01	53	1340	52	2	8	25	< 0.01	< 10	< 10	60	< 10	600
L7500N 1350E	201	202	4	< 0.01	40	2210	26	< 2	9	26	< 0.01	< 10	< 10	47	< 10	210
L7500N 1375E	201	202	7	< 0.01	13	1610	46	2	5	11	< 0.01	< 10	< 10	30	< 10	170
L7500N 1400E	201	202	5	< 0.01	15	2100	44	4	6	10	< 0.01	< 10	< 10	56	< 10	142
L7500N 1425E	201	202	4	< 0.01	12	3080	22	< 2	3	11	< 0.01	< 10	< 10	64	< 10	126
L7500N 1450E	201	202	5	< 0.01	18	2460	28	2	6	9	< 0.01	< 10	< 10	57	< 10	152
L7500N 1475E	201	202	6	< 0.01	21	1840	26	< 2	7	14	< 0.01	< 10	< 10	51	< 10	166
L7500N 1500E	201	202	6	< 0.01	41	940	24	< 2	11	24	< 0.01	< 10	< 10	55	< 10	204
L7500N 1525E	201	202	7	< 0.01	38	1210	28	2	11	29	< 0.01	< 10	< 10	52	< 10	206
L7500N 1550E	201	202	7	< 0.01	37	1080	24	< 2	10	32	< 0.01	< 10	< 10	51	< 10	200
L7500N 1575E	201	202	7	< 0.01	30	1180	32	2	8	27	< 0.01	< 10	< 10	59	< 10	216
L7500N 1600E	201	202	7	0.01	27	1190	30	2	7	12	< 0.01	< 10	< 10	57	< 10	186
L7500N 1625E	201	202	6	< 0.01	34	1270	24	< 2	8	15	< 0.01	< 10	< 10	57	< 10	210
L7500N 1650E	201	202	5	< 0.01	34	980	30	2	9	27	< 0.01	< 10	< 10	48	< 10	214
L7500N 1675E	201	202	7	< 0.01	42	910	26	< 2	11	24	< 0.01	< 10	< 10	57	< 10	220
L7500N 1700E	201	202	7	< 0.01	29	2060	26	2	8	10	< 0.01	< 10	< 10	55	< 10	204
L7500N 1725E	201	202	7	< 0.01	31	1220	22	< 2	8	10	< 0.01	< 10	< 10	55	< 10	194
L7500N 1750E	201	202	6	< 0.01	41	950	30	< 2	10	51	< 0.01	< 10	< 10	52	< 10	230
L7500N 1775E	201	202	6	< 0.01	38	990	28	< 2	10	15	< 0.01	< 10	< 10	52	< 10	212
L7500N 1800E	201	202	7	< 0.01	39	910	24	< 2	9	15	< 0.01	< 10	< 10	55	< 10	210
L7500N 1825E	201	202	7	< 0.01	42	1140	38	< 2	10	26	< 0.01	< 10	< 10	53	< 10	238
L7500N 1850E	201	202	6	< 0.01	36	1040	24	< 2	10	28	< 0.01	< 10	< 10	53	< 10	208
L7500N 1875E	201	202	7	< 0.01	38	1090	30	< 2	10	17	< 0.01	< 10	< 10	51	< 10	210
L7500N 1900E	201	202	6	0.01	33	1040	26	4	9	22	< 0.01	< 10	< 10	56	< 10	194
L7600N 1300E	201	202	17	< 0.01	63	980	30	6	10	28	< 0.01	< 10	< 10	36	< 10	318
L7600N 1325E	201	202	7	< 0.01	21	910	24	< 2	4	30	< 0.01	< 10	< 10	19	< 10	156
L7600N 1350E	201	202	12	< 0.01	17	1640	28	2	5	8	< 0.01	< 10	< 10	48	< 10	160
L7600N 1375E	201	202	10	< 0.01	15	1840	36	< 2	5	5	< 0.01	< 10	< 10	49	< 10	168
L7600N 1400E	201	202	2	< 0.01	28	1070	52	6	9	26	< 0.01	< 10	< 10	15	< 10	174
L7600N 1425E	201	202	2	< 0.01	18	1020	32	< 2	7	11	< 0.01	< 10	< 10	23	< 10	146
L7600N 1450E	201	202	3	< 0.01	31	840	38	6	8	13	< 0.01	< 10	< 10	34	< 10	196
L7600N 1475E	201	202	2	< 0.01	19	1550	30	2	7	13	< 0.01	< 10	< 10	36	< 10	250
L7600N 1500E	201	202	2	< 0.01	20	1280	20	2	8	8	< 0.01	< 10	< 10	31	< 10	182
L7600N 1525E	201	202	2	< 0.01	13	2700	20	< 2	4	9	< 0.01	< 10	< 10	38	< 10	128
L7600N 1550E	201	202	3	< 0.01	12	3990	26	2	1	19	< 0.01	< 10	< 10	44	< 10	136
L7600N 1575E	201	202	2	< 0.01	12	2830	26	< 2	2	12	0.01	< 10	< 10	58	< 10	114

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : RDN
Comments: ATTN:DAVID CAULFIELD CC:AWMACK

Page Number :4-A
Total Pages :4
Certificate Date: 12-SEP-97
Invoice No. :19740967
P.O. Number :BUL97-01
Account :EIA

CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
L7600N 1600E	201	202	< 5	0.8	0.45	2	80	< 0.5	< 2	0.10	< 0.5	5	4	46	2.10	< 10	50	0.14	10	0.04	240
L7600N 1625E	201	202	< 5	< 0.2	0.48	8	70	< 0.5	< 2	0.10	< 0.5	6	11	49	2.50	< 10	10	0.14	10	0.04	185
L7600N 1650E	201	202	< 5	0.2	1.72	22	290	0.5	< 2	0.39	2.5	23	13	50	4.61	< 10	30	0.20	10	0.48	1770
L7600N 1675E	201	202	< 5	0.2	1.85	26	300	0.5	< 2	0.34	0.5	22	15	42	5.07	< 10	30	0.20	10	0.45	1840
L7600N 1700E	201	202	< 5	0.2	1.64	22	190	0.5	< 2	0.31	0.5	20	14	38	4.47	< 10	10	0.17	10	0.43	1485
L7600N 1725E	201	202	< 5	< 0.2	0.46	< 2	100	< 0.5	< 2	0.18	< 0.5	2	5	32	1.22	< 10	40	0.17	< 10	0.06	140
L7600N 1750E	201	202	< 5	< 0.2	1.25	18	80	< 0.5	< 2	0.08	< 0.5	7	11	37	4.85	< 10	30	0.20	10	0.25	385
L7600N 1775E	201	202	< 5	0.2	0.99	16	100	< 0.5	< 2	0.08	< 0.5	10	8	38	3.92	< 10	10	0.22	10	0.12	1030
L7600N 1800E	201	202	< 5	1.0	1.27	16	90	< 0.5	< 2	0.07	< 0.5	6	11	31	4.16	< 10	60	0.19	10	0.19	745
L7600N 1825E	201	202	< 5	0.2	1.16	18	120	< 0.5	< 2	0.12	< 0.5	11	11	42	4.27	< 10	50	0.20	10	0.22	830
L7600N 1850E	201	202	< 5	< 0.2	1.09	16	90	< 0.5	< 2	0.10	< 0.5	9	13	34	5.24	< 10	50	0.15	10	0.16	1095
L7600N 1875E	201	202	< 5	< 0.2	1.95	14	260	0.5	< 2	0.24	< 0.5	15	12	25	4.80	< 10	10	0.16	10	0.47	1275
L7600N 1900E	201	202	< 5	0.4	0.94	18	100	< 0.5	< 2	0.07	< 0.5	6	9	45	3.91	< 10	40	0.16	10	0.10	275
L7600N 1925E	201	202	< 5	0.2	1.73	18	110	< 0.5	< 2	0.10	< 0.5	6	13	43	6.18	< 10	50	0.20	10	0.19	290
L7600N 1950E	201	202	< 5	< 0.2	1.88	14	240	0.5	< 2	0.36	0.5	14	14	37	4.72	< 10	10	0.24	10	0.68	885
L7600N 1975E	201	202	< 5	< 0.2	1.78	22	380	0.5	< 2	0.50	0.5	21	13	59	5.41	< 10	60	0.25	20	0.58	1265
L7600N 2000E	201	202	< 5	0.2	1.38	8	270	< 0.5	< 2	0.54	0.5	16	13	28	3.75	< 10	40	0.23	10	0.40	2230

CERTIFICATION:_____

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Certificate Date: 12-SEP-97
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P.O. Number :BUL97-01
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CERTIFICATE OF ANALYSIS A9740967

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7600N 1600E	201	202	1	< 0.01	7	1020	6	< 2	1	11	0.01	< 10	< 10	23	< 10	66
L7600N 1625E	201	202	3	< 0.01	6	810	6	< 2	1	11	0.12	< 10	< 10	45	< 10	74
L7600N 1650E	201	202	4	< 0.01	15	1800	22	< 2	5	25	< 0.01	< 10	< 10	42	< 10	164
L7600N 1675E	201	202	4	< 0.01	15	2660	24	< 2	5	21	< 0.01	< 10	< 10	47	< 10	188
L7600N 1700E	201	202	4	0.01	13	2100	22	2	1	20	< 0.01	< 10	< 10	49	< 10	146
L7600N 1725E	201	202	2	< 0.01	5	1100	4	< 2	1	13	< 0.01	< 10	< 10	17	< 10	44
L7600N 1750E	201	202	3	< 0.01	10	3050	18	2	3	7	< 0.01	< 10	< 10	51	< 10	96
L7600N 1775E	201	202	4	< 0.01	9	2340	24	< 2	< 1	11	< 0.01	< 10	< 10	49	< 10	124
L7600N 1800E	201	202	3	< 0.01	6	3350	18	< 2	1	8	< 0.01	< 10	< 10	47	< 10	56
L7600N 1825E	201	202	4	0.01	11	2180	20	< 2	3	10	< 0.01	< 10	< 10	43	< 10	112
L7600N 1850E	201	202	3	< 0.01	11	4600	24	< 2	1	10	< 0.01	< 10	< 10	52	< 10	84
L7600N 1875E	201	202	3	< 0.01	11	1820	18	< 2	4	17	< 0.01	< 10	< 10	50	< 10	148
L7600N 1900E	201	202	3	< 0.01	9	2310	14	< 2	1	8	< 0.01	< 10	< 10	42	< 10	92
L7600N 1925E	201	202	4	< 0.01	9	3710	22	< 2	3	9	< 0.01	< 10	< 10	47	< 10	110
L7600N 1950E	201	202	3	< 0.01	18	960	18	< 2	6	20	< 0.01	< 10	< 10	37	< 10	144
L7600N 1975E	201	202	4	< 0.01	27	980	30	< 2	8	36	< 0.01	< 10	< 10	38	< 10	188
L7600N 2000E	201	202	3	0.01	11	1400	12	< 2	2	33	0.01	< 10	< 10	48	< 10	122

CERTIFICATION: Ivan Bonkin

APPENDIX F

WHOLE ROCK INTERPRETATION

LEGEND

RDN Property

+ Betty Creek Fm. maroon andesite (Unit 6)

□ Arkose/felsic tuff (Unit 7e)

○ Felsic subvolcanic porphyritic intrusions and/or flows (Unit 8)

▽ Other felsic rocks (Unit 7)

◇ Andesite/basalt (Unit 10)

× Diorite (Unit 11)

Eskay Creek Deposit

✳ 21 Zone rhyolite

◆ 21 Zone basalt

▲ Footwall andesite and dacite

WHOLE ROCK INTERPRETATION

During the 1994, 1996 and 1997 exploration programs on the RDN property, a total of 72 rock samples were analyzed for their major oxides and a suite of potentially conserved trace elements. Scatter plots and a few standard discrimination plots are presented on the following pages. For comparison, a suite of whole rock data from Eskay Creek (Table 1, Barrett and Sherlock, 1997) is included on these plots.

Major Oxide Plots

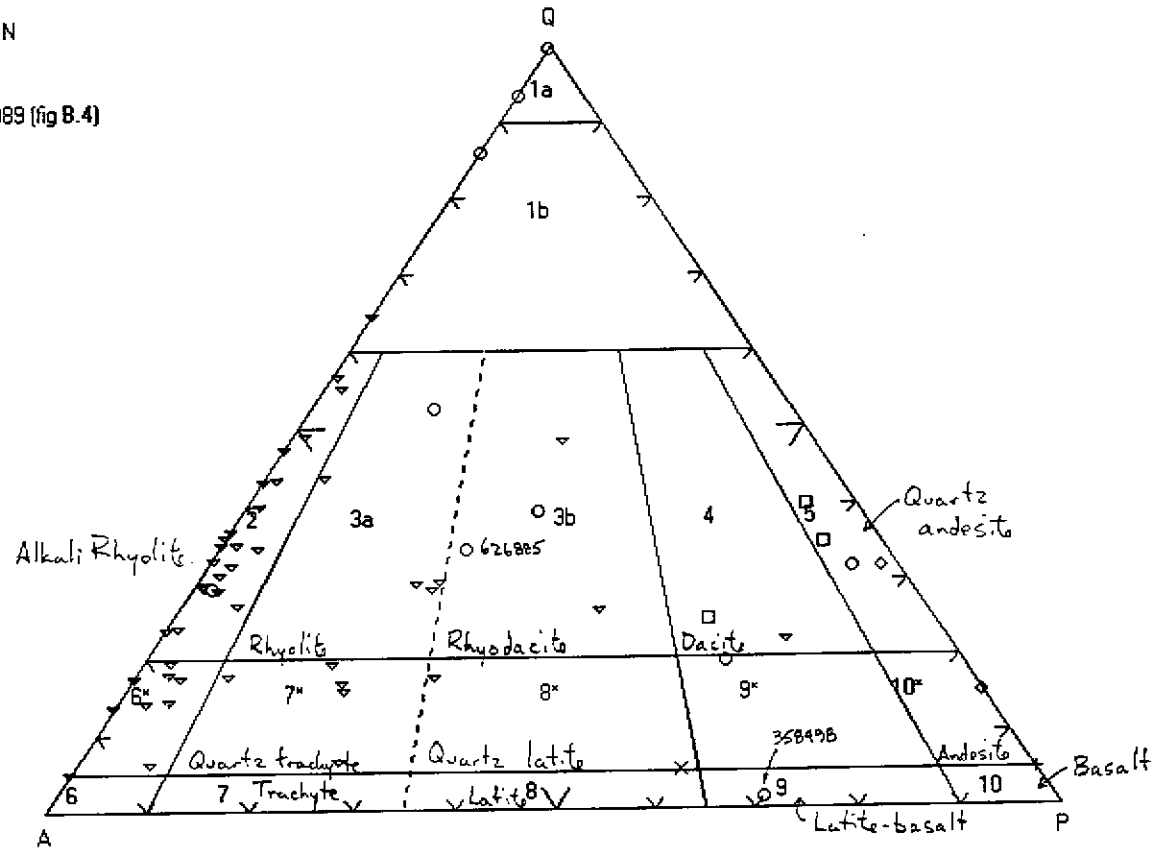
1. Quartz-alkali feldspar-plagioclase (QAP) mesonormative ternary diagrams are plotted on Page i. The majority of samples from both Eskay Creek and the RDN lie along the Q-A boundary, due to potassic alteration (at both the RDN and Eskay Creek) and silicification (especially at Eskay Creek).
2. Sample 626885, from Unit 8d in the South Gossan area, was shown by petrography (Awmack, 1995a) to be little altered except for ankerite and minor sericite. It plots on the QAP diagram as a rhyodacite, which may have been the initial composition for this unit.
3. Sample 358498 was taken from a group of near-source float boulders in the Gossan Creek drainage. It appears macroscopically similar to Unit 8a (the feldspar porphyry intrusive responsible for the Gossan Creek gossan), including rare potassium feldspar megacrysts, but without Unit 8a's pervasive clay-sericite-pyrite alteration. It plots on the QAP diagram as a latite-basalt, which is confirmed by petrography, where it is described as a leuco-andesite. In the field, it had been thought that this sample would represent the original composition of Unit 8a. However, if this sample came from a late dyke (emplaced following the ubiquitous alteration affecting the rest of Unit 8a), it's anomalously mafic composition could be explained by magma contamination by basalt related to Units 10 and 11.
4. The three samples of arkose/felsic tuff (Unit 7e) lie in the dacite and quartz andesite fields on the QAP diagram. This is likely due to sedimentary mixing of felsic and mafic volcanic detritus.

Trace Element Plots

1. Conserved elements are those which remain unaffected by fractionation (incompatible) and alteration (immobile). Zr, Y, Nb, It, Th and P are commonly incompatible; Zr, Ti, Al, Nb, Y, Th and Hf are commonly immobile. For cogenetic rocks, a pair of conserved elements will have a constant ratio and their sample points will lie on a straight line through the origin on an X-Y scatter plot. Rocks which are not derived from the same initial magma will have different ratios of conserved elements; their samples lie on different lines on a scatter plot.
2. Where these elements are conserved, the Zr/TiO_2 vs Nb/Y plot (Page ii) can be used to determine initial rock composition. The majority of RDN felsic rocks fall into the andesite or rhyodacite/dacite fields, along with some of Eskay Creek's footwall andesites and dacites. There is no RDN equivalent to the low-TiO_2 rhyolite at Eskay Creek. The RDN's basalt and diorite form a group with those from Eskay Creek's hanging wall, lying within the subalkaline basalt field.
3. The SiO_2 vs FeO/MgO and Na_2O+K_2O vs SiO_2 plots (Page iii) are meaningful only for unaltered rocks (essentially the hanging wall basalts and diorite from each property). Again, these form a single group within the tholeiitic field and straddling the boundary between alkaline and subalkaline.
4. Analyses from Eskay Creek's rhyolites cluster along lines through the origin on the remaining trace element scatter plots, showing that TiO_2, Zr, Nb, Al_2O_3 and Y (partially) are conserved in them; the length of these lines testifies to the intense alteration and mass changes which affected them. By contrast, the remaining felsic and intermediate rocks from Eskay Creek and the RDN fall into smaller clusters, reflecting much lower levels of mass change during alteration.

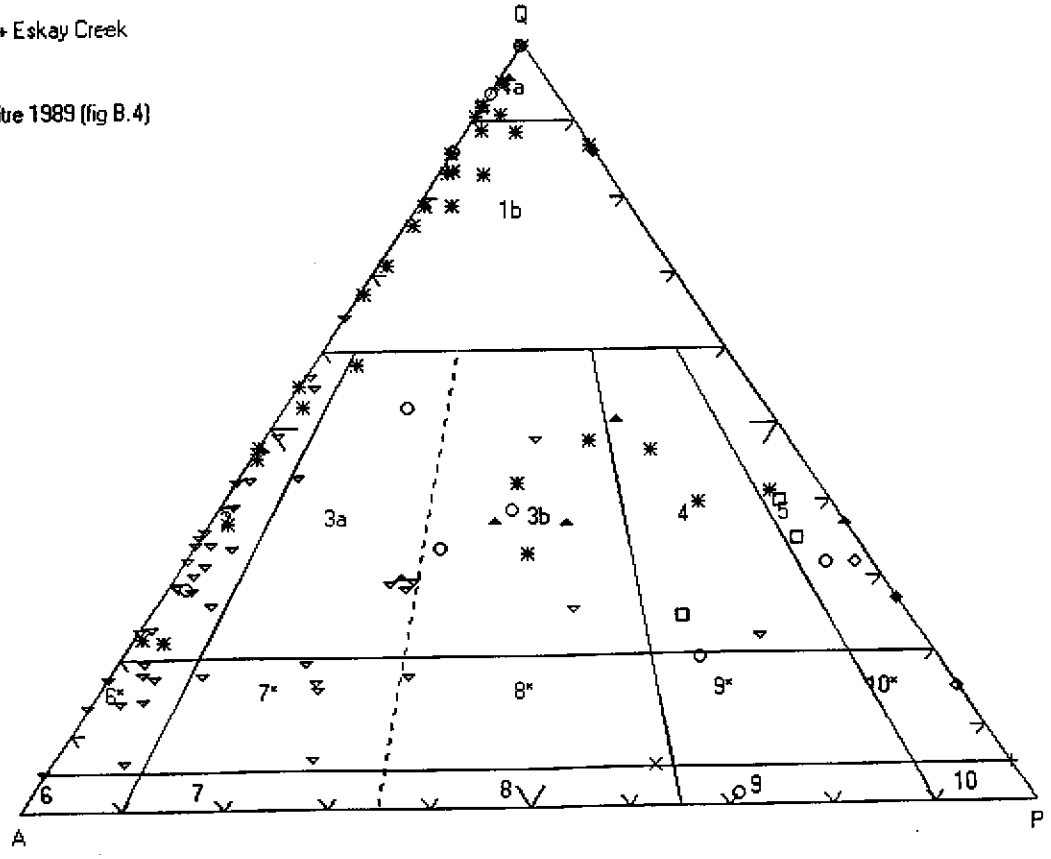
RDN

1989 (fig B.4)

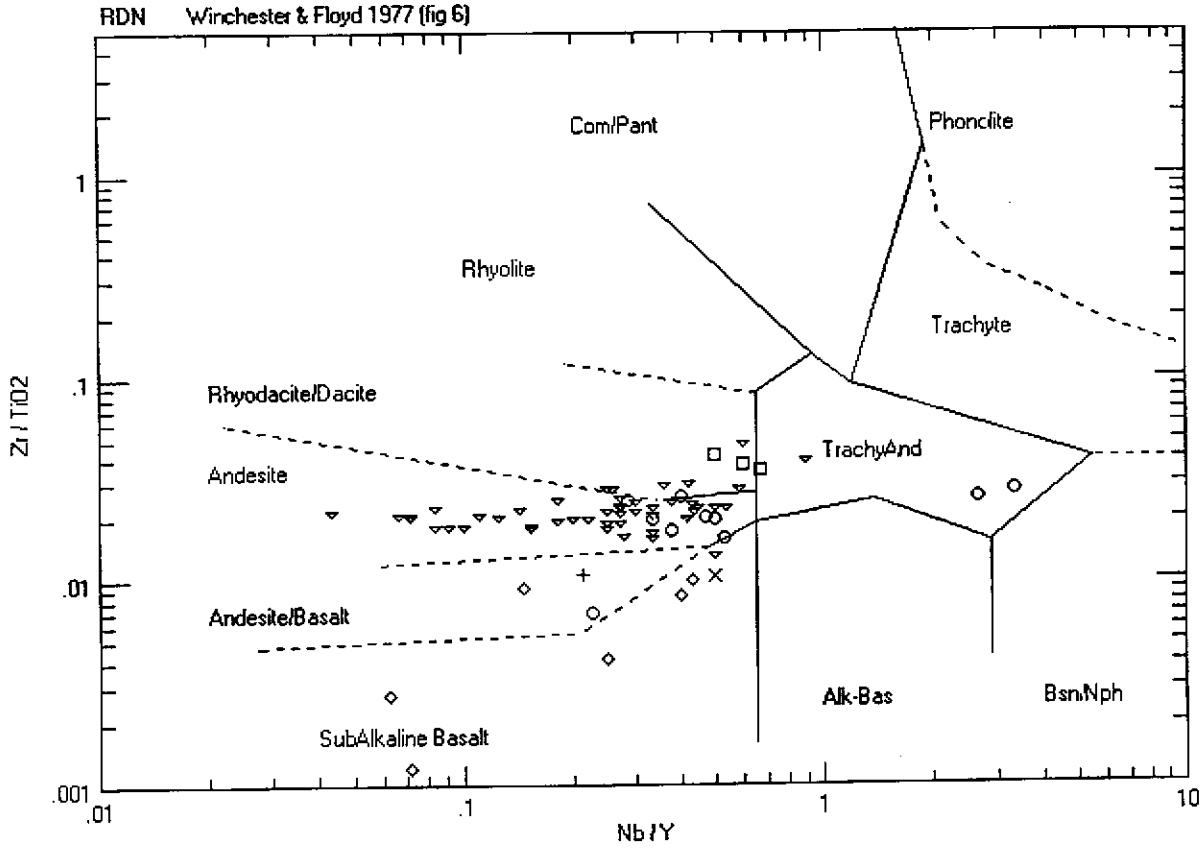


RDN + Eskay Creek

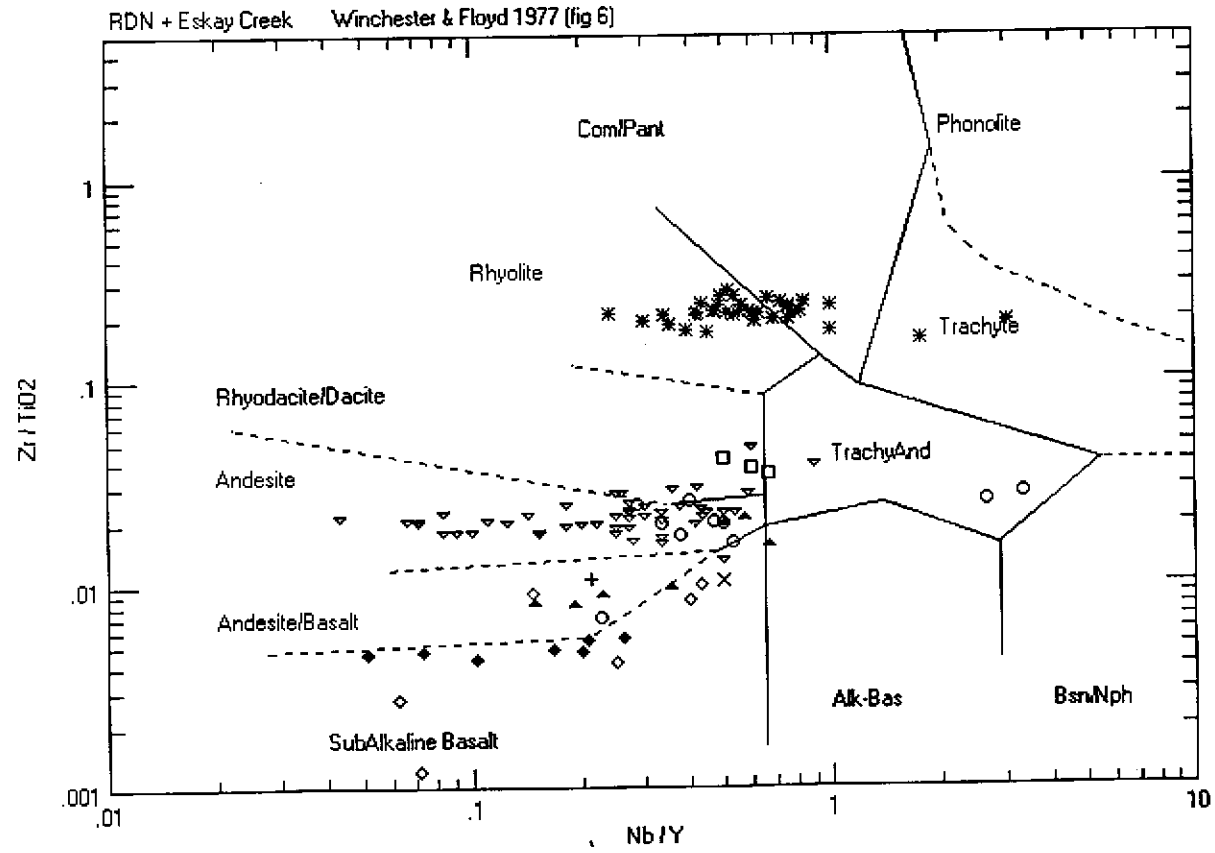
LeMaitre 1989 (fig B.4)

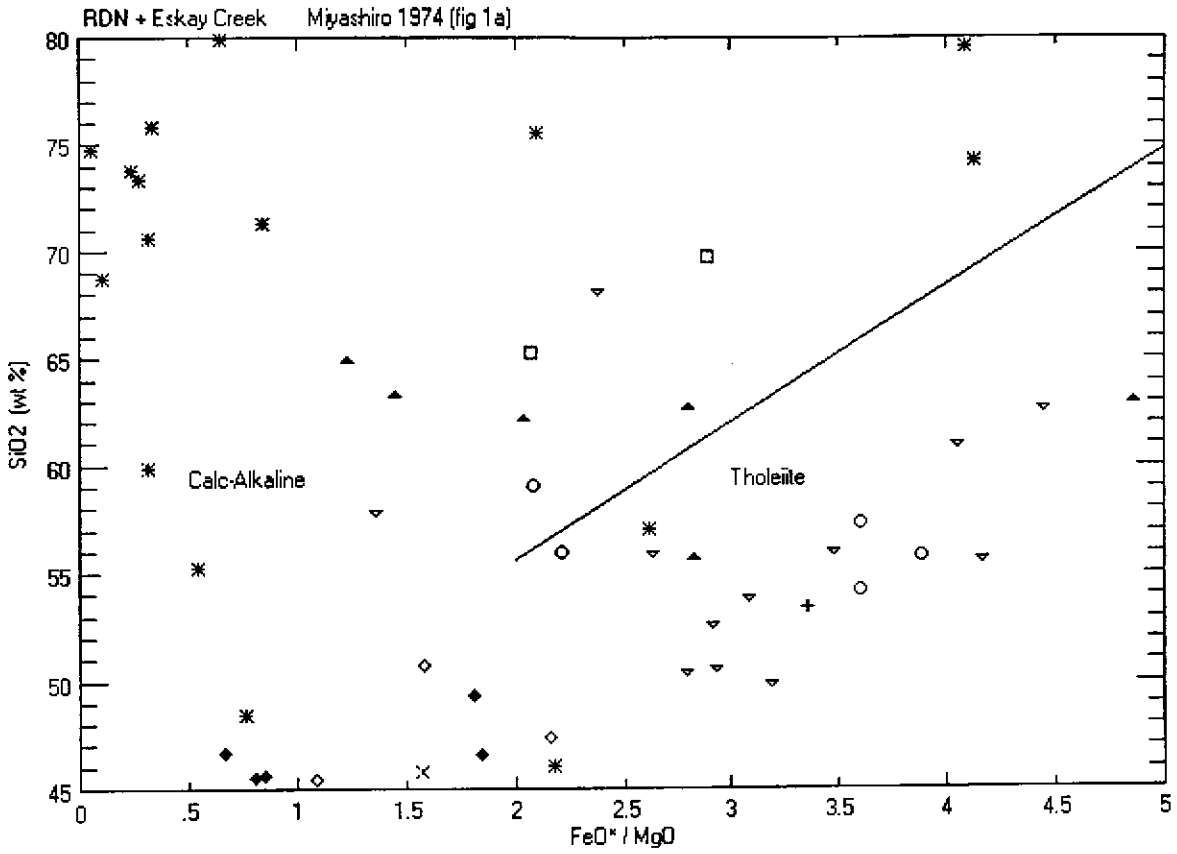


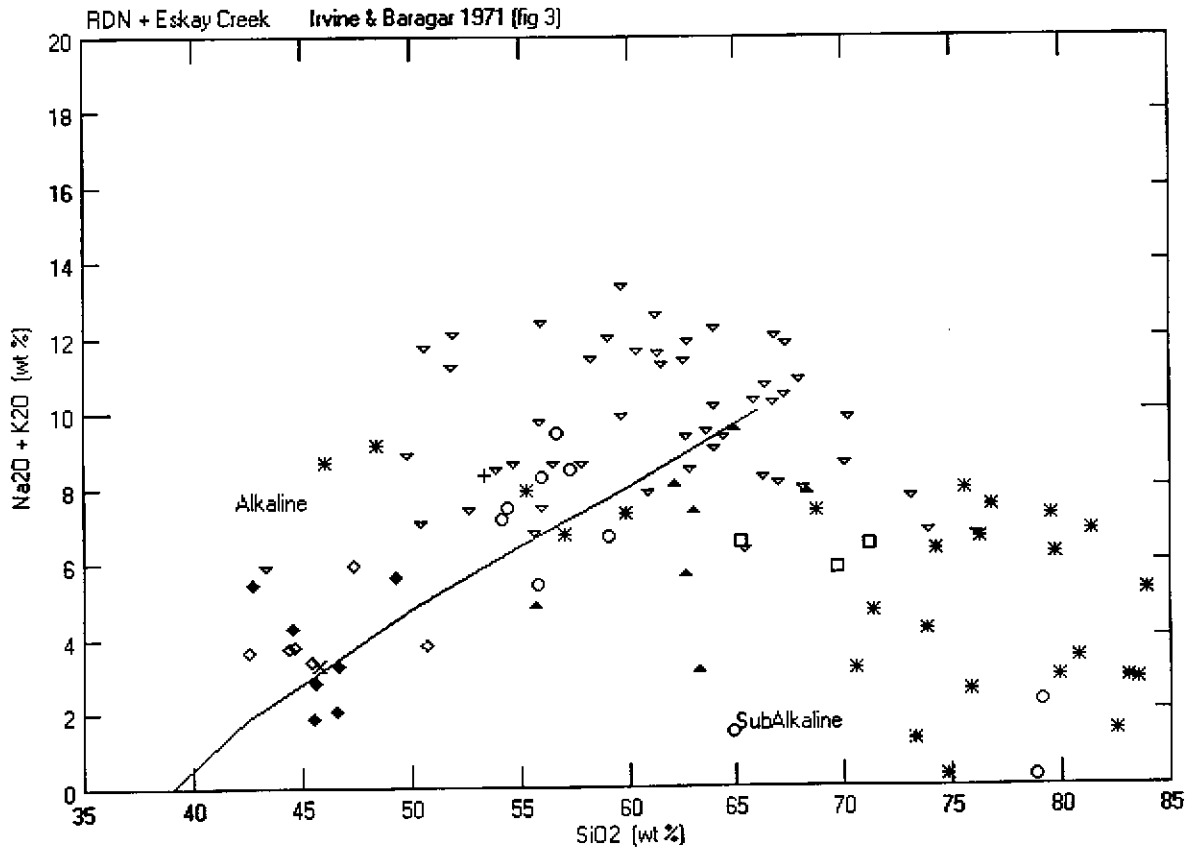
RDN Winchester & Floyd 1977 (fig 6)

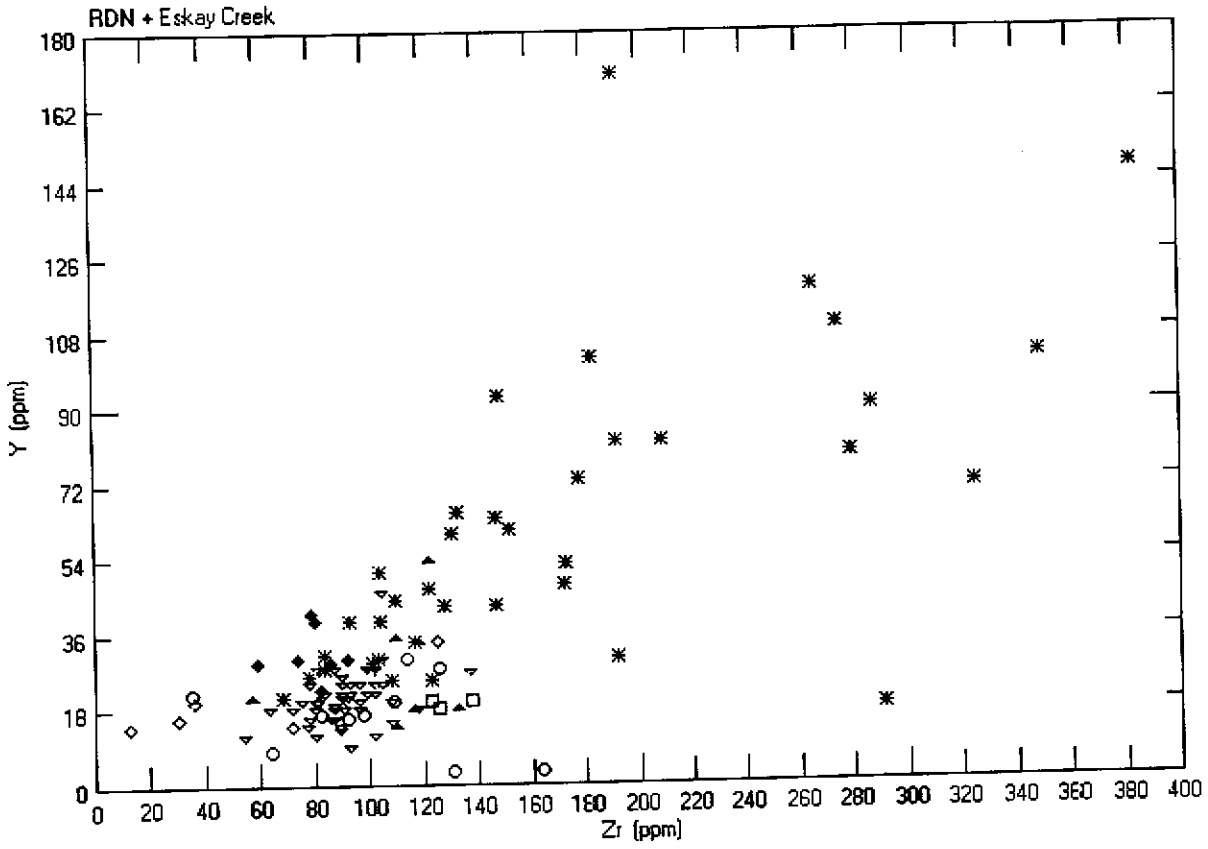


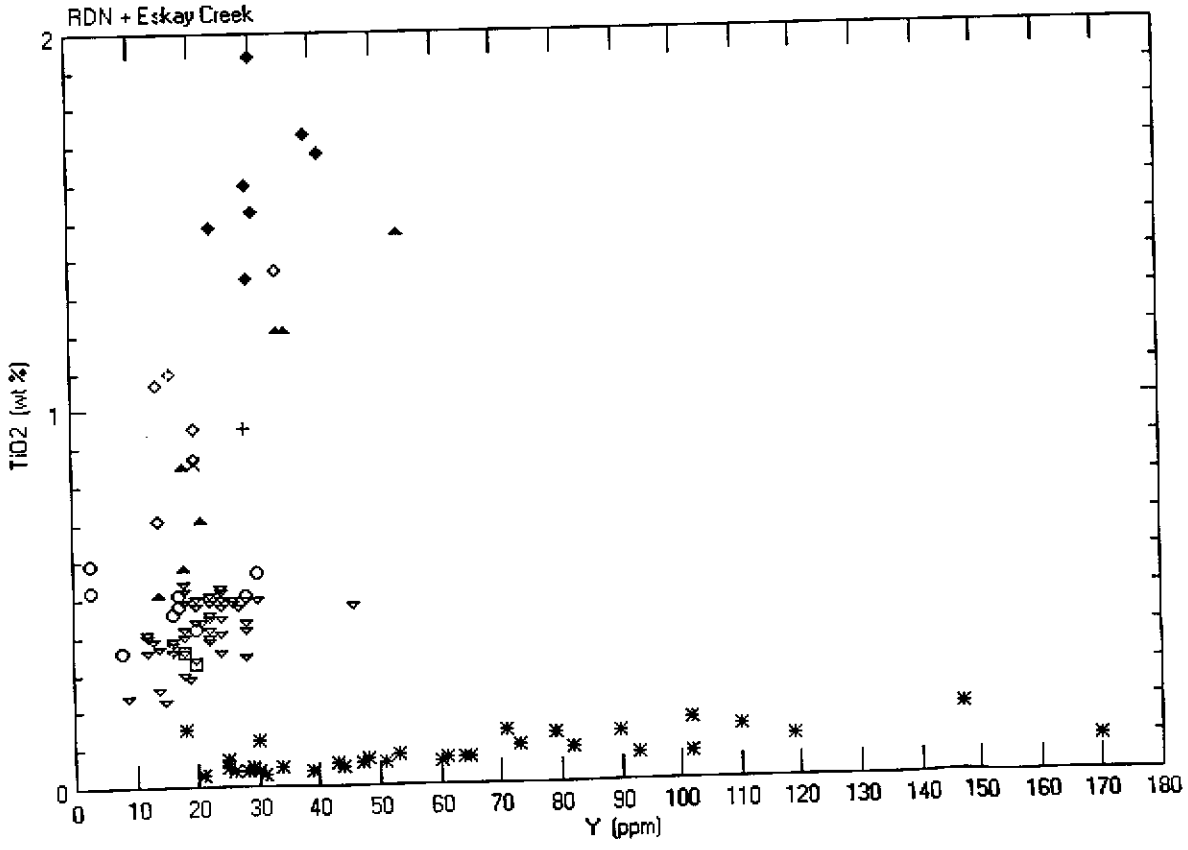
RDN + Eskay Creek Winchester & Floyd 1977 (fig 6)

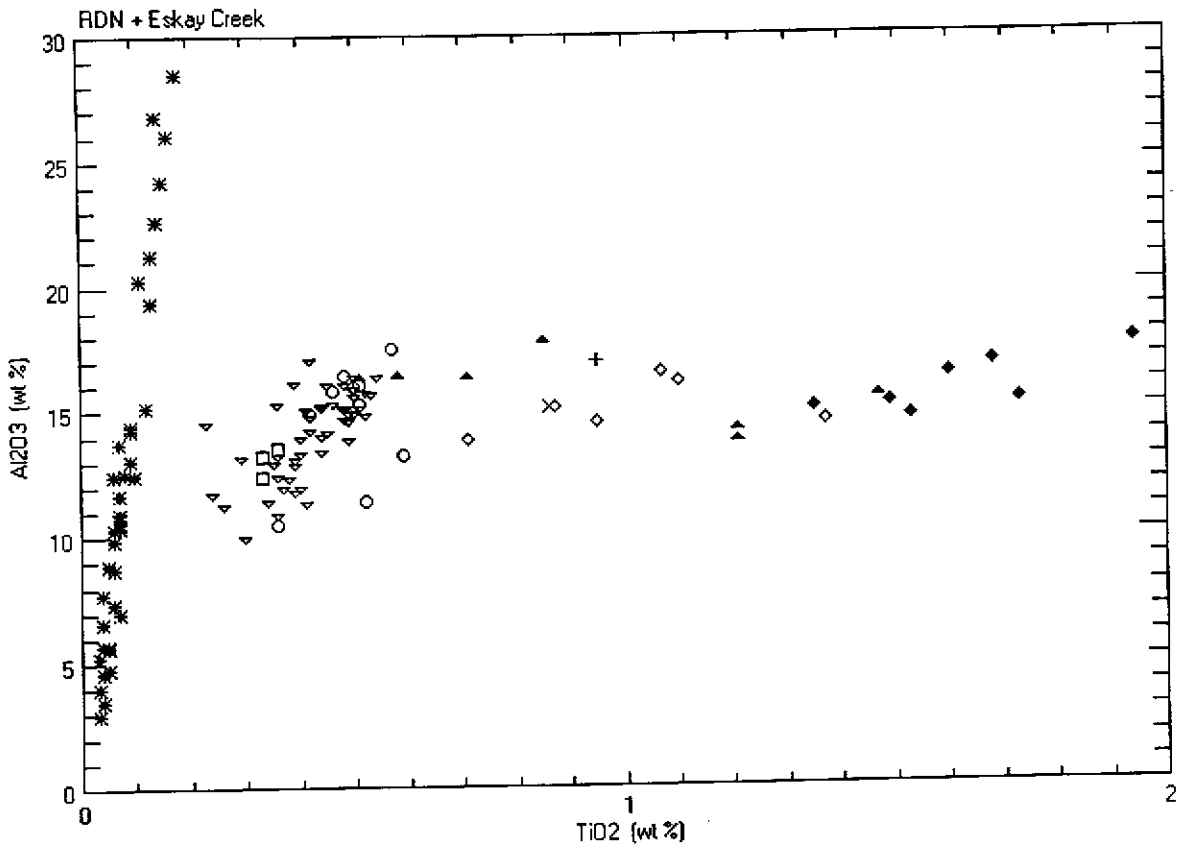


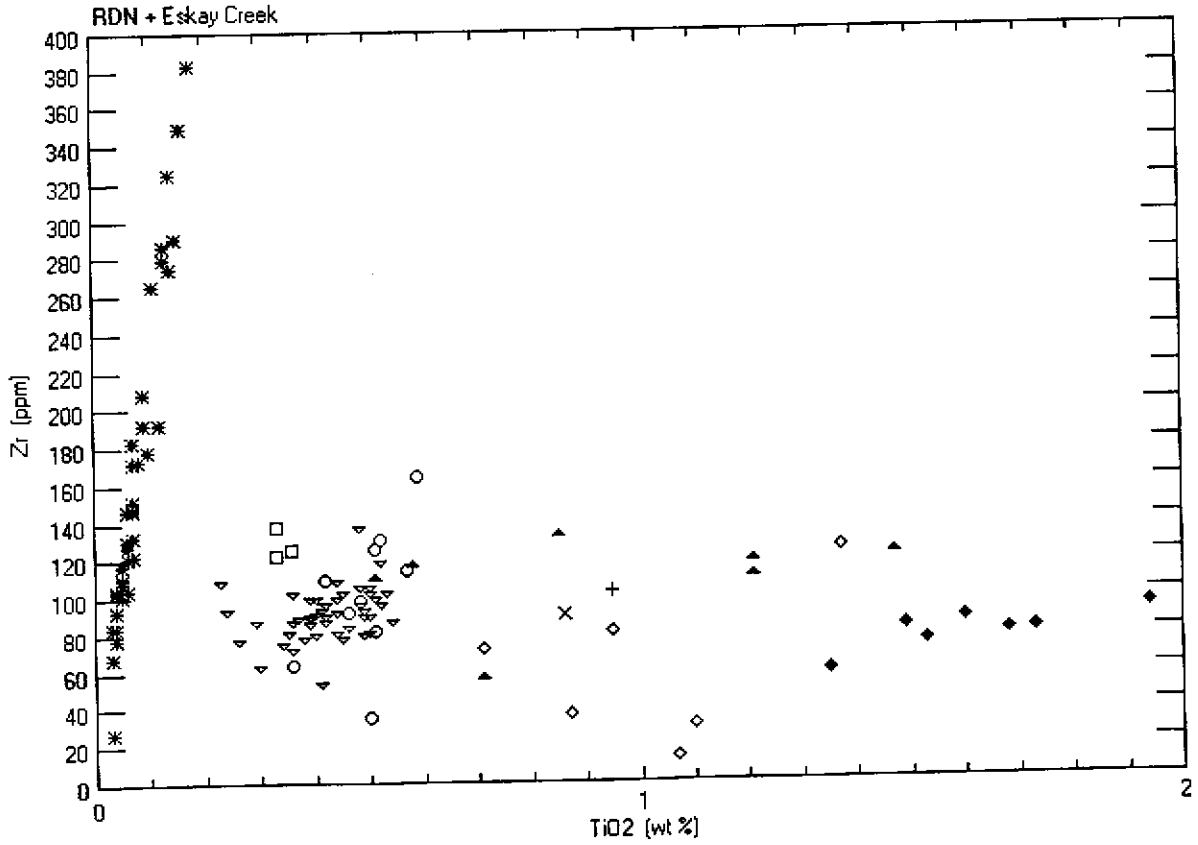

RDN + Eskay Creek Miyashiro 1974 (fig 1a)
SiO2 (wt %)
FeO* / MgO
Calc-Alkaline
Tholeiite
80
75
70
65
60
55
50
45
0
.5
1
1.5
2
2.5
3
3.5
4
4.5
5

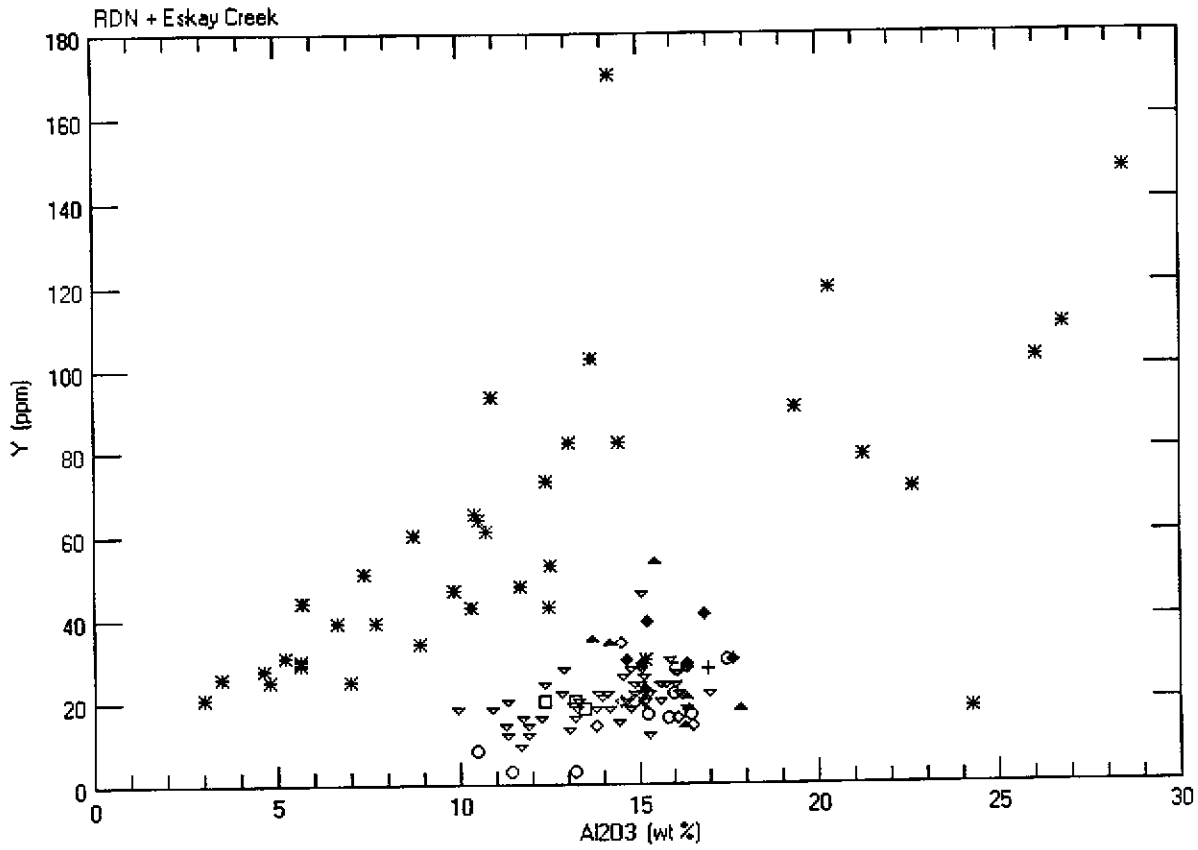

RDN + Eskay Creek Irvine & Baragar 1971 (fig 3)
Na2O + K2O (wt %)
SiO2 (wt %)
Alkaline
SubAlkaline
20
18
16
14
12
10
8
6
4
2
0
35
40
45
50
55
60
65
70
75
80
85

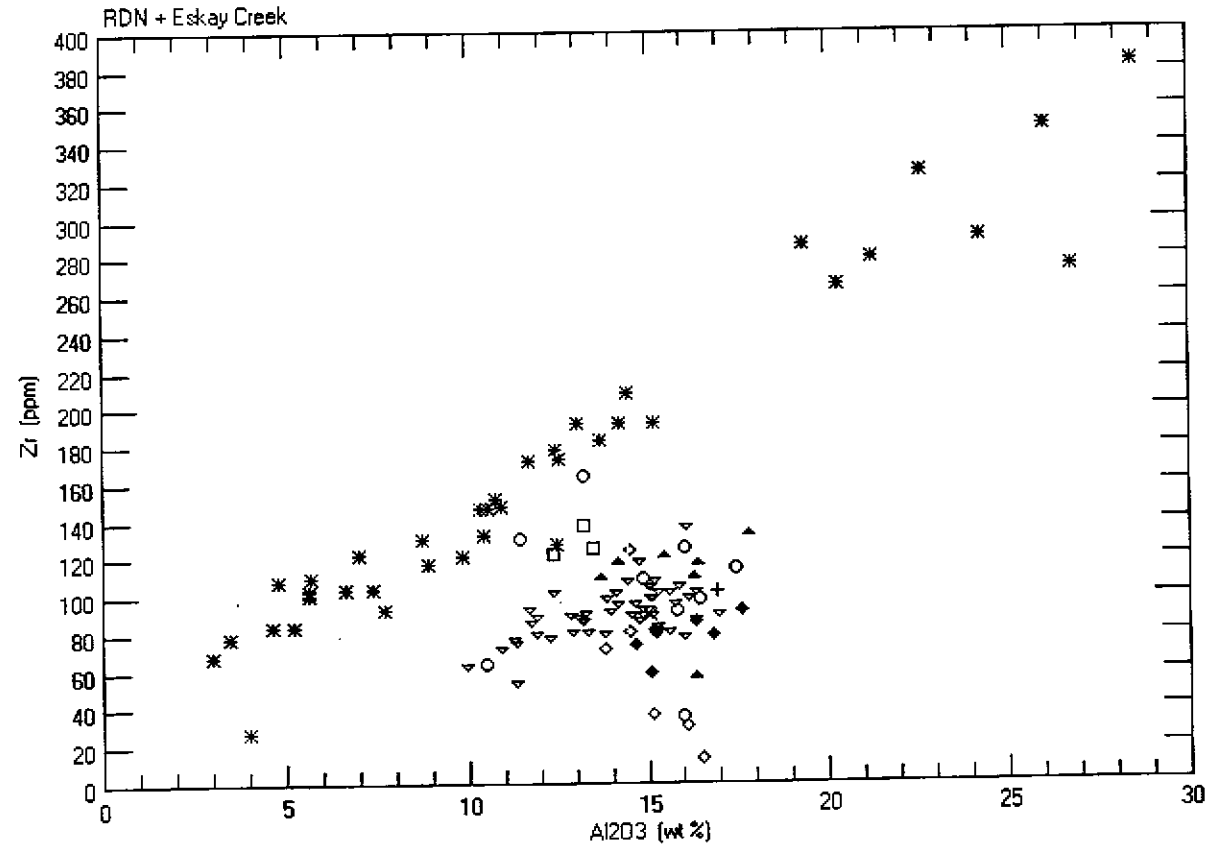

RDN + Eskay Creek
Y (ppm)
Zr (ppm)
0
18
36
54
72
90
108
126
144
162
180
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400

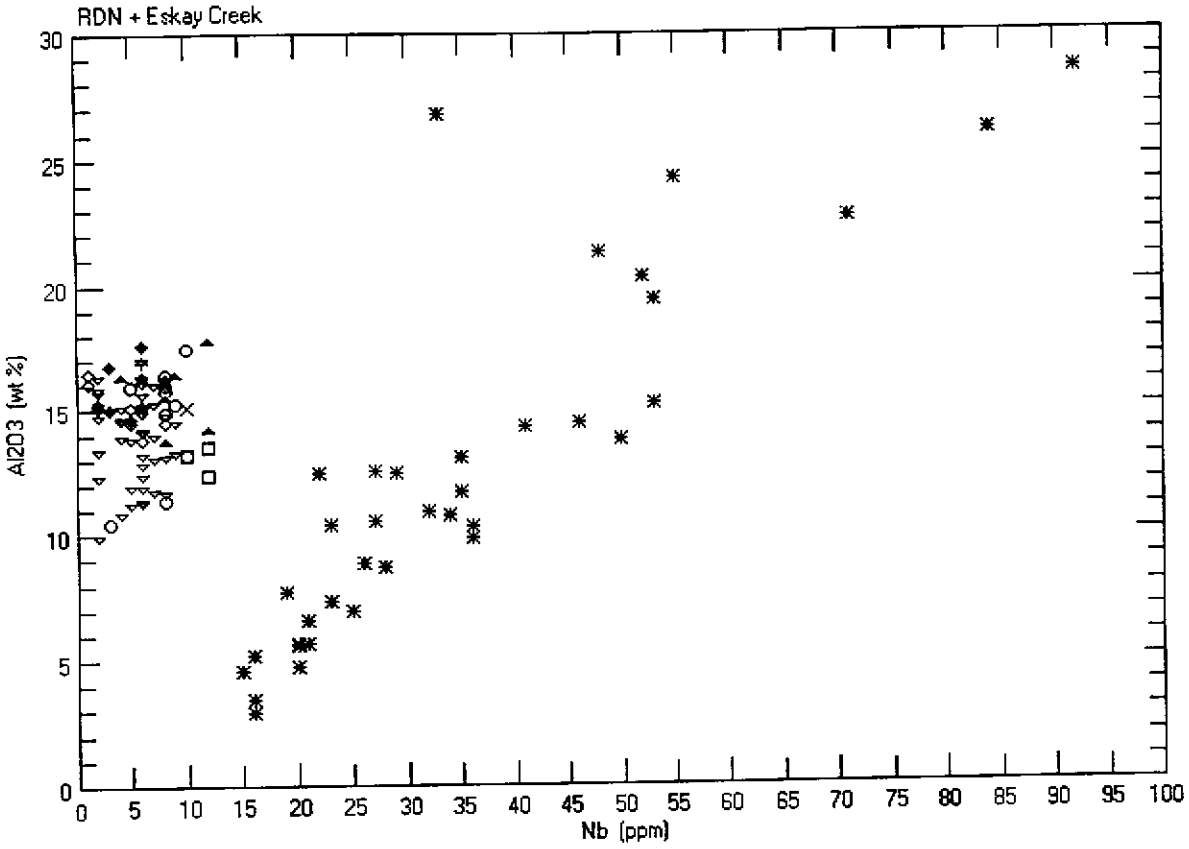

RDN + Eskay Creek
TiO2 (wt %)
Y (ppm)
0
1
2
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180

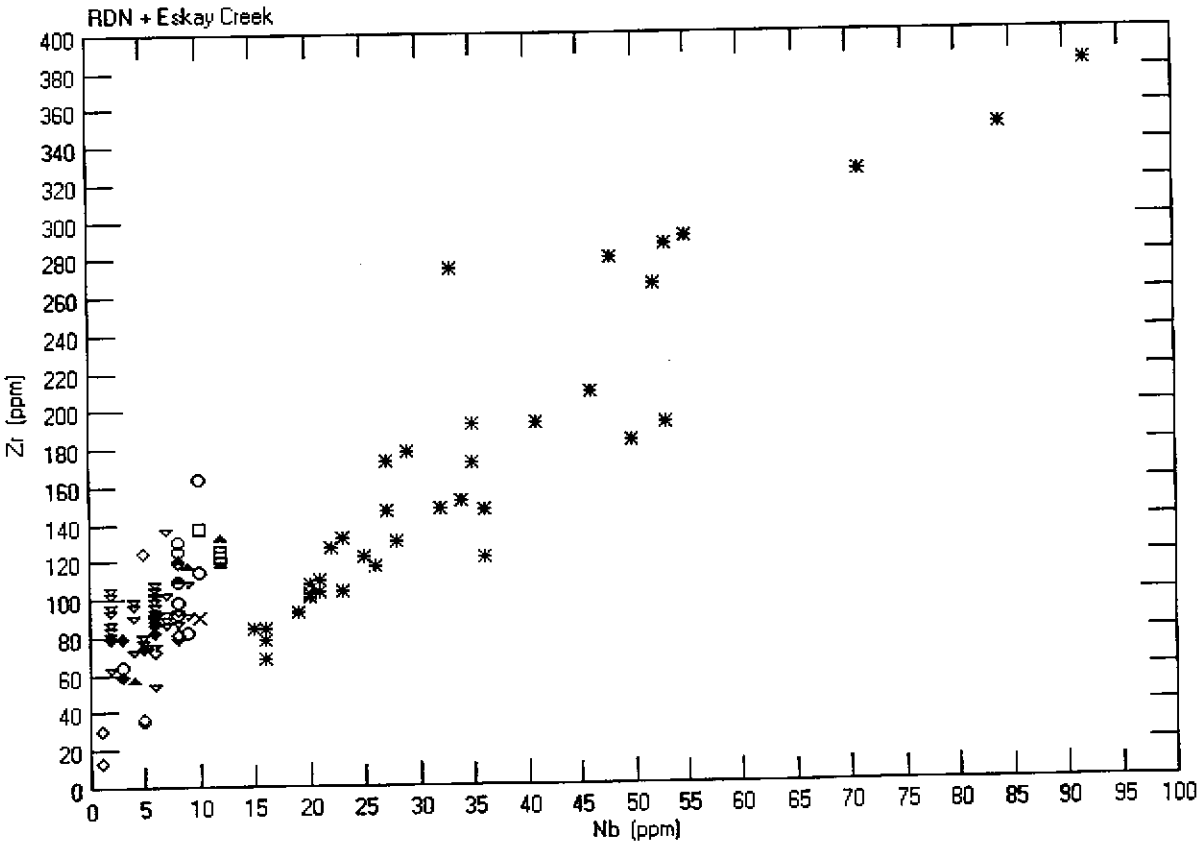

RDN + Eskay Creek
Al2O3 (wt %)
TiO2 (wt %)
0
5
10
15
20
25
30
0
1
2

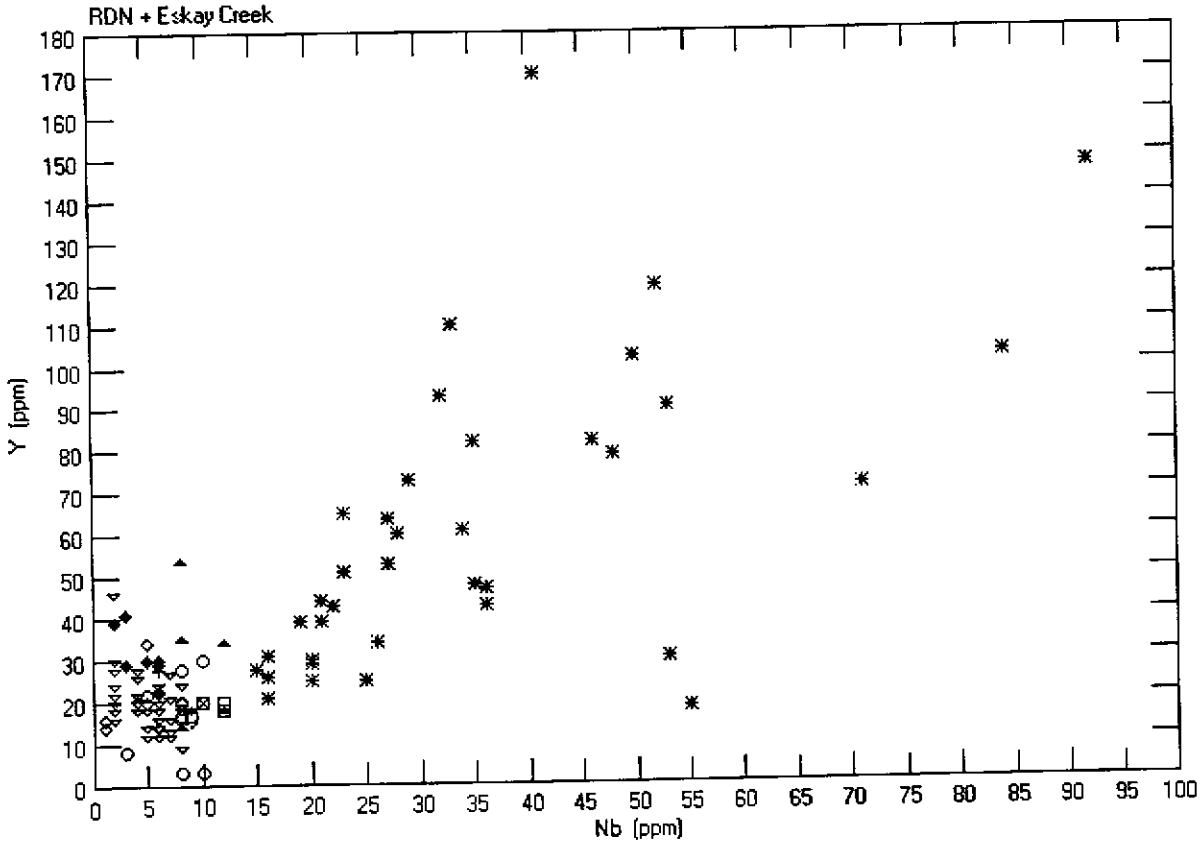

RDN + Eskay Creek
Zr (ppm)
TiO2 (wt %)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
0
1
2

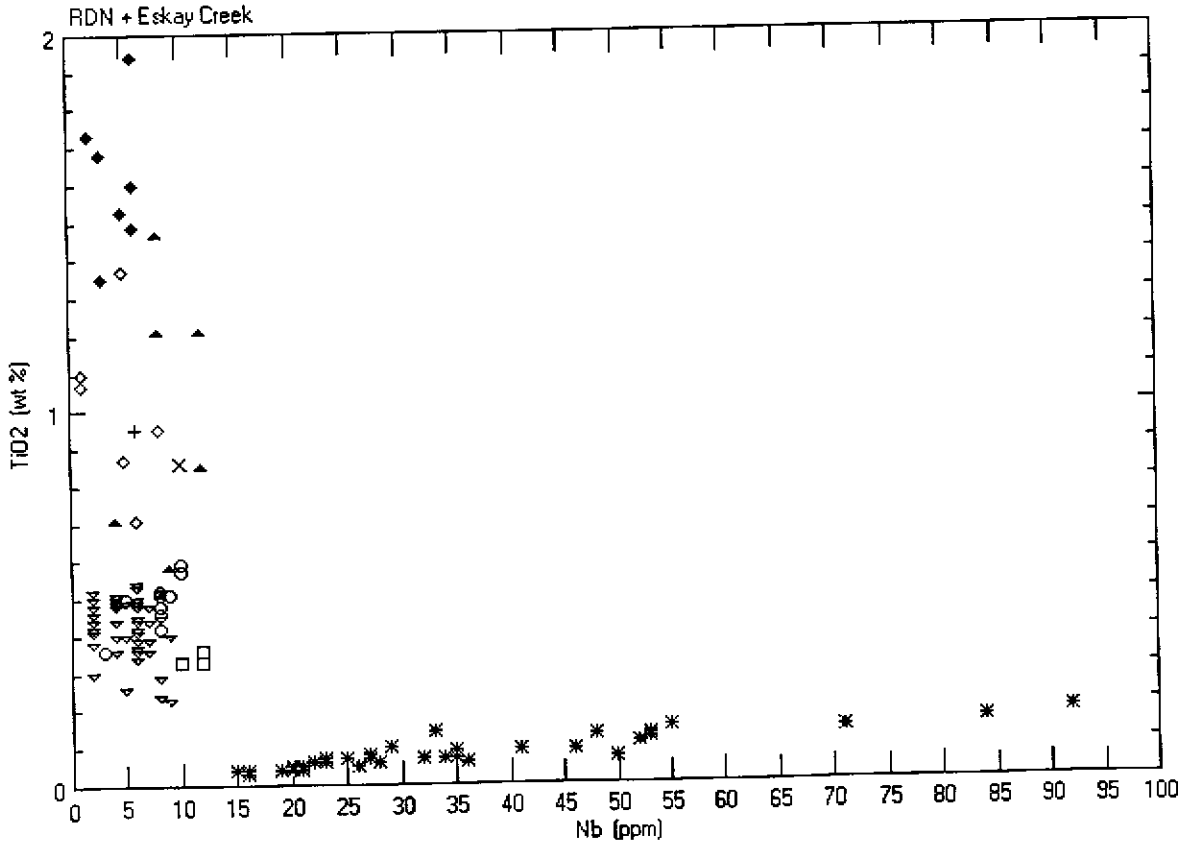

RDN + Eskay Creek
Y (ppm)
Al2O3 (wt %)
0
20
40
60
80
100
120
140
160
180
0
5
10
15
20
25
30


RDN + Eskay Creek
Zr (ppm)
Al2O3 (wt %)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
0
5
10
15
20
25
30


RDN + Eskay Creek
Al2O3 (wt %)
Nb (ppm)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100


RDN + Eskay Creek
Zr (ppm)
Nb (ppm)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100


RDN + Eskay Creek
Y (ppm)
Nb (ppm)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100


RDN + Eskay Creek
TiO2 (wt %)
Nb (ppm)
0
1
2
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100

APPENDIX G

ENGINEER'S CERTIFICATE

ENGINEER'S CERTIFICATE

I, Henry J. Awmack, of 1735 Larch Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with an Honours Bachelor of Applied Science degree in Geological Engineering.

3. THAT I am a Professional Engineer registered in good standing with the *Association of Professional Engineers and Geoscientists of the Province of* British Columbia.

4. THAT this report is based on fieldwork carried out by me or under my direction during August 1997 and on publicly available reports. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 31 day of December, 1997.

Henry J. Awmack, P.Eng.

Rimfire Minerals Corporation

1997 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE RDN 1-10 CLAIMS

Volume II - Figures

Located in the Eskay Creek Area
Liard Mining Division
NTS 104B/15E, 104G/2E
57° 00 North Latitude
130° 39' West Longitude

-prepared for-

RIMFIRE MINERALS CORPORATION
Suite 207, 675 West Hastings Street
Vancouver, B.C., Canada
V6B 1N2

-prepared by-

Henry J. Awmack, P.Eng.
EQUITY ENGINEERING LTD.
Suite 207, 675 West Hastings Street,
Vancouver, B.C., Canada
V6B 1N2

December, 1997

See Figure 4b to North

CARCASS FAULT

KERR FAULT

FORREST FAULT

GOZ 1
224447

GOZ 3
224449

RDN 1
222843

RDN 2
222844

RDN 3
222845

RDN 4
222846

RDN 5
325560

RDN 8
334661

RDN 13
359823

DOWNPOUR GRID

JUNGLE Au-As SOIL ANOMALY

STEEN VEIN

MARCASITE GOSSAN

SOUTH GOSSAN

MORAINE

GLACIER

CONTACT CREEK

COLE CK

DOWNPOUR CREEK

See Figure 5b

See Figure 5a

6319 000N (UTM)
6318 000N (UTM)
6317 000N (UTM)
6316 000N (UTM)
6315 000N (UTM)
6314 000N (UTM)
6313 000N (UTM)
6312 000N (UTM)

LEGEND

LITHOLOGIES

LOWER TO MIDDLE JURASSIC
Hazelton Group

- 11 Dark green to brown, equigranular diorite
- 10 Andesite and basalt
  - 10a Dark green to brown basalt flows, locally amygdaloidal or pillowed
  - 10b Tuff-breccia: light green andesitic fragments to 10cm in tuffaceous matrix
  - 10d Dykes
  - 10h Lapilli bomb-tuff: dark green vesicular bombs in fine tuffaceous matrix
  - 10i Argillaceous mafic tuff-greywacke
  - 10j Mafic greywacke and chert pebble conglomerate
- 9 Marine sediments
  - 9a Dark grey to black interbedded siltstone and argillite
  - 9e Black argillite, locally graphitic
  - 9f Black argillite with sparse lenses of black limestone
  - 9g Greywacke
  - 9i Fossiliferous interbedded siltstone and heterolithic conglomerate
- 8 Felsic porphyritic subvolcanic subvolcanic intrusions and/or flows
  - 8a Grey feldspar porphyry: 5-20% 4-6mm feldspar phenocrysts and sparse Kspar megacrysts
  - 8c Two feldspar porphyry: 5-7% 1-3mm and rare 4-6mm feldspar phenocrysts; no Kspar megacrysts
  - 8d Sparsely porphyritic dacite: <5% 1-3mm anhedral feldspar phenocrysts in pink to brown-maroon matrix
- 7 Felsic to intermediate extrusive rocks
  - 7a Grey and brown lithic-crystal lapilli tuff
  - 7c Tuff-breccia: randomly oriented, subangular 2-30mm felsic clasts in felsic ash matrix
  - 7e Tuff/arkose: unsorted, subrounded 1-2mm grains of quartz, feldspar and felsic volcanics

UPPER TRIASSIC
Stuhini Group

- 4 Andesitic volcaniclastics and sediments
  - 4a Lapilli tuff and tuff-breccia

PERMIAN TO DEVONIAN AND(?) OLDER
Stikine Assemblage

- 3 Black, phyllitic shales, siltstones and cherts
- 2 Grey-green, phyllitic to schistose siltstone, wacke and plagioclase-phyric volcanics

SYMBOLS

- Outcrop (outside Figures 5a and 5b)
- Bedding (inclined, vertical)
- Veining (inclined, vertical)
- Lineation
- Lithological contact (defined, inferred)
- Fault (inferred)
- Stream sediment sample
- Rock sample (float, outcrop)

ABBREVIATIONS

BX	breccia	CA	calcite	CB	Fe-carbonate
CD	chalcedony	CL	chlorite	CY	clay
EP	epidote	GL	galena	KF	K-spar
MR	mariposite/fuchsite	MS	sericite	MT	marcasite
PY	pyrite	QV	quartz veining	SI	silica
SP	sphalerite	TT	tetrahedrite	m	moderate
s	strong	swk	stockwork	tr	trace
w	weak				

1996 SILT SAMPLE ANALYSES
(from Awmack, 1996)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
358491	<5	0.2	32	400	151	380	1	16	<2	214
358492	5	<0.2	30	260	107	280	3	16	<2	284

1995 ROCK SAMPLE ANALYSES
(from Awmack, 1995b)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3754	<5	0.2	1545	100	22	N/A	3	2	4	132

Note: Only samples located in field are shown on map

1996 ROCK SAMPLE ANALYSES
(from Awmack, 1996)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238761	<5	<0.2	8	60	60	<10	1	9	<2	84
238762	<5	1.2	40	460	5	100	1	32	<2	644
238767	<5	<0.2	22	210	7	140	1	8	<2	8
238768	<5	<0.2	62	1020	451	810	1	20	14	238
238769	<5	0.4	10	1850	4280	320	1	206	<2	290
238770	<5	0.2	98	40	69	320	1	28	6	32
238793	55	3.6	44	100	251	360	1	134	2	4440
238794	45	8.2	14	60	143	370	2	124	<2	9450
238795	5	0.2	6	150	29	10	2	14	<2	126
238840*	<5	0.2	2	1510*	25	10	2	15	<2	56
238853	<5	<0.2	4	80	95	20	3	5	<2	102
238854	<5	31 g/t	3460	60	67	1670	7	468	168	368
238855	<5	0.2	38	70	32	50	1	5	<2	80
238859	<5	<0.2	4	460	1165	20	2	8	<2	88
238860	<5	1.0	62	210	1.27%	0.013%	3	20	78	98
238861	<5	<0.2	4	110	64	80	5	14	<2	80
238862	<5	<0.2	10	160	124	620	3	14	<2	110
238863	<5	<0.2	10	110	46	70	3	12	<2	74
238864	<5	<0.2	14	40	46	90	3	20	<2	116
238865	<5	<0.2	8	80	52	<10	1	10	<2	86
238873	<5	<0.2	4	1710	18	470	<1	6	<2	74
238874	<5	<0.2	<2	560	19	100	<1	8	<2	54

* Whole Rock Analysis

1997 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
10482	<5	< 2	34	80	42	<10	<1	78	<2	308
10489	<5	5.0	20	30	258	13500	43	4780	18	3.00%
10490	<5	4.6	56	10	353	4230	26	70	8	2.43%
10491	10	1.8	124	<10	209	3990	33	52	<2	2.91%
10492	10	0.8	32	<10	90	220	17	44	<2	406
230816	15	0.2	4	50	40	<10	2	26	<2	178
230820	<5	< 2	<2	50	10	10	2	58	<2	122
358493	<5	< 2	10	100	38	40	21	10	<2	168
358494*	<5	< 2	<2	195*	53	<10	<1	<2	<2	62
358495*	<5	< 2	<2	175*	76	<10	<1	<2	<2	48

* Whole Rock Analysis

TRUE NORTH
GRID NORTH
1.5°

METRES
0 200 400 600 800 1000

RIMFIRE MINERALS CORPORATION

RDN PROJECT
GEOLOGY & GEOCHEMISTRY
SOUTH SHEET

EQUITY

Date	DEC. 1997	Scale	1:10,000
U.T.M. Zone	9(NAD-27)	Mining District	LIARD
N.T.S.	104 B/15E	State/Province	B.C.

FIGURE 4a

RDN 18
359828

RDN 9
334662

RDN 10
334663

RDN 7
334660

RDN 5
325559

FORREST KERR FAULT

MORE CREEK

MORE GRD

MAIN ZONE

GREEN

VERDE FAULT

BASELINE SHOWING

GEM SHOWING

10f FAULT

10g

10a

See Figure 6

See Figure 4a to South

399 000E (UTM)
400 000E (UTM)
401 000E (UTM)
402 000E (UTM)
403 000E (UTM)
404 000E (UTM)
405 000E (UTM)

6325 000N (UTM)
6324 000N (UTM)
6323 000N (UTM)
6322 000N (UTM)
6321 000N (UTM)
6320 000N (UTM)
6319 000N (UTM)

130° 30' W

16700N
16500N
14200N

6324000

LEGEND

LITHOLOGIES

LOWER TO MIDDLE JURASSIC
Hazelton Group

- 11 Dark green to brown, equigranular diorite
- 10 Andesite and basalt
- 9 Marine sediments
- 7 Felsic extrusive rocks

PERMIAN TO DEVONIAN AND(?) OLDER
Stikine Assemblage

- 3 Black, phyllitic shales, siltstones and cherts
- 2 Grey-green, phyllitic to schistose siltstone, wacke and plagioclase-phyric volcanics

Additional geological data from Savell and Grill (1991), Campbell et al (1991) and Noranda (1990).

SYMBOLS

- Lithological contact (inferred)
- Fault (inferred)
- Legal corner post (located, approximate)

N

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,336

2,3

9,10,11

2,3

7

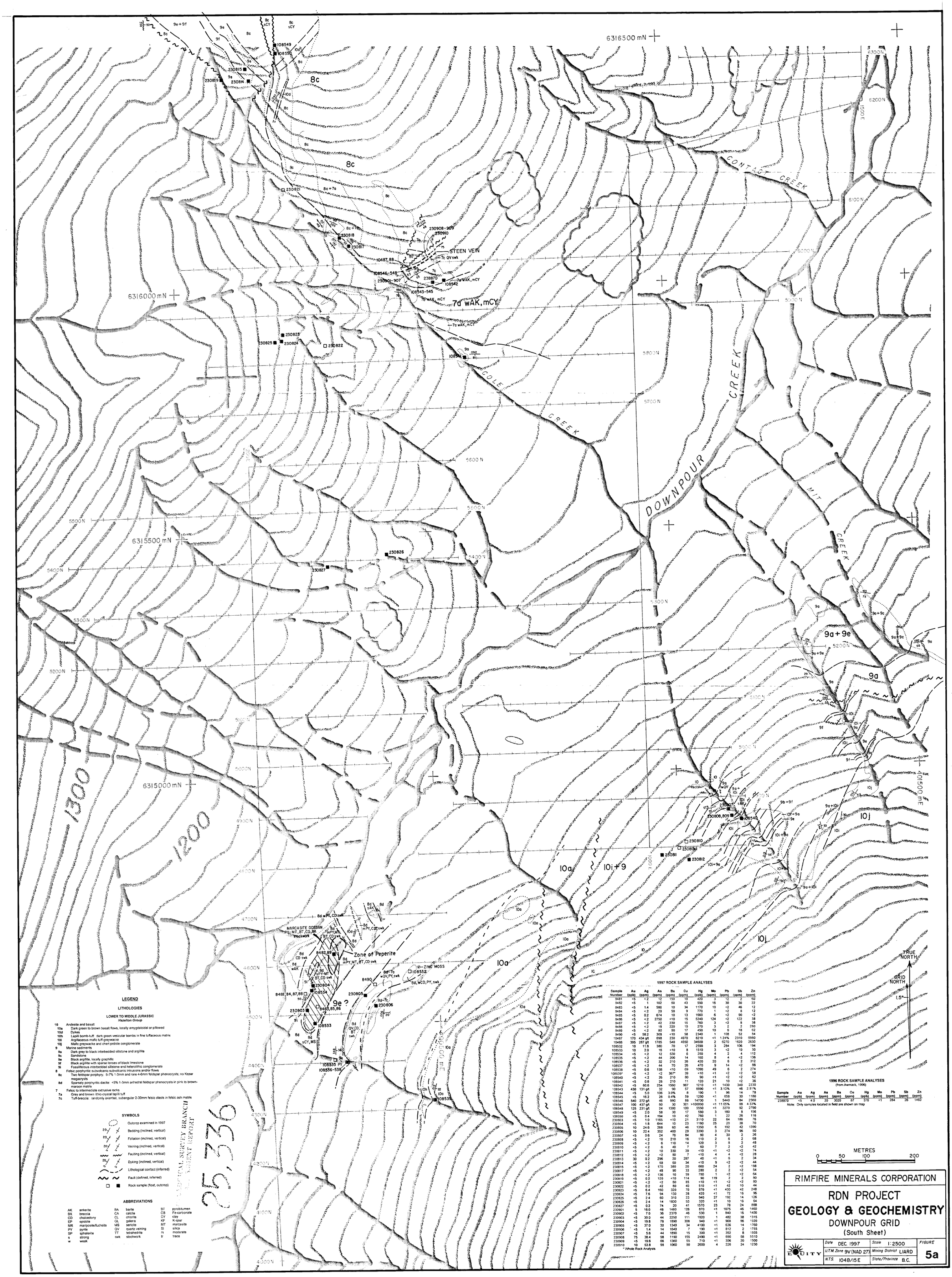
9,10,11

METRES
0 200 400 600 800 1000

RIMFIRE MINERALS CORPORATION

RDN PROJECT
GEOLOGY & GEOCHEMISTRY
NORTH SHEET

EQUITY	Date DEC. 1997	Scale 1:10,000	FIGURE 4b
	U.T.M. Zone 9 (NAD 27)	Mining District LIARD	
	N.T.S. 104G/2E	State/Province B.C.	



LEGEND

LITHOLOGIES

LOWER TO MIDDLE JURASSIC
Hazelton Group

- 10 Andesite and basalt
  - 10a Dark green to brown basalt flows, locally amygdaloidal or pillowed
  - 10d Dykes
  - 10h Lapilli bomb-tuff: dark green vesicular bombs in fine tuffaceous matrix
  - 10i Argillaceous mafic tuff-greywacke
  - 10j Mafic greywacke and chert pebble conglomerate
- 9 Marine sediments
  - 9a Dark grey to black interbedded siltstone and argillite
  - 9c Sandstone
  - 9e Black argillite, locally graphitic
  - 9f Black argillite with sparse lenses of black limestone
  - 9i Fossiliferous interbedded siltstone and heterolithic conglomerate
- 8 Felsic porphyritic subvolcanic subvolcanic intrusions and/or flows
  - 8c Two feldspar porphyry; 5-7% 1-3mm and rare 4-6mm feldspar phenocrysts; no Kspar megacrysts
  - 8d Sparsely porphyritic dacite: <5% 1-3mm anhedral feldspar phenocrysts in pink to brown-maroon matrix
- 7 Felsic to intermediate extrusive rocks
  - 7a Grey and brown lithic-crystal tapilli tuff
  - 7c Tuff-breccia: randomly oriented, subangular 2-30mm felsic clasts in felsic ash matrix

SYMBOLS

- Outcrop examined in 1997
- Bedding (inclined, vertical)
- Foliation (inclined, vertical)
- Veining (inclined, vertical)
- Faulting (inclined, vertical)
- Dyking (inclined, vertical)
- Lithological contact (inferred)
- Fault (defined, inferred)
- Rock sample (float, outcrop)

ABBREVIATIONS

AK	ankerite	BA	barite	BT	pyrobitumen
BX	breccia	CA	calcite	CB	Fe-carbonate
CD	chalcedony	CL	chlorite	CY	clay
EP	epidote	GL	galena	KF	K-spar
MR	mariposite/fuchsite	MS	sericite	MT	marcasite
PY	pyrite	QV	quartz veining	SI	silica
SP	sphalerite	TT	tetrahedrite	m	moderate
s	strong	swk	stockwork	tr	trace

1997 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
8481	<5	<.2	12	150	10	420	3	12	2	50
8482	<5	1	102	60	43	550	16	30	30	22
8483	<5	1.4	586	10	34	1170	10	<2	46	12
8484	<5	<.2	20	50	9	770	1	<2	8	12
8485	<5	0.2	674	10	13	1560	6	<2	90	<2
8486	<5	<.2	2750	<10	15	5240	124	<2	122	38
8487	<5	<.2	42	230	15	760	3	<2	8	38
8488	<5	<.2	18	220	10	270	3	2	2	280
8489	<5	<.2	80	60	17	450	10	6	18	62
8490	<5	58.2	308	<10	58	2340	1	108	52	34
10487	170	434 g/t	698	230	4970	8210	<1	1.24%	2310	5980
10488	395	287 g/t	1785	540	4850	34600	2	6270	1620	2630
108532	10	11.6	380	70	17	2590	3	284	106	194
108533	10	2.0	16	<10	8	1510	3	<2	10	30
108534	<5	<.2	12	530	6	250	4	2	4	112
108535	<5	<.2	44	200	14	160	8	4	<2	136
108536	<5	<.2	32	210	26	420	20	6	2	312
108537	<5	<.2	44	70	26	470	9	14	<2	88
108538	<5	0.6	138	<10	69	1090	49	6	2	274
108539*	<5	<.2	<2	3670*	39	<10	<1	<2	<2	58
108540	<5	<.2	26	210	80	90	<1	<2	<2	62
108541	<5	0.8	28	210	11	120	21	10	<2	36
108542	<5	60.6	254	1560	967	1210	<1	1430	340	2230
108543	435	1310 g/t	32	90	57	8890	<1	3.13%	46	2.51%
108544	<5	5.0	106	3.0%	8	190	1	96	14	78
108545	<5	16.2	26	0.4%	59	1280	<1	658	30	1180
108546	540	272 g/t	46	990	89	14700	1	5440	84	2560
108547	100	437 g/t	50	30	301	>100000	<1	11.65%	88	4.33%
108548	125	231 g/t	24	1300	100	5550	<1	3270	92	2790
108549	<5	2.0	58	30	17	580	3	180	8	156
108550	<5	0.4	194	60	42	760	1	22	26	116
230303	<5	1.0	1165	<10	21	3110	22	64	186	76
230304	<5	1.8	644	10	23	1180	25	20	38	70
230305	10	24.6	268	60	46	1350	6	192	42	1390
230306	10	22.4	352	400	29	3390	3	274	96	50
230307	<5	0.6	24	70	84	80	4	30	2	26
230308	<5	<.2	10	210	16	110	2	6	2	68
230309	<5	<.2	6	110	14	120	3	8	2	48
230310	<5	<.2	6	40	7	60	7	2	<2	42
230311	<5	<.2	10	330	39	<10	<1	<2	<2	74
230312	<5	<.2	<2	80	7	<10	4	4	<2	28
230313	30	0.2	296	20	287	40	<1	6	2	34
230314	<5	<.2	58	50	34	<10	9	<2	<2	44
230315	<5	<.2	170	380	20	650	24	2	<2	198
230317	<5	<.2	48	90	33	280	2	2	<2	54
230318	<5	<.2	136	10	59	780	1	<2	<2	64
230319	<5	0.2	120	<10	114	190	119	2	2	90
230321	<5	<.2	<2	50	95	<10	<1	<2	<2	80
230322	<5	0.2	42	80	40	510	<1	42	10	44
230323	<5	6.4	160	320	70	870	<1	430	42	248
230324	<5	7.6	94	130	28	420	<1	72	18	96
230325	<5	2.4	60	310	23	940	27	192	14	126
230326	<5	2.4	14	1830	53	320	<1	10	16	64
230327	<5	0.2	16	20	41	1570	23	78	24	868
230901	5	18.0	48	1480	128	870	<1	1075	46	1460
230902	<5	7.0	36	2370	46	530	1	840	16	1400
230903	<5	30.0	44	2250	111	1820	1	482	38	1315
230904	<5	19.8	78	1890	308	940	<1	968	96	1920
230905	<5	37.0	30	1340	34	4100	<1	636	14	1760
230906	<5	1.4	14	1640	7	190	<1	812	2	1755
230907	<5	5.6	44	1890	15	300	<1	392	8	1935
230908	75	38.4	98	1190	155	2490	<1	690	58	5510
230909	<5	19.6	66	1360	55	710	<1	306	20	1500
230910	10	53.8	98	1060	90	2600	4	226	24	1230

*Whole Rock Analysis

1996 ROCK SAMPLE ANALYSES
(from Awmack, 1996)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238870	<5	4.0	20	3020	87	570	<1	264	28	1460

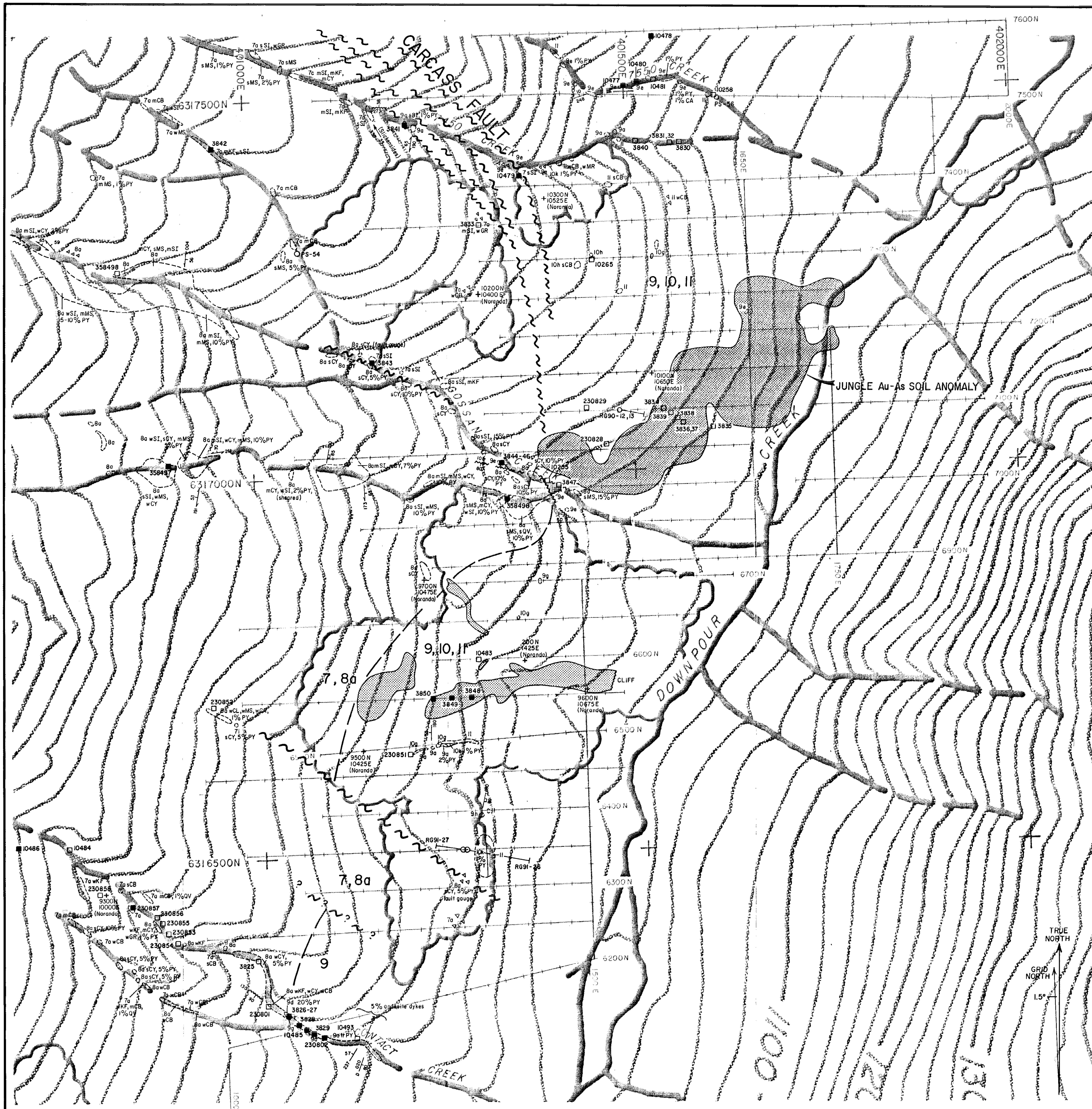
Note: Only samples located in field are shown on map

RIMFIRE MINERALS CORPORATION

RDN PROJECT
GEOLOGY & GEOCHEMISTRY
DOWNPOUR GRID
(South Sheet)

EQUITY

Date DEC. 1997	Scale 1:2500	FIGURE
U.T.M. Zone 9V (NAD 27)	Mining District LIARD	5a
N.T.S. 104B/15E	State/Province B.C.	



LEGEND

LITHOLOGIES

LOWER TO MIDDLE JURASSIC
Hazelton Group

11	Dark green to brown, equigranular diorite
10	Andesite and basalt
10g	Dark grey lithic tuff
10k	Blue-grey fine-grained andesite
9	Marine sediments
9a	Dark grey to black interbedded siltstone and argillite
9d	Conglomerate: rounded felsic clasts in black argillitic matrix
9e	Black argillite, locally graphitic
9g	Greywacke
9h	Cherty siltstone
8	Felsic porphyritic subvolcanic subvolcanic intrusions and/or flows
8a	Grey feldspar porphyry: 5-20% 4-6mm feldspar phenocrysts and sparse Kspar megacrysts
7	Felsic to intermediate extrusive rocks
7a	Grey and brown lithic-crystal lapilli tuff
7c	Tuff-breccia: randomly oriented, subangular 2-30mm felsic clasts in felsic ash matrix
7i	Quartz-eye tuff

SYMBOLS

Outcrop examined in 1997
Subcrop boulders
20 Bedding (inclined, vertical)
20 Foliation (inclined, vertical)
20 Fracturing (inclined, vertical)
60 Faulting (inclined, vertical)
20 Dyking (inclined, vertical)
20 Lineation
Lithological contact (inferred)
Fault (defined, inferred)
Stream sediment sample
Rock sample (float, outcrop)
Drill hole
Ferricrete

ABBREVIATIONS

BX	breccia	CA	calcite	CB	Fe-carbonate
CD	chalcedony	CL	chlorite	CY	clay
EP	epidote	GL	galena	KF	K-spar
MR	mariposite/fuchsite	MS	sericite	MT	marcasite
PY	pyrite	QV	quartz veining	SI	silica
SP	sphalerite	TT	tetrahedrite	m	moderate
s	strong	tr	trace	w	weak

1994 SILT SAMPLE ANALYSES

(from Awmack, 1995a)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
PS-54	<5	<0.2	12	370	28	<1000	<1	26	<2	98
PS-56	<5	<0.2	24	390	66	<1000	3	26	6	168

Note: Only samples located in field are shown on map

1994 ROCK SAMPLE ANALYSES

(from Awmack, 1995a)

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
10258	<5	1.0	8	30	155	<1000	<1	1440	<2	1895
10265	<5	<1	16	200	2	<1000	<1	24	4	114

Note: Only samples located in field are shown on map

1997 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3825	<5	15.6	144	270	553	350	<1	452	140	222
3826	<5	<.2	40	40	23	120	3	20	2	96
3827	<5	<.2	42	20	26	150	3	16	<2	86
3828	10	0.2	38	50	32	100	1	40	<2	164
3829	<5	<.2	78	50	71	640	55	2	4	246
3830	<5	0.4	24	980	27	40	1	16	<2	96
3831	<5	<.2	16	780	7	30	1	12	<2	120
3832	<5	0.2	30	380	32	40	<1	80	2	238
3833	<5	0.2	16	410	26	40	<1	6	<2	104
3834	40	<.2	32	350	10	<10	4	6	<2	64
3835	45	0.2	40	150	24	<10	1	92	<2	98
3836	195	0.2	78	190	16	<10	1	42	<2	122
3837	50	0.8	68	200	17	20	2	38	<2	92
3838	<5	<.2	60	100	64	<10	<1	<2	<2	64
3839	25.44 g/tonne	17.2	312	190	204	1910	<1	4340	<2	3350
3840	250	<.2	14	1790	6	80	<1	30	<2	144
3841	15	<.2	42	920	10	20	<1	10	<2	78
3842	15	<.2	4	290	1	10	<1	2	<2	48
3843	10	<.2	2	430	5	10	<1	4	<2	50
3844	<5	0.2	22	20	33	790	7	6	<2	2
3845	<5	<.2	10	60	38	30	1	4	<2	36
3846	<5	0.2	18	430	57	130	8	8	<2	132
3847	10	1.6	18	10	1335	1460	38	20	8	2
3848	10	0.2	32	<10	3	<10	<1	2	<2	10
3849	<5	0.2	<2	<10	1	<10	<1	4	<2	24
3850	<5	<.2	44	<10	2	<10	<1	2	2	14
10477	<5	<.2	8	190	46	30	<1	12	2	102
10478	<5	<.2	10	100	31	10	<1	2	<2	120
10479	<5	1.2	38	530	30	240	<1	410	<2	2610
10480	<5	<.2	2	150	29	20	<1	320	<2	508
10481	<5	<.2	4	50	42	<10	<1	62	<2	182
10483	<5	<.2	6	110	36	<10	<1	<2	<2	38
10484	<5	89.0	710	1850	1980	11700	2	4810	222	1500
10485	<5	2.0	76	330	75	120	<1	36	12	674
10486	<5	0.2	6	2210	20	180	<1	64	4	384
10493	<5	245 g/t	424	2320	1790	42100	<1	48	246	614
230801	15	13.2	38	30	20	2860	<1	3.58%	6	6.57%
230802	<5	<.2	18	70	39	300	1	138	<2	1820
230828	<5	<.2	4	1140	7	10	<1	2	<2	28
230829	<5	<.2	42	1230	166	70	<1	10	<2	62
230851	<5	<.2	12	60	14	240	1	2	<2	6
230852	<5	<.2	<2	70	1	<10	<1	<2	<2	6
230853	5	<.2	12	130	27	50	<1	<2	<2	138
230854	10	16.0	14	420	86	110	<1	3970	28	1.57%
230855	40	7.6	12	330	37	3380	<1	4930	10	1.71%
230856	<5	30.8	504	1290	1525	3110	<1	250	200	1010
230857	<5	0.4	12	1990	20	90	1	66	6	1110
230858	2.47g/t	28.4	106	560	142	3290	8	2870	34	9540
358496	<5	<.2	4	60	32	10	1	18	2	112
358497	<5	<.2	10	140	12	450	1	2	<2	4
358498*	<5	<.2	<2	908*	10	<10	<1	<2	<2	84

* Whole Rock Analysis

METRES
0 50 100 200

RIMFIRE MINERALS CORPORATION

RDN PROJECT
GEOLOGY & GEOCHEMISTRY
DOWNPOUR GRID
(North Sheet)

EQUITY	Date DEC. 1997	Scale 1: 2500	FIGURE 5b
	U.T.M. Zone 9V(NAD 27)	Mining District LIARD	
	N.T.S. 104B/15E, G/2E	State/Province B.C.	

25,336

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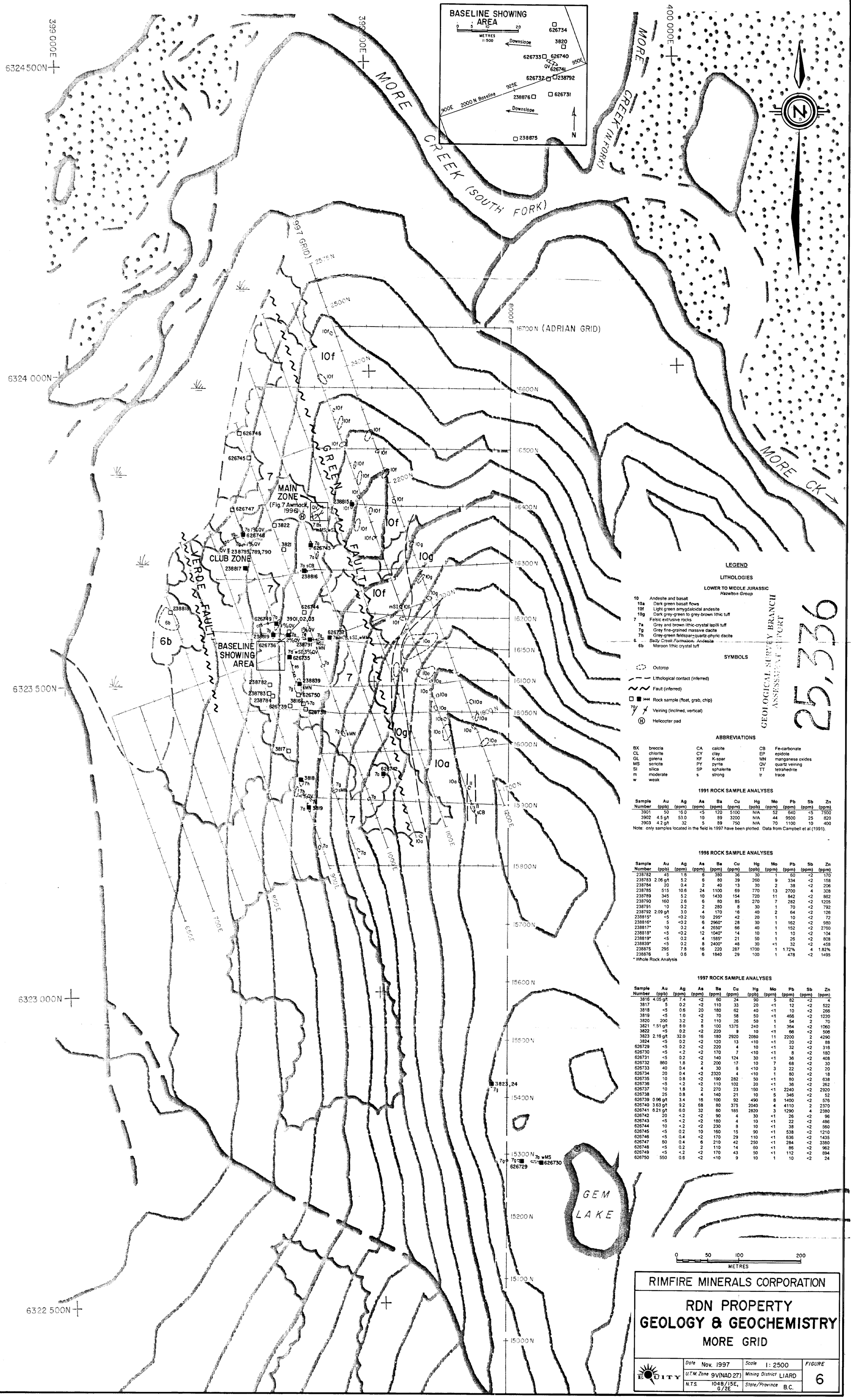


LEGEND

LITHOLOGIES

LOWER TO MIDDLE JURASSIC
Hazelton Group

- **10** Andesite and basalt
  - **10a** Dark green basalt flows
  - **10f** Light green amygdaloidal andesite
  - **10g** Dark grey-green to grey-brown lithic tuff
- **7** Felsic extrusive rocks
  - **7a** Grey and brown lithic-crystal lapilli tuff
  - **7g** Grey fine-grained massive dacite
  - **7h** Grey-green feldspar+quartz-phyric dacite
- **6** *Betty Creek Formation:* Andesite
  - **6b** Maroon lithic crystal tuff

SYMBOLS

- Outcrop
- Lithological contact (inferred)
- Fault (inferred)
- Rock sample (float, grab, chip)
- Veining (inclined, vertical)
- Helicopter pad

ABBREVIATIONS

BX	breccia	CA	calcite	CB	Fe-carbonate
CL	chlorite	CY	clay	EP	epidote
GL	galena	KF	K-spar	MN	manganese oxides
MS	sericite	PY	pyrite	QV	quartz veining
SI	silica	SP	sphalerite	TT	tetrahedrite
m	moderate	s	strong	tr	trace
w	weak				

1991 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3901	50	16.0	<5	120	5100	N/A	52	640	<5	7500
3902	4.5 g/t	53.0	10	89	3200	N/A	44	9500	25	820
3903	4.2 g/t	32	5	89	750	N/A	70	1100	10	400

Note: only samples located in the field in 1997 have been plotted. Data from Campbell et al (1991).

1996 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
238782	45	1.6	6	380	36	30	1	60	<2	170
238783	2.06 g/t	5.2	6	80	39	260	9	334	<2	158
238784	20	0.4	2	40	13	30	2	38	<2	206
238785	515	10.6	24	1100	69	770	13	2700	4	308
238789	345	5.2	10	1430	154	720	11	842	<2	852
238790	160	2.6	6	80	85	270	7	282	<2	1205
238791	10	0.2	2	280	8	30	1	70	<2	792
238792	2.09 g/t	3.0	4	170	16	40	2	64	<2	126
238815*	<5	<0.2	10	295*	42	20	1	10	<2	72
238816*	5	<0.2	6	2960*	28	30	1	162	<2	980
238817*	10	0.2	4	2650*	66	40	1	152	<2	2760
238818*	<5	<0.2	12	1040*	14	10	1	10	<2	104
238819*	<5	0.2	4	1585*	21	50	1	26	<2	808
238839*	<5	0.2	8	2400*	48	30	<1	32	<2	458
238875	295	7.8	16	220	287	1700	1	1.72%	4	1.82%
238876	5	0.6	6	1840	29	100	1	478	<2	1495

* Whole Rock Analysis

1997 ROCK SAMPLE ANALYSES

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Cu (ppm)	Hg (ppb)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
3816	4.05 g/t	7.4	<2	60	24	90	5	82	<2	4
3817	5	0.2	<2	110	33	20	<1	12	<2	522
3818	<5	0.6	20	180	62	40	<1	10	<2	266
3819	<5	1.0	<2	70	58	50	<1	466	<2	1220
3820	200	3.2	2	110	26	50	1	54	2	70
3821	1.51 g/t	8.0	8	100	1375	240	1	364	<2	1060
3822	<5	0.2	<2	220	9	10	<1	66	<2	508
3823	2.16 g/t	32.0	16	180	2920	2080	11	2200	2	4290
3824	<5	0.2	<2	120	13	<10	<1	20	<2	88
626729	<5	0.2	<2	220	4	10	<1	32	<2	316
626730	<5	<.2	<2	170	7	<10	<1	8	<2	180
626731	<5	0.2	<2	140	124	30	<1	36	<2	408
626732	860	1.8	2	200	17	10	7	68	<2	30
626733	40	0.4	4	30	6	<10	3	22	<2	20
626734	20	0.4	<2	2320	4	<10	1	80	<2	18
626735	10	0.8	<2	190	282	50	<1	80	<2	638
626736	<5	<.2	<2	110	102	20	<1	36	<2	262
626737	10	1.8	2	270	23	160	<1	2240	<2	2920
626738	25	0.8	4	140	21	10	5	346	<2	52
626739	0.96 g/t	3.4	16	100	92	490	8	1400	<2	576
626740	3.63 g/t	9.2	68	80	375	2040	4	4110	2	2370
626741	8.21 g/t	6.0	32	60	185	2820	3	1290	4	2380
626742	20	<.2	<2	90	4	30	<1	26	<2	96
626743	<5	<.2	<2	180	4	10	<1	22	<2	486
626744	10	<.2	<2	230	8	10	<1	38	<2	560
626745	<5	0.2	10	160	15	90	<1	538	<2	1210
626746	<5	0.4	<2	170	29	110	<1	636	<2	1435
626747	80	0.4	6	210	42	250	<1	284	<2	3380
626748	<5	0.2	2	110	14	60	<1	86	<2	962
626749	<5	<.2	<2	170	43	50	<1	112	<2	894
626750	550	0.6	<2	<10	9	10	1	10	<2	24

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

23,939

0 50 100 200
METRES

RIMFIRE MINERALS CORPORATION

RDN PROPERTY
GEOLOGY & GEOCHEMISTRY
MORE GRID

EQUITY	Date Nov. 1997	Scale 1:2500	FIGURE 6
	U.T.M. Zone 9V(NAD 27)	Mining District LIARD	
	N.T.S. 104B/15E, G/2E	State/Province B.C.	

True North
@1.5° East of Grid North

Magnetic North

25.25°

6 317,500m N

6 317,000m N

6 316,500m N

7600N

7500N

7400N

7300N

7200N

7100N

7000N

6900N

6700N

6700N

6600N

6500N

6400N

6300N

6200N

1900E

1650E

1750E

1500E

401,000m E

401,500m E

402,000m E

GOLD (ppb)
SILVER (ppm)

scale: 1:2500
0 25 50 100
metres

RIMFIRE MINERALS CORPORATION

RDN PROPERTY

Au(ppb) AND Ag(ppm) IN SOILS

DOWNPOUR GRID

Date: NOVEMBER 1997	Scale: 1:2500	Figure: 7a
N.T.S.: 104B/15E,G/2E	Mining District:	Province: B.C.	

B.C. CITY

True North
@1.5° East of Grid North

Magnetic North

25.25°

6 324,000m N

2400N

2200N

2000N

16,150N

16,050N

1700N

1200E

1100E

1000E

900E

800E

700E

6 323,500m N

6 323,000m N

399,000m E

398,500m E

400,000m E

GOLD (ppb)
SILVER (ppm)

scale: 1:2500
0 25 50 100
metres

RIMFIRE MINERALS CORPORATION

RDN PROPERTY

Au(ppb) AND Ag(ppm) IN SOILS

MORE GRID

Date: NOVEMBER 1997	Scale: 1:5000	Figure: 7b
U.T.M. Zone: UTM 9(NAD27)	Mining District: Liard	
N.T.S.: 104B/15E,G/2E	Stata/Province: B.C.	

True North
@1.5° East of Grid North

Magnetic North

25.25°

6 317,500m N

6 317,000m N

6 316,500m N

7600N

7500N

7400N

7300N

7200N

7100N

7000N

6900N

6700N

6600N

6500N

6400N

6300N

6200N

1900E

1850E

1750E

1500E

401,000m E

401,500m E

402,000m E

ARSENIC (ppm) / ZINC (ppm)

scale: 1:2500
0 25 50 100
metres

RIMFIRE MINERALS CORPORATION

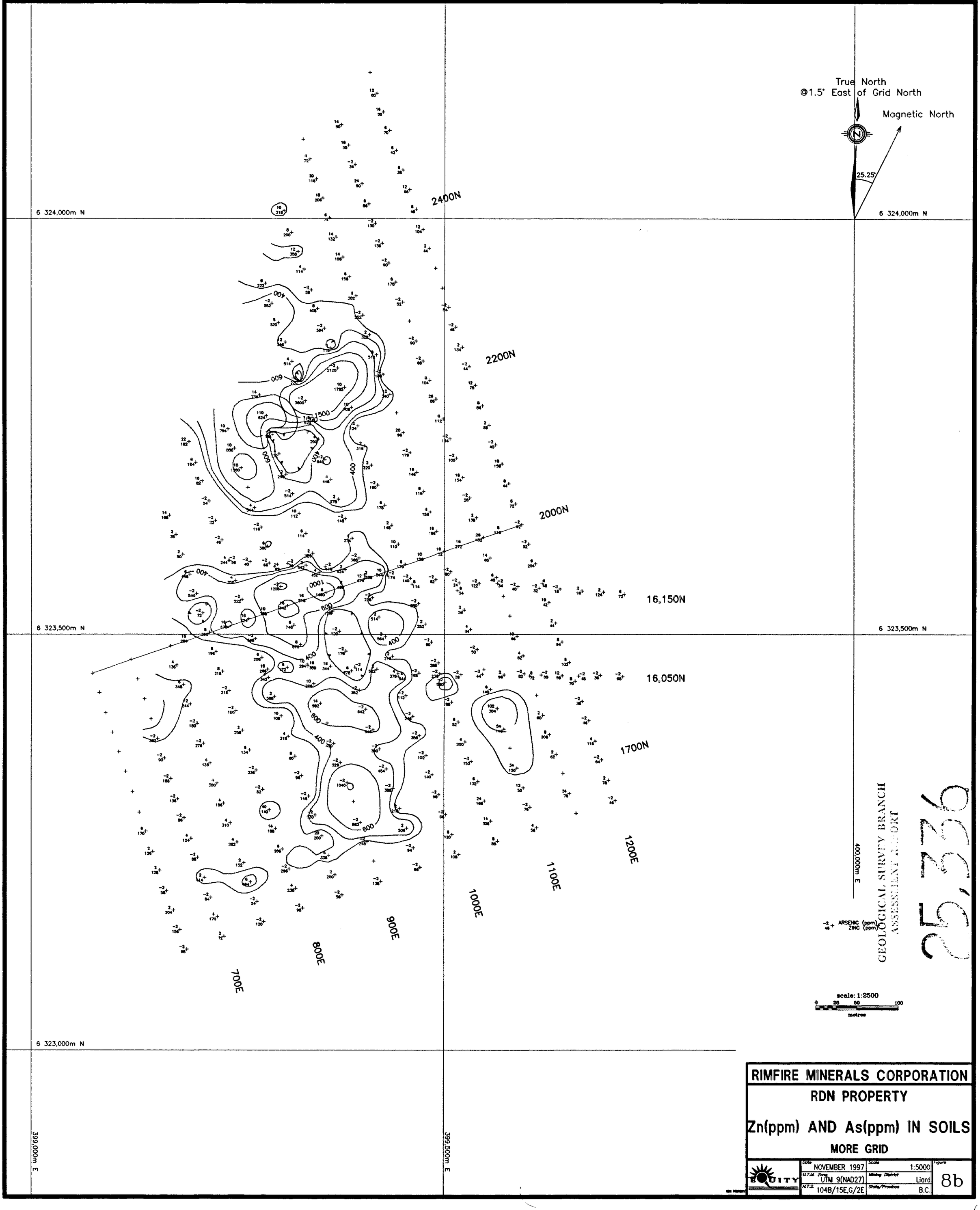
RDN PROPERTY

As(ppm) AND Zn(ppm) IN SOILS

DOWNPOUR GRID

Date: NOVEMBER 1997	Scale: 1:2500	Figure: 8a
U.T.M. Zone: UTM 9(NAD27)	Mining District:	
N.T.S.: 104B/15E,G/2E	State/Province: B.C.	

GEOQUEST



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,253

RIMFIRE MINERALS CORPORATION

RDN PROPERTY

Zn(ppm) AND As(ppm) IN SOILS

MORE GRID

EQUITY	Date: NOVEMBER 1997	Scale: 1:5000	Figure: 8b
	U.T.M. Zone: UTM 9(NAD27)	Mining District: Liard	
	N.T.S.: 104B/15E,G/2E	Province: B.C.	

True North
@1.5° East of Grid North

Magnetic North

25.25°

7600N

7500N

7400N

7300N

7200N

7100N

7000N

6900N

6700N

6600N

6500N

6400N

6300N

6200N

1900E

1650E

1750E

1500E

6 317,500m N

6 317,000m N

6 316,500m N

401,000m E

401,500m E

402,000m E

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,336

LEAD (ppm)
COPPER (ppm)

scale: 1:2500

0 25 50 100
metres

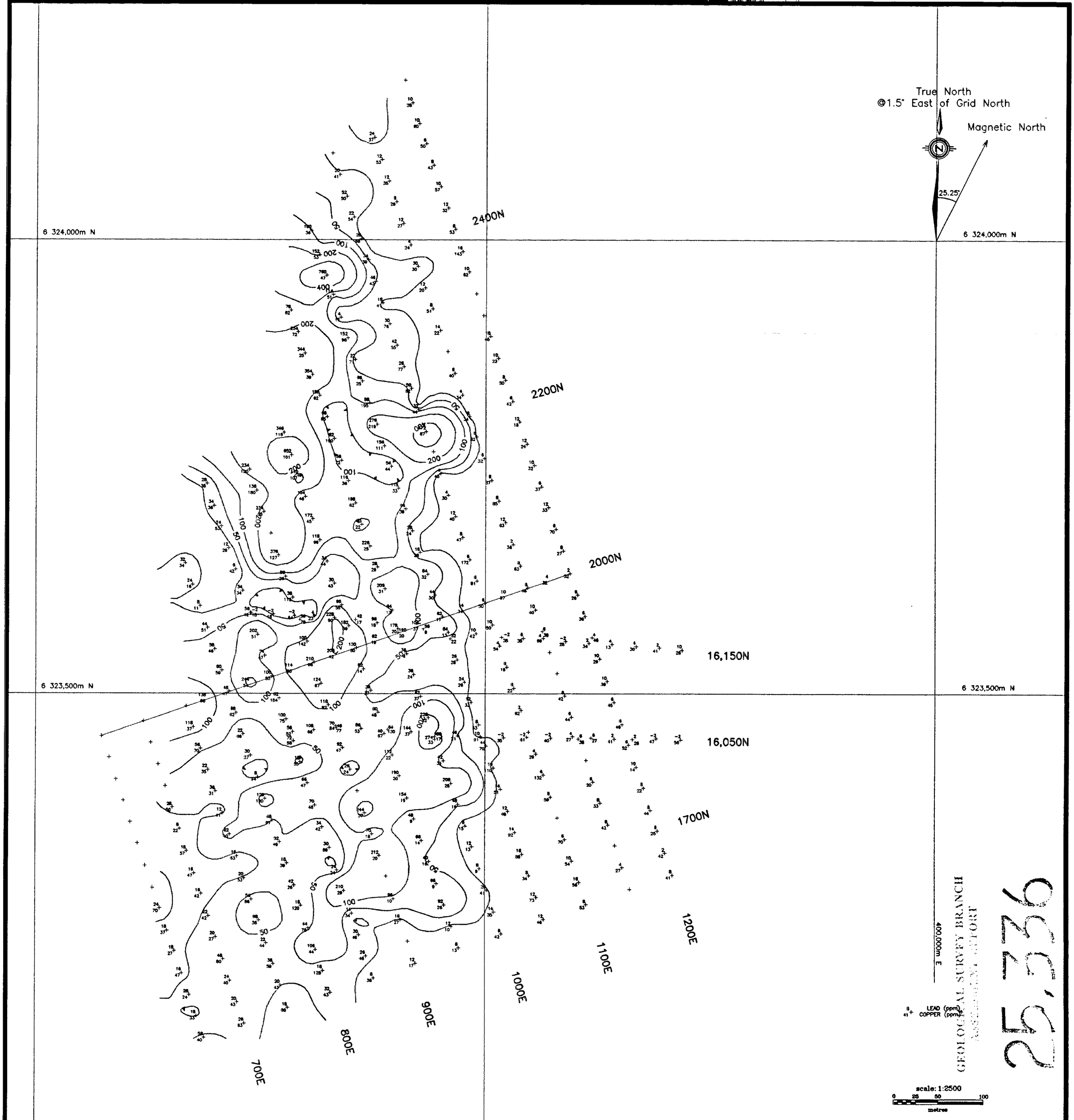
RIMFIRE MINERALS CORPORATION

RDN PROPERTY

Pb(ppm) AND Cu(ppm) IN SOILS

DOWNPOUR GRID

EQUITY	Date: NOVEMBER 1997	Scale: 1:2500	Figure: 9a
	U.T.M. Zone: UTM 9(NAD27)	Mining District	
	N.T.S.: 104B/15E,G/2E	State/Province: B.C.	



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,252

RIMFIRE MINERALS CORPORATION

RDN PROPERTY

Pb(ppm) AND Cu(ppm) IN SOILS

MORE GRID

EQUITY	Date: NOVEMBER 1997	Scale: 1:5000	Figure: 9b
	U.T.M. Zone: UTM 9(NAD27)	Mining District: Liard	
	N.T.S.: 104B/15E,G/2E	State/Province: B.C.	