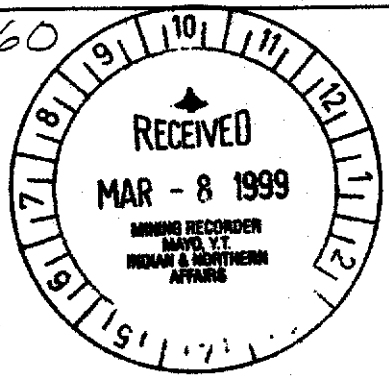


Blackstone Resources Inc.

1998 GEOLOGICAL, GEOCHEMICAL AND DIAMOND DRILLING REPORT ON THE REIN PROPERTY

Volume I: Text and Figures

Located near Lomond Creek
Mayo and Dawson Mining Districts
NTS 116A/12, B/9
64° 42' North Latitude
138° 05' West Longitude

-prepared for-

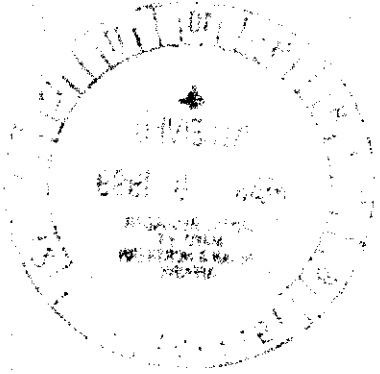
BLACKSTONE RESOURCES INC.
501-675 West Hastings Street
Vancouver, B.C., Canada
V6B 1N2

-prepared by-

Stewart Harris, P.Geo.
Murray I. Jones, P.Geo
Jason Weber, B.Sc., G.I.T.

EQUITY ENGINEERING LTD.
207-675 West Hastings Street,
Vancouver, B.C., Canada
V6B 1N2

February 1999



This report has been examined by the Geological Evaluation Unit under Section 32 (1) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 38,000.

M. Burk

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

1998 GEOLOGICAL, GEOCHEMICAL AND DIAMOND DRILLING PROGRAM ON THE REIN PROPERTY

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

TABLE OF CONTENTS (Continued)

LIST OF FIGURES (Continued)

SUMMARY

The Rein property, centred 95 kilometres northeast of Dawson, is located in the Taiga Basin in west-central Yukon. The property, prior to the 1998 exploration program, was comprised of 1043 claims in one contiguous block. Following the 1998 exploration program, this land package has been reduced to 220 claims in one contiguous block. Topography is gentle to moderate with local rugged terrain and mainly above tree-line. The Dempster Highway passes within five kilometres of the western claim boundary.

The project area lies within the Taiga Shale Basin, a 30 by 90 km, Ordovician to Mississippian clastic sub-basin of the Selwyn Basin, located within a shelf sequence north of the Dawson Thrust. The basin has been affected by a series of east-west striking, south-dipping thrust faults and open folds. Mafic volcanic and intrusive units of uncertain age (Middle to Late Paleozoic) occur within the project area.

The Taiga Basin, including the Rein property, was explored by UMEX in 1976 and 1977 for shale-hosted lead-zinc-barite deposits. UMEX completed detailed silt and soil sampling in the Rein area, identifying extensive Zn geochemical anomalies and hydrozincite-coated shales, limestone and chert. In 1994, Blackstone Resources Inc. acquired UMEX's database, sample pulps and an option to acquire 75% of 16 Rein claims dating from 1976. Prospecting led to the discovery of the TB Showing, a thin bed of pyrite-vaesite which assayed 2.06% Ni with elevated Mo, Au and platinum group elements (PGE). In 1995, Blackstone re-analyzed 2,195 soil pulps from the Rein area and staked 178 more Rein claims to cover the TB Showing and strong, coincident, stratigraphically-controlled Ni-Mo-Zn-As geochemical anomalies. A geological mapping, prospecting and soil sampling conducted by Blackstone in 1996 led to the discovery of pyrite-vaesite mineralization at the DM Showing and defined extensive Ni-Mo-Zn-As-Pd soil anomalies on the TB and MM grids and ridge spur lines on the east claim block. Ni-bearing secondary mineralization was discovered on the MM grid in the footwall of a bedded barite horizon.

The 1997 exploration work consisted of drilling 12 BTW holes totalling 587 metres from nine widely spaced sites. The drilling was targeted at the DM and TB showings and the extensive Ni-Mo-Zn-As-Pd soil anomalies on all three claim blocks. The drilling program was highlighted by the discovery of two Ni-bearing horizons situated above and below the bedded barite on the MM grid. These zones were intersected in two holes, REN97-07 and REN97-08. The highest grade mineralization, 1.41% Ni over 5.3 metres in hole REN97-08, is hosted in an extremely fossiliferous unit within a larger carbonaceous black shale unit which has a distinct baritic, nickeliferous and phosphatic signature. A similar black shale unit hosts the Ni mineralization beneath the barite horizon. Hole REN97-07 returned a weighted average of 0.26% Ni over 6.09 metres, and this hole did not contain the Ni-rich fossil bed. It is likely that this fossiliferous bed has pinched out between these two holes, but bedding sub-parallel thrusting is present, suggesting the possibility that it has been faulted off. Further studies have indicated that the nickel species in this hole is an unidentified sulphide mineral.

The 1998 exploration program comprised extending the MM soil geochemical and geological grid to the west, property-scale mapping and prospecting on the claims staked in late 1997, closely-spaced diamond drill testing of the MM mineralization and additional wide-spaced testing of its projection onto the extended MM soil grid. Reconnaissance mapping and prospecting has traced several structural repetitions of the prospective mineralized stratigraphic horizon, with associated anomalous nickel-molybdenum-arsenic-zinc geochemistry, throughout the property. Drill testing in 1998 confirmed the presence of this mineralized horizon over a 450 metre strike length in the MM grid area, as well as identifying this horizon in the MM extension area 1500 metres further to the west. However, nickel

values encountered in this drilling were of a markedly lower tenor than encountered in the two 1997 discovery holes.

The Rein property hosts stratiform Ni-Mo-Zn-Au-PGE mineralization with metal suite, mineral textures and stratigraphic environment very similar to a newly-described class of high-grade, high-tonnage, poly-element deposits. The mineralization at the TB, DM, and MM showings (contained in holes REN97-07 and 08) appear to occupy a similar stratigraphic position in the Lower Earn Group. Further studies have contrasted the more typical pyrite - vaesite mineralization at the TB and DM showings with Fe-Ni-Zn carbonate mineralization in REN97-08 and unidentified sulphide mineralization in REN97-07. The REN97-08 intersection was deposited under oxidizing conditions and is related to the development of a fossiliferous, carbonate bioherm, while the REN97-07 intersection, 180 metres to the west, was deposited under reducing conditions. Although mineable thicknesses of nickel mineralization are present, grades have thus far been shown to be inconsistent and generally low in this extensive stratigraphic horizon.

1.0 INTRODUCTION

The Rein property is situated in the Taiga Basin, a shale sub-basin at the northwestern extremity of the Selwyn Basin, covering 2,200 square kilometres of west-central Yukon and centred 95 kilometres northeast of Dawson on the Dempster Highway (Figures 1a and 1b). In 1994, Blackstone Resources Inc. acquired proprietary data and sample pulps from regional exploration programs carried out over the Taiga Basin from 1975 to 1977, along with an interest in 16 Rein claims dating from that time.

Reconnaissance prospecting around the existing Rein claims by Blackstone Resources in 1994 led to the discovery of a massive pyrite - vaesite bed within black shale which assayed 2.06% Ni (TB Showing), in addition to several widely-spaced soil samples which also returned highly anomalous nickel, molybdenum and zinc values. A geological mapping, prospecting and soil geochemical program was carried out by Blackstone Resources in 1996, which led to the discovery of similar pyrite-vaesite mineralization at the DM showing, and defined extensive Ni-Mo-Zn-As-Pd soil anomalies on the TB and MM grids and ridge spur lines on the east claim block. Anomalous rock geochemistry of the same was found associated with barite horizons at the MM grid. In 1997, Blackstone Resources Inc. conducted an exploration program on the Rein property consisting primarily of wide-spaced diamond drill holes. Significant drill intersections were encountered in the MM grid area, including REN97-07 with a weighted average of 0.26% Ni over 6.09 metres and REN97-08 with 1.41% Ni over 5.3 metres.

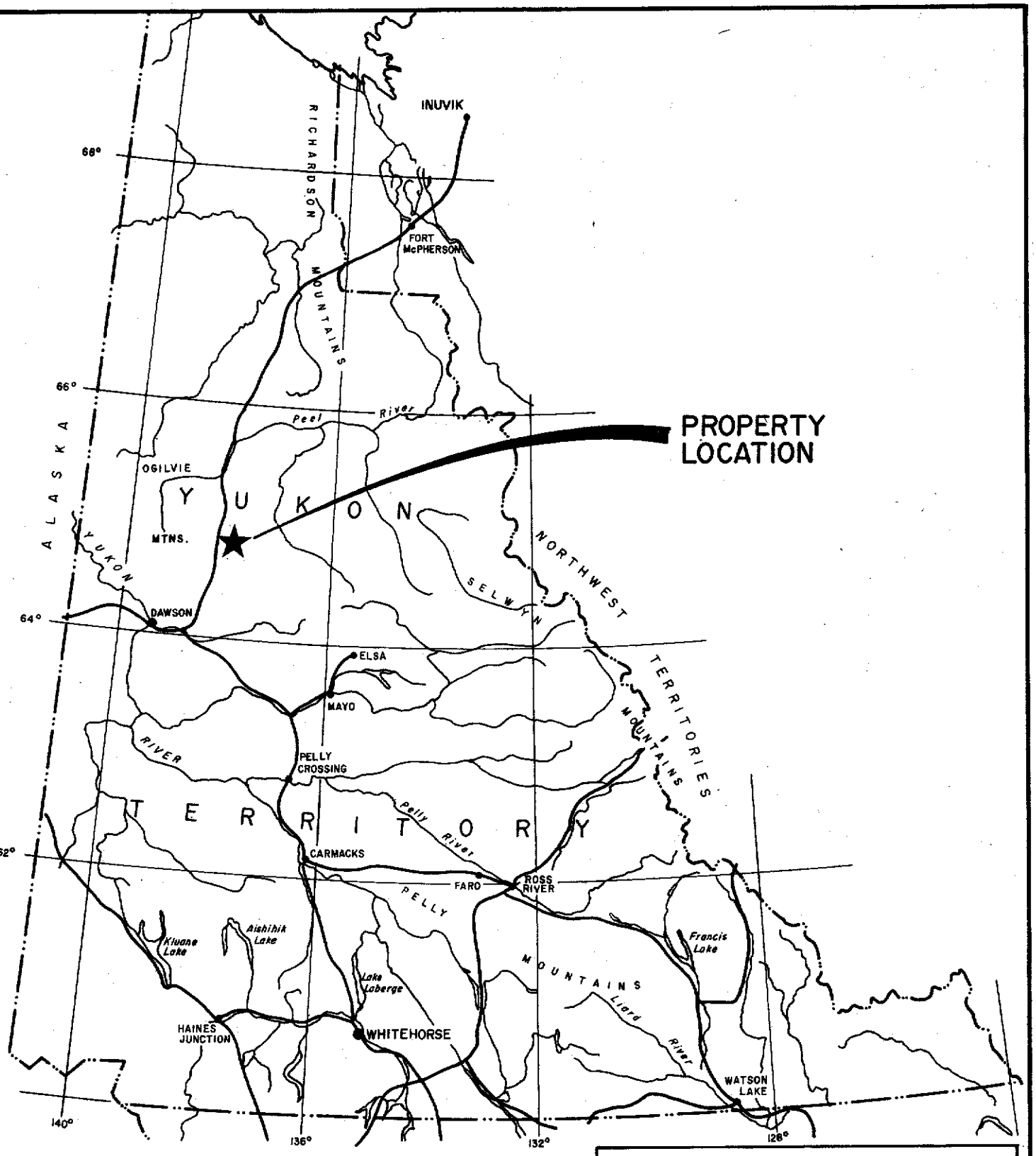
In late May to early July of 1998 Blackstone Resources Inc. carried out an ambitious exploration program to follow-up on the results of the 1997 program and evaluate an expanded land position. This included reconnaissance-scale geological mapping of the newly-staked claims, geological mapping and soil sampling of an extension to the MM soil grid, and step-out and down-dip diamond drilling in the MM Grid area and wide-spaced diamond drilling in the MM grid extension. This work was carried out by Equity Engineering Ltd., which has also been retained to report on the results of the fieldwork.

2.0 LIST OF CLAIMS

The Rein property comprised 1043 contiguous claims prior to the commencement of the 1998 exploration program. Due to financial constraints and the results of this year's program, the majority of the claims staked in 1997 have been allowed to lapse. The claims are located in the Mayo Mining District (Figure 2). New claim maps have not yet been issued for the Mayo Mining District, and, therefore, the claim map utilized for Figure 2 retains the claims which have lapsed. Claim data for the Rein property is summarized in Table 2.0.1. The expiry dates listed are subject to approval of assessment work covered by this report.

TABLE 2.0.1
CLAIM DATA

Claim Name	Grant Number	No. of Claims	Record Date	Expiry Date
Rein 9	YA05733	1	July 14, 1976	December 31, 2004*
Rein 11, 12	YA05735, 36	2	July 14, 1976	December 31, 2004*
Rein 27	YA05751	1	July 14, 1976	December 31, 2004*
Rein 29	YA05753	1	July 14, 1976	December 31, 2004*
Rein 35-40	YA05759-64	6	July 14, 1976	December 31, 2004
Rein 49, 50	YA05773, 74	2	July 14, 1976	December 31, 2004
Rein 60	YA06488	1	August 27, 1976	December 31, 2004
Rein 62	YA37922	1	August 14, 1976	December 31, 2004
Rein 76	YA73920	1	August 14, 1976	December 31, 2004*
Rein 100-257	YB44359-516	158	May 10, 1995	December 31, 2004*



BLACKSTONE RESOURCES INC.

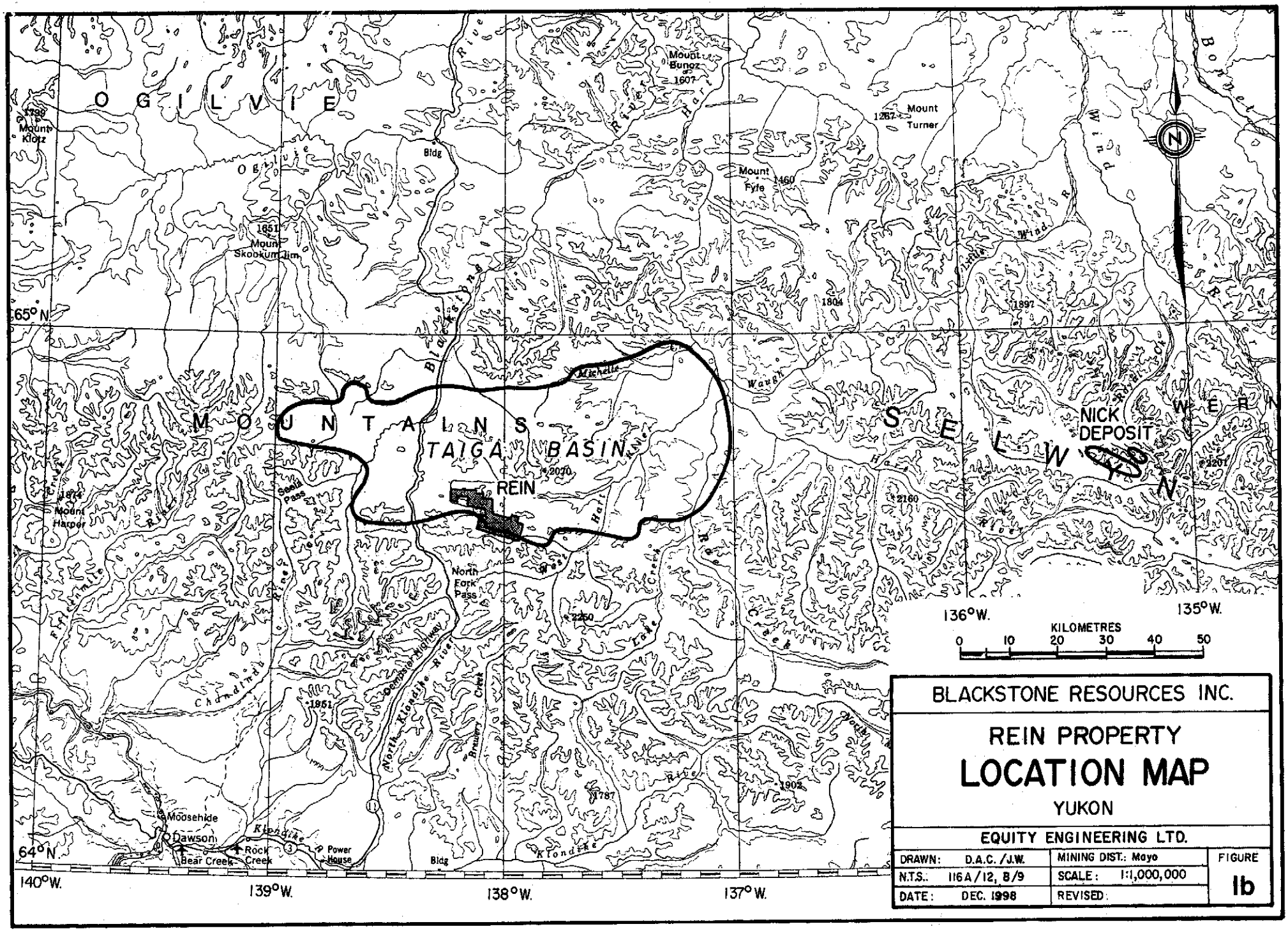
REIN PROPERTY

PROPERTY LOCATION MAP

YUKON

EQUITY ENGINEERING LTD.

DRAWN: J.W./D.A.C.	MINING DIST.: Mayo	FIGURE
N.T.S.: 116A/12, 8/9	SCALE: 1:5,000,000	1a
DATE: DEC. 1998	REVISED:	



BLACKSTONE RESOURCES INC.

REIN PROPERTY
LOCATION MAP
YUKON

EQUITY ENGINEERING LTD.

DRAWN: D.A.C. /J.W.	MINING DIST.: Mayo		FIGURE
N.T.S.: 116A/12, 8/9	SCALE: 1:1,000,000		1b
DATE: DEC. 1998	REVISED:		

TABLE 2.0.1 (Continued)
CLAIM DATA

Claim Name	Grant Number	No. of Claims	Record Date	Expiry Date
Rein 258-277	YB44517-36	20	May 10, 1995	December 31, 2004*
RC 29-33	YB9023-27	5	October 27, 1997	October 27, 2000*
RC 41-48	YB99035-42	8	October 27, 1997	October 27, 2000*
RC 77-82	YB99070-75	6	October 27, 1997	October 27, 2000*
RC 109	YB99102	1	October 27, 1997	October 27, 2000*
MC 26	YB99188	1	October 27, 1997	October 27, 2000*
MC 28	YB99190	1	October 27, 1997	October 27, 2000*
MC 30	YB99192	1	October 27, 1997	October 27, 2000*
MC 31	YB99193	1	October 27, 1997	October 27, 2000*
MC 51	YB99213	1	October 27, 1997	October 27, 2000*
MC 52	YB99214	1	October 27, 1997	October 27, 2000*
		220		

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Rein property is located in the Puddingstone Range of the Ogilvie Mountains of west central Yukon, centred 95 kilometres northeast of Dawson (Figures 1a and 1b). The area is centred at 64° 42' north latitude and 138° 05' west longitude.

Topography in the area of the Rein property is gentle to moderate, with local areas of more rugged terrain. Elevations range from 915 metres along Lomond Creek to over 1800 metres on an unnamed peak south of the Rein claim block. The area is mostly above tree line, covered by alpine grasses and shrubs. Scrub spruce is found at lower elevations along Lomond Creek. The Rein claims lie 6 to 21 kilometres east of the Dempster Highway. Outcrop exposure is variable depending on steepness of terrain; the tracing of lithological units may be accomplished by mapping felsenmeer exposures exposed along mountain ridge and spurs. Permafrost is developed in poorly drained north facing slopes and in valley bottoms covered by thick moss accumulations.

The area has a continental climate with low levels of precipitation and a wide temperature range. Summers are typically pleasant with long daylight hours whereas winters are long and may be extremely cold. Most of the snow cover will have disappeared by the start of June and may return by the middle of September.

The 1998 exploration was conducted from a helicopter-serviced base camp located in the Lomond Creek valley (7181300N, 636680E). Mobilization and demobilization was carried out from a gravel pit along the Dempster Highway, near Two Moose Lake.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

The Rein property was staked as a result of a regional exploration program conducted by the Blackstone Joint Venture. The Blackstone Joint Venture was formed in 1975 by Union Miniere Explorations and Mining Corporation Limited (UMEX), the operator, and Shell Canada Resources Ltd., to explore 26,000 km^2 of the west-central Yukon (Figure 1b). In 1975 and 1976, UMEX carried out regional silt sampling from selected parts of the joint venture area. The 1975 work was targeted at sedimentary copper (Zambian Copperbelt-type), stratiform zinc-lead (Sullivan-type) and Mississippi Valley-type deposits within windows of Proterozoic sediments to the east and west of the Taiga Basin (Dyson, 1975). The emphasis in 1976 shifted to Paleozoic Road River and Earn Group strata, searching

for shale-hosted zinc+lead±barite deposits similar to those being discovered elsewhere in the Selwyn Basin. UMEX collected 5,836 silt samples in 1976, mostly from the Taiga Basin, and analyzed them for copper, lead and zinc; every third sample was analyzed for uranium. Soil grids were established on the Rein and Shay claims; the new Rein claims cover a portion of the lapsed Shay claims. A total of 692 soil samples were collected at this time and analyzed for lead and zinc.

The 1977 Blackstone JV exploration within the Taiga Basin focused on the belt of zinc geochemistry and barite occurrences extending 23 kilometres east from the Rein to the Shay claims. UMEX took 3,848 soil samples from this belt, generally at 61 metre (200') intervals along lines 305 metres (1000') apart, identifying extensive zinc anomalies generally without correspondingly elevated lead values. These claims were mapped at a scale of 1:16,000, and reconnaissance EM-16 and horizontal loop EM surveys were completed on the Rein claims. No stratiform sphalerite or galena was found; the widespread stratabound hydrozincite was attributed to surface precipitation of zinc leached by groundwater from background concentrations in black shales (Burgoyne, 1977).

With the Taiga Basin's potential for sedimentary exhalative zinc-lead mineralization down-graded, UMEX's exploration emphasis shifted towards the Rein barite occurrences as a potential source for drilling mud. Initial studies on the grade and marketability of the barite were carried out in 1977. Following trenching and detailed sampling programs in 1978 (Burgoyne and Tolbert, 1978), the property was optioned to Milchem Incorporated of Houston, Texas. In late 1979 and early 1980, Milchem did trenching, road building and percussion drilling (21 holes; 906m) on the barite showings. In 1981, the barite showings were re-examined and sampled by Dome Petroleum Limited. No further work was recorded by the Blackstone Joint Venture. Their Taiga Basin claim groups were all allowed to lapse except for 16 Rein claims.

The East Barite and part of the Cliff Barite showings, adjacent to the Rein claims, were staked by Getty Mining Pacific Limited in 1976 to cover zinc, copper and uranium stream sediment anomalies. Getty performed soil and rock geochemical sampling in conjunction with geological mapping in 1976 and 1977. All their claims have lapsed.

The 16 Rein claims, UMEX's database and several thousand silt, soil and rock sample pulps from the Blackstone JV were purchased by Major General Resources Ltd. in 1989. Placer Dome acquired an option on the database, and geochemically analyzed every third silt sample for gold and a suite of elements. Placer Dome subsequently relinquished their option and returned the database to Major General.

Blackstone Resources Inc. optioned the Rein claims in 1994, acquiring the Blackstone JV database and pulps in return for a back-in right on new claims. Blackstone carried out one day's mapping and prospecting on the Rein property in July 1994, taking 30 rock samples and 9 soil samples. One of the rock samples, taken from pyritic black shale, assayed 2.06% Ni with 454 ppm Mo, 35 ppb Au, 120 ppb Pt and 58 ppb Pd (TB Showing). The soil samples, taken along 2.5 kilometres of strike length below and above a baritic horizon, returned highly anomalous nickel, molybdenum and zinc values (Baknes, 1995).

Recognizing a common metal assemblage and strong similarities in mineral textures and stratigraphy to the Nick stratiform Ni-Zn-Au-PGE deposit located 100 kilometres to the east, Blackstone selected 2,195 soil and 62 rock pulps from UMEX's library for 32-element ICP analysis in early 1995. No analysis could be made for Pd-Pt values for these pulps due to a lack of sample material. In May 1995, Blackstone staked an additional 178 Rein claims on the basis of strong Ni-Mo-Zn-As soil anomalies and UMEX's geological mapping.

In 1996, an exploration program consisting of geological mapping, prospecting and soil sampling was conducted over a three week period in June and early July. Soil sampling was conducted on three grids (the MM, RF, and TB Grids) with samples taken 25 metres apart on crosslines spaced 100 or 200 metres apart. Nine ridge soil lines were sampled at 50 metre spacings over the Shay and Shyne Grids

as a check on the 1995 reanalyses and to evaluate the Au-Pt-Pd potential of these two grids. A total of 101 rock samples were collected in the course of the geological mapping and prospecting. This program resulted in the discovery of pyrite-vaesite mineralization at the DM showing and defined extensive Ni-Mo-Zn-As-Pd soil anomalies on the TB and MM grids, and along the ridge soil lines on the eastern claim block (Caulfield, 1997).

Blackstone carried out a program of diamond drilling in 1997. It consisted of twelve holes totalling 586.7 metres (1925') drilled from nine sites on the MM barite occurrence, the TB and DM showings, and on the eastern part of the claim block. Significant nickeliferous sulphide and Fe-Ni-Zn carbonate drill intersections were encountered at the MM barite occurrence, including 1.41% Ni over 5.3 metres in REN97-08 (Caulfield, 1997a). Subsequent to this program, an aggressive program of staking was conducted in October of 1997 to cover favourable stratigraphy in a belt stretching 38 kilometres from west to east. A detailed petrographic, analytical, and paleontological study (Ross, 1998) was commissioned to determine the characteristics of the nickel mineralization and its relationship to a fossiliferous horizon.

5.0 1998 EXPLORATION PROGRAM

The 1998 exploration program comprised reconnaissance-scale and detailed geological mapping, prospecting, soil sampling and diamond drilling during a six-week period from late May to early July. The objective of the mapping was to provide control for drilling and to identify favourable horizons for Ni-Mo-Zn±Au mineralization on the expanded land package. Reconnaissance-scale mapping was conducted at a scale of 1:10,000, while detailed mapping was conducted at scales of 1:1000 and 1:5000 for the MM grid and MM extension areas, respectively. The soil sampling expanded the MM soil grid coverage 2.4 kilometres to the west to cover the Cliff and Ridge barite occurrences and trace potential mineralized zones. Additional grab soil samples were collected as a prospecting tool, in conjunction with the reconnaissance mapping program, to aid in the identification of potentially mineralized areas.

Soil samples were collected, where possible, from "B" and "C" horizon material at depths ranging from 5 to 30 cm and placed in labelled kraft envelopes. The sample sites are marked in the field by blue and orange flagging and tyvek tag, or by pickets in the case of the grid baseline. All grid lines were slope corrected, with hip-chained crosslines, and a hard-chained baseline. Grid lines were oriented true north-south (using magnetic declination of 29° 23' east) and coordinates were tied into the existing MM grid coordinate system. Crosslines were spaced 200 metres apart and samples were collected at 50-metre spacings on the crosslines and baseline. Additional infill soil samples were collected from crosslines spaced 100 metres apart and/or at 25-metre spacings. The sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography, including the presence of permafrost. Samples were partially air dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. The samples were analyzed for gold, barium by a triple acid digestion and atomic absorption, and 32 elements by ICP. All samples, including rock and core were shipped via Frontier Freightlines Ltd. and Points North Transportation Inc. to Chemex. A complete set of results for gold, barium and 32 elements by ICP geochemistry forms Appendix G. Overlimit samples for zinc were assayed.

A total of 54 rock samples were collected from the Rein property during the course of the program. Field locations are marked by metal tag and a combination of pink and blue flagging. Samples were shipped to Chemex Labs for analysis for the same metal suite as the soil samples. Overlimit copper, lead and zinc results were assayed. Rock sample descriptions, analytical procedures and complete results are included in Appendix D and G.

A total of 832.2 metres of BTW core were drilled on the Rein property in 1998; 495.7 metres from nine holes at eight sites in the MM grid area and a further 336.5 metres from five holes at four sites in the MM Grid Extension area. All core was logged by Jason Weber and drill logs are attached in Appendix E. The core was split and analyzed for Au, Ba by x-ray diffraction, and 32 elements by ICP

geochemistry (Appendix G). Overlimit Au and Zn results were also assayed. All core, including the 1997 core was stored in covered core racks at the camp site. Drilling was efficiently carried out by Falcon Drilling Ltd., of Prince George, B.C., using their F-1000 fly drill. Camp mobilization and support, crew set-outs, and drill support were facilitated with a Bell JetRanger 206B based in the camp and provided by Trans North Turbo Air Ltd. of Whitehorse, Y.T.

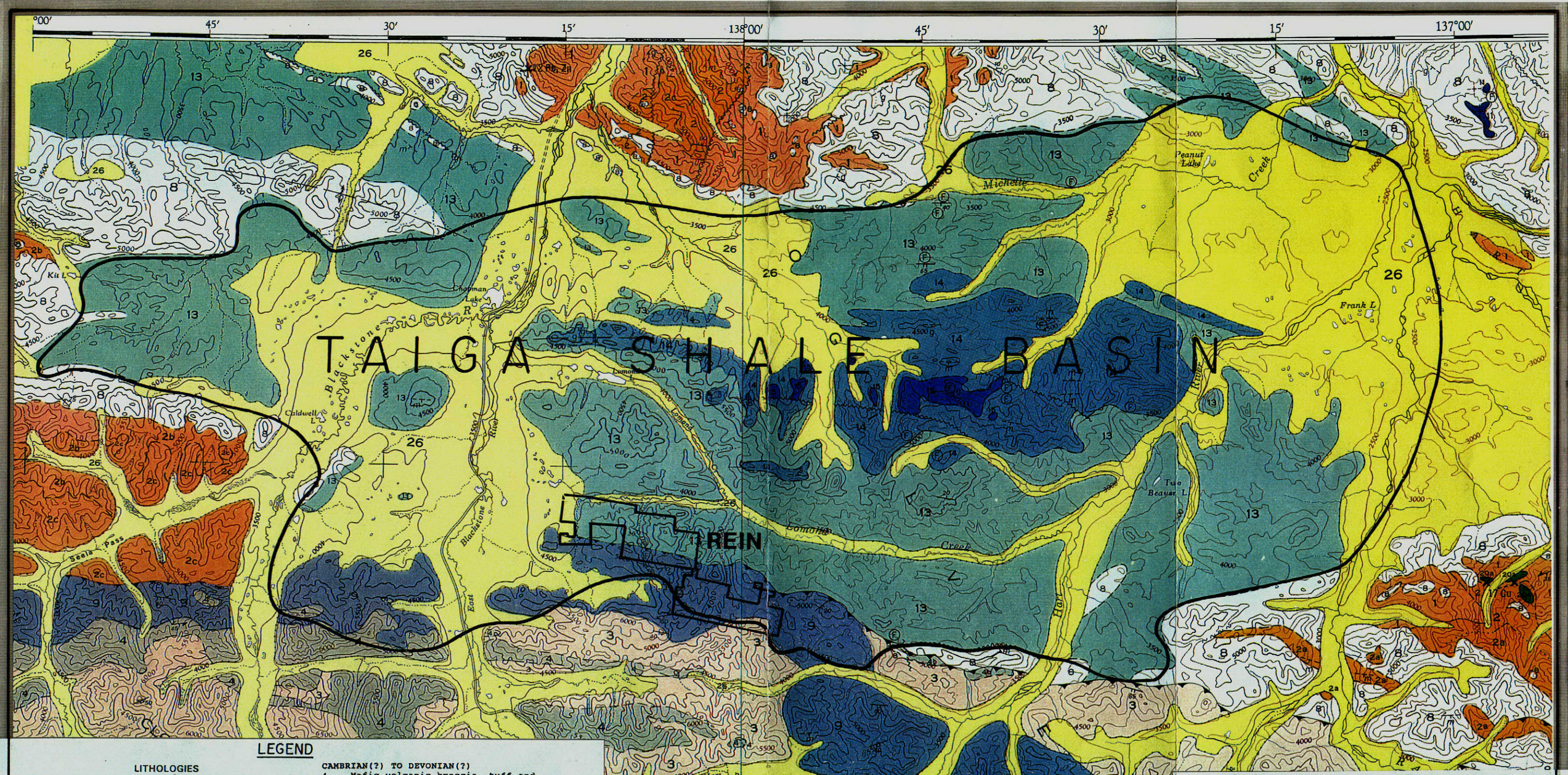
6.0 REGIONAL GEOLOGY

Reconnaissance geological mapping of the Dawson and Larsen Creek 1:250,000 map sheets (116A,B) was carried out by the Geological Survey of Canada from 1961 to 1966 (Green, 1972). The most recent government mapping was released in 1995 by R. I. Thompson and others of the Geological Survey of Canada (Open File 2849). Their work included mapping of twelve 1:50,000 sheets on 116A and 116B, including the Rein area on 116B/9. Their mapping shows very little detail in the Rein area and there are inconsistencies between fossil identification (Devonian dates) and the assignment of these rock units to the Ordovician-Silurian Road River Group. Therefore, the earlier 1972 map was used as a base for Figure 3. Regional mapping by DIAND at 1:50,000 scale of map sheets 116A/10 and 116A/11 confirms Green's mapping, correlates his units to nomenclature used elsewhere in the Yukon and demonstrates much more complex imbricate thrust faulting than previously recognized (Abbott, 1993; Abbott and Roots, 1993a,b). In the western part of the map, there is a transition from the Mackenzie Platform shelf sequence to the north and off-shelf sediments of the Selwyn Basin to the south (Figure 3). The shelf sequence consists of Middle Proterozoic through Middle Paleozoic clastic, carbonate and volcanic rocks; the off-shelf sequence comprises Late Proterozoic to Middle Paleozoic clastic and volcanic rocks. In the Rein area, both the underlying Ordovician platformal carbonates and overlying off-shelf or basinal rocks clastics are preserved north of the Dawson Thrust, unconformably overlying Proterozoic strata to the north, east and west. Cambrian strata were probably removed by erosion. In the Rein area and the western part of the map area, the two assemblages are separated by the Dawson Fault, the most prominent of a series of northerly-directed thrusts produced by Mesozoic compression. Thompson and Roots (1982) suggest that the Dawson Fault may have been a reactivated extensional fault, citing the abundance of Early to Middle Paleozoic mafic volcanics along it. The Taiga Shale Basin is a 30 x 90 kilometre, Ordovician to Mississippian clastic sub-basin of the Selwyn Basin, located within the shelf sequence and bounded to the south by the Dawson Fault.

The oldest stratigraphic units in the region are Proterozoic Wernecke Supergroup shelf assemblage strata, consisting of dolomite-dominant lithologies (**Unit 2**) of the Gillespie Lake Group and siliciclastics (**Unit 1**) of the Quartet and Fairchild Lake groups. These units have been penetrated by specular hematite-bearing breccias hosting Cu-Co-Au mineralization, and cut by mafic sills and dykes. Exposures of these rock types are found north, east and west of the Taiga Basin. The Wernecke Supergroup shelf strata are unconformably overlain by Late Proterozoic grits, limestone and shale of the Fifteenmile Group (included on Figure 3 within Units 1 and 2). Slivers of Late Proterozoic Windermere Group dolomitic diamictite and siliciclastics have also been included in Unit 2.

South of the Dawson Fault, **Unit 3** comprises Late Proterozoic and Early Cambrian grits, limestones and shales of the off-shelf Hyland Group. In the vicinity of the Taiga Basin, **Unit 4** contains mafic volcanic units of Cambrian to Ordovician (or possibly Devonian) age (Abbott, 1993).

North of the Dawson Fault, thick-bedded Ordovician to Silurian dolostone (**Unit 8**), locally with thin mafic tuff horizons, is regionally extensive and forms prominent outcrops. It is conformably overlain by recessive, black, graptolitic shale and chert of the Ordovician-Silurian Road River Group (**Unit 9**). Portions of Unit 13 have also been re-mapped as Road River Group by Abbott (1993). The Road River strata are similar on both sides of the Dawson Fault: blue-grey weathering, noncalcareous shales with thin beds of black to dark grey chert and argillaceous chert. Further north in the Taiga Basin, the Road River is characterized by black calcareous shale. Fossil identification by Thompson et al (1992) has yielded Ordovician dates for the Road River Group. Mafic sills and volcanics are intercalated with, or overlie, the Road River Group shales near the Dawson Fault; they may be diachronous with the mafic



LEGEND

LITHOLOGIES

QUATERNARY

26 Unconsolidated glacial and alluvial deposits

PERMIAN

15 *Tahkandit Formation* Chert, cherty limestone and limestone

MISSISSIPPIAN TO PERMIAN

14 Thin- to medium-bedded limestone; minor black shale, chert and chert pebble conglomerate

MIDDLE DEVONIAN TO MISSISSIPPIAN

13 *Earn Group* Black shale, argillite, slate, platy limestone, chert; minor chert pebble conglomerate and quartzite

ORDOVICIAN AND SILURIAN

9 *Road River Formation* Interbedded black chert and black argillite; minor grey-green chert, grey-green argillite, quartzite and chert pebble conglomerate.

8 Dolomite and limestone, mostly medium- to thick-bedded; minor platy black argillaceous limestone and dolomite

CAMBRIAN(?) TO DEVONIAN(?)

4 Mafic volcanic breccia, tuff and agglomerate; minor interbedded shale, chert, siltstone and limestone

LATE PROTEROZOIC TO EARLY CAMBRIAN

3 *Hyland Group* Gritty quartzite, sandstone and quartz-pebble conglomerate; shales and slates; schistose quartzite, quartz-chlorite schist, quartz-mica schist and phyllite; minor limestone and black chert

MIDDLE PROTEROZOIC

WERNECKE SUPERGROUP

2 *Gillespie Lake Group* Platy, grey-green dolomite, dark slate; minor phyllite and quartzite

1 *Quartet Group* Thin-bedded argillite, slate and phyllite; minor quartzite, dolomite and conglomerate

Geology adapted from Green (1972).

093986

KILOMETRES
0 5 10 15

BLACKSTONE RESOURCES INC.

REIN PROPERTY

REGIONAL GEOLOGY

093986 Dwg ①

EQUITY	Date DEC. 1998	Scale 1:250,000	Figure 3
	U.T.M. Zone 7,8	Mining Dist. MAYO	
	N.T.S. 116B/9, 116A/12	State/Prov. YUKON	

sills in Unit 8, fifteen kilometres to the north (Abbott, 1992).

Recessive, poorly exposed, light brown to blue weathering chert, silver-blue siliceous shale, black shale, sandstone and minor chert grit (**Unit 13**) have been tentatively correlated to the Devono-Mississippian Earn Group by Abbott (1992). Near Lomond Lake, Unit 13 is capped by a laterally extensive band of chert pebble conglomerate. Fossil age dating (Thompson et al, 1992) in the Rein area of rocks mapped by Green (1972) as Earn Group (and Road River Group by Thompson) yielded an Eifelian age. The Earn Group is conformably overlain by 700 metres of Mississippian to Permian limestone with minor chert pebble conglomerate, chert, shale and quartzite (**Unit 14**), followed by thick-bedded limestone and chert of the Permian Tahkandit Formation (**Unit 15**).

7.0 PROPERTY GEOLOGY AND MINERALIZATION

Geological mapping in 1998 was conducted at scales of 1:1000 in the MM grid area to provide control for diamond drilling (Figure 8), 1:5000 in the MM extension area (Figure 6), and at 1:10,000 for reconnaissance-scale mapping (Figures 4 and 5). Selected areas of the Rein property that were mapped at 1:10,000 during the 1996 program are included in Figures 4 and 5. The following has been abridged from the 1996 Rein report (Caulfield, 1997) and supplemented by the 1998 mapping. Table 7.0.1. lists the map units, their descriptive elements and correlation to Green's (1972) map units.

TABLE 7.0.1
STRATIGRAPHIC COLUMN

Middle to Upper Devonian

Lower Earn Group

DLEu (Green Unit 13) Upper member - chert, cherty argillite, chert pebble conglomerate, barite: red and yellow ochre stained, silvery grey outcrops

- chert and cherty argillite are thin to medium-bedded, wavy to planar bedded, distinctive thin shaley interbeds, may contain thin limy lenses
- pebble chert conglomerate caps upper member, forms black resistant outcrops; thick massive bedded with interbeds of light grey siltstone and sandstone

DLEba Barite horizon: resistant light grey outcrops, bedded, up to 30 m thick, fetid, carbonaceous (up to 25% organic carbon) and calcareous, may contain spherical rosettes of barite at base of section, laminated at top, X-ray and thin section studies by UMEX indicate a mineralogy of barite, baritocalcite, calcite and carbonaceous matter

- the Ni-sulphide horizon correlates stratigraphically with this unit
- nickel-bearing, baritic, carbonaceous shale encountered above and below the barite in 1997 drilling on the MM grid included with this unit

DLEl (Green Unit 12) Lower member - argillite, calcareous shale and siltstone, limestone and chert: intensely fractured, weather dark grey-olive brown, may have ribbed weathered surface due to thin-bedded, rhythmic section of alternating calcareous shale-argillite and siliceous argillite-chert units; an overall decrease in carbonate content up section, strong gypsum, calcite and hydrozincite coatings; abundant tentaculites, styliolina fossils noted by UMEX

- upper section is comprised of interbedded siliceous black shale and chert containing peculiar limestone and limey barite balls up to 1.0 m in diameter

Dmv (Green Unit 20?) mafic volcanic, diorite: brown weathering, blocky fractured

- dark green, volcanic unit mapped north of the thrust at eastern end of eastern Rein claim block
- medium-grained, dark green gabbro to diorite outcrop noted east of Rein claims in 1995

TABLE 7.0.1(Continued)
STRATIGRAPHIC COLUMN

CONFORMABLE CONTACT

Ordovician to Silurian
Road River Group

ORsh (Green Unit 9) shale: dark grey to black, papery thin to platy, calcareous and carbonaceous, exposed along the West Creek, contains graptolites

UNCONFORMABLE CONTACT - DAWSON THRUST

Upper Proterozoic and Lower Cambrian
Hyland Group

PCHph (Green Unit 3) laminated phyllitic siltstone and shale: alternating light to medium grey with patchy rust stained exposures, foliated

PCHmv (Green Unit 20?) mafic volcanic: light brown weathering, blocky fractured, light green, fine- to medium-grained, amygdaloidal, pillowed, nonmagnetic, trace pyrite

- pseudo-concretions of argillite and limestone noted by UMEX

Units ORsh and DLEl do not outcrop well, with exposures found along creek cuts and steeper slopes; the contrasting competencies of their lithologies have caused intense fracturing during thrusting. Unit DLEu, being more siliceous, caps many of the ridges. The chert-pebble conglomerate forms distinctive craggy hoodoos, examples of which are exposed at the top of the cirque at the eastern end of the Rein property. Units DLEba, Dmv, PCHmv and PCHph are noted by their colouration or fracturing patterns. Unit PCHmv has been classified as part of the Hyland Group due to its apparent location within foliated sedimentary strata of this group. However, the close association of this unit with thrust structures and the lack of any structural fabric are unusual, perhaps suggesting that the volcanic unit may be younger. It is the association of these mafic flows with the Dawson thrust which led Thompson and Roots (1982) to believe the Dawson Thrust is a re-activated rift structure.

Detailed stratigraphic sections were not measured although some general observations can be made. First, the proportion of chert pebble conglomerate in unit DLEu shows a general increase to the east. The thickness of Unit DLEl, as determined by UMEX in the West Creek stratigraphic section (Figure 4), is approximately 90 metres. Barite of Unit DLEba varies from centimetre scale laminations to 30 metres thick. The thickest sections of bedded barite are found at the RF, MM, Ridge and Cliff showings and on a ridge at approximately 640 000 mE and 7176 000 mN. Diamond drilling on the MM grid has shown the presence of a previously unrecognized, soft, black carbonaceous shale unit on top of the barite horizon. The unit is characterized by its high nickel, phosphorus and barium values and the unusual presence of baritic limestone balls and fossil-rich beds. On the basis of these features and its stratigraphic position, this unit has been included in Unit DLEba. Petrographic and paleontological studies (Ross, 1998) have postulated that this fossil-rich bed represents a bioherm that developed about a low-temperature, metalliferous, sulphate-bearing vent. The thickness of units DLEu, ORsh and PCHph are not known as neither the tops nor bottoms of these units were mapped.

The difficulty in mapping on the Rein property is in differentiating the clastic and carbonate rocks of units ORsh, DLEl and DLEu. Table 7.0.2 lists the diagnostic features used to distinguish the three units.

TABLE 7.0.2
DIAGNOSTIC FEATURES OF UNITS ORsh, DLEl and DLEu

	ORsh	DLEl	DLEu
Weathering characteristics	Papery thin to platy, dark grey to black	Intensely fractured, dark grey to olive brown	Silvery grey with red and yellow ochrous staining
Presence of hydrozincite, gypsum, calcite coatings on fractures	Present	Abundant	Rare
Calcareous component	Yes	Yes, although decreasing in upper part of section	None observed
Chert pebble conglomerate	None observed	None observed	Yes
Fossils	Graptolites	Tentaculites, styliolina	None observed
Limestone or barite balls	None observed	Barite and limestone balls at top of section, UMEX noted calcareous concretions at bottom of section	None observed

Fossil identification for unit DLEl on the Rein property constrains the lower limit for the age of Ni-sulphide and barite mineralization on the Rein property to an Eifelian age (Green, 1972; Thompson et al, 1992). No fossils were identified for the hanging wall strata (DLEu) in the immediate area of the Rein property, however, fossils collected from the lower part of Unit 13 (or DLEu), 25 km north-northeast of the Rein property at Michelle Creek, provided a lower Middle Devonian age (Eifelian) (Green,1972). Therefore, the age of Rein Ni-sulphide mineralization is most likely Eifelian (380-387 Ma). Preliminary age determinations for conodonts extracted from limestone balls in the immediate footwall of the mineralization at the Nick property (Hulbert et al., 1992) suggests a Givetian-Frasnian (367-380 Ma) age, a somewhat younger age than that found at the Rein property. Conodonts extracted from a Ni-sulphide bed on the Peel River are Eifelian in age (Goodfellow et al., 1996). Graptolite-and conodont-bearing strata of unit ORsh have returned Llanvirnian age (468-478 Ma), or Middle Ordovician, putting this unit within the Road River Group (Thompson et al, 1992).

The Rein property is affected by a series of east-west trending, south-dipping, thrust faults (Figures 4 and 5). The southernmost of these, the Dawson Thrust Fault, juxtaposes Hyland Group strata against the Paleozoic Road River and Earn groups of the Taiga Basin. Smaller displacement thrust faults to the north generally thrust incompetent units ORsh and DLEl over more competent unit DLEu. This has resulted in as many as ten repetitions of the favourable DLEl-DLEu stratigraphic contact on the Rein claims. The thrust faults are not well exposed; their presence was largely inferred from stratigraphic relations. Where observed, as, for example, on the eastern side of the claim block they are marked by up to 30 metres of shearing and contorted folding grading outwards to relatively undisturbed rocks. The thrust faults are accompanied by east-west trending open folds and north-south fractures. Although there are a number of stratigraphic repeats, there is no evidence that the strata is overturned as a result of tight folding.

7.1 Mineralization

Four types of mineralization had been identified previously on the Rein property: (1) extensive hydrozincite coatings on units ORsh and DLEl, (2) quartz-calcite-barite veining including quartz-sulvanite, barite-pyrite, quartz-tetrahedrite and quartz-calcite-sphalerite-galena veining, (3) vaesite-pyrite stratiform massive sulphides and (4) bedded barite. In 1994, prospecting sample 596656 was taken from a thin bed of sulphide-bearing shale (TB Showing) near the northwest end of the Rein property (Figure 4). The discovery sample assayed 2.06% Ni and 5.52% organic C along with 454 ppm Mo,

>10,000 ppm P, 35 ppb Au, 120 ppb Pt and 58 ppb Pd. In 1996, the discovery sample site was found and re-sampled over its 45 centimetre width, returning 84 ppb Au, 340 ppb Pt, 160 ppb Pd, 2330 ppm As, 853 ppm Mo, 3.58% Ni, >10,000 P and 202 ppm Zn (#44365). The lens reaches a maximum thickness of 45 cm but pinches over 1.5 metres.

A second occurrence (DM Showing) of Ni-sulphide mineralization was found 450 metres south of the TB Showing on the east bank of West Creek (Figure 4). The Ni-sulphide horizon reaches a thickness of 6.0 cm, with geochemical values of 100 ppb Au, 560 ppb Pt, 244 ppb Pd, 2770 ppm As, 1635 ppm Mo, >10,000 P, 136 ppm Zn and 5.21% Ni assay. At this showing and other occurrences on the Rein property, the presence of nickel is marked by green annabergite ($Ni_3(AsO_4)\bullet 8H_2O$), or nickel bloom.

Further Ni-sulphide mineralization was discovered in 1996 on the MM grid in two different structural panels. In the upper panel at the east end of the grid (#44381-383) and in the lower panel (#44393, #44394), the Ni occurrences are very similar to those at the TB and DM showings, though metal values were lower overall. At both locations, the zone has been strongly weathered and no sulphides were seen, which may account for the lower values. Through the central part of the grid, a rusty layer spotted with annabergite occurs at the lower contact of the barite bed with a calcareous shale exhibiting limestone and barite balls. This horizon was sampled at four different locations (#44385, #44388, #44390, #44391) returning elevated gold, PGE's, Ni, Mo, As and Zn at each sample site. The elevated zinc at all of the MM grid occurrences distinguishes these from the low zinc values at the TB and DM showings. It was postulated that there may be a second Ni-bearing horizon above the barite, as limestone balls and anomalous soil geochemistry occur up slope from the barite bed (Caulfield, 1997). The presence of an upper Ni-bearing horizon was substantiated by holes REN97-07 and REN97-08. Stratigraphic sampling of the RF Showing in 1996 also indicated the presence of two Ni horizons.

Fine-grained, disseminated and framboidal pyrite was noted in concentrations up to 7% in the lower part of unit DLEu on the RF grid, not far above where the Ni-sulphide layer should occur. Sampling in 1996 failed to return anomalous Ni, Mo or PGE values (#44369, #44375, #3901). One sample (#3868), taken within unit DLEu, did return weakly anomalous PGE's (8 ppb Au, 5 ppb Pt, 14 ppb Pd) with no corresponding enrichment in Ni, Mo, and Zn, although As (164 ppm) and P (>10,000) are elevated. In 1997, similar pyritic material was discovered in cherty units of DLEu in holes REN97-01 and REN97-02 and in a creek cut south of the 1997 drill camp (#3909-3911, Figure 4). In the drill holes and in surface samples, anomalous PGE and phosphorus values were encountered with no particular enrichment in Ni and Mo. From hole REN97-02 and the three surface samples, there appears to be a zone of anomalous Zn ± Pb higher in the pyritic sequence.

On the east side of the TB grid, the area of anomalous Pb-Zn soil geochemistry on the south part of L5600E was examined to find the source of the anomalous soil geochemistry. No definitive source for the geochemistry was found despite reasonable rock exposure in the area. The area is underlain by intensely fractured unit DLEl which has been shown to be anomalous throughout the Rein property. In the area, rare quartz-sulvanite veining was noted as well as more abundant quartz-calcite veining. Although no Pb-Zn sulphides were identified in these veins, it may be that these veins contain Pb-Zn mineralization similar to a calcite vein with sphalerite and galena found on the east side of the creek in 1996.

In 1996, two Ni-bearing samples (#3856 - 2990 ppm, #3857 - 2320 ppm) were collected 600 metres south of the DM Showing. This year, an examination of the sample locations revealed the samples were taken from a fault structure (010°/80°W) cutting siliceous shale and limestone of unit DLEl. Green, presumably Ni-bearing, secondary minerals coat the fault surface.

The MM Barite occurrence forms a distinctive, resistant, light-grey weathering, laterally continuous series of cliff-forming outcrops in gullies along a stratigraphic DLEl - DLEu contact. Typically, this bed is rusty weathering adjacent to its upper and lower contacts with a bluish-grey core. It is east-northeast striking, moderately south-dipping and extends 600 metres along this contact before pinching

out. Thickness of this unit, which is a limestone bed replaced by barite, is highly variable, ranging from two to sixteen metres thick over 15 metres laterally in REN97-05, and -06. In this area the baritic limestone is offset by a number of north-northwest to north-northeast striking, steeply dipping, right-lateral faults. Textures of this baritic limestone range from finely to coarsely recrystallized calcite to well-bedded with local shaley interbeds and limestone or barite balls. The baritic limestone is commonly brecciated by gypsum±barite veinlets. This brecciated texture is particularly prevalent between holes REN97-07 and -08. Barite replaces the calcite as small accumulations of radiating crystals, minute inclusions and within the aforementioned veinlets.

The Cliff Barite occurrence outcrops on an east-facing cliff-face approximately 1.3 kilometres west of the MM barite occurrence. It has also been exposed by a series of drill access roads running across this cliff. This occurrence also occurs at the DLEu - DLEl contact and consists of an approximately ten- to twenty-metre thick, southeast-dipping body that dips moderately to the southwest. Texturally, it ranges from a dark grey, well-bedded, grey shaley limestone with common wavy, soft sediment deformational features to a lighter grey, laminated, locally recrystallized limestone, each of which are overprinted by later gypsum(?) brecciation, as at the MM barite occurrence.

Lying 750 metres northwest of the Cliff Barite at the head of an east-flowing creek is the Ridge Barite occurrence. Marked by several trenches and drill access roads, it outcrops for approximately 220 metres across this ridge and strikes southeasterly with a moderate to steep dip to the southwest and locally overturned dipping steeply to the north. It consists of a fetid, dark to light grey limestone that can be massive to well-laminated to coarsely recrystallized. Shaley interbeds are common within the limestone and the immediately overlying and underlying shales are often highly carbonaceous and baritic with local mudstone breccias present. This occurrence has also been brecciated by gypsum±barite veinlets as at the MM Barite occurrence. Traces of annabergite were noted in the hanging wall of the Ridge Barite and a sample of carbonaceous, baritic shale (#312012) contained 315 ppm nickel.

The Dolly Creek area lies three kilometres southeast of the MM Grid, hosting a one kilometre long DLEl - DLEu contact. The area is notable for the presence of chert balls, as opposed to limestone, within the DLEl cherts and shales. The sediments here are locally baritic, containing up to 21.3% Ba, but with only background quantities of Ni, Zn, Mo and other base metals. However, grab soil samples taken across this contact indicate Ni-Mo-Zn-Au mineralization. A grab soil sample just below this contact contained 574 ppm Ni, 129 ppm Mo, 2520 ppm Zn, 64 ppm As, 5200 ppm Ba and 25 ppb Au. A grab soil line further below this contact with abundant chert balls in an area of thrusting returned maximum values of 957 ppm Ni, 84 ppm Mo, 1.67% Zn, 9,000 ppm Ba, and 9.2 g/t Ag (#98MJS-050). Calcite-sulvanite-volborthite veining with hydrozincite is also present in this area, returning 2940 ppm Cu and 4070 ppm Zn (#312078).

A zone of baritic DLEu and DLEl sediments was sampled approximately 800 metres northeast of the MM Barite occurrence. The baritic sediments, separated from the MM Barite occurrence by a thrust fault, have been traced along 300 metres of this DLEl - DLEu contact, containing 13.8% Ba, 53 ppm Mo, and 25 ppb Au with background levels of Ni and Zn.

In the eastern part of the Rein Property the DLEl - DLEu contact has been structurally duplexed by thrust faulting. A DLEl - DLEu contact has been discontinuously traced six kilometres to the east from drill holes REN97-10, -11 in the lower plate of the Dawson thrust. Although rock sampling at this contact failed to return anomalous values, with the exception of sample #312100 (a grab sample of a barite vein that contained 32.6% Ba and 1645 ppm Zn), grab soil samples attest to the likelihood of Ni-Mo-Zn-Au mineralization. Grab soil sample #98MJS-055, located below the DLEl - DLEu contact, contained 10 ppb Au, 176 ppm As, 1155 ppm Ni, 2.52% Zn, 190 ppm Mo, 373 ppm Cu and 7600 ppm Ba. This contact has been repeated by an east-trending thrust fault that lies immediately to the north. In the lower plate of this thrust fault, grab and chip samples of structurally hammered DLEl cherts and shales at the DLEl - DLEu contact indicate Ni-Mo-Zn-Au mineralization. Chip sample #312082 returned values of 10 ppb Au, 397 ppm Ni, 248 ppm Mo, 2820 ppm Zn, 460 ppm As, and 211 ppm Cu with

0.14% Ba from DLEl black chert with a ferricrete band.

The Pika Barite showing, located approximately eight kilometres southeast of the MM grid, is comprised of a 15 metre-thick section of bedded barite and baritic shale with minor non-baritic interbeds. This horizon, lying at the DLEl - DLEu contact and immediately above a limestone ball horizon, is only exposed in a creek cut, but can be traced in sporadic outcrop over 2.4 kilometres. Gossanous dioritic sills have also been mapped in the immediate vicinity of this occurrence. However, rock sampling at this occurrence returned only background levels of Ni-Mo-Zn-Au. A soil grid with crosslines perpendicular to the trend of this barite occurrence, yielded a 1200 metre long zinc anomaly with discontinuous nickel anomalies stretching over 2.0 kilometres in, possibly, two horizons. The tenor of these anomalies are somewhat weaker than those on the MM and MM Extension grids with peaks of 497 ppm Ni and 4450 ppm Zn. The southern limits of this grid are marked by anomalous gold geochemistry, as defined by the 15 ppb Au contour. There is a moderate correlation of gold values with copper (125-250 ppm) and their proximity to the diorite-bearing cliffs that form the southern boundary of the grid suggests that the diorite sills may be the source of this gold-copper anomaly.

8.0 SOIL GEOCHEMISTRY

The 1998 soil sampling program represents the fifth generation of soil sampling over the Rein property. UMEX collected 4,540 soil samples from their Rein, Shay and Shyne Grids in 1976 and 1977, analyzing all of them for lead and zinc, and the Rein samples for barium as well. In 1994, nine reconnaissance soil samples were taken in the vicinity of the bedded barite (DLEba) and analyzed for Au, Pt, Pd and 24-element ICP (which did not include As). Following the discovery of nickel mineralization at the TB showing, and with the majority of the 1994 reconnaissance soil samples returning highly anomalous nickel, molybdenum, and zinc values, 2195 of the UMEX pulps (the 1976 Rein sample pulps were not available) were selected in 1995 and re-analyzed by ICP for 32 elements. There was insufficient material to analyze the UMEX pulps for Au, Pt and Pd. In 1996, soil geochemical grids were established over the TB Ni-sulphide showing, the RF Barite showing, and the nickeliferous 1994 reconnaissance soils (MM Grid). These samples were analyzed for Au, Pt, Pd, and for 32 elements by ICP. In 1998, the 1996 soil geochemical grid over the MM Barite showing was extended two kilometres to the west to cover the prospective DLEu - DLEl contact. The grid was extended along the 8600 N baseline with lines spaced 200 metres apart and samples spaced 50 metres apart. Samples were collected at 25-metre intervals in the vicinity of the DLEu - DLEl contact and infill lines at 100-metre spacings were run in areas of anomalous soil geochemistry. The results of the 1994 through 1998 Rein property soil sampling are tabulated below in Table 8.0.1.

TABLE 8.0.1
SOIL GEOCHEMISTRY PERCENTILES

	Ni (ppm)	Mo (ppm)	As (ppm)	Pd (ppb)	Zn (ppm)	Pb (ppm)	Ag (ppm)	Ba (ppm)
50th Percentile	60	19	22	4	210	12	1.0	2660
80th Percentile	243	61	44	10	1120	16	2.2	5200
90th Percentile	387	90	62	14	2200	22	3.6	8400
95th Percentile	540	119	82	20	4070	28	5.4	10,000
98th Percentile	776	163	114	30	8000	44	8.0	10,000
99th Percentile	939	194	148	36	1.10%	90	11.0	>10,000
Max. Value	1855	963	338	48	3.62%	5850	27.2	>10,000
N=	5711	5711	5711	1074	5711	5711	5711	2546

The most striking and consistent soil anomaly on the Rein property extends over the entire 3800 metre length of the MM Grid and Extension, following the twice, thrust-repeated contact between DLEl and DLEu as it trends westward and wraps around topography to the south (Figure 7). Highly anomalous Ni, Mo, Zn, As, and Ba geochemistry is directly related to exposures of the lower (DLEl) member of the Lower Earn Group. The stratigraphic contact between the lower and upper (DLEu)

members of the Lower Earn Group is host to barite and Ni-sulphide mineralization. This anomaly remains open to the west and northeast. Although most of this anomaly lies downslope of the upper DLEl - DLEu (-DLEba) contact, two of the anomalous 1994 samples (#94MMS-24, -25) were flagged, and presumably collected, upslope from the bedded barite.

Nickel and zinc anomalies correlate very closely due to their similar geochemical behaviour; as both are mobile in acidic environments (locally pyritic DLEu black shales), and are immobile, and precipitated, in an alkaline environment (calcareous DLEl and ORsh black shales). These anomalies are reflected by the presence of heavy hydrozincite coatings and traces of annabergite on rocks of these calcareous lithologies. Drilling has shown that the mineralized nickeliferous contact zone and the underlying DLEl shales have associated anomalous zinc values, although values in soils indicate strong secondary enrichment. In addition, the Ni-sulphide mineralization shows a close association of As with Pt, Pd and Au. The strength of all geochemical values indicates a long period of weathering and secondary enrichment uninterrupted by glaciation, which is also manifested in the strong and extensive hydrozincite development.

Lower metal values are associated with soils underlain by lithologies of the Hyland Group and unit DLEu. Anomalous Ni soil values also occur related to some of the mafic volcanic / intrusive outcrops, in particular on the Pika grid where copper and gold values are also elevated. Lead and zinc values are essentially unrelated as a result of the overall low Pb values throughout the survey area.

9.0 DIAMOND DRILLING

A total of 832.2 metres of BTW core was drilled on the Rein property in 1998; 495.7 metres from nine holes at eight sites in the MM Grid area and a further 336.5 metres from five holes at four sites in the MM Grid Extension (Figures 6 and 8). Drilling in the MM Grid area was severely hampered by poor ground conditions consisting of soft, broken ground with common siliceous intervals which resulted in zones of low and no recovery. These ground conditions prevented adequate testing of the favourable horizon in holes REN98-14, -18, -19, and -21. A summary of drill hole location and orientation data is tabulated below in Table 9.0.1. Drill holes are located by UTM coordinates although azimuths are relative to true north. Collar coordinates displayed with the MM Extension drill holes are soil grid coordinates. Analyses below detection are plotted on the sections as the negative of the detection limit and drill sections are displayed in Figures 9-20. Significant intersections are tabulated in Table 9.0.2.

Table 9.0.1
DRILL HOLE SURVEY DATA

Hole No.	Prospect	Location Northing	Coordinates Easting	Elevation (metres)	Azimuth (degrees)	Dip (degrees)	Length (metres)
REN98-13*	MM	7179835	637579	1369.2	000	-60	54.86
REN98-14*	MM	7179826	637544	1392.5	000	-60	34.20
REN98-15	MM	7179821	637399	1371.7	000	-70	72.54
REN98-16	MM	7179831	637547	1374.1	000	-70	60.05
REN98-17	MM	7179830	637325	1357.0	000	-70	93.57
REN98-18*	MM	7179839	637480	1370.7	000	-70	45.10
REN98-19*	MM	7179817	637436	1365.6	000	-70	20.42
REN98-20	MM	7179897	637226	1372.6	000	-70	71.32
REN98-21*	MM	7179809	637704	1380.6	000	-70	43.59
REN98-22	MM Ext	7180501	635590	1371.6	000	-70	67.97
REN98-23*	MM Ext	7179792	636089	1233.2	047	-70	20.12
REN98-24	MM Ext	7179792	636089	1233.2	047	-75	71.02
REN98-25	MM Ext	7180022	635796	1250.3	000	-80	82.30
REN98-26	MM Ext	7180150	635330	1350.0	000	-60	95.10

(* indicates hole lost)

9.1 MM Grid

REN98-13: Stepout hole east of REN97-08:

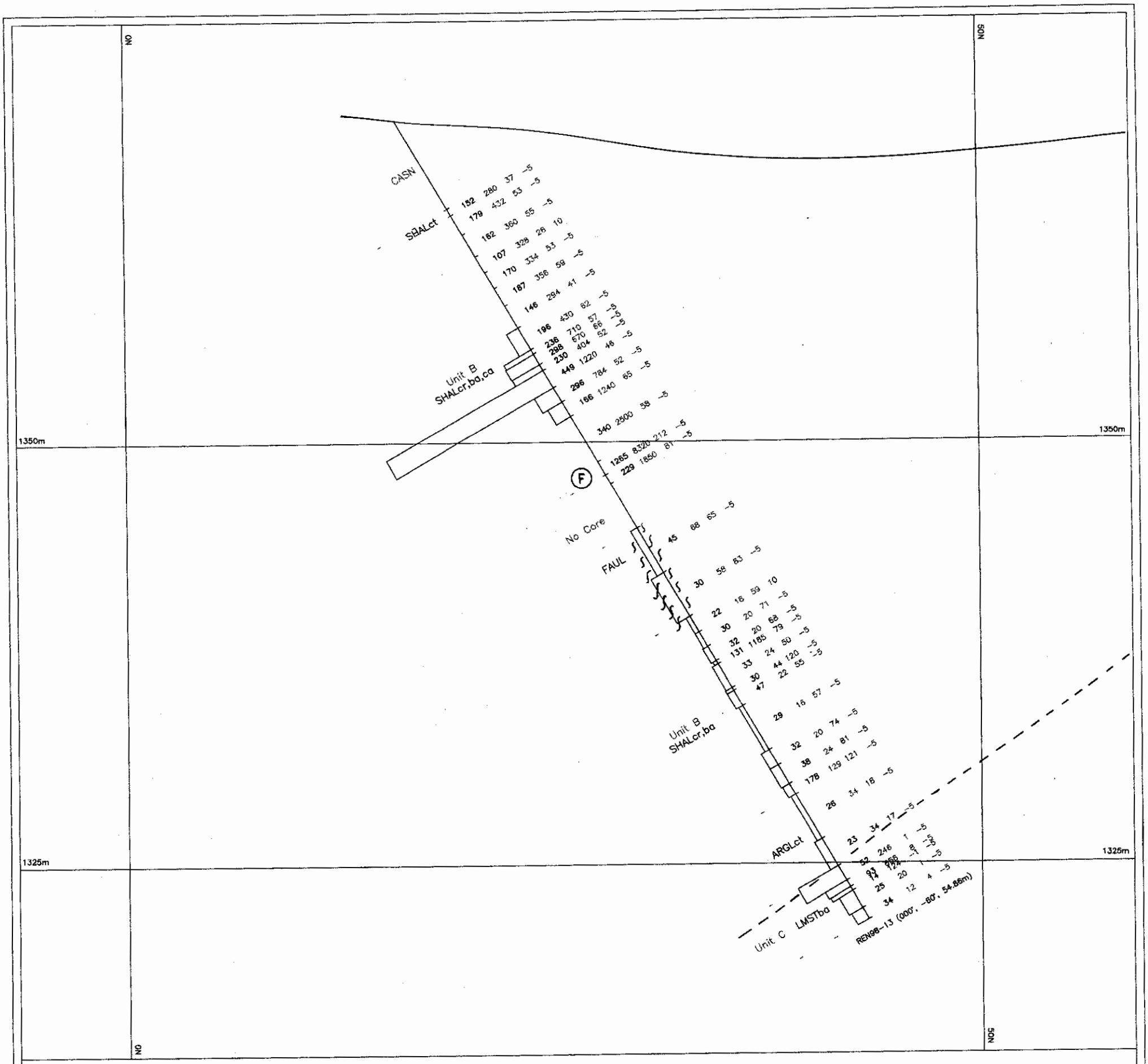
Hole REN98-13, designed to test the strike extent of the mineralization encountered in REN97-08 (50 metres to the west), collared in cherty shales of unit DLEu (Unit A) (Figure 9). Underlying this cherty shale, from 6.55 to 24.4 metres, is a carbonaceous, baritic, graphitic black shale (Unit B) that is very soft and friable with contrasting internal competencies. This zone returned anomalous nickel and zinc values that are associated with nickel- and zinc-bearing siderite and olive-brown and yellow patches of Fe- and Fe-Ni oxides. This weakly mineralized intersection, also host to a narrow, one to two centimetre fossiliferous horizon, is truncated by a fault zone. Underneath the fault zone is a soft, broken and friable black shale (Unit 2) that is graphitic and weakly baritic. These black shales overlie a grey to dark grey, bedded and recrystallized limestone (Unit 3) that has been variably replaced by barite, often as barite veinlets. There is abundant carbonaceous to graphitic material occurring as laminae or interstitial to clasts of limestone. This unit ranges from finely laminated near the top of the section to brecciated near the bottom of the section. This lower section features clasts of limestone in a shaley matrix, and the soft sediment deformational features in the shale suggests that these clasts were deposited into unconsolidated sediments. Drilling conditions prevented the hole from being advanced beyond the baritic limestone.

REN98-14: Step-back from REN97-08:

Hole REN98-14's objective was to test the extent of the REN97-08 intersection 25 metres down-dip, but the hole was lost before reaching the target horizons (Figure 10). This unit collared in a black, massive cherty argillite (Unit A) that overlies variably carbonaceous, graphitic, baritic, punky, and markedly phosphatic shales (Unit B) from 7.4 to 26.52 metres. A strong correlation exists between phosphorus and barium content in this section from 14.4 to 23.5 metres. The upper portion of this section is anomalous in nickel and zinc from 4.57 to 11.7 metres. Barite vein fragments with possible annabergite were noted within the sump at this site. The lower portion of this zone is a black, carbonaceous, calcareous shale with patchy olive green-brown oxidation and calcite-gypsum-Fe-carbonate veinlets with elevated nickel and zinc values from 23.15 to 26.52 metres.

Table 9.1.1
1998 SIGNIFICANT INTERSECTIONS

Hole No.	From (metres)	To (metres)	Interval (metres)	As (ppm)	Au (ppb)	Mo (ppm)	Ni (ppm)	Zn (ppm)
REN98-13	15.8	24.4	8.6	30	<5	73	415	2276
REN98-14	4.6	11.7	7.1	18	<5	30	168	1458
and	23.2	26.5	3.3	38	<5	86	319	1392
REN98-15	10.4	13.1	2.7	60	6024	24	249	1894
and	16.0	16.7	0.7	66	1436	36	155	1145
and	49.5	72.5	23.0	25	<5	62	221	1996
REN98-16	22.0	24.2	2.2	7	468	8	163	889
and	24.2	55.8	31.6	36	<5	53	287	1153
REN98-17	44.3	75.3	31.0	30	<5	66	215	1385
and	84.1	93.6	9.5	28	<5	61	204	1269
REN98-20	26.4	31.4	5.0	24	<5	67	238	378
and	48.6	71.3	22.7	21	<5	60	188	1593
REN98-22	7.0	68.0	61.0	24	<5	52	194	2684
REN98-24	59.3	71.0	11.7	36	8	81	265	3963
REN98-25	4.6	6.9	2.3	200	<5	136	1653	1176
and	7.6	82.3	74.7	29	<5	59	249	1835
including	37.5	82.3	44.8	33	<5	54	276	2781
REN98-26	3.1	44.5	41.4	28	18	41	130	499



LEGEND

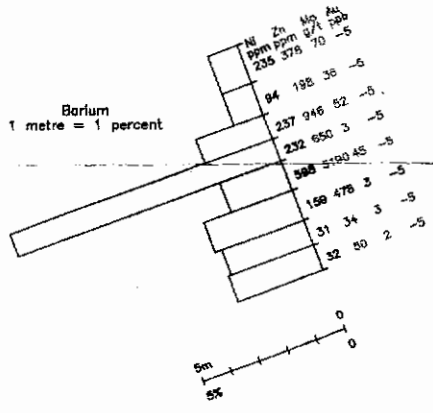
Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
~~SHBX~~	~~Shale Breccia~~
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

ba	baritic
ca	calcareous
ct	cherty
gy	gypsum
sd	siderite
~~bx~~	~~brecciated~~
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results



Stratigraphic Units

Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

UNIT B - SHAL/ARGLgr,ct - Graphitic Shale, Cherty Argillite: sooty, commonly punky and featureless, highly carbonaceous graphitic black shales to siltstones, often brecciated (primary sedimentary (?) brecciation), commonly baritic, locus for faulting, recessive, correlative with DLEu and DLEba.

UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

METRES
0 5 10 20

BLACKSTONE RESOURCES INC.

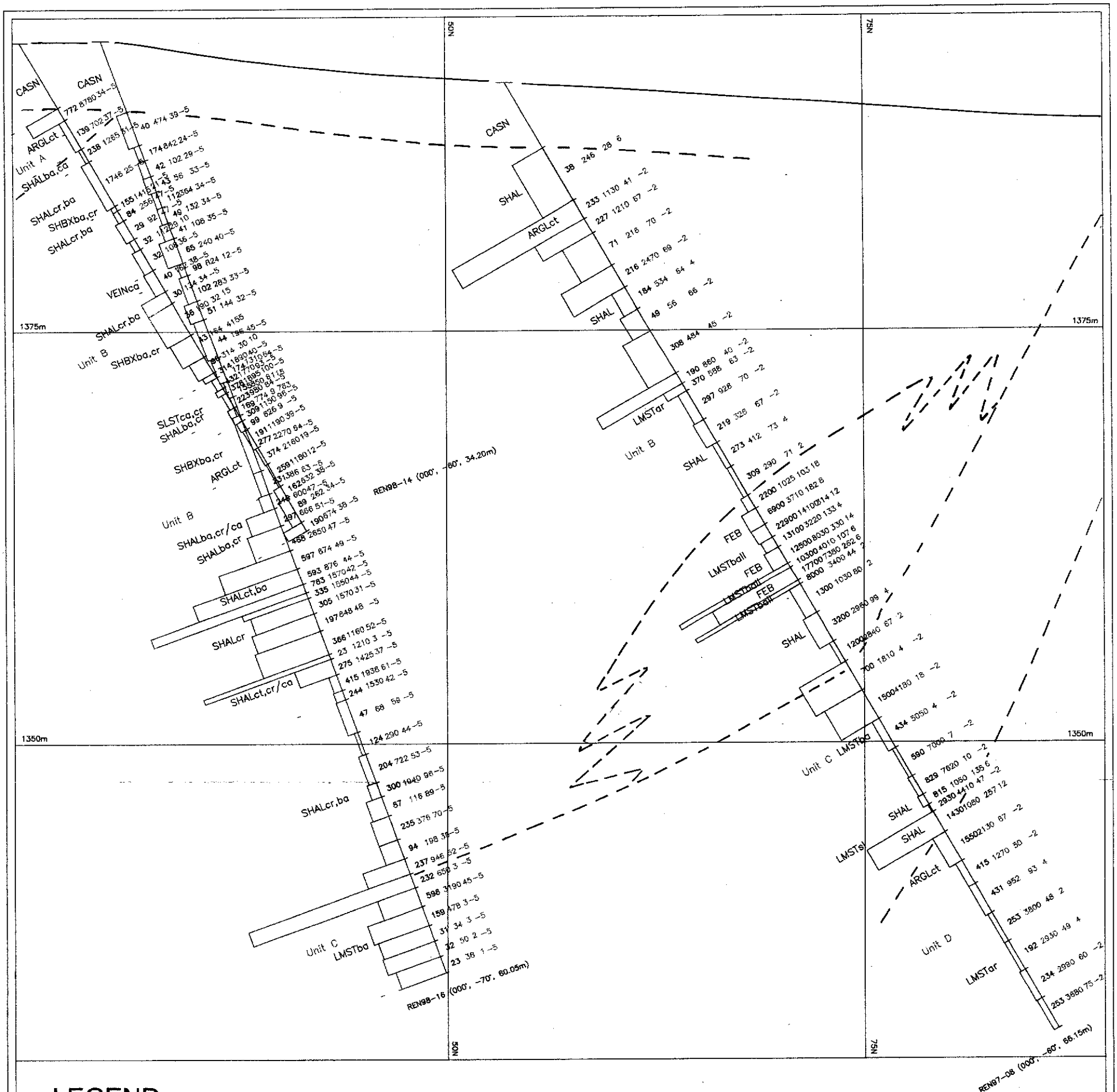
REIN CLAIMS

MM Grid

Drill Hole REN98-13

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 9
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

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ct	cherty
gy	gypsum
sd	siderite
bx	brecciated
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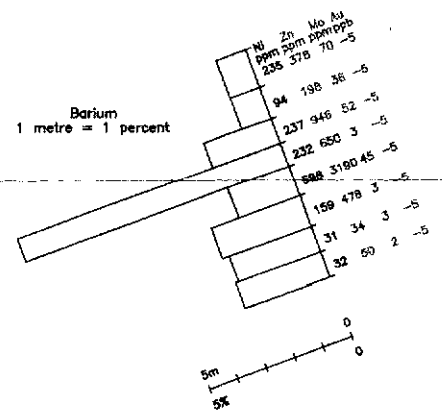
qz	quartz
si	siliceous

Geochemical Results



Stratigraphic Units

Middle to Upper Devonian Lower Earn Group

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METRES
0 5 10 20

BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

Drill Hole REN97-08, REN98-14, -16
(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 10
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	Status/Province: Yukon	

REN98-16: Step-back from REN97-08:

This hole was a second attempt to evaluate the down-dip extent of the REN97-08 intersection by collaring four metres north of REN98-14 at a dip of -70° (Figure 10). Hole REN98-16 collared into a black, carbonaceous, phosphatic breccia (Unit B), consisting of fragments of siliceous shale, limestone, gypsum, and unknown lithology contained in a soft, shaley matrix. Although its origin is not clear, this appears to be a fault breccia. A sooty, porous, carbonaceous, calcareous black siltstone (Unit B) with siliceous shale and argillite clasts or beds was encountered from 22.0 to 24.2 metres. This interval contains 468 ppb Au, enriched manganese and depleted molybdenum and is associated with weak jarosite development and calcite (dolomite?) veinlets. Immediately underlying this zone is a package of variably baritic, carbonaceous, siliceous black shale and siltstones (Unit B). This zone is locally brecciated, as above, and is commonly soft and sooty with low drill recoveries. This unit is anomalously mineralized throughout, and displays a negative correlation with phosphorus. Aside from minor intervals of olive-green-brown mottling (which may be Fe- and Ni-oxides or carbonates), calcite and Fe-carbonate veining, and jarosite development, there is little visible evidence for this metal enrichment. This hole encountered grey baritic limestone (Unit C) from 53.7 to 60.05 metres, which also occurs as interdigitating beds within the overlying black shales. Traces of annabergite were noted below the upper contact of this unit. Ground conditions precluded the advancement of this hole beyond this baritic limestone horizon.

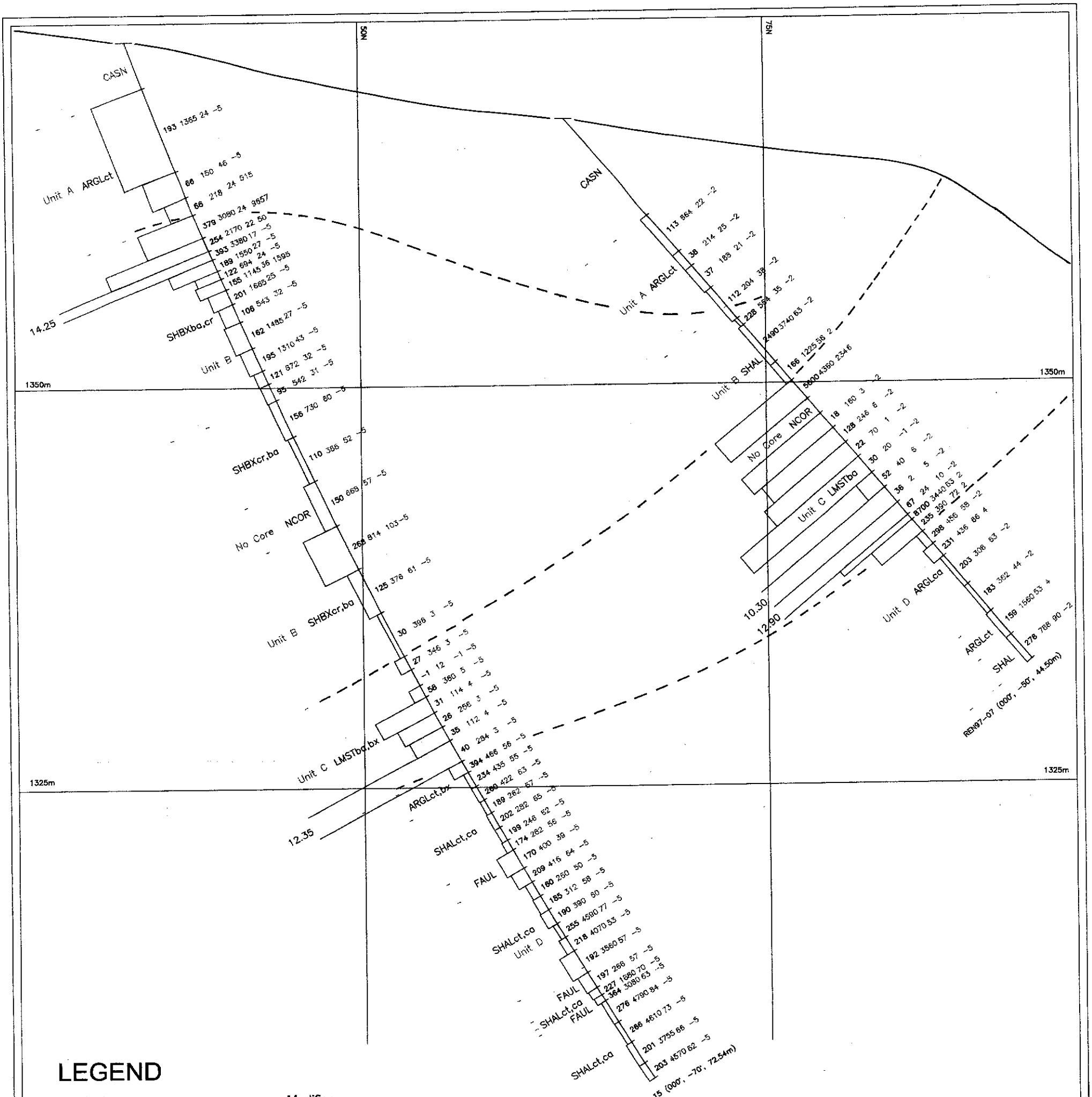
REN98-15: Step-back from REN97-07:

The objective of hole REN98-15 was to test the extent of the mineralization intersected in hole REN97-07, twenty-five metres down-dip (Figure 11). REN98-15 collared into a poorly recovered, rubbly, grey to black cherty argillite (Unit A). Underlying this cherty argillite is a breccia (Unit B) consisting of shale, calcareous shale, and siliceous-calcareous fragments in an incompetent, carbonaceous matrix with limestone balls. Like the similar interval in REN98-16, this appears to be a poorly lithified fault breccia. Traces of pyrite were noted and a significant amount of a white precipitate, most likely a sulphate, developed on the core after exposure to atmospheric conditions. These two intervals are host to significant gold mineralization returning uncut weighted averages of 6024 ppb Au, 4 ppb Pd, and 5.9 ppm Ag from 10.36 to 13.11 metres, and 1436 ppb Au, 8 ppb Pd, and 2.0 ppm Ag from 15.95 to 16.7 metres.

This breccia is underlain by fine- to medium-grained, fetid, brecciated baritic limestone (Unit C) from 42.6 to 49.5 metres. This limestone displays two phases of brecciation; the first consisting of limestone clasts in a calcareous shale to cherty argillite matrix (as in REN98-13), and a later phase of brecciation by calcite-gypsum-barite(?)-quartz veinlets. Magnesium contents indicate a dolomitic component to the limestone. This limestone overlies a matrix-supported, baritic cherty argillite (Unit D) with clasts of limestone. Distorted beds around clasts, and beds lapping onto clasts imply that the limestone clasts have tumbled into soft, muddy sediment. Underlying this argillite are intervals of cherty shale with calcareous laminae and traces of pyrite along bedding planes (Unit D) cut by narrow fault zones. The argillites and shales of Unit 4 are anomalous in nickel and zinc to the end of the hole. Traces of annabergite were observed immediately below the baritic limestone, and calcite veining was prevalent throughout the weakly mineralized zone.

REN98-17: Stepout west of hole REN97-07:

Hole REN98-17 was designed to test the strike extent of mineralization in REN97-07, 50 metres to the west (Figure 12). The hole collared into variably baritic, cherty argillites (Unit A), which are underlain by carbonaceous to graphitic, weakly baritic black shales (Unit B). These units overlie a baritic limestone (Unit C) that is cut by oxidized calcite veinlets and contains common argillaceous laminae. This limestone is commonly brecciated and has a sharp, but irregular lower contact. Underlying this limestone is a series of carbonaceous, variably calcareous and baritic black shales (Unit B). Common zones of rubble and poor recovery may reflect the presence of faulting. These black shales overlie black, calcareous, variably carbonaceous siliceous shales and cherty argillites of Unit A. The black



LEGEND

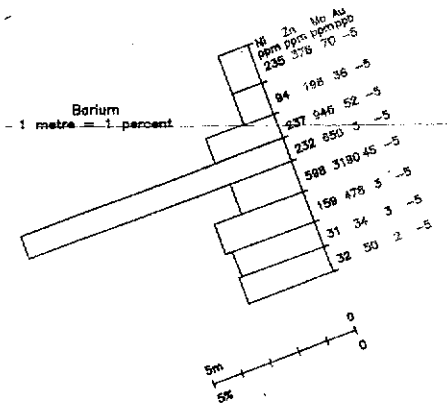
Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

ba	baritic
ca	calcareous
ct	cherty
gy	gypsum
sd	siderite
bx	brecciated
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results



Stratigraphic Units

Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

UNIT B - SHAL/ARGLgr,ct - Graphitic Shale, Cherty Argillite: sooty, commonly punky and featureless, highly carbonaceous graphitic black shales to siltstones, often brecciated (primary sedimentary (?) brecciation), commonly baritic, locus for faulting, recessive, correlative with DLEu and DLEba.

UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

METRES
0 5 10 20

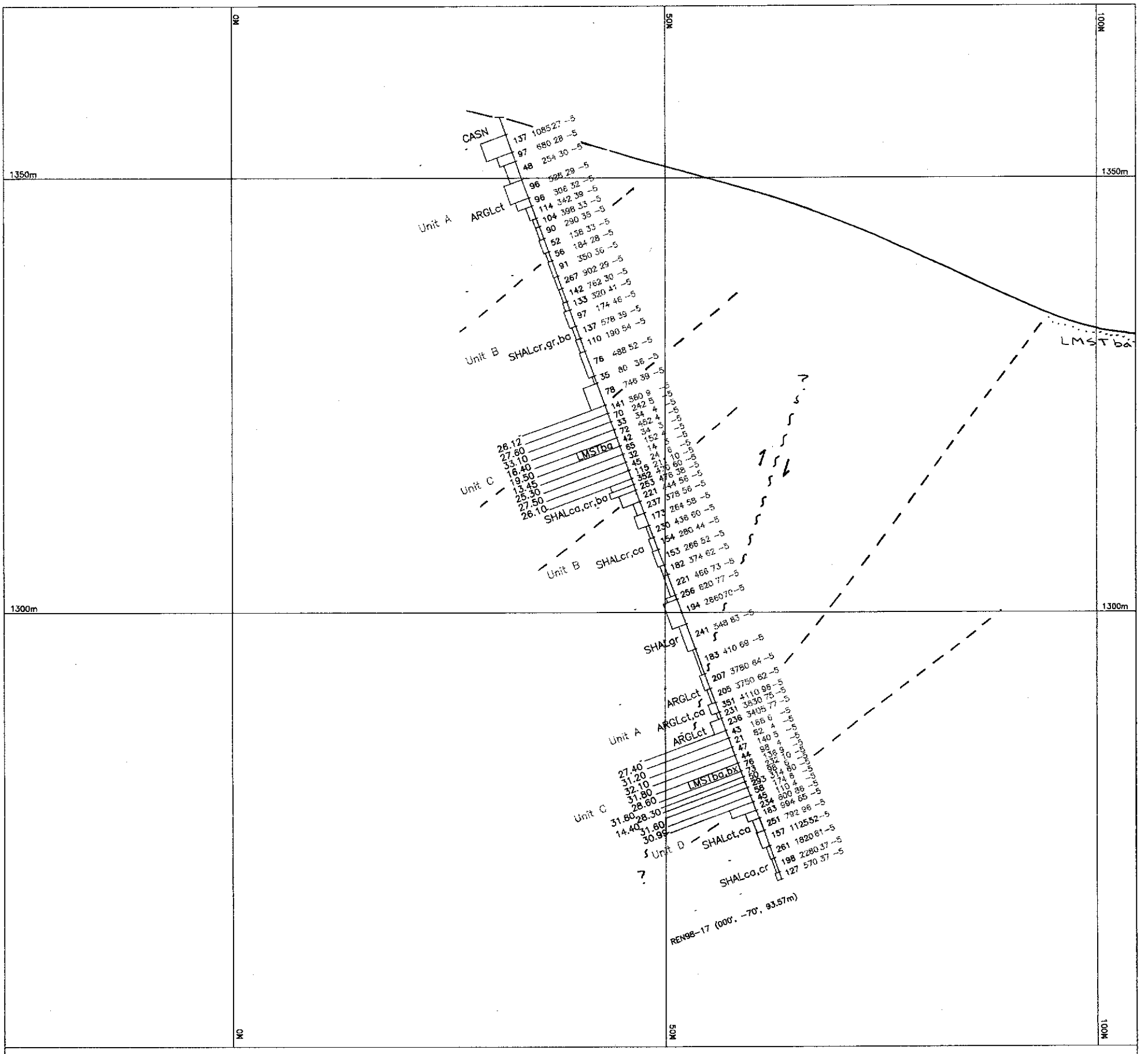
BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

Drill Hole REN97-07, REN98-15
(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 11
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 115 B/9	Province: Yukon	



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

ba	baritic
ca	calcareous
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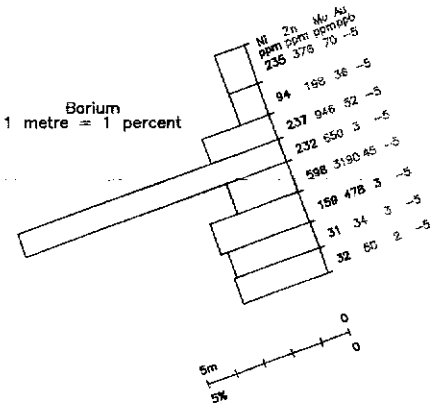
sd	siderite
bx	brecciated
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results



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metres

Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

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UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

Drill Hole REN98-17

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 500	Figure: 12
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	

shales and siliceous shales returned elevated nickel, zinc and vanadium values from 44.3 to 75.25 metres.

A second, heavily brecciated, markedly more baritic limestone horizon was intersected below the above shales, consisting of angular limestone clasts in an argillaceous matrix, and multiple horizons of argillite. Overall, this limestone unit is more argillaceous, has less abundant calcite veining, and a lack of lamination in comparison with other intersections of this unit. Although these upper and lower limestones are markedly different in texture and barite content and likely represent separate horizons, the texture and barite content of the baritic limestone varies laterally on surface and this lower limestone unit may represent a down-dropped portion of the limestone.

The lower limestone is underlain by carbonaceous black shales (Unit D) with variable proportions of cherty or calcareous horizons, and minor limestone balls, and are anomalous in nickel and zinc over 9.47 metres.

REN98-18: Stepout west of hole REN97-08:

The objective of this hole was to test the strike extent of the REN97-08 intersection 50 metres to the west, and collared into rubbly, poorly recovered cherty argillite (Unit A) (Figure 13). Underlying the cherty argillites are a series of carbonaceous shale breccias, cherty argillites, carbonaceous, locally baritic shales and cherty shales (Unit B). These units are underlain by finely laminated baritic limestone with zones of black argillaceous material containing baritic limestone clasts. Rein-suite metal values from this hole were uniformly low with the exception of a calcite-gypsum-quartz-siderite vein with annabergite and sphalerite that contained 281 ppm Ni and 2.62% Zn. This hole was abandoned when caving prevented the advancement of the hole and retrieval of the drill rod string.

REN98-19: Stepout east of hole REN97-07:

Hole REN98-19 was designed to test the eastern strike extension of the REN97-07 mineralization 50 metres to the east, but abrasive drilling conditions prevented adequate testing of this target (Figure 14). It intersected cherty argillites and shales of Unit A, and graphitic black shales and argillites of Unit B.

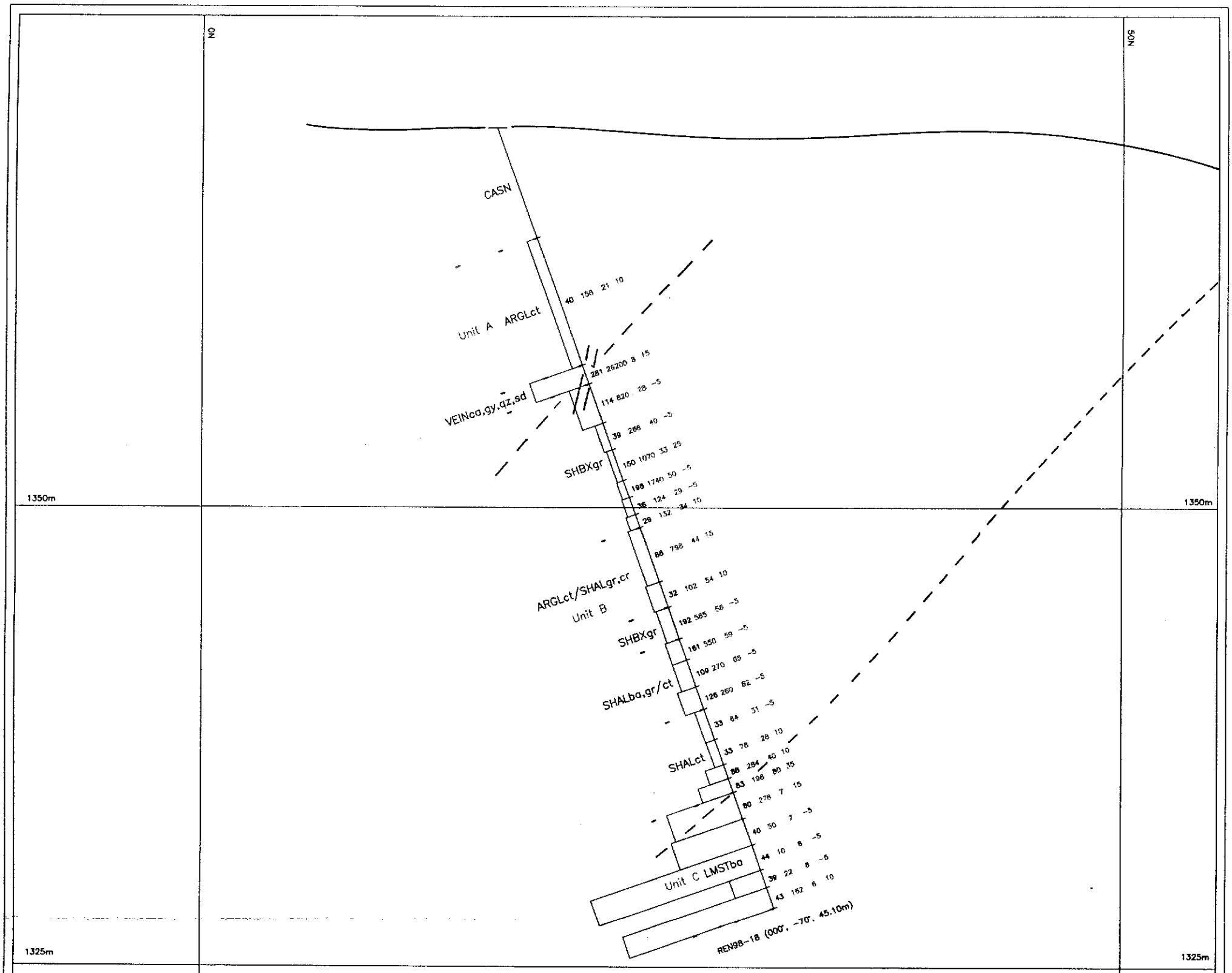
REN98-20: Stepout west of hole REN97-07:

This hole was drilled as a 150 metre stepout to the west of REN97-07 (Figure 15). Carbonaceous, cherty argillites were encountered from the collar to a depth of 10.45 metres (Unit A), overlying graphitic cherty siltstones and shales (Unit B) which are truncated by a gougy fault zone from 13.65 to 13.9 metres. Immediately below this fault is a fossiliferous detrital horizon, comprising poorly sorted clasts and circular fossil remnants, and 1-2% pyrite as disseminations and blebs, possibly replacing fossils. The fossils lie in a calcareous, sideritic matrix with annabergite, containing 231 ppm Ni, 2190 ppm P, and 478 ppm Zn from 13.9 to 14.2 metres. The greatest concentration of fossiliferous material lies at the base of the interval, where rip-up clasts of shale are also present.

This fossiliferous horizon is underlain by siliceous silty shales with cherty and calcareous interbeds which overlie graphitic, baritic black shales with calcite, siderite and gypsum veinlets and traces of annabergite. Anomalous nickel values from 26.35 to 31.35 metres reflect the presence of the annabergite. Underlying these shales is a sequence of graphitic, baritic breccia, interbedded baritic cherty shale and calcareous siltstone, and baritic, calcareous, siliceous shale. This package overlies soft, graphitic siltstone and baritic, siliceous to silty to calcareous silty shale that are cut by quartz±calcite±gypsum veinlets from 48.6 to 71.32 metres (Unit B). This unit is anomalous in nickel, zinc, and vanadium over 22.72 metres. Although the baritic limestone horizon was not intersected in this hole, barium contents of 0.38% to 18.2% suggest that the limestone facies may have pinched out with barium replacing the interbedded siliceous to calcareous shales. Siliceous and calcareous shales of Unit D underlie the interval of baritic black shales.

REN98-21: Stepout east of hole REN97-08:

This hole was designed to test the mineralized horizon encountered in REN97-08 150 metres to the east, however, ground conditions prevented this horizon from being adequately tested (Figure 16). The hole encountered phosphatic sediments of Unit B, consisting of cherty graphitic shales with interbedded graphitic siltstone, graphitic shale breccias with limestone, or siltstone and cherty shale clasts, and baritic cherty, graphitic shales.



LEGEND

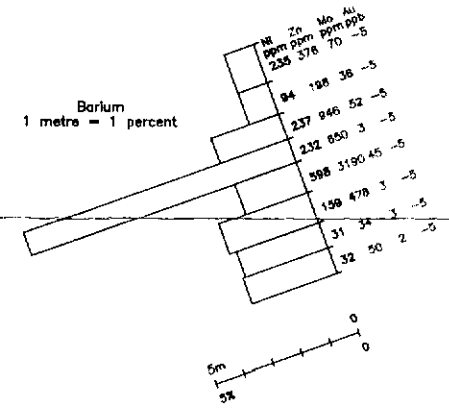
Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

ba	baritic
ca	calcareous
ct	cherty
gy	gypsum
sd	siderite
bx	brecciated
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results



scale: 1:250

0 5 10

metres

Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

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BLACKSTONE RESOURCES INC.

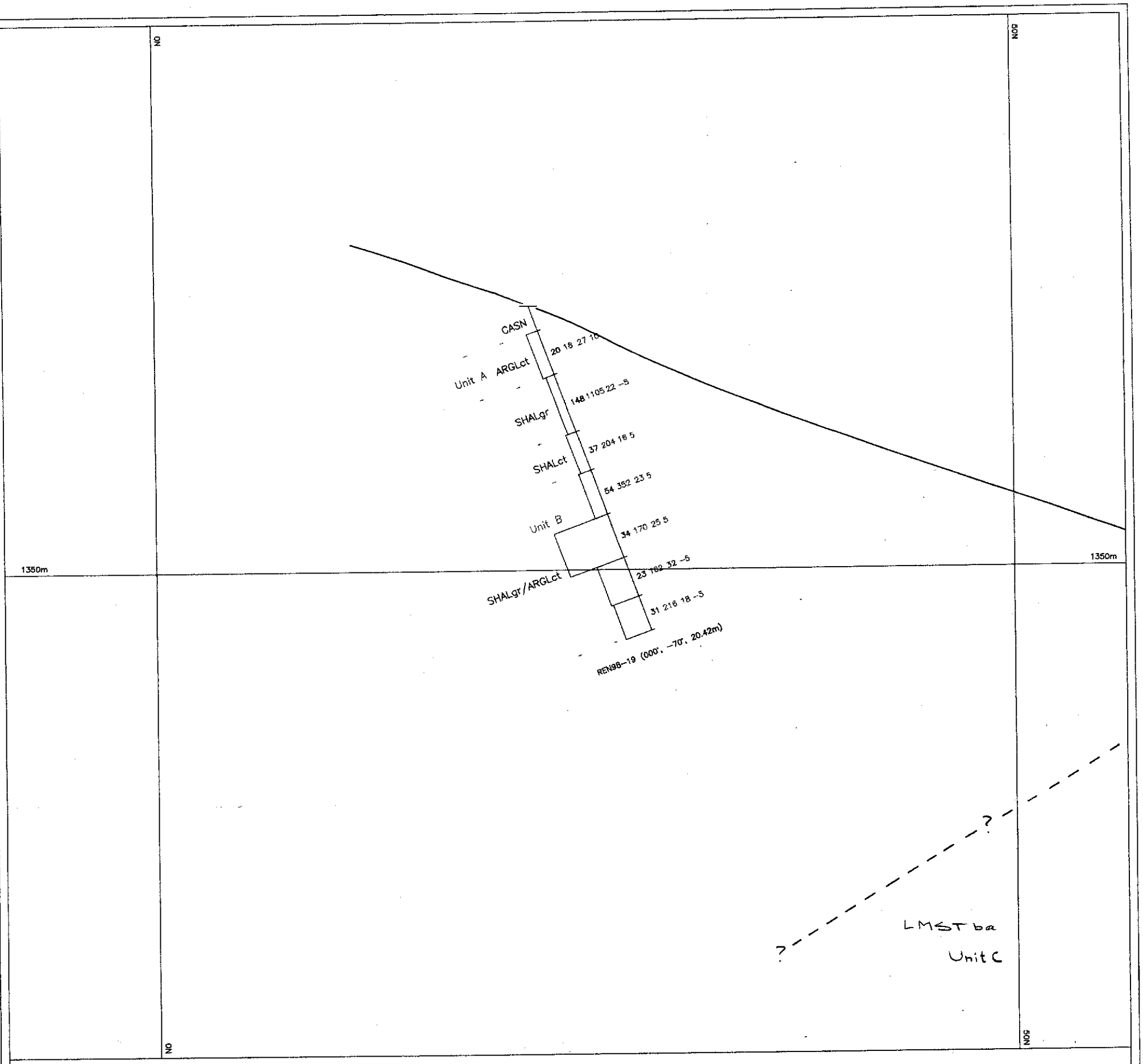
REIN CLAIMS

MM GRID

Drill Hole REN98-18

(Looking 250°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 13
	UTM Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
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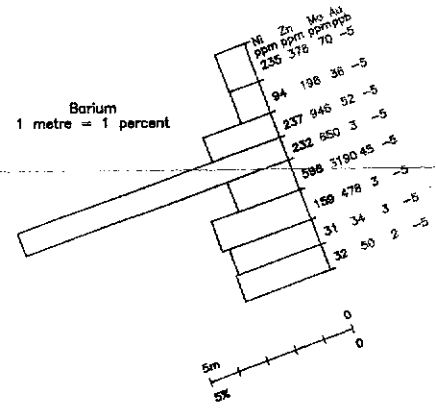
qz	quartz
si	siliceous

Geochemical Results



Stratigraphic Units

Middle to Upper Devonian Lower Earn Group

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BLACKSTONE RESOURCES INC.

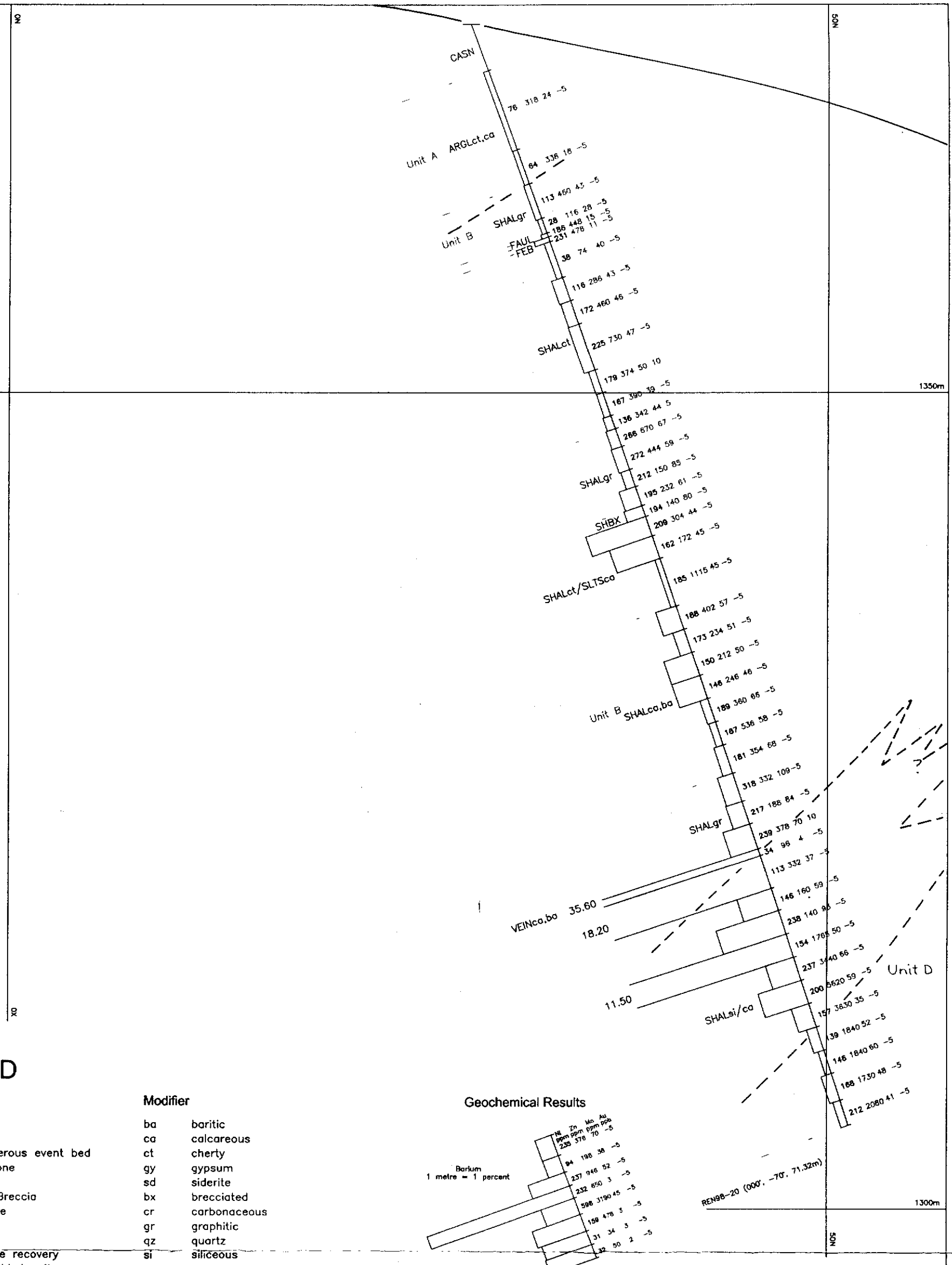
REIN CLAIMS

MM Grid

Drill Hole REN98-19

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 14
	UTM Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
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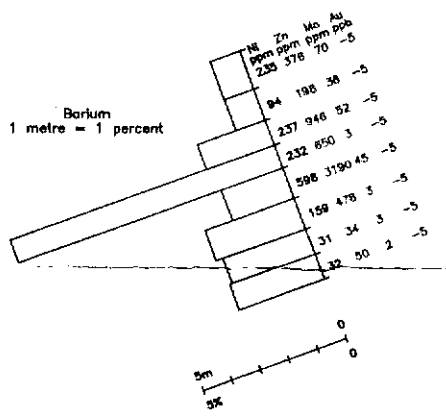
Geochemical Results



Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

UNIT B - SHAL/ARGLgr,ct - Graphitic Shale, Cherty Argillite: sooty, commonly punky and featureless, highly carbonaceous graphitic black shales to siltstones, often brecciated (primary sedimentary (?) brecciation), commonly baritic, locus for faulting, recessive, correlative with DLEu and DLEba.

UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

scale: 1:250

0 5 10

metres

BLACKSTONE RESOURCES INC.

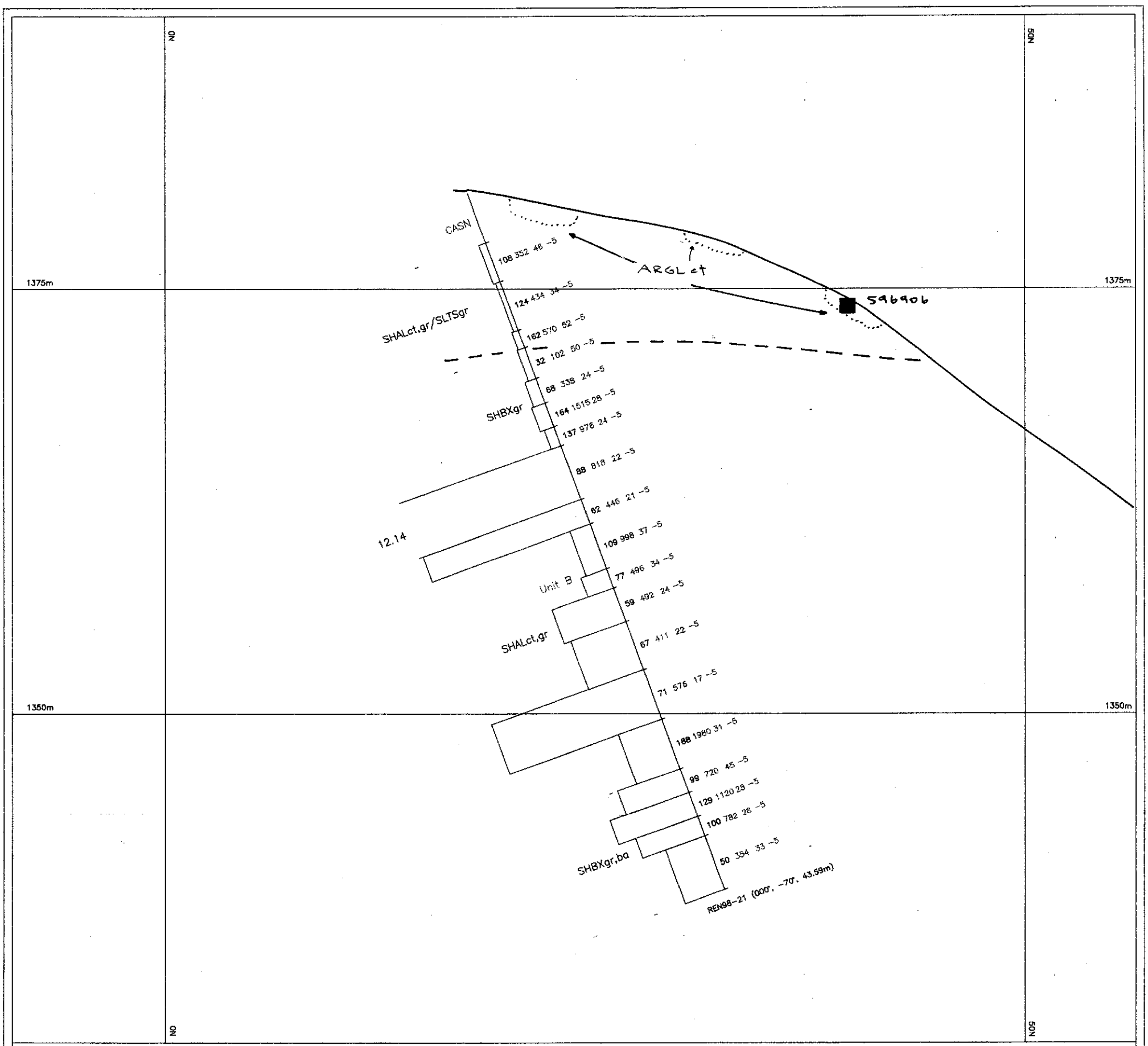
REIN CLAIMS

MM Grid

Drill Hole REN98-20

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 15
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	Province: Yukon	



LEGEND

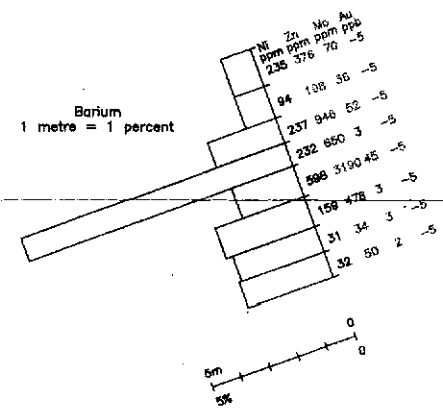
Lithologies

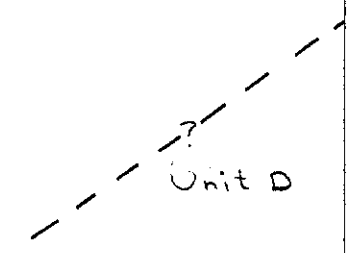
CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

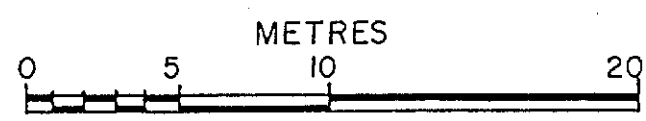
Modifier

ba	baritic
ca	calcareous
ct	cherty
gy	gypsum
sd	siderite
bx	brecciated
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results







Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

UNIT B - SHAL/ARGLgr,ct - Graphitic Shale, Cherty Argillite: sooty, commonly punky and featureless, highly carbonaceous graphitic black shales to siltstones, often brecciated (primary sedimentary (?) brecciation), commonly baritic, locus for faulting, recessive, correlative with DLEu and DLEba.

UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

Drill Hole REN98-21

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 16
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	

9.2 MM Extension

REN98-22: MM grid extension - L8200 E 9573 N:

Hole REN98-22 tested a Ni-Mo-As-Zn soil anomaly and DLEu-DLEl contact on the MM grid extension (Figure 17). This contact lies in a structurally-repeated panel immediately below the mineralized MM panel. The hole collared into graphitic, cherty argillites which are underlain by calcareous siltstone, both of Unit A. The calcareous siltstone is truncated by a fault zone from 14.0 to 18.1 metres. Cherty argillites, and cherty and silty shales of Unit A lie in the footwall of the fault zone. A second, intensely fractured fault zone with calcite-healed fractures and tension gashes was encountered below the cherty and silty shales from 27.5 to 30.35 metres. A rhythmically interbedded interval of graphitic and calcareous shales (Unit B) with stockwork calcite and quartz veining is found beneath this fault zone. A third fault zone with calcite- and quartz-healed fractures was cut from 39.8 to 42.6 metres. A sequence of interbedded graphitic and calcareous shales, silty limestone, siliceous shale and calcareous, graphitic shale of Unit B was encountered below this third fault zone. Although nickel values are only weakly anomalous, significant zinc and vanadium values were present throughout the hole.

REN98-23 and REN98-24: MM grid extension - Cliff Barite - 8810 N 8642 E:

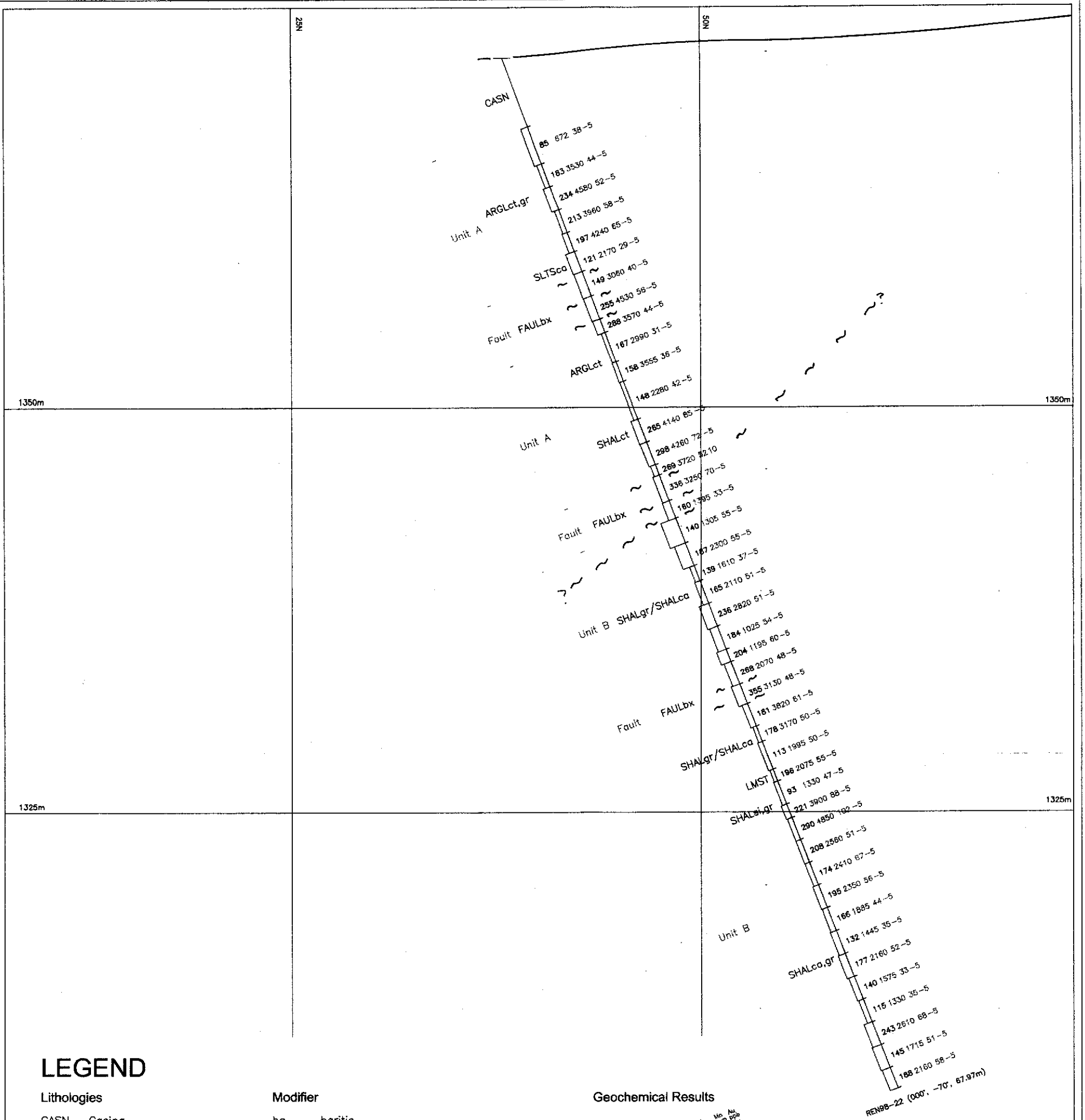
Hole REN98-23 was drilled to test the Cliff barite showing which lies at a DLEu-DLEl contact with anomalous Ni-Mo-As-Zn soil geochemistry. REN98-24 was a steeper hole drilled from the same site after REN98-23 was abandoned at 20.12 metres due to caving (Figure 18). The Cliff barite showing lies at the same stratigraphic contact as the MM barite one kilometre to the east. Hole REN98-24 intersected cherty argillite and cherty argillite with graphitic horizons and silty, calcareous laminae (Unit A) and traces of fine-grained pyrite as small blebs, disseminations or along laminae. This unit overlies punky, porous, graphitic, calcareous shale (Unit B) with common cherty horizons, traces of disseminated pyrite; it is baritic at the base of the section. This is underlain by an extensive interval of baritic shale (Unit C), which varies from light grey, laminated barite and calcite to darker grey to black, non-calcareous and argillaceous shale which locally contains traces of very fine-grained pyrite. The light grey barite-calcite horizons are often wormy-textured and discontinuous or brecciated, hosted in an argillaceous matrix. The barite-calcite horizons commonly have a sharp lower contact, fining upwards into the darker, argillaceous shale. The baritic horizon overlies a hard, calcareous, siliceous shale with cherty beds and common graphitic partings and horizons (Unit D). This unit is cut by varying intensities of calcite veining, with minor gypsum and iron oxides and returned anomalous nickel, zinc, and vanadium values over the last 11.75 metres at the end of the hole.

REN98-25: MM grid extension - 8375 E 9075 N:

This hole was designed to test the DLEu-DLEl contact between the Cliff and Ridge barite showings and is associated with anomalous Ni-Mo-As-Zn soil geochemistry, including one sample containing 1755 ppm Ni (Figure 19). The hole was collared into medium-grey, laminated and locally contorted barite-calcite interbedded with argillaceous, shaley horizons from 4.57 to 7.55 metres (Unit C). Approximately 1% very fine-grained pyrite is present as laminae and annabergite is present along fractures and this unit returned anomalous nickel and zinc values over 2.33 metres. This barite horizon is underlain by a finely laminated, generally well-bedded, strongly calcareous, siliceous shale (Unit D) with calcite veinlets, and traces of pyrite as fine laminae, or more rarely, as disseminations. Tentaculites(?) and circular or oval, calcite-rimmed fossils are locally present, and are rarely replaced by pyrite. This unit continues through to the end of the hole but is cut by fault zones at 39.9 to 41.2 metres and at 45.93 to 47.6 metres. This calcareous, siliceous shale is weakly anomalous in nickel, zinc, and vanadium throughout.

REN98-26: MM grid extension - Ridge Barite - 7924 E 9240 N:

Hole REN98-26 was designed to test the Ridge Barite showing that occurs along the same DLEu-DLEl contact as the MM Barite showing and that was targeted in holes REN98-23, -24, -25 (Figure 20). This hole collared into a phosphatic, cherty argillite (Unit A) that is cut by a fault zone at 18.9 to 34.5 metres. This cherty argillite commonly returned gold values of 10 to 20 ppb with a peak of 365 ppb from 6.71 to 8.2 metres, but nickel and zinc values were weakly anomalous and spotty in nature. These cherty argillites are underlain by more cherty argillites with graphitic siltstone horizons from 46.65 to 58.2 metres (Unit B), and sooty, punky, baritic, phosphatic, graphitic siltstone from 58.2 to 86.4 metres (Unit B). These graphitic siltstones overlie interbedded graphitic, siliceous shale and limestone (Unit C). This interbedded unit is baritic but is only weakly elevated in nickel and zinc. The



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

ba	baritic
ca	calcareous
ct	cherty
gy	gypsum
sd	siderite
bx	brecciated
cr	carbonaceous
gr	graphitic
qz	quartz
si	siliceous

Geochemical Results

Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

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UNIT C - LMSTba - Baritic Limestone: variable texture from massive and coarsely recrystallized to well-laminated to brecciated common calcite, barite veins, variably calcareous and baritic, correlative with DLEba.

UNIT D - ARGL/SHAL - Siliceous, Calareous Shale, Argillite: grey, siliceous and commonly calcareous interbedded shales and argillites, often baritic near upper contact, grades into carbonaceous shale down section, abundant calcite veining, dominant host unit for limestone balls, correlative with DLEl.

BLACKSTONE RESOURCES INC.

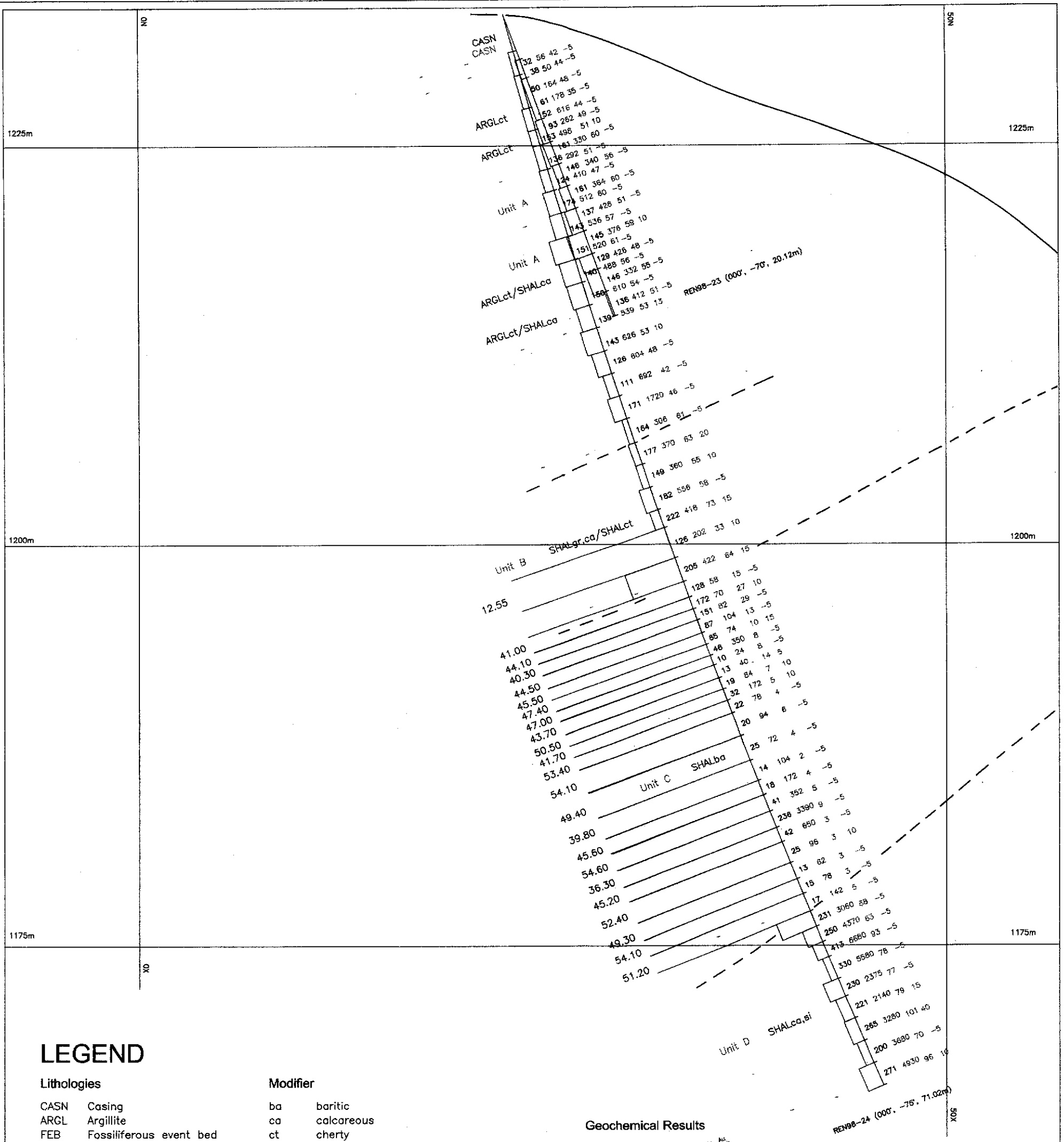
REIN CLAIMS

MM Grid

Drill Hole REN98-22

(Looking 270°)

EQUITY	Date: February, 1999	Scale: 1 : 250	Figure: 17
	U.T.M. Zone: 7	Mining Division: Mayo	
	N.T.S.: 116 B/9	State/Province: Yukon	



LEGEND

Lithologies		Modifier	
CASN	Casing	ba	baritic
ARGL	Argillite	ca	calcareous
FEB	Fossiliferous event bed	ct	cherty
LMST	Limestone	gy	gypsum
SHAL	Shale	sd	siderite
SHBX	Shale Breccia	bx	brecciated
SLTS	Siltstone	cr	carbonaceous
FAUL	Fault	gr	graphitic
VEIN	Vein	qz	quartz
NCOR	No core recovery	si	siliceous
/	Interbedded units		

Stratigraphic Units
Middle to Upper Devonian Lower Earn Group

UNIT A - ARGLct - Cherty Argillite: faintly bedded, local silty horizons, locally with interbedded carbonaceous and calcareous shales, common conchoidal fracturing, typically with red, yellow and ochre staining in fractures near surface, correlative with DLEu.

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BLACKSTONE RESOURCES INC.

REIN CLAIMS

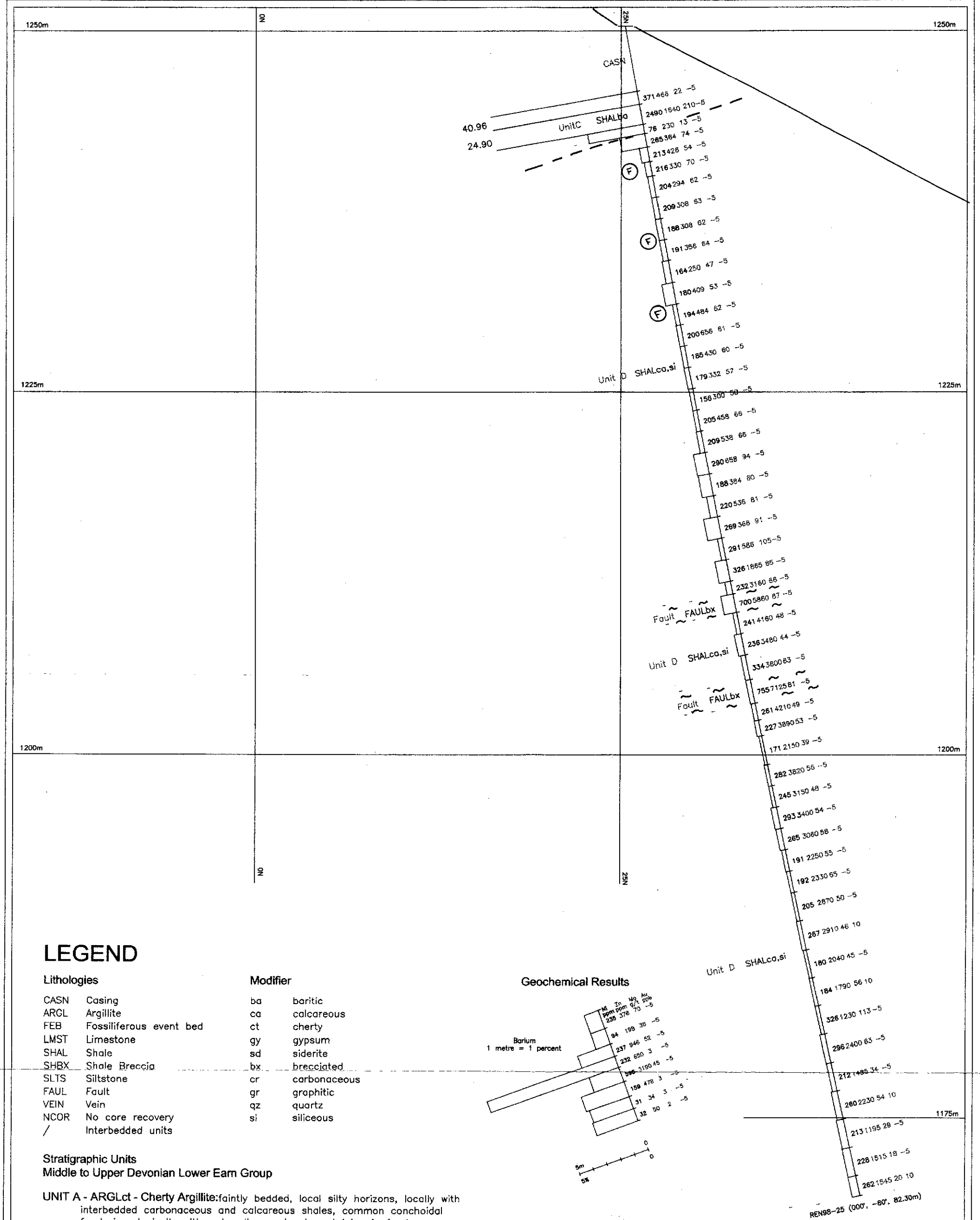
MM Grid

Drill Hole REN98-23, REN98-24

(Looking 317°)

Date	February, 1999	Scale	1 : 250
U.T.M. Zone	7	Mining Division	Mayo
N.T.S.	116 B/9	State/Province	Yukon

Figure 18



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
LMST	Limestone
SHAL	Shale
SHBX	Shale Breccia
SLTS	Siltstone
FAUL	Fault
VEIN	Vein
NCOR	No core recovery
/	Interbedded units

Modifier

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Stratigraphic Units
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METRES
0 5 10 20

REN98-25 (000°, -80°, 82.30m)

BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

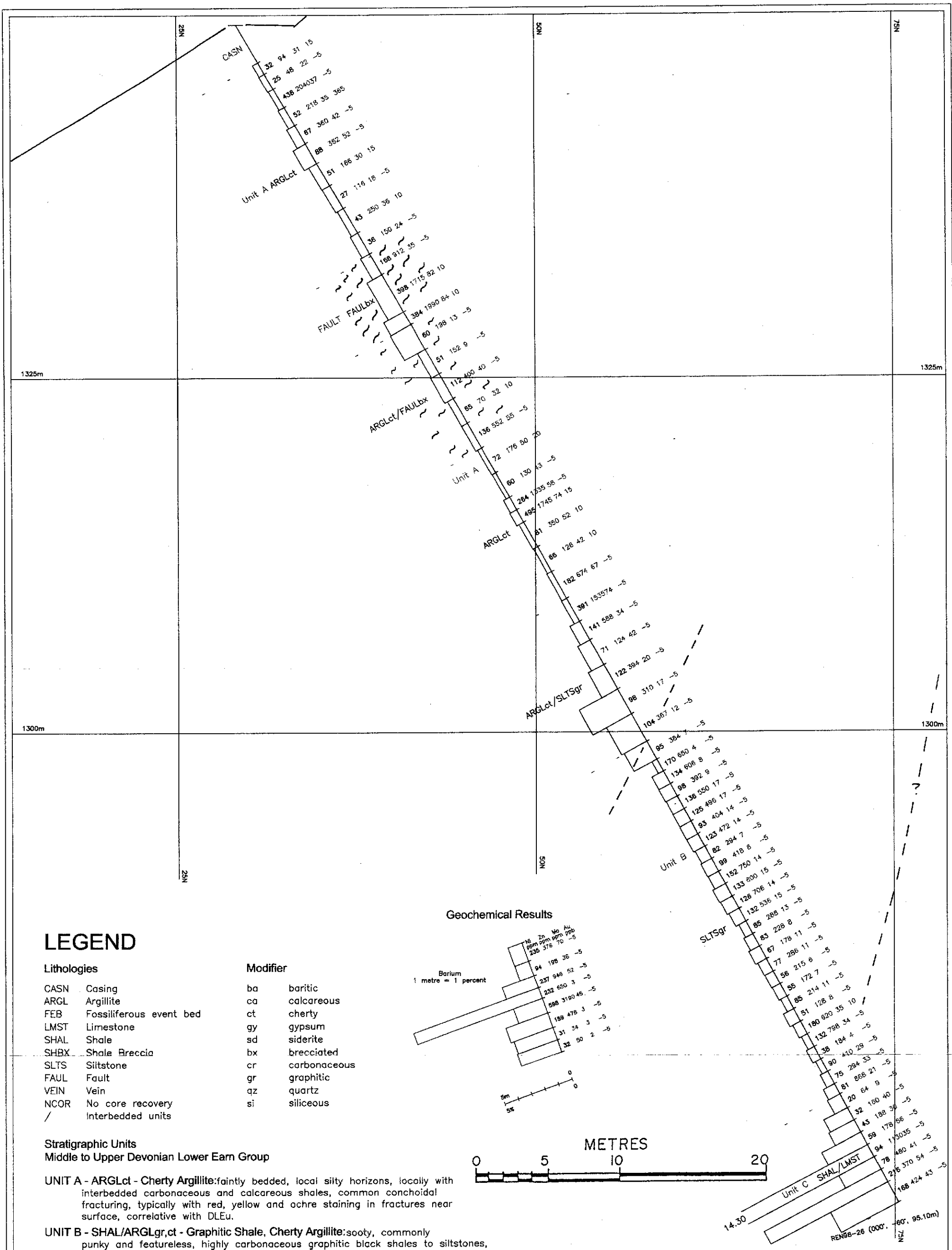
Drill Hole REN98-25

(Looking 270°)

EQUITY

Date	February, 1999	Scale	1 : 250
U.T.M. Zone	7	Mining Division	Mayo
N.T.S.	116 B/9	State/Province	Yukon

Figure 19



LEGEND

Lithologies

CASN	Casing
ARGL	Argillite
FEB	Fossiliferous event bed
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BLACKSTONE RESOURCES INC.

REIN CLAIMS

MM Grid

Drill Hole REN98-26

(Looking 270°)

Date	February, 1999	Scale	1 : 250
U.T.M. Zone	7	Mining Division	Mayo
N.T.S.	116 B/9	State/Province	Yukon

Figure 20

Ridge Barite limestone horizon pinches out and interfingers with this interbedded shale and limestone, likely representing a facies change.

10.0 DISCUSSION

The Rein property exhibits strong similarities to stratiform Ni-Mo-Zn-Au-PGE massive sulphide deposits in southern China and 100 kilometres to the east at the Nick property. Like the sub-basins hosting the other deposits, the Taiga Basin is formed of Early Paleozoic shales and argillites deposited near the transition between shelf and off-shelf sedimentary sequences. Like the Nick in particular, the Taiga Basin is a sub-basin located north of the main Selwyn Basin within the Mackenzie Platform, underlain and overlain by shallow-water carbonates; nickel sulphide mineralization is hosted in lower Middle Devonian Earn Group shale. The Nick and southern China stratiform Ni-Mo-Zn-Au-PGE massive sulphide deposits contain large tonnages of high-grade mineralization; the Nick is estimated by Hulbert et al (1992) to contain a minimum of 17 million tonnes @ 5.3% nickel, albeit, with a thickness of 2 to 7 centimetres over an areal extent of 80 km^2.

Excellent examples of bedded Ni-sulphide mineralization have been found at the TB and DM showings on the Rein property. The Ni-sulphide mineralization is composed of vaesite (NiS_2) intimately intergrown with pyritic framboids and spheroids and accompanied by bitumen and apatite; it exhibits similar textures, mineralogy and metal suite to the Chinese and Nick deposits. Their distinctive metal suite comprises elements not commonly found together: nickel, molybdenum, zinc, gold, platinum group metals, arsenic and vanadium. Phosphate (apatite), barite and organic carbon (bitumen) are important non-metallic constituents of each deposit. Sampling of this material has returned assay values up to 5.21% Ni and over 900 ppb Au+Pt+Pd over thicknesses varying from 6 to 50 centimetres.

The primary objective of the 1998 program was to follow-up the success of the 1997 drilling at the MM Barite showing, where two Ni-bearing zones were discovered on the MM grid, with close-spaced drill holes to evaluate the strike and down-dip extent of this mineralization. The most significant mineralization was encountered in hole REN97-08, returning 1.41% Ni over 5.3 metres within 25.5 metres of 0.39% Ni and 0.41% Zn. The nickel mineralization is concentrated in two zones on either side of a brecciated and stockwork-veined bedded barite horizon. The higher grade Ni mineralization of the upper zone is hosted in a fossil-rich bed containing baritic limestone balls with some of this mineralization present as Fe-Ni-Zn carbonate stockwork veining. This new type of mineralization contains the same metal enrichment (PGE's, Mo, As) as the more typical pyrite-vaesite mineralization but also contains anomalous levels of Zn and Ba. Further studies (Ross, 1998) have postulated that this fossiliferous bed represents a bioherm that has developed about a low-temperature vent discharging sulphate- and metal-bearing fluids, forming an oxidizing microenvironment within an otherwise anoxic, reducing marine basin. The massive pyrite-vaesite horizons would represent a more distal constituent of this system. An alternative hypothesis for the formation of the carbonate lithologies as an alteration product also has merit. Iron carbonate is an important alteration product in the stockwork zone below stratiform massive sulphides SEDEX deposits such as the Jason and Howards Pass deposits. The lack of microfossils, the presence of graded bedding, and $\delta^{18}0$ examination suggested a hydrothermal origin for a limestone unit found at Howards Pass. The commonly recrystallized texture of the baritic limestone, stockwork calcite-barite-gypsum veining, and the lack of microfossils indicates the possibility of a hydrothermal component to the formation of this baritic limestone.

Much of the 1998 drilling met with similar technical difficulties as encountered in 1997 due to faulting, and the soft, sooty and punky nature of the target horizons, despite increased attention to this problem. Some holes were unsuccessful in testing the favourable horizons in the hanging wall of the baritic limestone and many failed to penetrate the footwall of the baritic limestone. Drilling in the MM grid area was designed to evaluate the down-dip and strike extent of the mineralization encountered in 1997. The 1998 drilling intersected the host stratigraphy, consisting of soft, carbonaceous, commonly baritic and locally fossiliferous black shales and related sediments, over 350 metres of strike length. The 1998 MM grid drilling failed to intersect mineralization of the same tenor as encountered in 1997. However, the target stratigraphy contains nickel-zinc±molybdenum values which are elevated above background in each hole that cut this stratigraphy with intersections of 415 ppm Ni and 2276 ppm Zn over 8.6 metres in REN98-13 to 287 ppm Ni and 1153 ppm Zn over 31.7 metres in REN98-16.

Auriferous intersections were encountered in holes REN98-15 and -16, grading up to 9.73 g/t over 1.61 metres and 1436 ppb over 0.75 metres in REN98-15, and 394 ppb over 1.2 metres in REN98-16. The mineralization in REN98-15 is located at the contact of a baritic, carbonaceous shale breccia and a cherty argillite and is associated with gypsum veinlets, minor jarosite and a strong white

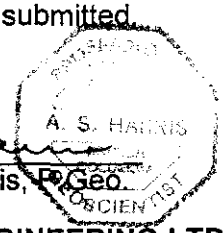
precipitate (sulphate?) which developed on the surface of the drill core after coring. The mineralization in REN98-16 is located at the contact of a similar baritic, carbonaceous breccia and a sooty, carbonaceous, calcareous siltstone and is associated with weak jarosite development and minor calcite veinlets. These porous brecciated units appear to be poorly lithified fault breccias that are acting as conduits for late-stage, auriferous fluids. Hole REN98-14, which was closely twinned by REN98-16 returned one anomalous value of 50 ppb gold which plots directly above the intersection in REN98-16, suggesting a near-vertical orientation for this zone.

The drilling in the MM Grid Extension was designed to test Ni-Mo-Zn-As soil anomalies at the DLEl - DLEu contact and the Cliff and Ridge Barite occurrences that are associated with this contact. Hole REN98-22 tested an extensive Ni-Mo-Zn-As soil anomaly at the DLEl - DLEu contact and intersected a broad zone of anomalous zinc values with weakly elevated nickel values (194 ppm Ni, 2684 ppm Zn weighted averages over 60.97 metres). This zone is largely associated with variably calcareous, graphitic and siliceous DLEl shales and cherty±graphitic DLEu argillites. Hole REN98-24 tested the Cliff Barite occurrence which lies at another DLEu - DLEl contact with an associated Ni-Mo-Zn-As soil anomaly. Elevated nickel-zinc±molybdenum±arsenic values (265 ppm Ni and 3963 ppm Zn over 11.75 m) were encountered in the footwall of the barite unit within calcareous, siliceous, and locally graphitic, shale. Hole REN98-25 was targeted on a Ni-Mo-Zn-As soil anomaly (1755 ppm Ni) 400 metres west along the same DLEl - DLEu contact as REN98-24. This hole collared into a laminated and argillaceous barite unit with very fine-grained pyrite, that is otherwise quite similar to the Cliff Barite. This barite unit locally has strong annabergite staining and returned values of 1653 ppm Ni and 1176 ppm Zn over 2.33 metres. REN98-25 intersected siliceous, calcareous black shales below this barite unit that commonly contain very fine-grained pyritic laminae and returned elevated values of 276 ppm Ni and 2781 ppm Zn over 44.8 metres. The nickeliferous intersection in this hole is reminiscent of secondary nickel mineralization encountered in holes REN97-07 and -08, also occurring in the footwall of the barite horizon. Hole REN98-26 was drilled to test the Ridge Barite occurrence which lies approximately 300 metres west of REN98-25 along the same DLEl - DLEu contact. The barite unit pinches out at depth in this section and hosts spotty, elevated nickel, zinc, molybdenum and arsenic values.

It was expected that the nickeliferous horizon would be consistently intersected considering the tremendous continuity exhibited by the Nick deposit and similar deposits in China. The 1998 drill program on the MM Grid and MM Extension has confirmed the presence of a metalliferous horizon with elevated nickel, zinc, molybdenum and arsenic values over a strike length of 2.5 kilometres, which includes intersections of up to 1.37% Ni over 5.30 metres (in 1997 drilling). However, follow-up drilling along strike and down-dip of these intersections did not encounter mineralization of a similar grade. This indicates that the mineralization recovered in holes REN97-08 and -07, which appears associated with a low temperature submarine vent and its related bioherm, is small and localized in extent. Dramatic pinching and swelling, stockwork barite veining, brecciation and recrystallization of the baritic limestone unit in this area, and the presence of Ba-bearing feldspars with the nickel mineralization suggest, at least, a partially hydrothermal origin for the limestone. Depositional textures, including angular clasts of limestone that have spalled off into a soft mud matrix indicate that the limestone was a positive topographic feature and that hydrothermal alteration occurred very early in diagenesis, or syngenetically. Analogues to this sulphide- and sulphate-bearing bioherm have been observed in Newfoundland (Von Bitter et al, 1992), but these were limited in areal extent and could easily be missed by drilling at 25-metre or greater centres. This suggests a limited area of deposition of high-grade mineralization at the Rein property, although the widespread weakly elevated values indicate that the effects of this system are widespread, and from multiple centres; with another vent site probably located in the Ridge and Cliff Barite area, for instance. It should also be noted, however, that bedding sub-parallel thrusting is common throughout the Rein property and that buckled beds indicative of such thrusting are present in the MM and MM Extension area. The lithology contrasts across this contact, or a sulphide layer at this contact, would provide a convenient locus for such thrusting.

The auriferous intersections in holes REN98-15 and -16 appear to be fault-related and closed off in most directions, but their significance cannot be entirely discounted. Their occurrence within brecciated, porous and highly permeable carbonaceous and cherty shales and argillites could be compared with the gold deposits of the Carlin trend in Nevada, which contain global resources in excess of 100 million ounces of gold (Teal and Jackson, 1997). Deposits on this trend have been passively emplaced within sedimentary and collapse breccias, highly permeable lithologies, and along structural zones, in miogeoclinal shelf carbonates and clastics and often carbonaceous eugeoclinal siliciclastic sediments.

Respectfully submitted,



Stewart Harris, P.Geo.

EQUITY ENGINEERING LTD.

Vancouver, British Columbia
February, 1999

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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Yukon Assessment Reports: 090207

APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

May 24 - July 5, 1998

CANADA) In the matter of an evaluation program on the Rein property

I, Stewart Harris for Equity Engineering Ltd., 207 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of diamond drilling, geological mapping, soil geochemical sampling, and prospecting was carried out on the Rein 9, 11, 12, 27, 29, 35-40, 49, 50, 60, 62, 76, 100-277, and RC 29-33, 41-48, 77-82, 109, and MC 26, 28, 30, 31, 51, 52 Mineral Claims between May 24 and July 5, 1998. The following expenses were incurred during the course of this work and in the compilation and reporting of results:

PROFESSIONAL FEES AND WAGES:

David A. Caulfield, P.Geo. 9.52 days @ $425/day	$	4,044.94
Murray Jones, P.Geo. 30.04 days @ $425/day		12,767.53
Stewart Harris, P.Geo. 75.72 days @ $425/day		32,180.46
Jason S. Weber, Geologist 37.73 days @ $350/day		13,205.06
Matt Henry, Project Manager 66.5 days @ $275/day		18,162.52
Jim Lehtinen, P.Geo. 4.11 days @ $425/day		1,747.81
Tom Bell, Prospector 27.94 days @ $300/day		8,382.75
Ed Sinnott, Senior Sampler 33.91 days @ 275/day		9,323.88
Tim Sullivan, Senior Sampler 5.77 days @ $275/day		1,587.44
Devon Holbek, Field Assistant 34.64 days @ $225/day		7,794.00
Matt Cleary, Field Assistant 34.2 days @ $225/day		7,694.16
Rory Edwards, Field Assistant 1.66 days @ $225/day		373.50
Brad Williams, Field Assistant 1.66 days @ $225/day		373.50
Ed Ronyecz, Warehouse Assistant 8.87 days @ $225/day		1,995.89
Chris Hope, Warehouse Assistant 0.38 days @ $225/day		84.38
Malonie Rose, Cook 38.83 days @ $300/day		11,647.50
Clerical 44.42 hours @ $25/hour		1,110.50
	$	132,475.80

EQUIPMENT RENTALS:

Camp	$	10,686.25
427.45 mandays @ $25/manday		
Generator, 5kVA		581.00
1.16 months @ $500/month		
4x4 Truck	$	1,128.80
14.11 days @ $80/day		
4x4 Truck, Standby		647.40
21.58 days @ $30/day		
Chainsaw		112.05
7.47 days @ $15/day		
Firefighting Equipment		323.70
32.37 days @ $10/day		
2 Pentium Notebooks		971.10
64.74 days @ $15/day		
Core Splitter		75.00
15 days @ $5/day		
	$	14,460.30

EXPENSES:

Accommodation	$	1,796.53
Aircraft Charter		1,350.00
Airfare		11,504.23
Automotive Fuel		1,590.30
Bulk Fuel		16,709.88
Camp Food		9,012.34
Camp Supplies		1,019.52
Chemical Analyses		56,111.24
Contract Labour		945.00
Courier		668.48
Expediting		1,885.58
Freight		13,831.58
Field Clothing and Gear		66.00
GPS Rental		8,170.52
Helicopter Charters		81,859.04
Maps and Publications		314.96
Materials and Supplies		14,309.27
Meals		1,354.38
Storage in Dawson City		838.42
Parking		45.61
Printing and Reproductions		1,853.78
Radio Rental		1,646.32
Rock Saw Rental		1,337.50
Satellite Phone Rental		1,930.87
Small Tools and Equipment		14.87
Stationary Supplies		107.16
Taxis and Airporters		508.79
Telephone Distance Charges		3,751.41

EXPENSES (Continued):

Tolls and Airport Taxes		36.48
Truck Rental (non-Equity)		1,616.26
Vehicle Repairs		17.50
Drilling:		
Mob/Demob		6,054.06
Footage		63,318.00
Materials		21,842.66
Standby/Moves/Travel		7,935.00
Other		825.00
		$ 336,178.57

SUB-TOTAL: $ 483,114.68

PROJECT SUPERVISION CHARGE:

12% on 1st $100,000	$ 9,360.54	
10% on balance of subtotal	30,596.85	
8% on balance of sub-total	7,867.36	
	$ 47,824.75	

REPORT: (estimated) $ 10,000.00

SUBTOTAL: $ 538,439.43

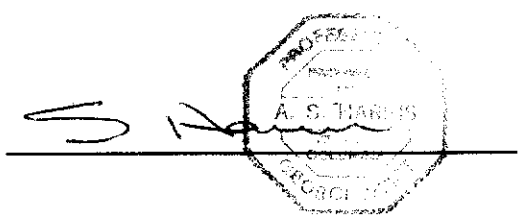
GST:

7.0 % on subtotal $ 37,690.76

TOTAL: $ 576,130.18

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the)
Province of British Columbia this)
26TH day of FEBRUARY, 19 99)



APPENDIX C

LIST OF PERSONNEL

LIST OF PERSONNEL

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V3E 1Z6

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V9N 8H9

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V6P 2X3

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V3W 5T7

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P0K 1E0

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V9J1B4

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Y0B 1B0

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V9L 3G1

APPENDIX D

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AN	annabergite	AK	ankerite	AZ	azurite
BA	barite	C	carbon	CA	calcite
GE	goethite	GY	gypsum	GL	galena
GR	graphite	HE	hematite	HZ	hydrozincite
JA	jarosite	MC	malachite	MS	sericite
MR	mariposite	PB	pyrobitumen	PY	pyrite
QZ	quartz	SI	silica	SP	sphalerite
SV	sulvanite	VS	vaesite	VL	volborthite
		TT	tetrahedrite		

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108961	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: trPY	<5	<.2	2	0.04
	Elevation 1500	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 070°/33°		Bedding		Host : Chert		37	<1	17	30

Comments: Trace blebby pyrite associated with stockwork alteration. Patchy whitish alteration, feldspar?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108962	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics:	15	<.2	<2	0.06
	Elevation 1485	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 050°/38° SE		Bedding		Host : Shaley Chert		157	4	30	100

Comments: Gossanous zone associated with shear in thin-bedded chert immediately above DLEu/DLEl contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wGY	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108963	UTM	N	UTM	E	Strike Length Exp: 35 m	Metallics:	<5	<.2	6	0.08
	Elevation 1480	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: mGE, mJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 170°/27° W		Fault		Host : Altered Chert Shale		28	1	19	66

Comments: Sheared broken sediments between two mafic sills close to DLEu/DLEl contact. Pika Showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?CL	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108982	UTM	N	UTM	E	Strike Length Exp: 50 m	Metallics:	<5	0.4	38	0.14
	Elevation 1205	m	Sample Width: 2	m	True Width: 0 cm	Secondaries: sGE, wJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Chert / Shale		48	51	60	448

Comments: Extremely fractured and deformed outcrop.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA, wQZ, mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108983	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics:	<5	0.6	6	21.3
	Elevation 1300	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 074°/54° SE				Host : Limestone / Shale		28	24	72	340

Comments: Baritic sediments, barite replacing limestone?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108984	UTM	N	UTM	E	Strike Length Exp: 30 m	Metallics:	10	2.2	54	1.28
	Elevation 1290	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 083°/36° S		Bedding		Host : Shale		70	41	107	1480

Comments: Extremely friable shale, no hand specimen as all pieces are tiny.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: cCB, wQZ, mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
108987	UTM	N	UTM	E	Strike Length Exp: 40 m	Metallics:	<5	<.2	<2	3.41
	Elevation 1340	m	Sample Width: 1	m	True Width: 1 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Quartz - Fe-carbonate - Barite vein		3	1	20	206

Comments: Large area of quartz - Fe-carbonate - barite vein float over 40 x 10m area.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312001	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.2	10	0.21
	Elevation 1525	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Argillite		25	9	16	14

Comments: Silty argillite with baritic heft?; limestone-style pitting, white precipitate. Along Ridge Barite trench road.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: BA, GY	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312002	UTM	N	UTM	E	Strike Length Exp: 4 m	Metallics:	<5	<.2	16	1.94
	Elevation	m	Sample Width: 2	m	True Width: 0.62 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 113°/77° N				Host : DLEu Cherty Argillite		39	27	51	156

Comments: Cherty argillite with fetid smell and barite/gypsum replacement/stockwork. Along Ridge Barite trench road.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?GY, w-mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312003	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics:	<5	0.2	16	0.6
	Elevation 1535	m	Sample Width: 4	m	True Width: 4 m	Secondaries: trGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 095°/73° S		Bedding		Host : DLEu Cherty Argillite		51	31	45	184

Comments: Cherty, locally fetid argillite with gypsum in pressure shadows on slickensides. Along Ridge Barite trench road.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: w-mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312004	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics:	<5	0.6	12	1.14
	Elevation 1535	m	Sample Width: 20	m	True Width: 20 m	Secondaries: trGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 106°/88° N		Bedding		Host : DLEu Cherty Argillite		22	21	27	64

Comments: As per 312003.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?GY, ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312005	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics:	<5	0.4	10	0.65
	Elevation 1540	m	Sample Width: 10	m	True Width: 10 m	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 106°/88° N		Bedding		Host : DLEu Cherty Argillite		28	18	31	86

Comments: As per 312003, 312004.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312006	UTM	N	UTM	E	Strike Length Exp:	Metallics: None	<5	0.6	4	19.25
	Elevation 1540	m	Sample Width: 5	m	True Width: 5 m	Secondaries: GE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Baritic Limestone		73	9	147	936

Comments: Local disseminated FeOx, siderite?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312007	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics:	<5	0.2	10	23.2
	Elevation	m	Sample Width: 3	m	True Width: 3 m	Secondaries: GE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 105°/29° S		Bedding		Host : Cherty Argillite with baritic bed		46	21	84	506

Comments: Yellow, orange, and yellow-green oxides on cherty argillite with baritic interbed.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312008	UTM	N	UTM	E	Strike Length Exp: .8 m	Metallics:	<5	0.2	12	7.44
	Elevation 1334	m	Sample Width: 40	cm	True Width: 0 cm	Secondaries: w-mGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 106°/49° S		Bedding		Host : Shale / Argillite		50	19	152	970

Comments: 1-2% graphite (pyrobitumen?) in calcite-shattered carbonaceous shale bed in cherty argillite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: m-sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312009	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	<.2	<2	18.9
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trAN?, JA, GE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Barite		79	2	119	1480

Comments: Baritic vein float in sump for hole REN98-16. Possible trace annabergite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?GY	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312010	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	1	46	0.31
	Elevation 1177	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: mGE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEI Shale		42	19	25	208

Comments: Black shale from kill zone on ridge spur above camp. Active sulphate?phosphate? precipitation (gypsum?) with abundant jarosite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ, w-mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312011	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics:	<5	1	16	0.31
	Elevation 1364	m	Sample Width: 2.8	m	True Width: 2.8 m	Secondaries: w-mGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEI Argillite/Shale		101	20	85	1005

Comments: Grab sample from DLEI interbedded argillite and shale brecciated by quartz veinlets and with patchy FeOx development.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: m-sBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312012	UTM	N	UTM	E	Strike Length Exp: 1 m	Metallics:	<5	0.4	152	17.25
	Elevation 1338	m	Sample Width: 1	m	True Width: 1 m	Secondaries: GE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 103°/84° S		Bedding		Host : DLEl Baritic Limestone, Shale, Argillite.		47	27	315	2420

Comments: Exposure in road-cut to Ridge Barite trenches. Local planes of strong FeOx development. Local mudstone breccia.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: m-sBA, wAC	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312013	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	1	12	10.4
	Elevation 1328	m	Sample Width: 25	m	True Width: 20 m	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 084°/60° S		Bedding		Host : DLEl Argillite / Shale / Limestone		116	26	162	1260

Comments: Interbedded baritic DLEl argillite and shale below contact with baritic limestone. Common actinolite on fractures. Baritic limestone interbeds.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312014	UTM	N	UTM	E	Strike Length Exp: 1 m	Metallics:	<5	0.8	612	12.85
	Elevation 1290	m	Sample Width: 1.7	m	True Width: 1.7 m	Secondaries: wGE, trAN	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 115°/54° S		Bedding		Host : DLEu Argillite		120	19	110	518

Comments: Trace annabergite on fractures in cherty argillite at contact with baritic limestone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312015	UTM	N	UTM	E	Strike Length Exp: 100 m	Metallics:	10	1.6	24	0.27
	Elevation 1215	m	Sample Width: 1.3	m	True Width: 1.3 m	Secondaries: trAN, trHZ	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 100°/18° S		Bedding		Host : DLEl Argillite / Shale		77	28	87	976

Comments: Interbedded argillite/shale with trace annabergite, minor hydrozincite and abundant calcite on fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312016	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	0.8	12	0.75
	Elevation 1175	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: trHZ, trAN	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 111°/62° S		Bedding		Host : DLEl Argillite		226	18	91	2190

Comments: Sampled footwall argillite (shale not exposed) below Cliff Barite showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312017	UTM	N	UTM	E	Strike Length Exp: 1 m	Metallics:	10	1.4	48	11.85
	Elevation 1337	m	Sample Width: 2	m	True Width: 0 cm	Secondaries: mGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Shale		207	80	126	434

Comments: Subcrop in hanging wall of Ridge Barite horizon. Locally baritic? with minor oxidized barite veinlets.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312018	UTM	N	UTM	E	Strike Length Exp: 0.5 m	Metallics:	5	0.2	10	1.27
	Elevation 1285	m	Sample Width: 3	m	True Width: 3 m	Secondaries: wGE, mJA?	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 101°/81° N		Bedding		Host : DLEl Shale		12	15	22	32

Comments: Yellow oxide on baritic shale in footwall of baritic limestone (Ridge Barite).

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mBA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312019	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	<.2	<2	52.9
	Elevation 1274	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Baritic Shale		46	3	13	508

Comments: Sample from muck pile of old trench of baritic shale.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: ?MS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312021	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics:	<5	0.2	30	0.59
	Elevation 1218	m	Sample Width: 1.3	m	True Width: 1.3 m	Secondaries: mGE, mHE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 092°/44° S		Bedding		Host : DLEl Shale / DLEu Cherty Argillite		93	45	210	532

Comments: 1.5 m chip across DLEu/DLEl contact. Quartz vein following fault contact? Commonly rusty. Calcite on fractures.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312022	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	<.2	8	0.49
	Elevation 1178	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Cherty argillite		16	21	33	210

Comments: Talus from soil pit at 92E 7325N. Dominantly DLEu, minor DLEl, fragments.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312023	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	2.2	34	0.11
	Elevation 1134	m	Sample Width: 2.5	m	True Width: 2.5 m	Secondaries: HZ	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Shale/Argillite		49	36	105	2750

Comments: Calcite and hydrozincite precipitate on interbedded shale > argillite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312024	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics: 1%SV	<5	1.6	24	0.21
	Elevation 1232	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: mVL	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 123°/65° N		Vein		Host : DLEl Argillite		2.53%	28	83	1220

Comments: Quartz-sulvanite breccia vein with volborthite and bright blue oxide stain.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312025	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	0.2	18	0.72
	Elevation 1335	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: m-sGE, wJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 107°/84° S		Bedding		Host : DLEu Argillite		53	34	23	62

Comments: Moderately iron-stained argillite, locally cherty.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312026	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	1.2	30	0.17
	Elevation 1285	m	Sample Width: 90	cm	True Width: 90 cm	Secondaries: wGE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 069°/38° S		Bedding		Host : DLEl Carbaceous Shale / Argillite		57	74	153	354

Comments: Carbaceous black shale and argillite in hanging wall of limestone. Patchy iron oxides.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: ?BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312027	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics:	<5	0.2	<2	0.11
	Elevation 1285	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 068°/38° S		Bedding		Host : Limestone		36	3	25	62

Comments: Medium grey, grey-brown weathering limestone bed. In footwall of 312026.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312051	UTM	N	UTM	E	Strike Length Exp: 50+ m	Metallics:	<5	0.2	22	0.12
	Elevation 4840	ft	Sample Width: 2.5	m	True Width: 2.5 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEl Black Shale		108	5	62	132

Comments: Taken 10-15m east of 524600 in black shale between mafic dykes.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312052	UTM	N	UTM	E	Strike Length Exp: 50+ m	Metallics: tr-1%PY	<5	<.2	2	0.12
	Elevation 4850	ft	Sample Width: 1	m	True Width: 1 m	Secondaries: mHE, mJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 060°/30° SE		Bedding		Host : DLEu Chert		59	<1	17	56

Comments: Chip across DLEu sediments at contact with black shale.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312053	UTM	N	UTM	E	Strike Length Exp: 50+ m	Metallics:	10	0.6	8	0.08
	Elevation 4860	ft	Sample Width: 25	cm	True Width: 25 cm	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 060°/30° SE		Bedding		Host : DLEu Chert		172	10	37	234

Comments: Taken 15m above 312052 in cherts.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312072	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics:	<5	0.4	26	0.28
	Elevation 5030	ft	Sample Width: 2	m	True Width: 2 m	Secondaries: wJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 080°/35° SE		Bedding		Host : DLEl Black Siltstone		28	42	27	32

Comments: Grab from baritic sediments in DLEu / DLEl contact zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312078	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%SV	<5	<.2	<2	0.11
	Elevation 4340	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wVL	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Calcite		2940	<1	. 3	4070

Comments: Float in dry creek draw.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312079	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics:	10	2.2	64	0.2
	Elevation 3860	ft	Sample Width: 4	m	True Width: 4 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 030°/05° SE		Bedding		Host : DLEl Black Shale and Chert		126	85	243	4340

Comments: Grab across outcrop below nickel and zinc soil anomaly.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312080	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics:	<5	1.4	148	0.21
	Elevation 3930	ft	Sample Width: 1.2	m	True Width: 1.2 m	Secondaries: mHE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 100°/05° SW		Bedding		Host : DLEl Black Shale		157	162	370	2110

Comments: Sample taken from structurally hammered, graphitic, calcareous black shales below large chert bed.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312081	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics:	5	1.8	46	0.19
	Elevation 3930	ft	Sample Width: 2	m	True Width: 2 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 100°/05° SW		Bedding		Host : DLEl Black Chert		56	30	79	488

Comments: Sample taken across 3m wide chert bed above contact with hammered black talus.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312082	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics:	10	2.4	460	0.14
	Elevation 3970	ft	Sample Width: 1	m	True Width: 1 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation 100°/05° SW		Bedding		Host : DLEl Black Chert		211	248	397	2820

Comments: Chip sample across hammered cherts with thin band of ferricrete.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: CB, SI, BA?	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312089	UTM	N	UTM	E	Strike Length Exp:	Metallics:	25	0.2	72	13.8
Taiga Main	Elevation 4475	m	Sample Width:	cm	True Width: cm	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation				Host : DLEu sediments		46	53	12	62

Comments: Sampled from Fe-carbonate altered and baritic upper unit chert with baritic sidehill talus. Baritic sediments all along this section.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312090	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.8	50	6.19
Taiga Main	Elevation 4475	ft	Sample Width:	cm	True Width: cm	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation				Host : DLEu sediments		96	107	42	108

Comments: Baritic sediments in float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ, CY, BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312091	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	<.2	2	4.46
Taiga Main	Elevation 4360	ft	Sample Width:	cm	True Width: cm	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation		Vein		Host : DLEu sediments		33	10	35	58

Comments: Sugary, grey quartz within clay-altered baritic sediments.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312092	UTM	N	UTM	E	Strike Length Exp:	Metallics:	10	0.8	48	20.6
Taiga Main	Elevation 4160	ft	Sample Width:	cm	True Width: cm	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation				Host : DLEl at contact zone		76	17	37	196

Comments: Baritic float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, GY	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312099	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	3	46	0.59
Taiga Main	Elevation 4700	ft	Sample Width: 20	cm	True Width: 20 cm	Secondaries: mHE	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation				Host : DLEu sediments		48	24	11	58

Comments: Black nodule with gypsum crystals surrounded by red and yellow stain, possible limestone ball with 20 cm radius.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312100	UTM	N	UTM	E	Strike Length Exp: 7 m	Metallics:	<5	0.2	14	32.6
Taiga Main	Elevation 4400	ft	Sample Width: 2	m	True Width: 2 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
	Orientation 125°/20° SW		Bedding		Host : DLEl sediments		34	36	175	1645

Comments: Barite vein right at DLEl / DLEu contact. Dirk Moraal sampled in this area previously.

Rock Sample Descriptions

Project Name: Taiga Main **Project:** BLK98-03 **NTS:** 116A/12, B/9

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: BA	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312101	UTM	N	UTM	E	Strike Length Exp: 2 m	Metallics:	<5	0.6	10	42.3
	Elevation 4740	ft	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation		Vein		Host : DLEu sediments		26	11	57	270

Comments: Grab sample across barite occurrence.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312102	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.6	10	0.74
	Elevation 4740	ft	Sample Width: 2	m	True Width: 2 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEl sediments		65	20	31	158

Comments: Grab sample below barite occurrence (at 312101).

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312103	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics:	10	1	22	4.44
	Elevation 4740	ft	Sample Width: 2	m	True Width: 2 m	Secondaries:	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEu sediments		52	29	24	62

Comments: Sampled from upper unit sediments above barite occurrence at 312101.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
524599	UTM	N	UTM	E	Strike Length Exp: 50+ m	Metallics:	<5	0.4	10	0.1
	Elevation 4840	ft	Sample Width: 1	m	True Width: 1 m	Secondaries: sHE sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEl Black Shale		53	8	57	90

Comments: Taken in black shale in footwall of mafic dyke above Pika Barite showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB	Au (ppb)	Ag (ppm)	As (ppm)	Ba
524600	UTM	N	UTM	E	Strike Length Exp: 50+ m	Metallics:	<5	0.2	14	0.06
	Elevation 4840	ft	Sample Width: 5	m	True Width: 5 m	Secondaries: sHE, sJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : Black Shale		53	9	33	86

Comments: Grab across black shale between mafic dykes.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Ba
312083	UTM	N	UTM	E	Strike Length Exp: 25+ m	Metallics: trPY	<5	1.6	18	0.36
	Elevation 4140	ft	Sample Width: 7.4	m	True Width: 7.4 m	Secondaries: wHE, wJA	Cu (ppm)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Taiga Main	Orientation				Host : DLEl Black Shale		20	21	25	214

Comments: MR Showing. Chip sample starts at 60m along control line.

APPENDIX E

DIAMOND DRILL LOGS

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1369 m
HOLE: RLN98-13	AZIMUTH: 000°
LOCATION: UTM: 7179835N 637579E Zone 7	DIP: -60
LOGGED BY: JASON WEBER	LENGTH: 54.86 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 27.4 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 47.5 m
CORE SIZE: BTW	
DATE STARTED: JUNE 6, 1998	DATE COMPLETED: JUNE 7, 1998

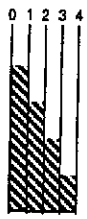
DIP TESTS BY: None taken - hole lost & rods stuck.

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

To test mineralization encountered in hole 97-08, 50 metres to the east. (50m stepout.)

SUMMARY LOG

0.0 - 6.10 m: Casing

6.10 - 6.55 m: BARITIC, NON-CALCAREOUS CHERTY SHALE - CALCITE AND FeCO3 VEINLETS

6.55 - 24.40: CARBONACEOUS, CALCAREOUS, BARITIC BLACK SHALE; CA, FeCO3 VEINLETS, POOR RECOVERY

24.40 - 34.13: FAULT ZONE, GRAPHITIC, POOR RECOVERY

34.13 - 46.33: CARBONACEOUS TO GRAPHITIC, NON-CALCAREOUS BLACK SHALE, POOR RECOVERY

46.33 - 51.25: CHERTY BLACK ARGILLITE W GRAPHITIC INTERBEDS

51.25 - 54.86: RECRYSTALLIZED BARITIC LIMESTONE; DARK CARBONACEOUS MATERIAL, CA, GYPSUM, FeCO3 VEINLETS; LAMINATED UPPER PORTION, BRECCIATED BASE.

54.86: EOH.

HOLE ABANDONED DUE TO STUCK RODS; 160' RODS + CORE BARREL LOST IN HOLE.

LEGEND

- bedding orientation
- slickensides or polished fr
- fracture orientation
- bedding plane & slicks
- veinlets/veins orientation
- fractured zone

PAGE 1 OF 6 | PROJECT TAIGA | HOLE REN98-13

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ca Veins	ALTERATION: Fe Cb Veins	FRACTURE INTENSITY
					0-6.1 CASING & OVERBURDEN Rubbley core, siliceous fragments & re-drilled material. W calcite veining noted on fractures that are commonly stained with yellow-orange-brown coating (jarosite + hematite?) Non-calcareous, non-carbonaceous			
5	0	0			6.1-6.55 CHERTY SHALE (SHAL,cT) Dark grey to black, siliceous shale. Non-calcareous matrix but calcite common on fractures & as very fine veinlets. Yellow-orange Fe carbonate veins present along calcite veinlets (Fe cb later?) Core has a baritic heft. Calcite veinlets generally ~80° TCA			
6.1	100	33	SHALcT	lower cont. @ 40° TCA				
6.4				90°				
7.5	77	5		50°				
8.23				Ca veins				
	79	14						
9.75	60	0						
10	60	0			6.55-24.4 CARBONACEOUS BARITIC CALCAREOUS BLACK SHALE (SHAL,CA,BA,CA) Sooty black shale, baritic, patchy graphitic and generally moderately calcareous. Very soft & friable with zones of greater competency & hardness (relating to cherty bed or possible limestone balls) - core. Cherty interbeds 40cm			
10.4				fr zone				
				bedding				
	71	17	SHALcA,BA,CA					
12.8								
				fr zone	Very porous core. Bedding (+ shaley partings) generally 60-70° TCA			
15	70	10						
15.6				fr zone	Zones of intensely fractured core. Calcite veinlets w-m, occasionally with Fe cb veinlets. Rare narrow			
				30° bedding & slickens				
				40° beds & gr. slickens	zones intensely fractured & soft & olive green colour & rare brown mottles. Graphitic slicks common			
	68	6			30-40° TCA			
				LBM?	15.8-16.1 m W olive green to brown coloration. Bx? Ca + Fe cb v. weak stockwork			
18.9					23.5-24.4 more competent zone & ↓ carbonaceous/graphitic material & ↓ calcareous matrix. Narrow (1-2cm) Fossiliferous zone. Circular & oval shapes <1mm.			
	38	8						
21.94								
	13	0		30° bed.	~25- limestone ball?			

PAGE 2 OF 6 | PROJECT TAIGA | HOLE REN98-13

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
- Calcite vnlts & minor FeCB vnlts		6.1	6.55	0.45	313001	10	<5	0.22	27	152	280
- wk calcite veining		6.55	7.90	1.35	002	20	<5	0.43	53	179	432
- tr Ja on fractures		7.90	9.4	1.5	003	22	<5	0.52	55	162	360
- tr Ja, v. w. FeCB vnlts		9.4	10.5	1.1	004	8	10	1.63	26	107	328
- w. yellow-brown stain on fr.		10.5	11.6	1.1	005	18	<5	0.48	53	170	334
- same as above		11.6	12.8	1.2	006	18	<5	0.80	59	187	356
- same as above (v. w.)		12.8	14.3	1.5	007	14	<5	0.72	41	146	294
- intensely fr. interval		14.3	15.8	1.5	008	24	<5	0.77	67	196	430
- bk - dd FeCB stckwk ± cc vnlts		15.8	16.1	1.3	009	18	<5	1.82	57	236	710
- ↓ FeCB as above		16.1	16.8	0.7	313010	19	<5	1.89	66	298	670
- very poor rec - olive brown patches, yellow stain		16.8	17.2	0.4	011	16	<5	1.86	52	230	404
- v. w. FeCB vnlts		17.2	18.4	1.2	012	40	<5	10.65	46	449	1220
- as above		18.4	19.4	1.0	013	14	<5	1.29	52	296	784
- w. FeCB vnlts		19.4	20.4	1.0	014	28	<5	0.96	65	166	1240
- Very poor recovery.		20.4	23.5	3.1	313015	26	<5	0.82	58	340	2500

PAGE 3 OF 6 | PROJECT TAIGA | HOLE REN98-13

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA VNLTS	FeCB VNLTS	GYPSUM VNLTS	QZ VNLTS	FRACTURE INTENSITY
23.47					24.4 - FAULT ZONE. (FAUL)					
	49	7			34.13 Extremely broken, fractured black graphitic shale. Very soft, gouge + graphitic slickensides ~~evident~~ evident. Calcite veining ↓. Minor orange to brown stain on fractures. Probably weakly baritic					
25	25									
	0	0	NO CORE	NO CORE						
28.01					34.13 - BLACK, SOOTY, GRAPHITIC, BARITIC, NON CALCAREOUS SHALE (SHAL BA, GR)					
	5	0	FAULT		46.33 As with earlier shale units - very fractured, rubbley core with poor recovery. Zones of up to 1m of "flakey" shale fragments. This unit is non-calcareous in its matrix with markedly fewer Ca + FeCB veinlets. Only occasional rusty to yellow stain on fractures. One set of fractures @ 70° TCA, another @ 10-25° TCA. Possibly one more @ 40-50° TCA. 70° fractures look to be compositional layering. All orientations have graphitic slicks. As with units uphole core has baritic heft.					
31.09										
	8	0								
34.13										
	44	0								
37.18					37.18 - 37.40 m - Vein of calcite, gypsum qz, FeCB + possibly barite. Vn is brecciated + multiphase. T.W of vein is ~ 10cm with bx tst along walls. Calcite with quartz cut by beige to brown siderite (brown) + ? Very fine (<1mm) gypsum veins with siderite selvages. (X-cut bx fragsy) All is cut by later white veinlets. Very soft, very fine (<.5mm) gypsum as well.					
	57	9								
40.23										
	16	0								
43.28										
43.28	47	0								

PAGE 4 OF 6 | PROJECT TAIGA | HOLE REN98-13

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
- w FeCB units		23.5	24.4	0.9	313016	68	<5	0.38	212	1165	8320
- rubble / sand		24.4	25.0	0.6	313017	26	<5	0.53	81	229	1850
* - NO CORE *		25.0	28.04	3.04	~~313018~~						
- Black shale, recovery ~15%		28.04	31.09	3.05	018	40	<5	0.43	65	45	68
- recovery ~80% wk jarosite stain		31.09	34.13	3.04	313019	28	<5	0.85	83	30	58
- recovery 44%. wk FeCB+ jarosite? on fc.		34.13	35.2	1.07	020	16	10	0.27	59	22	18
- As Above		35.2	36.2	1.0	021	18	<5	0.28	71	30	20
- As Above		36.2	37.18	0.98	022	16	<5	0.34	68	32	20
- 10 cm (T.w) CB+Qz < FeCb < Gypsum unit		37.18	37.40	0.22	023	142	<5	0.23	79	131	1185
* - Black Shale ~~Dyke/sill~~		37.40	39.0	1.6	024	22	<5	0.40	50	33	24
- w. FeCb?		39.0	39.2	0.2	025	40	<5	0.45	120	30	44
- Black Shale - Rubble - FeCb units?		39.2	40.23	1.23	026	18	<5	0.43	55	47	22
- Rubble - Poor recovery		40.23	43.28	3.05	027	14	<5	0.26	57	29	16
		4									
- More rubble (as above)		43.28	~~45.6~~ 44.3		313028	22	<5	0.53	74	32	20

PAGE 5 OF 6 | PROJECT FAIGA | HOLE RRN98-13

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA VNLTS.	Fe CB VNLTS	GYPSUM VNLTS	QZ VNLTS	FRACTURE INTENSITY
45			SHALE BLACK							
46.33					46.33 – 51.25 CHERTY BLACK ARGILLITE (ARGC)					
	11	0	ARGC	heavily fract. + broken rubble	Black cherty argillite, blocky fracture, non-calcareous with shaley graphitic interbeds & occasional graphitic partings. Blocky fracture & weak ochre stain on fractures. Most of interval is rubble. Baritic. Patchy very fine qz veinlets. Unable to get orientations in rubble					
49.38										
50	33	0								
51.21										
	98	34		comp. layering						
52.43										
	88	21	LMST BA	ca vnlt						
53.64					51.25 – 54.86 BARITIC LIMESTONE - BEDDED (LMSTBA) Grey to dark grey limestone (recrystallized). Baritic. Abundant dk grey to black variably carbonaceous to graphitic material. Bitumen? as well. At bottom of section unit is possibly associated with blebs shaley material interstitially. Possibly soft sediment deformation? Upper portion is finely laminated @ ~53 m textures become diffuse due to veining (CA + QZ ± GYPSUM) Ca veinlets with tr - w FeCb. Fetid.					
	104	58								
54.86										
55					E.O.H. @ 54.86 m					

PAGE 6 OF 6 | PROJECT TAIGA | HOLE REN98-13

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		44.3	45.6	1.3	313029	28	<5	0.54	81	38	24
FeCB + Ca units (w)		45.6	46.33	0.73	313030	50	<5	0.46	121	178	189
cherty argillite - poor rec.		46.33	49.38	3.05	313031	8	<5	0.32	18	26	34
cherty argillite with very fine qz veinlets.		49.38	51.25	1.87	032	8	<5	0.51	17	83	34
Baritic limestone w FeCb + Ca units.		51.25	52.25	1.0	033	<2	<5	2.72	1	52	246
As above		52.25	52.70	0.45	034	<2	<5	1.45	8	93	856
Ca unit & minor Fellowstain subII TCA		52.70	52.95	0.25	035	<2	<5	1.36	<1	14	124
Ca units		52.95	54.10	1.15	036	<2	<5	0.91	1	25	20
Bx? with shale sections surround-ed by iron staining -		54.10	54.86	0.76	313037	<2	<5	0.76	4	34	12

PAGE OF

PROJECT

HOLE

DEPTH (M)	% CORE REC	% RQD			LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION						FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: Taiga	COLLAR ELEVATION: 1393 m
HOLE: REN98-14	AZIMUTH: 000°
LOCATION UTM (Zone 7): 7179826 N 637544E	DIP: -60°
LOGGED BY: JASON WEBER	LENGTH: 34.2 m
DRILLED BY: FALCON DRILLING LTD (PRINCE GEORGE, BC)	HORIZONTAL PROJECTION: 17.1 m
ASSAYED BY: CHEMEX LABS (NORTH VANCOUVER, BC)	VERTICAL PROJECTION: 29.6 m
CORE SIZE: BTW	
DATE STARTED: June 7, 1998	DATE COMPLETED: June 8, 1998

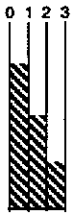
DIP TESTS BY

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM

OBJECTIVE

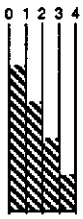
To attempt to test continuity of mineralization encountered in REN98-08, 25m down-dip

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

0.0-4.6m : CASING

4.60-7.40 : BLACK CARBONACEOUS ARGILLITE, GYPSUM, SIDERITE? VEINLETS

7.40-8.30 : GREY-GREEN SILTY SHALE, COLLAPSED, BARITIC, GYPSUM VEINLETS

8.30-11.40 : SOFT, CARBONACEOUS SHALE, BARITIC, LOCALLY GRAPHITIC, POOR RECOVERY

11.40-12.40 : CARBONACEOUS, BARITIC BLACK SHALE; LIMESTONE BALL

12.40-23.50 : BLACK, PUNKY, CARBONACEOUS SHALE; GYPSUM VEINLETS, SULPHATE PRECIPITATE, BARITE

23.50-26.50 : BARITIC, CARBONACEOUS SHALE AS ABOVE, BUT MORE COMPETENT; SILICEOUS ZONES

26.50-31.10 : BLACK CARBONACEOUS ARGILLITE; PATCHY OLIVE-GREEN & BROWN MOTTLING GYPSUM-FeCO3 VEINLETS

31.10-34.20 : BARITIC, CARBONACEOUS SHALE (AS @ 23.5-26.5); GYPSUM VEINLETS WHITE SULPHATE PPT

34.20 : EOH, HOLE LOST DUE TO STUCK RODS, LOST CORE BARREL

PAGE 1 OF 5 | PROJECT TAIGA | HOLE REN98-14

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ja units	Gypsum units	Fe-Cb units	FRACTURE INTENSITY
0					0-4.57 Casing.				
4.57	0	0							
5.18	10	0			4.57-7.6 CHERTY ARGILLITE (ARGcr) Black cherty argillite with orangey-brown jarosite on weathered surfaces. White to creamy beige veinlets with weak gypsum as euhedral xtals in open spaces. Dark brown veinlets present as well (cw). Veinlets @ 20-30° TCA & ~70° TCA. Weakly baritic but not consistent down section. Graphitic/carbonaceous seams. Massive, no bedding				
8.23	52	12							
11.28	22	0							
14.38	75	16			7.6-8.3 SHALE - SILTY SHALE (SHALsa) Grey to greenish grey, soft silty shale with weak jarosite on fractures. Porous, cut by abundant very fine veins (some CA, others gypsum?) @ 50-40° TCA. Possibly bedding evident @ 30° TCA. Weakly baritic. Creamy white vein with brown-rusty margins @ 8.2-8.3 m. 10-15° TCA (gradational lower cont. Weakly calcareous (fizzing)				
17.37	50	0			8.3-11.4 CARBONACEOUS TO GRAPHITIC SHALE (SHALcs) "Punky" Sooty black carbonaceous to graphitic locally black shale. Heavily fractured, very soft, No veining. Weak (very) staining on fractures. Two similarly oriented fracture sets @ moderate & ~perpendicular @ TCA. Another possibly subparallel to CA. All can be graphitic locally. Bedding 70-80° TCA? Upper contact in rubble as is lower contact. Both are sharp				
20.42	43	3							
	59	0							

V. Porous

PAGE 2 OF 5 | PROJECT TAIGA | HOLE REN98-14

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
SAMPLE BLANK					313038	<2	<5	0.08	<1	<1	20
Jarosite + Fe oxides		4.57	5.40	0.83	313039	76	<5	2.15	34	772	8780
Rusty to yellow gypsum, CA + FeOB		5.40	7.4	2.00	040	16	<5	0.41	37	139	702
Weak Gypsum veinlets		7.4	8.3	0.90	041	8	<5	0.22	31	238	1265
Black carbonaceous shale - extremely broken, poor rec.		8.3	11.4	3.1	042	8	<5	0.55	28	17	46
Gypsum veinlets + very minor Ca & orange oxide coatings on fr		11.4	11.7	0.30	043	10	<5	0.31	21	155	1415
Wk gypsum veinlets		11.7	12.4	0.70	044	20	<5	0.32	47	84	256
Black sooty shale		12.4	13.7	1.30	045	14	<5	0.55	47	29	92
Black Shale & ↑ orange staining		13.7	14.4	0.70	046	22	10	0.35	29	32	117
Black sooty shale (LAB DUP)		14.4	15.9	1.50	047	28	<5	0.57	36	32	108
Same as above		15.9	17.37	1.47	048	24	<5	0.65	38	40	162
Same as above		17.37	18.2	0.83	049	24	<5	1.65	34	30	134
Same as above		18.2	20.42	2.22	313050	24	15	1.63	32	36	190
As above & wk green-grey fr coating		20.42	22.0	1.58	051	40	55	1.45	41	43	164
Same as above		22.0	23.15	1.15	313052	38	10	1.03	30	96	314

PAGE 3 OF 5 | PROJECT TAIGA | HOLE Rad 98-14

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CS veins	ALTERATION: gypsum veins	ALTERATION: FeCb veins	FRACTURE INTENSITY
23.47					11.4 - 12.4 SILTY CARBONACEOUS SHALE (SHAL cc-Ba)				
				1cm T.W cpy vnlt + brown selvages	Similar to that seen 7.0-8.3m however, this unit is slightly more carbonaceous @ its upper + lower contacts. Lower contact @ 30° TCA. V. weakly baritic Limestone ball @ 11.5 m				
26	85	25							
26.52				cpy vnlt. cm vein = rusty core gy vnlts + FeCb?					
					12.4 - 23.5 BLACK CARBONACEOUS SHALE "PUNKY", BARITIC (SHAL cc-Ba) Very similar to interval 8.3-11.4m Weakly baritic. Bedding (with shaley partings) @ 70-90° TCA. Graphitic fc @ 30°-45° TCA Less common. Core is very soft, friable, punky textured with small cherty fragments (<1 cm) Local very weak calcite + gypsum veining with rusty selvages. Under microscope many crystal faces - some are gypsum some possibly barite & very small - hard to positively ID. 23.2-23.5 m - Core more competent + white ppt coating core after sitting o/n.				
	59	28		wk with stronger (gyp)					
29.57									
30									
	50	34							
32.61									
	69	13							
34.14									
35									
					23.5 - 26.5 BLACK CARBONACEOUS SHALE (BARITIC) (SHAL Ba-cc) Similar to 12.4-23.5m but more competent, note as porous or punky. Siliceous zones present as are local calcareous zones (matrix) Weakly baritic. Sooty Bedding 70-80° TCA. Less common are veinlets ~45° (Gypsum ± Yellow selvages). with jarosite coatings, as well as olive green coatings. Possibly poorly preserved graptolites as well. Lower contact in rubble.				
12									

PAGE 4 OF 5 | PROJECT | HOLE RE98-14

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Black sooty shale with rusty ca		23.15	23.5	0.35	313053	48	<5	0.77	40	314	1890
+ Gypsum veins / Black sooty shale		23.50	24.25	0.75	054	40	<5	0.38	93	432	1770
Black shale as above ± Ca/Gyp/FeCO3		24.25	24.6	0.35	055	34	<5	0.84	100	378	1895
Rusty section with olive green to brown patches		24.6	25.6	1.00	056	32	<5	0.31	84	223	980
± gypsum veins.		25.6	26.52	0.92	057	48	<5	0.49	96	309	1150
As above ± fewer veinlets		26.52	27.1	0.58	058	8	<5	0.39	9	99	626
As above		27.1	28.4	1.30	059	30	<5	0.29	39	191	1190
Sample 313056 + 313057											
+ Black sooty shale.											
		28.4	29.57	1.17	313060	20	<5	0.17	19	374	2160
As above.		29.57	31.1	1.53	061	16	<5	0.11	12	259	1180
Bl shale with clasts.		31.1	31.9	0.80	062	28	<5	0.48	38	162	632
"		31.9	33.6	1.70	063	24	<5	0.60	34	89	262
"		33.6	34.2	0.60	064	40	<5	1.25	38	190	674

PAGE 5 OF 5 | PROJECT TAIGA | HOLE REN98-14

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY
					26.5 - 30.1 ARGILLITE CHERTY WITH CARBONACEOUS SHALE INTERBEDS ARG$_{cp}$ VARIABLY BARITIC Black argillite, much more competent than preceding units. Cut by numerous veinlets of rusty-orange FeCb?, ± gypsum ± minor calcite. Rare quartz veinlets with rusty cores. Patchy olive-green, brown & orange zones. Carbonaceous shale interbeds - difficult to establish thickness as they are very soft, broken & likely very poorly recovered. Patches of white powdery substance on core after sitting overnight (sulphate or phosphate?). One sub-angular fragment - heavily fr ± gypsum healed veins (lower unit?)		
					30.1 - 34.2 BLACK CARBONACEOUS TO GRAPHITIC SHALE (BARITIC) SHALE Black sooty soft shale. Weakly to patchy moderately baritic. Breaks down very easily. Porous ~~±~~. Contains clasts up to 2cm of rusty stained shale with stockwk veinlets. Host shale not veined except for rare zones of very fine gypsum? veinlets. Patches of powdery white coating as seen in preceding unit. Fragments are rare (<1% frags) Rusty in zone 32.6 - 34.14		

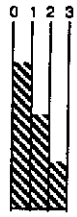
EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1372 m
HOLE: REN98-15	AZIMUTH: 000°
LOCATION: 7179821 N , 637399 E	DIP: -70°
LOGGED BY: JASON WEBBER	LENGTH: 72.54 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 24.90 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 68.2 m
CORE SIZE: BTW	
DATE STARTED: JUNE 8/98	DATE COMPLETED: JUNE 10/98
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
72.54 m	-57.5°	000°			

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

Step back from REN97-07 to attempt to intersect mineralization 25 m downdip from REN97-07.

SUMMARY LOG

0.0 - 3.05 : CASING

3.05 - 11.50 : SILICEOUS, BLACK CHERTY ARGILLITE; WHITE PPT; POOR RECOVERY.

11.50 - 24.30 : SHALE BRECCIA; ARGILLITE, SHALE, LIMESTONE CLASTS IN A CARBONACEOUS, PUNKY MATRIX; FILLED VUGS; WEAK BARITE

24.30 - 29.87 : SHALE BRECCIA AS ABOVE; MORE CARBONACEOUS

29.87 - 32.92 : NO RECOVERY

32.92 - 42.06 : SHALE BRECCIA AS @ 24.30 - 29.87 m

42.06 - 49.50 : BARITIC LIMESTONE; CLAST-SUPPORTED BRECCIA W/ ARGILLACEOUS MATRIX; CALCITE CRACKLE-BRECCIATED

49.50 - 51.30 : CHERTY ARGILLITE; BRECCIATED W/ LIMESTONE CLASTS, tr AN

51.30 - 55.90 : CHERTY SHALE W/ CALCAREOUS LAMINAE, tr PY

55.90 - 57.20 : FAULT ZONE; STRINGER, BLEBBY CALCITE

57.20 - 64.40 : CHERTY SHALE, W/ CALCAREOUS LAMINAE AS @ 51.30 - 55.90 m

64.40 - 65.90 : FAULT ZONE, AS @ 55.9 - 57.2, MORE GOUGE, BRECCIATION

65.90 - 66.45 : CHERTY SHALE W/ CALCAREOUS LAMINAE AS @ 57.2 - 64.4 m

66.45 - 66.90 : FAULT ZONE, AS @ 64.4 - 65.9 m

66.90 - 72.54 : CHERTY SHALE W/ CALCAREOUS LAMINAE AS @ 57.2 - 64.4 m

72.54 m - EOH

PAGE 1 OF 8 | PROJECT TAIGA | HOLE REN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: gypsum veins	Fe CB veins	CA veins	white ppt			FRACTURE INTENSITY
					0-3.05 CASN							
3.05	0	0	CASN									
	8	0	ARGILL		3.05-11.5 GREY TO BLACK CHERTY ARGILLITE (ARGCC) Grey to black siliceous argillite Mostly pebbles, poor recovery Contains carbonaceous horizon ≤ 1cm thick. Weak white ppt on core after sitting overnight. Weakly conductive							
5												
5.49	0	0	No Core									
6.71	3	0	ARGCC	Rubble								
8.53	11	0										
10												
10.36	16	0										
11.58				11.5								
	56	36			11.5-24.3 (SHBX BA, CB) MDST CB, BA, BX Cherty argillite +/or shale, calcareous shale + unidentified lighter siliceous + calcareous fragments (vein qz/ca ppt or limestone fragments). Clasts							
13.11												
	66	14										
14.02				rusty frags with fr set.								
	67	0										
14.68			UNBX									
5	87	0										
	79	16			are generally angular, in a carbonaceous matrix. Zones of calcareous matrix likely to be limestone balls (@ 14.8m) (no clasts within 16.35-17.5m PY as sub-rounded fragments, as well as along fractures & breccia fillings. <1% PY over interval. Sulphate? coating on core strongest 11.6-17.7m. (esp. from 16-17.7m). Some interval yields royal blue stain when zinc zap applied (indicates iron). Core is heavily							
16.15												
	59	21										
17.68												
	57	4										
18.90												
	44	0										
20.73												
	56	7										
				partings	fractured with more competent zones containing abundant open spaces along fr. (matrix of bx washed away)							
22.25												

PAGE 2 OF 8 | PROJECT TAIGA | HOLE RGN98-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Rubble ± minor jarosite Recovery <20%		3.05	8.67	5.62	313065	88	<5	3.37	24	193	1365
Rubble ± minor jarosite Recovery <20%		8.67	10.36	1.69	066	22	<5	2.19	46	66	150
As above		10.36	11.50	1.14	067	96	400	1.43	24	66	218
Strong white ppt on core + minor jarosite		11.50	13.11	1.61	068	34	9320	3.69	24	379	3080
As above		13.11	14.02	0.91	069	34	50	6.51	22	254	2170
Rubble with white ppt + minor JA		14.02	~~15.95~~ 14.63	0.61	070	30	<5	14.25	17	393	3380
GYP/FeCB vcwlets		14.63	15.40	0.77	071	80	<5	2.97	27	189	1550
As above Note dot # series		15.40	15.95	0.55	313087	20	<5	1.52	24	122	694
Strong white ppt on core		15.95	16.7	0.75	313072	66	1840	1.71	36	155	1145
PY as clasts + ba matrix (<1%)		16.7	17.7	1.00	073	40	<5	1.23	25	201	1665
↓ white ppt.		17.7	18.9	1.20	074	47	<5	0.95	32	106	543
as above		18.9	20.73	1.83	075	34	<5	1.09	27	162	1485
weak ja on fracs		20.73	22.25	1.52	076	36	<5	0.84	43	195	1310
As above		22.25	23.16	0.91	077	30	<5	0.62	38	121	878

PROJECT TAIGA

HOLE REN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Gypsum Veins	ALTERATION: Fe-Ca-Mg	ALTERATION: Calcite	ALTERATION: White ppt	ALTERATION:	ALTERATION:	FRACTURE INTENSITY
					cont.							
23.16	55	0			Core is baritic, cut by numerous Fe-Ca + gypsum veins (as well as ea unit). Decreases from ~ 15m down section. Zones oxide (jarosite), + mottled green + brown to rusty brown (probably FeOx) In places white ppt turn blue when Zinc zap applied or dark orange in others (16-16.35m) Unit resembles a variable cemented poorly lithified fault bx. Weakly - moderately conductive							
23.77	41	0										
25	94	0										
25.30	52	0										
26.18	13	0										
28.38	20	0										
29.87	13	0										
31.39	0	0		NO CORE	24.3-42.06 SHBX cr, BA FAULBX, CR, BA Texturally quite similar to the above unit, with greater carbonaceous component. Unit is sooty, as seen in other holes to date in this area. Extremely friable, easily broken apart by hand Contains abundant cherty fragments - in places seems clast supported Baritic. Gypsum? xtals (sprinkly transparent spikes + acicular masses) Visible under 40x microscope Cut by orange-rusty gypsum? stringlets @ bottom portion of unit. Lesser sulphate coating on core Slightly punky weathering moderately conductive No core 29.87 - 32.92							
32.92	0	0										
35	23	0										
35.97	7	0										
39.01	11	0			42.6-49.5 BRECCIATED BARITIC LIMESTONE LMST BABX Fine to medium grained (LMST BABX) limestone. Baritic (mud), Fetid Finely laminated down to ~42.3m Brecciated to base of unit. Two styles present (or apparently two styles) or phases ①. Brecciated limestone with variably calcareous shale to cherty argillite (or shale) ① Re-brecciation of the above style							
42.06	54	0										
42.98	77	15										
44.50	98	66										
45.11												

PAGE 4 OF 8 | PROJECT TAIGA | HOLE REN98-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
As previous - poor recovery		23.16	24.30	1.14	313078	32	<5	0.57	31	95	542
Gypsum veinlets, rusty fr.		24.3	26.82	2.52	079	34	<5	0.53	60	156	730
Poor recovery in Ja coatings on fracs		26.82	29.87	3.05	080	20	<5	0.37	52	110	386
		29.87	32.92	3.05	No Core						
Weak white ppt on core - poor rec.		32.92	35.97	3.05	081	20	<5	0.78	57	150	668
Same as above Very poor rec.		35.97	39.01	3.04	082	42	<5	2.31	103	268	814
Rusty gypsum + Felds veins Very poor rec.		39.01	42.06	3.05	083	40	<5	0.81	61	125	376
Laminated/bx LMSTBA		42.06	42.98	0.92	084	24	<5	0.28	3	30	396
Laminated LMSTBA		42.98	44.10	1.12	085	26	<5	0.69	3	27	346
Sample Blank					313086	<2	<5	0.01	<1	<1	12
Bx LMSTBA		44.10	44.9	0.80	313088	<2	<5	0.78	5	58	360

* Note 313087 is out of order in series.

PROJECT TAIGA

HOLE RAN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA VNLTS	ALTERATION: EXP VNLTS	FRACTURE INTENSITY
	60	60			with calcite veinlets & stringers as well as open space CA fillings between bx clasts (44.5-44.7m)			
46.02					The entire unit is cut by CA veinlets, quartz veinlets (fewer than calcite) & minor gypsum veinlets			
46.44	120	100			Shale interstitially to clasts is in irregular masses with wispy margins as vein-like stringers < 1-2mm (giving a peppered appearance. Sections of shaley matrix with finely interspersed calcite or limestone fragments (± barite.) - possibly recrystallization			
47.5	82	59			Unit is clast supported in zones up to 30% shale/argillite material. Hematite on fr. Very weak green coatings on frac @ & base of unit.			
48.16								
50	80	31						
51.21								
52.5	94	46						
54.25								
55								
	85	55			49.5- 51.3 BARITIC CHERTY ARGILLITE BRECCIA LIMESTONE CLASTS (ABA, AX) Cherty argillite with clasts of limestone. Matrix supported. clast size ranges <1 mm - 3cm Looks to be 1° sedimentary clasts fallen into muddy matrix. Distorted beds around clast & ~~mud~~ lapping on to the larger ones. Narrow slips truncated clasts occasional 10-m CA veinlets, as 60YR. Clasts are angular, some very weakly laminated. Tr Annabergite (AN) as faint green coating on fracs. Unit Very weakly conductive			
57.30								
57.5								
	89	55						
60								
60.35								
	85	61						
62.5								
63.40								
					51.3- 58.9 BARITIC BLACK CHERTY SHALE WITH CALCAREOUS LAMINAE (SHALE (CA)) Dark grey to black cherty shale with laminae of calcareous shale. Narrow zones of finely laminated non-calcareous & calcareous shale. Tiny 1" blebs of PY 1" to bedding. Blebs recurring @ 52.7m.			
65	95	64						
66.45								
	89	61						
67.5								

PAGE 6 OF 8 | PROJECT TAIGA | HOLE REN98-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		44.9	46.0	1.10	313089	234	<5	9.55	4	31	114
Wk HE on fracs.		46.0	47.0	1.00	090	156	<5	2.60	3	26	256
Wk He & Very faint green stain on fracs		47.0	48.0	1.00	091	158	<5	2.32	4	35	112
		48.0	49.5	1.50	092	2	<5	17.35	3	40	284
JA on fracs		49.5	50.3	0.80	093	22	<5	0.96	56	394	466
Weak JA "		50.3	51.3	1.00	094	14	<5	0.33	55	234	435
" "		51.3	52.3	1.00	095	14	<5	0.35	63	260	422
					dup						
Tr PY		52.3	53.2	1.00	096	14	<5	0.31	57	189	262
Weak JA + calcite veins		53.2	54.25	1.05	097	14	<5	0.31	65	202	282
" " " "		54.25	55.2	0.95	098	14	<5	0.31	62	199	246
" " " "		55.2	55.9	0.70	099	16	<5	0.42	56	174	282
strong CA veinlets + gouge		55.9	57.2	1.30	313100	16	<5	1.18	39	170	400
weak JA on fracs		57.2	58.2	1.00	101	18	<5	0.92	64	209	416
		58.2	59.2	1.00	102	16	<5	0.51	50	160	260
		59.2	60.2	1.00	103	18	<5	0.56	58	185	318
		60.2	61.2	1.00	104	20	<5	0.62	60	190	390
		61.2	62.2	1.00	105	34	<5	0.29	71	255	4590
SAMPLE BLANK					313106	<2	<5	0.01	2	9	248
		62.2	63.2	1.00	107	36	<5	0.48	53	218	4070
		63.2	64.8	1.60	108	30	<5	1.06	57	192	3560
Strong calcite in fault zone		64.8	65.9	1.10	109	16	<5	0.72	57	197	266
"		65.9	66.45	0.55	313110	26	<5	0.64	70	227	1680
" "		66.45	66.9	0.45	111	46	<5	0.57	63	364	3080
Str Calcite veinlets		66.9	68.4	1.50	313112	38	<5	0.31	84	276	4790

PAGE 7 OF 8 | PROJECT TAIGA | HOLE REN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION (CA units)	FRACTURE INTENSITY
69.49				+ fr	Two parallel elongate blebs of py (~1 cm long x 1mm wide) parallel to bedding @ 52.7m (~75° TCA)		
70				+ fr	Calcite veinlets // to shaley partings as well as a set roughly perpendicular along a fine fracture set. This set host fine stringers and may or may not show movement ⊥ to bedding (= partings). Another set exists (Calcite veins) @ 45° TCA		
70.94	97	82		+ fr			
			8.0m.		55.9- 57.2 FAULT ZONE (FAUL)		
75					Intensely fractured zone with very strong stringer + blebby Calcite. Zone has been intensely deformed + brecciated. Gougey zones with sericite + weak clay		
					57.2- 64.4 BLACK CHERTY SHALE WITH CALCAREOUS HORIZONS. (SHALE/CA) Similar to 49.5 - 51.3 m slightly more calcite veining + large calcareous zones		
80					64.4- 65.9 FAULT ZONE (FAUL)		
					Similar to 55.9 - 57.2. Strong breccia zone @ top of interval ↓ gouge. Large zones of cherty shales, brecciated with little gouge. Bottom 50 cm strongest gouge, sericite		
					65.9- 66.45 BLACK CHERTY SHALE & CALCAREOUS HORIZONS (SHALE/CA)		
					Same as 57.2-64.4 m		
					66.45- 66.9 FAULT ZONE Same as 64.4-65.9 (FAUL)		
					66.9- 72.94 BLACK CHERTY SHALE & CALCAREOUS HORIZONS (SHALE/CA) Same as 57.2-64.4 m & ↓ calcite veining.		

PAGE 8 OF 8 | PROJECT TAIGA | HOLE RAW TB-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Mod Calcite veinlets		66.9	68.4		~~313112~~						
" " "		68.4	69.9	1.50	313113	44	<5	0.30	73	266	4610
" " "		69.9	71.4	1.50	114	37	<5	0.40	66	201	3755
" " "		71.4	72.54	1.14	313115	38	<5	0.41	62	203	4570

* Note 313087 is out of order
Y appears @ 15.4-15.9%

PAGE OF

PROJECT

HOLE

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1393 m
HOLE: RGN98-16	AZIMUTH: 000°
LOCATION: 7179831N, 637547E	DIP: -70°
LOGGED BY: JASON WEBBER	LENGTH: 60.05 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 30.0 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 52.0 m
CORE SIZE: BTW	
DATE STARTED: June 10, 1998	DATE COMPLETED: June 11, 1998

DIP TESTS BY: ACID

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
60.05m	-70°	000°			

OBJECTIVE

Redrill from pad @ site for hole RGN98-14 with a -70° dip. Moved drill ahead 4 metres & setup. The target is a 35m down dip extension from RGN98-08.

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

0.0 - 4.57m: CASING

4.57 - 14.30m: DUNHAM BRECCIA ± CARBONACEOUS SHALE MATRIX AND SILICEOUS SHALE AND BASALTIC LIMESTONE CLASTS

14.30 - 15.10: CALCITE ± GYPSUM ± QUARTZ VEINS

15.10 - 22.00: SHALE DUNHAM AS ABOVE; OLIVE-GREEN MOTTLING, SIDERITE

22.00 - 24.20: CALCAREOUS, CARBONACEOUS SILTSTONE; SOFT, POROUS

24.20 - 27.90: SHALE BRECCIA, AS @ 15.1-22.0; GRAPHITIC, DUNHAM, FRIABLE

27.90 - 32.91: SILTY SHALE; INTERBEDDED CARBONACEOUS, CALCAREOUS HORIZONS; BASALTIC LIMESTONE ? CLASTS

32.91 - 35.66: LIGHTLY BLACK SHALE, BASALTIC; CALCITE, SIDERITE VEINS

35.66 - 38.10: INTERBEDDED CARBONACEOUS BLACK SHALE ± SILTY SHALE

38.10 - 42.50: LIGHTLY CALCAREOUS SHALE INTERBEDDED ± CARBONACEOUS BLACK SHALE

42.50 - 53.70: SOOTY, BLACK CARBONACEOUS SHALE;

53.70 - 60.05: BASALTIC LIMESTONE; CA, FELD VNLTS; TRANS; JADE ON FRACTURES

60.05: E.O.H.

PAGE 1 OF 7 | PROJECT TAIGA | HOLE REN98-16

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA veins	ALTERATION: GYP veins	ALTERATION: JA on fracs/veins	FRACTURE INTENSITY
					0-4.57 CASN				
	0	0	CASN						
4.57					BARITIC				
	16	0			4.57- 14.3 BLACK CARBONACEOUS BRECCIA WITH MIXED LITHOLOGY FRAGMENTS FLOATING IN A SOFT SHALEY MATRIX (MOST EXCEEDS) Soft black baritic unit commonly seen in hanging wall to LAVSTaa. Very carbonaceous ground up shaley matrix with siliceous shale (rounded - subround) fragments, poss. bk LAVSTaa frag, gypsum fragments/vein fragments & jarosite coated fragments of unknown lithology. Sizes range 0.2 cm to 2.5 cm in size "floating" in the matrix. No calcite or calcareous fragments. Matrix ranges mud to silt in composition. Becomes graphitic with depth (but patchy) Very porous, weakly to moderately conductive. Jarosite on fractures down to 9 m. Fault breccia?				
5.18									5
	65	0							
6.71									
	99	43							
8.23									
10									10
	98	72			Total 1-2% clasts				
11.28									
	76	4			w/ shaley package				
14.32					cavity >25 cm.				
15					cavity ~15 cm				15
					14.3-15.1 CALCITE + MINOR GYPSUM + QUARTZ VEIN (VEINLET) ~1/ Two calcite + minor gypsum + quartz veins over interval. First is >25 cm T.W + second is ~15 cm T.W Both contain clasts of shaley wallrock, + rusty gypsum veins cross cutting (<1 mm). Zones between veins contain stringer stockwork of calcite. Quartz as very minor blebs within veins. Possibly v. wk FeCB.				
	74	21							
17.37									
20	39	11							20
20.42									
	72	30							
22.70									

PAGE 2 OF 7 | PROJECT TAIGA | HOLE RSN98-16

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Rubble poor rec Ja on fracs.		4.57	6.71	0.14	313116	26	<5	0.66	39	40	474
6.71 - 10.7m. Weak yellow brown mottling (Ja) on clasts. Weak white ppt on core. Ja + He on fracs.		6.71	7.7	0.99	117	28	<5	0.34	24	174	848
		7.7	8.7	1.00	118	42	<5	0.46	29	47	102
		8.7	9.7	1.00	119	22	<5	0.49	33	43	56
		9.7	10.7	1.00	313120	34	<5	0.33	34	112	364
10.7 - 12.7m Similar to above minus mottling, + weaker Ja/He.		10.7	11.7	1.00	121	28	<5	0.35	34	49	132
		11.7	12.7	1.00	122	20	<5	0.54	35	41	108
Rusty envelopes to CA veins.		12.7	14.3	1.60	123	30	<5	0.94	40	65	240
CA, + GYP QZ veins. rusty veinlets x-cutting majors		14.3	15.1	0.80	124	10	<5	0.39	12	98	824
Weak Ja on fracs.		15.1	16.75	1.65	125	22	<5	0.86	33	102	283
Mod oxidation Ja on veinlets of CA + Gypsum.	*	16.75	17.9	1.15	313162*	32	<5	0.82	32	51	144
↓ oxidation		17.9	20.42	2.52	126	36	<5	0.65	45	44	196
Ca / Gypsum veinlets + one 5cm CA		20.42	22.0	1.58	127	42	<5	0.48	64	174	1310
V WK Ja + w Ca veinlets		28.0	28.0	1.00	313128	8	230	0.27	6	155	850

PAGE 3 OF 7 | PROJECT TAIGA | HOLE REN98-16

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ca units	ALTERATION: gyp. units	ALTERATION: Fe-Ca units	ALTERATION:	ALTERATION:	ALTERATION: Ja on fracs	FRACTURE INTENSITY
24.69												
25												
	88	22			15.1-22.0 BLACK BARITIC CARBONACEOUS BRECCIA (MDST$_{BX,CR,BA}$) WITH FRAGMENTS OF MIXED LITHOLOGY. Weakly conductive with patchy mod-str. Similar to interval from 4.57-14.3 with smaller fragments & more heavily fractured, less competent core. More 'punky' texture to core & abundant jarosite 17.3-20.5m. Calcite veinlets (one ~5cm T.W.) cut by numerous very thin gypsum veinlets. Often associated ± JA, HE. Resembles a fault breccia. Narrow zones of olive green-brown mottles.							
	36	4			Cr zone rubble							
26.52												
	23	0										
28.04												
	61	0										
29.26												
	41	0			22.0-							
30 29.87					24.2							
	89	7			gr fr SOOTY CARBONACEOUS, CALCAREOUS BLACK SILTSTONE WITH CHARTY ARGILLITE BEDS & CLASTS. (SLST$_{CA,CB}$)							
31.39												
	82	41			gr fr Unit is dominantly 80-90% Carbonaceous, calcareous siltstone with ~10% clasts of siliceous shale or argillite. Unit is fairly competent, but porous. Siliceous beds may be large clasts. Beds/clasts up to 15cm. Mottled olive green. Weak JA on fracs							
32.16												
	75	36										
34.14												
35	85	13			~2-3cm Ca units with FeCB							
35.66												
					24.2- BLACK BARITIC CARBONACEOUS BRECCIA							
					37.8 (MDST$_{BX,CR,BA}$) Similar to 15.1-22.0m. Carbonaceous with graphitic zones. Possibly a limestone bed @ 24.4m. Unit is soft, somewhat punky textured & very friable. Poor recovery. Upper contact gradational, lower as well.							
	72	39										
38.71												
	77	24										
39.62												
40												
	85	26										
41.15					27.8- 32.91 BLACK BARITIC CARBONACEOUS SILTY SHALE WITH CALCAREOUS BEDS & FRAGMENTS (SHAL$_{BA,CB/CA,GR}$) Similar to 22.0-24.2m with possible large clasts & the calcareous horizons. Horizons aren't well defined (don't seem to be limestone beds). Abundant graphitic zones. Shaly partings							
	74	33										
41.76												
	52	20										
44.81												

PAGE 4 OF 7 | PROJECT TAIGA | HOLE REN98-16

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
↓ Same as previous		23.0	24.2	1.20	313129	6	1210	0.21	9	169	774
Same as previous		24.2	27.8	3.60	130	42	<5	0.49	64	277	2270
Broken rubbly poor recovery. Very few veinlets		27.8	29.26	1.46	131	22	<5	0.49	63	231	386
Same as above		29.26	30.2	0.94	132	16	<5	0.70	47	248	600
↑ Ca veinlets		30.2	31.3	1.10	133	18	<5	1.84	51	297	666
Ja on fracs FeCB/Ca veinlets		31.3	32.9	1.60	134	24	<5	2.16	47	468	2650
SAMPLE BLANK					313135	<2	<5	0.01	<1	1	18
Weak Ca stockwork		32.9	34.1	1.20	136	18	<5	4.58	49	597	874
↑ Ja, mottle olive-green + brown in Bx matrix,		34.1	35.1	1.00	137	10	<5	6.63	44	593	876
Ca, gypsum FeCB stockwork %		35.1	35.65	0.55	138	10	<5	9.70	42	763	1570
Same as previous		35.65	36.0	0.35	139	26	<5	4.10	44	335	1580
↓ veining + Ja		36.0	37.0	1.00	313140	20	<5	3.69	31	305	1570
↳ Ja on fracs		37.0	38.1	1.10	141	38	<5	3.96	48	197	848
Wk Ja + fr He.		38.1	39.6	1.50	142	14	<5	4.16	52	366	1160
UNSTBA HORIZON?		39.6	39.9	0.30	143	388	<5	7.99	3	23	1210
Ca stockwork + Ja on fr.		39.9	40.9	1.00	144	10	<5	2.30	37	275	1425
Mod Ja on fracs + veinlets		40.9	41.9	1.00	145	17	<5	0.51	61	415	1938
Same as above		41.9	42.5	0.60	146	30	<5	0.56	42	244	1530
Broken zone - poor rec		42.5	44.6	2.10	147	22	<5	0.61	59	49	68
Same as above		44.6	46.0 ~~49.55~~	1.40	148	16	<5	0.21	44	124	290

PAGE 5 OF | PROJECT TAIGA | HOLE REN98-16

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA vnlts	Grey P vnlts	FeCB vnlts			SA	FRACTURE INTENSITY
45												
46.02	41	9			@ low angles to core axis. Weakly to strongly conductive (patchy) weak calcite veinlet stockwork 30-31 m with dominant vnlt oriented @ // TCA. Weak FeCB (siderite looking vnlts)							
47.65	16	0										
48.71	43	11			32.91 - 35.66 SILICEOUS BLACK SHALE (BARITIC) (SHALCT,BA) Heavily fractured black cherty, baritic shale with clasts of calcareous shale + zones of carbonaceous to graphitic shale/gouge (Fault zones // to shaley partings) Weak to moderate stockwork of fine CA, FeCB vnlts CA vnlts commonly have dark brown (FeCB?) wires or selvages FeCB many orientations, CA mainly // TO CA.							
50	53	15										
50.29												
51.51	90	18										
52.73	57	0		fractured/ rubblezone								
53.95	78	19										
54.56	82	0										
55	89	71			35.66 - 38.1 DARK GREY TO BLACK SILTY SHALE WITH ZONES OF CARBONACEOUS BLACK SHALE (BOTH BARITIC) (SHALCB) Similar to above silty shale vnlts, however no fragments visible (may not be discernable in rubble) Soft, sooty, friable graphitic zones likely reflect zones of narrow faulting. Very fine CA vnlts. Bedding/shaley partings @ 40-60° TCA & CA + FeCB vnlts							
57.0	85	39										
58.05	93	64										
					38.1 - 42.5 INTERBEDDED CHERTY CALCAREOUS SHALE + CARBONACEOUS BLACK SHALE (SHALCT,CALCB) Black cherty calcareous shale interbedded with grey carbonaceous black shale Laminae range from 2mm to 5 cm. 2 Beds of finely laminated baritic limestone 5cm + 30cm thick @ 39.3 + 39.55 m respectively FeCB/CA vnlt stockwork (W), SA on fracs. Lower contact sharp @ 50°							

PAGE 6 OF 7 | PROJECT Targa | HOLE RGW18-16

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Same as previous		46.0	47.85	1.85	313149	26	<5	0.47	53	204	722
Ja + Hc on fracture in rubble		47.85	48.77	0.92	313150	114	<5	0.60	96	300	1940
Wk Ja		48.77	50.0	1.23	151	30	<5	1.00	89	87	116
Tr Ja		50	51.5	1.50	152	28	<5	1.16	70	235	376
Rubble ± Ja (weak)		51.5	52.73	1.23	153	20	<5	1.15	36	94	198
Same as above		52.73	53.7	0.97	154	32	<5	2.65	52	237	946
Limsi,Ba ± Ja on fracs.		53.7	54.6	0.90	155	242	<5	10.30	3	232	650
SAMPLE BLANK					313156	<2	<5	0.03	<1	1	16
Annabergite (fr) on fracs. & CA/Sulf. veinlets?		54.6	55.8	1.20	157	26	<5	2.40	45	598	3190
Limsi,Ba ± Ja on fracs		55.8	57.0	1.20	158	162	<5	3.47	3	159	478
↓ Ja on fracs. 57-60.05m		57.0	58.0	1.00	159	2	<5	3.22	3	31	34
		58.0	59.0	1.00	313160	242	<5	3.32	2	32	50
		59.0	60.05	1.05	313161	<2	<5	2.85	1	23	38
Note: 313162 is inserted @ 16.75 - 17.9m.											

PAGE 7 OF 7 | PROJECT TAIGA | HOLE REN98-16

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY
					42.5- 53.7 SOOTY BLACK CARBONACEOUS BARITIC SHALE (SHALBA) Black sooty carbonaceous to graphitic shale. Becomes more graphitic with depth. Graphitic zones tend to be very disrupted & heavily fractured to rubble. Occasional Ca +/or FeCB veinlets becoming more common with depth. JA on fractures (w), patchy local punky texture. Weakly to (patchy) moderately conductive. Lower contact @		
					53.7 - 54.6 BARITIC LIMESTONE (LMSTBA) Grey baritic limestone with JA + HG on fractures. FeCB on fracs as well. Cut by Ca veins with rusty to dark brown envelopes. Both upper + lower contacts may be fault contacts		
					54.6-55.8 BLACK CARBONACEOUS, BARITIC SHALE (SHBA) WITH CALCITE + IRON CARBONATE STOCKWK FAULT SLIVER OF SHALE. Heavily fractured/veined. Abundant low angle fractures with Ca + FeCB veins. Lower contact @ 20° TCA.		
					55.8 60.05 BARITIC LIMESTONE (LMSTBA) Grey baritic limestone as seen 53.7-54.6m. ↓ JA + HG on fracs (strongest within 1m of upper contact) Fracturing @ 60° prevalent @ top of section with Ca + FeCB. Very weak chalcocite @ upper contact on fractures. Base of unit contains abundant wavy meandering "veinlets" of argillaceous material. Pressure soln features? Very thin ~0.5m or less Zones of brx where frags all < 2-3mm in dark argillaceous matrix.		

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1357.0 m
HOLE: REN98-17	AZIMUTH: 000°
LOCATION: 7179830N, 637325E	DIP: -70°
LOGGED BY: JASON WEBER	LENGTH: 307' (93.57m)
DRILLED BY: FALCON DRILLING LTD.	HORIZONTAL PROJECTION: 32.0 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 87.9 m
CORE SIZE: BTW	
DATE STARTED: JUNE 11 / 98	DATE COMPLETED: JUNE 13 / 98

DIP TESTS BY: ACID

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
93.57 m	69.5°	000°			

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

TO TEST STRIKE EXTENT OF REN97-07 MINERALIZATION 50 m TO THE WEST.

SUMMARY LOG

0.0 - 2.13 m: CASING
2.13 - 17.60: CHERTY ARGILLITE
17.60 - 35.30: PYRITIC, BARITIC, CARBONACEOUS TO GRAPHITIC SHALE
35.30 - 44.30: BARITIC LIMESTONE; ARGILLACEOUS LAMINAE, FeOx
44.30 - 46.10: CALCAREOUS, CARBONACEOUS SILTY SHALE; LIMESTONE BALL?
46.10 - 58.60: SOFT CALCAREOUS, CARBONACEOUS SHALE; POOR RECOVERY
58.60 - 69.30: SOFT, GRAPHITIC BLACK SHALE; FAULT ZONE?
69.30 - 71.80: CHERTY BLACK ARGILLITE
71.80 - 73.76: CHERTY, CALCAREOUS SHALE
73.76 - 75.25: CALCAREOUS, CHERTY ARGILLITE
75.25 - 84.10: BRECCIATED BARITIC LIMESTONE
84.10 - 89.50: CHERTY SHALE WITH INTERBEDDED CALCAREOUS HORIZONS
89.50 - 93.57: BLACK, CARBONACEOUS, CALCAREOUS SHALE
93.57: E.O.H.

PAGE 1 OF 12 | PROJECT TAIGA | HOLE RBN98-17

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ca veins	ALTERATION: Gyp veins	ALTERATION: Ja on fracs.	FRACTURE INTENSITY
0					0-2.13 m CASN				
2.13	•	0							
2.5	47	0			2.13-17.6 CHERTY ARGILLITE. Weakly BARREN (ARGCT) Dark grey to black cherty argillite with calcareous zones. These zones are not likely limestone beds as they are fragments (angular) in an cherty argillite matrix Clast size ranges .2-3.0 cm each are confined to zones ≤50 cm in width. Cut by calcite veinlets ≤1 mm thick commonly ± gypsum. Both weakly. White ppt on core after sitting overnight. Strongest in heavily fractured zones. Fractures weakly graphitic locally & more commonly, carbonaceous. Jarosite & weaker Hematite on fractures, strongest at top of hole. Weakly barite Weakly - moderately conductive Lower contact is sharp but in rubble Beds are @ ~50° - probable contact attitude.				
4.27									
5	44	0							5
7.01									
7.5	32	0							
7.64				60°					
	70	4		10° 25° fr clv ±/w bedding					
9.91				gr. veins 70°					
10	89	27		fr 60°					10
10.30									
	83	20							
12.5				Ca veins					
				fr 65°					
13.41									
				Ca veins					
15	93	69							15
16.46									
				Ja on fr 25° bed 50°					
17.5	82	9							
					17.6-35.3 m BLACK CARBONACEOUS SHALE to Graphitic (SHALca-GR,BA) Black very soft, carbonaceous shale. Very easily scratched with a knife. Poorly consolidated zones weakly indurated. Ranges to mudstone in places. "Punky" textured zones, similar to those seen in RBN98-13 to 15				
19.51									
20	66	23							20
22.56									

PAGE 2 OF 18 | PROJECT TAIGA | HOLE RGN98-17

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
2.13 - 7.64. Wk QA veins + Ja on fracs.		2.13	4.27	2.14	313163	22	<5	3.14	27	137	1085
		4.27	5.4	1.13	164	28	<5	1.91	28	97	680
		5.4	7.64	2.24	165	22	<5	1.44	30	48	254
7.64 - 14.9m Mod Ja on fracs, orange w. violets rare (Fe Ox) Trace white ppt on core		7.64	9.91	2.27	166	22	<5	2.33	29	96	528
		9.91	10.9	0.99	167	8	<5	1.66	32	96	306
		10.9	12.4	1.50	168	16	<5	0.91	39	114	342
		12.4	13.41	1.01	169	14	<5	0.46	33	104	398
		13.41	14.9	1.49	~~169~~ 313170	22	<5	0.46	38	90	290
14.9 - 17.6 m ↑ Ja on fracs		14.9	16.5	1.60	170	22	<5	0.59	33	52	138
		16.5	17.6	1.10	172	18	<5	0.40	28	56	184
17.6 - 35.3m - Weak QA vnlts rare Ja. Trace white ppt on core.		17.6	19.5	1.90	173	22	<5	0.49	36	91	350
		19.5	21.0	1.50	174	18	<5	0.43	29	267	902
		21.0	22.6	1.60	313175	8	<5	0.40	30	142	762

PROJECT TAIGA

HOLE RGW98-17

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CARBONATE VEINS	ALTERATION: GYP VEINLETS	ALTERATION:	ALTERATION:	ALTERATION:	ALTERATION: Fe on fracs	FRACTURE INTENSITY
225					Graphitic surfaces on shaley partings common. Siliceous shale with graphitic partings spaced <1mm. Extremely friable Mudstone-like zones are extremely carbonaceous & don't seem to have shaley cleavage, but breaks along a consistent cleavage orientation comparable to chertier sections. This unit is very likely the less tectonized equivalent of the extremely friable, soft "punky" fragmental units seen in RGW98-13 to 16. Small Zones (<15 cm) present in this section. Decreased calcite veining in this section unit. Tetchy baritic heft. Limestone bcill @ 22.45 - 22.65 m. Rare cherty laminae up to 2cm wide. Becomes more carbonaceous with depth. Also moderately conductive. 28.65 - 35.3 m. Unit becomes extremely fissile breaking into extremely thin flakes. Extremely friable - Crumbles upon touching it. Poor recovery.							
25												
25.60												
	81	18										
27.5												
28.65												
	74	13										
30.0												
30.10												
	20	0										
31.70												
32.5												
32.61												
	56	15										
34.75												
35.0				bedding div. contact @ 70°								
	60	0										
	7	0			34.80 m - 8 cm @ 2 bx veins & rusty oxide stain. Lower contact: cleavage = contact = bedding @ 70°							
34.75												
35.0												
	79	8										
36.27												
	95	46										
37.5												
37.80					35.3 - Baritic Limestone (Limestone)							
	88	82			Cavity 4113 Light to medium grey baritic limestone with jarositic fracture coatings. Irregular laminae of argillaceous material common.							
38.71												
	115	66										
39.62												
40												
	82	53			Cavity Unit cut by calcite veinlets which are commonly stained orange or orange yellow. Laminated light & dark on the scale of <1 mm to 2 mm laminae, although often disrupted & rotated / shifted in relation to one another.							
40.84												
42.5	73	69										
43.89												
45	93	43			Fractures are heavily coated with iron oxides (Jn, Hc + fr 6E. Lower contact sharp but irregular. Bx zones common							

PAGE 4 OF 10 | PROJECT TAIGA | HOLE RaW98-17

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		22.6	23.6	1.00	313176	18	<5	0.52	41	133	320
		23.6	25.6	2.00	177	28	<5	0.74	46	97	174
		25.6	27.1	1.50	178	18	<5	0.47	39	137	578
		27.1	28.65	1.55	179	8	<5	0.56	54	110	190
		28.65	31.70	3.05	180	18	<5	0.68	52	76	488
		31.70	32.6	0.90	181	8	<5	0.27	36	35	80
		32.6	35.3	2.70	182	20	<5	1.71	39	78	746
Biotite quartz with Ja on fractures		35.3	36.3	1.00	184	6	<5	0.01	9	141	560
Sample Blank Cut by Calcite veins					313183	<2	<5	26.1	<1	<1	14
Same as above		36.3	37.3	1.00	185	2	<5	27.6	5	70	242
		37.3	38.3	1.00	186	10	<5	33.1	4	33	34
Same as above		38.3	39.3	1.00	187	<2	<5	16.40	4	72	452
Same as above		39.3	40.3	1.00	188	<2	<5	19.50	3	42	34
Trace Annabergite		40.3	41.3	1.00	189	6	<5	13.45	4	65	152
Biotite quartz with Ja on fractures. Cut by calcite veins		41.3	42.3	1.00	313190	<2	<5	25.3	3	32	14
		42.3	43.3	1.00	191	<2	<5	27.5	6	45	24
43.3 - 47.1 Shale & Calcareous shale cut by Ca veins (w).		43.3	44.3	1.00	192	<2	<5	26.1	10	115	211
		44.3	45.0	0.70	313193	30	<5	2.69	60	352	470

PROJECT TAIGA

HOLE RAW98-17

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA veins	ALTERATION: dyn. veins	ALTERATION:	ALTERATION:	ALTERATION: Hz fr	ALTERATION: Sq fr	FRACTURE INTENSITY
					throughout section with argillaceous & calcite matrixes. Open or vuggy fractures often contain delicate gypsum as acicular masses. Calcite veins commonly @ TCA or @ low angles TCA. Meandering "veins" of argillaceous looking material <1mm thick. pressure solv features.							
40.94												
42.5	80	8										
49.99												
50												
					44.3 - 46.1 (SHALcarb,BA) Grey to Black CALCAREOUS, CARBONACEOUS, BARITIC SHALE/SILTY SHALE. Upper 3m is finely laminated black calcareous shale, with lighter grey calcareous shale/siltstone 9 cm bed of finely laminated salty limestone. Limestone ball? Cut by calcite veinlets ⊥ (or close to) bedding as well as along bedding planes and partings.							
	93	13										
52.5												
53.04												
	69	0										
55												
56.98					46.1 - 58.6 CARBONACEOUS CALCAREOUS BLACK FISSILE SHALES (WEAKLY BARITIC) (SHALcarb) gr. @ ~75° Looks similar to previous unit but not as calcareous, and more carbonaceous & veinlets of calcite Porous. Paper cleavage in places Graphitic partings. Minor cherty horizons. Extremely fissile locally Broken zones with poor recovery Graphitic slips with depth. 59 - 65m - Extremely broken, graphitic poor recovery, calcareous. Graphitic fr. @ multiple attitudes							
	56	0										
57.5												
59.13												
	20	0										
61												
62.18												
62.5												
					58.6 - 68.3 GRAPHITIC, CALCAREOUS SHALE - BLACK soft fissile. (SHALcarb) Extremely broken. multiple orientations of graphitic fr. Calcareous, result in almost entirely rubble. Shaley partings @ ~ 70° Extremely friable w CA veins Fault zone?							
	20	0										
65												
65.23												
	20	0										

PAGE 6 OF 10 | PROJECT TAIGA | HOLE REN98-17

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		45.0	45.7	0.70	313194	8	<5	3.06	38	253	476
		45.7	47.1	1.40	195	20	<5	2.13	56	221	444
47.1 - Carbonaceous chert ↓ -58.6 CA veinlets.		47.1	48.5	1.40	196	14	<5	0.84	56	237	378
		48.5	50.0	1.50	197	14	<5	1.25	58	173	264
		50.0	51.5	1.50	198	26	<5	0.39	60	230	436
		51.5	53.0	1.50	199	18	<5	0.60	44	184	280
		53.0	54.9	1.90	313200	16	<5	0.72	52	153	266
Weak Ja + v wk CA veins		54.9	56.1	1.20	201	30	<5	0.49	62	188	374
↓		56.1	58.6	2.50	202	32	<5	0.54	73	221	466
SAMPLE BLANK					313203	<2	<5	0.02	<1	<1	16
58.6-68.3 Rubble, poor recovery, greyish tuff zone? CA, Ja fragments in rubble		58.6	59.13	0.53	204	34	<5	1.12	77	256	620
		59.13	62.18	3.05	205	42	<5	1.69	70	194	2660
		62.18	65.23	3.05	206	20	<5	0.90	83	241	548
		65.23	68.3	3.07	313207	32	<5	0.34	49	183	410

PAGE 7 OF 10 | PROJECT TAHGA | HOLE REN98-17

DEPTH (M)	% CORE REC	% ROD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Cg Vn Lts	ALTERATION: Dissem Lts	ALTERATION: Cgs Fr	ALTERATION: Hg Fr	ALTERATION: Js Fr.	FRACTURE INTENSITY
68.20					68.3- Black calcareous, cherty siliceous shale, argillite with carbonaceous fractures (SHALSI)						
	41	14			71.8 Black, hard, calcareous. Difficult to scratch with knife, some areas unable to scratch. Weak Js + Hg on fractures. Increased calcite veinlets. Lacks the well developed shiny cleavage of previous unit, although does show a more poorly developed fr. pattern - tends to be uneven irregular fr. Dominant fr orientation similar to bedding in upper units of hole. ~50° TCA. Zones of open space fractures (vein material leached out) often with Hg or Gs						
70											
70.10											
	77	41									
72.5											
73.15											
	37	0									
73.70											
					20-30°						
75											
	96	74									
76.20											
	102	74									
77.42											
77.9					77.9- Black graphitic, cherty argillite						
	89	49			73.76 Faulted zone. (SHALSI, CA)						
					fr @ 50° Graphitic fractures ubiquitous strongly oriented 10-20° TCA + 11 TCA. Weak Hg. Rubble zone.						
78.94					Cg Vn Lts						
80	89	42									
					73.76- Black calcareous siliceous shale, cherty argillite						
81.08					73.25						
				AA'	Similar to 68.3-71.8. Fracture/bedding? @ 20-30° TCA						
82.5	90	57									
					73.25- Brecciated Baltic limestone						
83.32					84.1 with strongly iron oxide coated fractures. (LMSTBA, BX)						
85	92	49			Medium grey baritic limestone clasts (angular) set in a matrix of greyish-black argillaceous calcareous material. Much less veining (calcite) + much darker (more argillaceous) than LMSTBA upbole + occurrences in other holes. No laminated zones in this intersection - totally brecciated. Some banding or sorting of clasts in narrow zones						
86.36											
	71	11									
87.5											
87.48					Slickensided partings						
	63	5									
89.61											
90											

PAGE 8 OF 10 | PROJECT TAIGA | HOLE REN98-17

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
68.3 - 71.8 1% Ca veinlets + Ja, Hm on fracs.		68.3	70.1	1.80	313208	46	<5	0.63	64	207	3780
		70.1	71.8	1.70	209	46	<5	0.40	62	205	3750
71.8 - 73.76 m. Ja, Hm on fracs.		71.8	73.0	1.20	313210	44	<5	0.90	96	351	4110
		73.0	73.76	0.76	211	44	<5	0.38	78	231	3830
73.76 - 75.25 m Ca veinlets.		73.76	75.25	1.49	212	47	<5	1.38	77	236	3405
75.25 - 84.1 m Brecciated Lapilli Tuff & moist Hm, Ja on fracs.		75.25	76.2	0.95	213	<2	<5	27.4	6	43	166
		76.2	77.3	1.10	214	<2	<5	31.2	4	21	82
		77.3	78.3	1.00	215	<2	<5	32.1	5	47	140
		78.3	79.3	1.00	216	<2	<5	31.8	4	44	98
Black sulphide? in stringer of Ca		79.3	80.3	1.00	217	<2	<5	28.6	9	76	136
		80.3	81.0	0.70	218	6	<5	31.8	10	73	232
		81.0	81.6	0.60	219	<2	<5	28.2	6	50	98
Sliver of shale - Ja (mod on fr.)		81.6	82.3	0.70	313220	54	<5	14.4	60	293	314
		82.3	83.3	1.00	821	8	<5	31.6	6	58	174
		83.3	84.1	0.80	222	<2	<5	31.0	4	45	110
84.1 - 89.5 - Rubble poor rec. locally Ja veinlets (weak)		84.1	85.1	1.00	223	22	<5	2.89	86	234	600
		85.1	86.1	1.00	224	24	<5	1.32	65	183	994
		86.1	87.6	1.50	225	28	<5	0.82	96	251	792
		87.6	89.5	1.90	226	16	<5	0.90	52	157	1175
89.5 As above		89.5	91.0	1.50	313227	30	<5	0.45	61	261	1020

PROJECT TAIGA

HOLE RGN98-17

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY
90							
	72	3			Beds of argillaceous material that have < 1cm fragments (angular) floating in matrix. Rip up from wall rock or fallen into mud?		
92.5							
92.66					Multiple horizons of argillite up to 40cm thick. Upper portions contain fragments of the unit		
93.57	88	0					
					Dark veinlets make up a moderate to strong stockwork locally. Lower contact @ 40° This occurrence seems more basitic than uphole occurrence. Sills?		
96							
					BH1-		
97.5					97.50 BLACK CHERTY SHALE WITH CALCAREOUS HORIZONS AND ~~BLACK~~ CARBONACEOUS PARTINGS (SHALSILCA) Black cherty shale, calcareous locally, with interbedded carbonaceous horizons up to 5cm thick. Graphitic partings with slickensides common. Unit is cut by calcite veins sub// TCA. Weak to trace Fe oxides on fracs. Delicate gypsum crystals in open calcite veins. Limestone bed ~5cm @ 86.5m		
					BH1-		
					89.5- 93.57 BLACK CARBONACEOUS SHALE (CALCAREOUS) WITH CHERTY HORIZONS. (SHAL CA,CE) Dominantly black carbonaceous, calcareous shale with possible LMST bulls and cherty horizons. Weak calcite veining with delicate gypsum crystals growing in open spaces. Quite soft friable. 92.6- E.O.H is very soft, fissile rubbley LMST Bull @ 90.50m.		

PAGE 10 OF 10 | PROJECT Tatlay | HOLE RGN98-17

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
90 Sample Blank					313228	<2	<5	1.12	1	8	34
Gypsum + Ca veins.		91.0	92.7	1.70	224	38	<5	0.33	31	198	2280
92.5											
		92.7	93.57	0.87	313230	40	<5	0.51	37	127	570
95.0											

PAGE OF

PROJECT

HOLE

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1371 m
HOLE: REN98-18	AZIMUTH: 000°
LOCATION: 7179839N, 637480E	DIP: -70°
LOGGED BY: JASON WEBB	LENGTH: 45.1m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 15.5 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 42.4 m
CORE SIZE: BTW	
DATE STARTED: June 13/98	DATE COMPLETED: JUNE 14/98

DIP TESTS BY: ACID

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
45.1m	70.5°	000°			

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

TO TEST STRIKE EXTENT OF REN97-09B MINERALIZATION 50 m TO THE WEST

SUMMARY LOG

0.0 - 6.40 m: CASING

6.40 - 13.90: CHERTY ARGILLITE, VERY POOR RECOVERY

13.90 - 14.90: CALCITE ± GYPSUM ± QUARTZ ± DIORITE VEIN ZONE; tr SP, AN

14.90 - 23.16: POLYMICTIC BRECCIA, CLASTS OF SILTY SHALE, LIMY SILTSTONE; CA, SO VEINLETS; WHITE PPT.

23.16 - 27.74: CHERTY ARGILLITE, GRAPHITIC SHALE RUBBLE

27.74 - 29.56: GRAPHITIC SHALE BRECCIA, SIMILAR TO - 23.16 m

29.56 - 33.60: SHALY GRAPHITIC SHALE ± CHERTY INTERBEDS

33.60 - 38.40: CHERTY SHALE WITH CARBONACEOUS PARTINGS

38.40 - 45.11: LAMINATED BARITIC LIMESTONE

45.11: E.O.H.

HOLE LOST TO CAVING.

PAGE 1 OF 6 | PROJECT TAIGA | HOLE REN 98-18

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ca units	Gyp units	Fe-Ca units	w/ the	JA		FRACTURE INTENSITY
					0-3.05 CASN / OVBN							
2.5	0	0										
3.05					3.05- OVERBURDEN / CAVE.							
	71	0			4.88 Moss, gravel, peat, soil							
4.88					4.88- NO CORE RECOVERY							
5.8	0	0			6.40							
6.4					6.40- DARK GREY CHERTY ARGILLITE							
7.5	23	0			13.7 (ARGcc)							
7.92					Very poor recovery - only rubble consisting of pebbles & redrilled fragments. Weak jarosite coating fc. No veining evident - Baritic?							
	2	0										
10												
10.97												
12.5	21	8										
14.02												
					13.7- CALCITE, GYPSUM, QUARTZ, SIDERITE?							
					14.9m VEIN + VEIN BX. (VEINca,gy,qz,SD)							
					Sil units. 2cm of veining dominated							
15.0	52	16			by CALCITE + minor gypsum, quartz + patchy sideritic looking veinlets							
17.01					Brecciated with shaley clasts to 1.5cm as angular fragments. 2cm							
	68	12			is rusty with moderate jarosite. Veinlets of CA + Siderite cut @ ~50°. Lower contact looks to be							
19.25					~ 30° Upper contact sharp but in							
	54	11			rubble. Nickel bloom test gives pink							
20.18					color - may indicate Ni but lots of							
					Fe-oxides may be causing cx. Possible							
	72	0			SL? in vein as dots. (Pale brown							
22.5					colored mineral) B							

PAGE 2 OF 5	PROJECT TAIGA	HOLE fan98-18

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
0-4.88 OVB											
4.88-6.40 No Recovery											
6.4-13.7 - Very poor recovery		6.4	13.70	7.30	313231	18	10	.58	21	40	158
13.7-14.8 Calcite vein with Qz fragments, Fe carbonate & wallrock. Tr Sph, Ni bloom ?		13.7	14.8	1.10	313232	60	15	3.04	8	781	2.62
14.8-17.07 Grey siltstone matrix to brx containing Fe carbonate (brown mottles) trace ankerite, w-m Ja a yellow (pale) oxide		14.8	17.07	2.27	233	26	<5	1.16	28	114	820
		17.07	18.6	1.53	234	24	<5	0.46	40	39	268
White ppt on core. Cut by CA & Fe Cb veinlets.		18.6	20.4	1.80	235	26	25	0.33	33	150	1070
		20.4	21.4	1.00	236	30	<5	0.39	50	198	1740
		21.4	22.4	1.00	237	24	<5	0.44	29	36	124
		22.4	23.16	0.76	313238	24	10	0.55	34	29	132

PAGE 3 OF 5 | PROJECT TAIGA | HOLE REN98-18

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA	GYP	FeCB	white ppt	Ja	FRACTURE INTENSITY
23.16					14.8 - SHBX$_{GR}$						
					23.16						
24.38	4	0			FeCB (bedding?) Black matrix of carbonaceous + graphitic material as well as cmTy hard silty mudstone. Well cemented matrix with sub-rounded to angular fragments of limey siltstone, chert						
25	19	0			Clasts dominantly 1-5mm but larger fragments up to 15cm (locally around 16.4 - 17.1 m)						
26.21											
27.5	39	0			largest clasts are limey siltstone/ limestone. Could be fragments						
27.74					of limestone balls (eg. One curvilinear side w/ angular						
29.26	39	0			irregular sides. Rare 1cm						
30	66	0			FeCB@70° Oval to rounded limey clasts						
30.78					Clasts often completely brown-yello						
32.31	62	0			yrosite stained or (FeCB altered?)						
32.5					limey clasts with alteration rims						
33.03	105	10		60°	50-60° (again FeCB brown-yellow) Strong white ppt on core. Only						
35	39	0			on matrix - doesn't appear on limey or chert clasts. Some						
35.36					olive green to brown clasts.						
	69	0			to 3cm sub-rounded to angular as						
37.5					70° welds. One limey clast cut by Ca						
38.49					90° vnlt. Rare veinlets in matrix - mostly						
	78	36			FeCB. Lower contact in rubble Baritic						
39.93					23.16 - CHERTY ARGILLITE? (ARGILL/SHALE)						
40.54	131	74			to 26.38 Only 30cm recovery (<10%) rubble/						
	82	49			pebbles of cherty argillite + one						
41.45					40° (comm graphitic horizon w 4cm of rubble.						
42.5	98	54			90° FeCB veinlets? Baritic?						
					26.38 SOFT FISSILE CARBONACEOUS TO						
43.59					to 27.74 GRAPHITIC SHALE WITH CHERTY LAMINAE						
	100	66			35° Again - very poor recovery of which						
44.75					98% is frags 2cm or less						
45.1					Minor Ja on faces. Trace Ca						
					veinlets Baritic (ARGILL/SHALE)						
					70°						
					27.74 - SHBX$_{GR}$.						
					29.56 Similar to 14.8 - 23.16 Less FeCB, Ja						
					50° + smaller clasts. Very broken, poor						
					rec. Baritic						

PAGE 4 OF 5 | PROJECT TAIGA | HOLE Rem98-18

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Ag (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Very poor recovery. Fe carbonate veinlets.		23.16	26.3	3.14	313239	28	15	0.70	44	86	798
Rubble - very poor rec		26.3	27.74	1.44	240	18	10	0.80	54	32	102
Graphitic bx as above wk FeCB. wk Jn		27.74	29.56	1.82	241	29	<5	0.71	56	192	585
As above (less bx)		29.56	30.78	1.22	242	24	<5	0.81	59	161	550
		30.78	32.31	1.53	243	26	<5	0.81	65	109	270
Bx - strong white ppt + wk Jn on fracs		32.31	33.6	1.29	244	22	<5	1.06	62	126	260
Bx again - strong white ppt wk Jn		33.6	35.36	1.76	245	18	<5	0.53	31	33	64
Very faint greenish tinge - amygdaloidal		35.36	36.8	1.44	246	12	10	0.50	28	33	78
N. bleach fx on CA FeCB wk Jt		36.8	37.6	0.80	247	22	10	1.05	40	88	284
Faint v. pale green coating on fr.		37.6	38.40	0.80	248	28	35	1.74	80	83	198
		38.4	39.93	1.53	249	<2	15	3.84	7	80	278
Weak Jt on fracs		39.93	41.45	1.52	313250	<2	<5	4.11	7	40	50
Weak Jt on fracs		41.45	42.9	1.45	251	<2	<5	9.27	6	44	10
SAMPLE BLANK					252	<2	<5	0.05	<1	<1	12
2± v. fn subp// TCA		42.9	43.9	1.00	253	<2	<5	1.79	8	39	22
2± v. fn subp// & x-cutting		43.9	45.11	1.21	313254	<2	10	8.28	6	43	162

PAGE 5 OF 5 | PROJECT TAIGA | HOLE RAN98-18

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY
					29.56 – 33.6 SHALE (BA, GR/CT) Black carbonaceous to graphitic shale with chalky zones (beds) Some narrow zones of faulting evidenced by slickensides + weak gouge Rare FeCB veinlets Moderate white ppt. Irregular undulating upper contact. Baritic		
					33.6 – 38.4 CHERTY SHALE, WITH GRAPHITIC TO CARBONACEOUS PARTINGS (SHALE CT) Cherty, black unit with shaley partings. fr set x-cut @ oblique to partings + well-rendering The unit + broken + rubbley in the box Trace CA + FeCB veinlets in rubble. @ 36.8 m @ CA, FeCB veinlets with pink rx to N. blown test (Fe oxide interference?). Trace white ppt As with above units This one is baritic		
					38.4 – 45.1 m BARITIC LIMESTONE (LMST BA) Grey to light grey finely laminated Baritic limestone Moderately baritic Well defined light + dark laminae present down length of intersection Zones of black argillaceous material with LMST BA frags (angular, ≤ 2 cm) floating in it Laminae orientation changes are abrupt and change after narrow diffuse zones of coarser xtalline LMST BA or bx zones Possibly big blocks fallen onto each other (hence the abrupt laminae orientation changes?)		

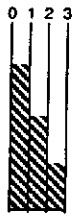
EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1366 m
HOLE: RON98-19	AZIMUTH: 000°
LOCATION: 7179817N, 637436E	DIP: -70°
LOGGED BY: JASON [illegible]	LENGTH: 20.42 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 7.0 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 19.2m
CORE SIZE: BTW	
DATE STARTED: JUNE 15/98	DATE COMPLETED: JUNE 17/98
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

TO TEST STRIKE EXTENT OF RON 97-07 MINERALIZATION 50 m TO THE EAST.

SUMMARY LOG

0.0 - 1.52: CASING

1.52 - 4.30: DARK GREY CHERTY ARGILLITE ± CARBONACEOUS HORIZONS

4.30 - 7.92: GRAPHITIC BLACK SHALE ± CHERTY INTERBEDS; RUBBLE

7.92 - 10.36: CHERTY SHALE; RUBBLE

10.36 - 20.42: GRAPHITIC SHALE; CHERTY ARGILLITE; RUBBLE; 50 VEINLETS

20.42: E.O.H.

HOLE ABANDONED DUE TO CAVING, ABRASIVE CONDITIONS

PAGE 1 OF 2 | PROJECT TAIGA | HOLE 2EN98-19

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Ca veins	ALTERATION: Fe carb veins	ALTERATION	ALTERATION	ALTERATION	ALTERATION: JA	FRACTURE INTENSITY
0	0	0			0-1.52 CASN							
1.52			ARGLT		1.52-4.3 DARK GREY CHERTY ARGILLITE WITH CARBONACEOUS FRACTURES (ARGLT) Dark grey, cherty. Very poor recovery but all core in box is cherty. Non-conductive. Occasional fractures with carbonaceous material, weakly conductive. Very wk Ja on fracs							
2.74	57	0										
3.35	41	0										
4.27	16	0										
4.57	33	0										
5.49	11	0	SHALCGR/ARGLT		4.3-7.92 GRAPHITIC BLACK SHALE/SILTSTONE WITH CHERTY INTERBEDS. (SHALCGR) Black graphitic shale, bx identifiable in rubble locally. Cherty interbeds more competent - not as much washed away. Bx fragments are subrounded limey clasts as well as cherty shale or argillite up to 1.5cm size. Matrix supported. Similar to sedimentary breccia seen in other MM Grid holes. Weak Ja on fracs "Punky" zones.							
6.1	66	0		Bx								
6.4	100	0										
7.92	13	0										
10.36	18	0	ARGLT									
11.28	54	11			7.92-10.36 CHERTY SHALE (SHALCGR) Similar to above cherty argillite, weak concordal fracture. Some graphitic zones (weak) - Probably mostly washed away. Wk Ja. Non-v. weak conductive.							
11.89	41	0		Bx								
12.5	25	0										
13.11	82	0										
13.41	67	0										
14.63	12	0	SHALCGR/ARGLT		10.36- 20.42 BLACK CHERTY ARGILLITE AND GRAPHITIC BLACK SHALE Both are similar to above units. Very broken - poor recovery rubble has been rounded by drilling - lots of evidence of redrilling. Weak CA Tr Fe veinlets. Weak Ja on fracs. V Weak yellows + very light green coating on fracs. Wk white ppt. Non - patchy mod conductive (SHALCGR / ARGLT)							
15.54	33	0										
15.85	81	0										
16.46	33	0										
17.07	20	0										
17.37	53	0										
17.98	21	0										
18.29	81	0										
18.90	20	0										
19.51	49	0										
20.42	49	0										

PAGE 2 OF 2 | PROJECT TAIGA | HOLE RGN98-19

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
wk Ja		1.52	4.3	2.78	313255	10	10	0.68	27	20	18
wk Ja, wk FeCB?		43	7.92	3.62	256	10	<5	0.50	22	148	1105
wk Ja + wk yellow gr. very faint coating.		7.92	10.36	2.44	257	12	5	0.63	16	37	204
wk white zpt in core		10.36	13.11	2.25	258	16	5	0.76	23	54	357
wk Ja, FeCB/CA vnlt @ 15.6 m.		13.11	15.85	2.74	259	18	5	3.31	25	34	170
wk Ja, wk CA vnlts		15.85	18.29	2.44	260	10	<5	1.69	32	23	168
SAMPLE BLANK					313261	<2	<5	0.01	<1	<1	<2
wk Ja, wk CA vnlts		18.29	20.42	2.13	313262	10	<5	1.57	18	31	216

PAGE	OF	PROJECT	HOLE

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1373 m
HOLE: REN98-20	AZIMUTH: 000°
LOCATION: 7179897 N, 637226 E	DIP: -70°
LOGGED BY: JASON WEBBER	LENGTH: 71.32m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 24.4 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 67.0 m
CORE SIZE: BTW	
DATE STARTED: June 17/98	DATE COMPLETED: June 18/98

DIP TESTS BY: ACID

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
71.32m	72°	000°			

OBJECTIVE: TO TEST DLGN-DLEI CONTACT AND ANOMALOUS GEOCHEMISTRY 150 m WEST OF REN97-07.

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

0.0 - 3.05: CASING

3.05 - 10.45: CHERTY, CALCAREOUS ARGILLITE; INTERBEDDED CALCAREOUS SILTSTONE

10.45 - 13.65: GRAPHITIC SHALE; GYPSUM VEINS, JAROSITE

13.65 - 13.90: FAULT ZONE; GYPSUM-HEALED; 3-5% V.F.G. PY

13.90 - 14.20: FOSSILIFEROUS HORIZON; MOTTLED BROWN-GREEN; Ni-OXIDES

14.20 - 26.35: CHERTY SHALE; CARBONACEOUS PARTINGS; tr Ni-OXIDES

26.35 - 31.55: GRAPHITIC SHALE; BARITIC, SD, GY VNLTS; tr Ni-OXIDES

31.55 - 32.05: SEDIMENTARY BRECCIA IN GRAPHITIC MATRIX; SD VNLTS

32.05 - 37.79: INTERBEDDED CHERTY SHALE & CALCAREOUS SILTSTONE

37.79 - 49.90: BARITIC, CALCAREOUS SHALE

49.90 - 53.50: GRAPHITIC SHALE; GYPSUM VNLTS; tr Ni-OXIDES

53.50 - 53.95: CALCITE, BARITE VEIN; AN ON FRACTURES THROUGHOUT

53.95 - 71.32: LAMINATED; CALCAREOUS, SILICEOUS SHALE; CA, GY VNLTS, VEIN BRECCIA; tr AN

71.32: E.O.H.

PAGE 1 OF 8 | PROJECT TAIGA | HOLE REN98-20

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA veins	ALTERATION: Gypsum veins	ALTERATION: Silicific.	FRACTURE INTENSITY
					0 - 3.05 CASN				
0	0	0							
2.6									
3.05					3.05 - 10.45 CHERTY CARBONACEOUS ARGILLITE + CALCAREOUS SILTSTONE (ARGILLACA) Dark grey, very hard, cut by calcite veinlets. Weak JA. Weakly conductive. Most of unit is rubble - no structural measurements Tr FeCb veinlets. Contact in rubble				
4.27	8	0							
5.0	5	0							
5.18									
	7	0							
7.31									
7.5	16	0							
8.23									
	45	0							
10									
10.67					10.45 - 13.65 GRAPHITIC CHERTY SILTSTONE - SHALE (SHAL GR) Black, still quite hard but core is porous. Cherty horizons present as are more graphitic softer zones - Weak JA on fractures. 12.70 - 13.65 Unit is veined & bx by FeCb? veinlets + gypsum veinlets. Strong bx 12.7 - 13.1 m. Massive - no bedding visible				
	51	11							
12.5									
13.41									
	63	20							
14.93									
15									
	49	7			13.65 - 13.90 FAULT ZONE (FAUL) Strong gouge zone with disseminated very fine grained pyrite. Gypsum healed although may have been another cement as well that has since weathered or washed away (Vuggy, open spaces, porous). May have been gypsum as well				
16.46									
17.5	76	9							
17.78									
	82	8							
19.51									
20	42	9							
20.57									
	71	5							
22.5									
22.55									

PAGE 2 OF 8 | PROJECT TAIGA | HOLE RM98-20

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
3.05 - 12.7m Weak Ja on fracs, CA vnlts		3.05	8.23		313263	8	<5	0.33	24	76	318
		8.23	10.45		264	8	<5	0.31	18	64	338
		10.45	12.7		265	18	<5	0.37	43	113	460
12.70 - 13.65 Gypsum Sandstone w/ FeCB veinlets		12.7	13.65		266	16	<5	0.28	28	28	116
13.65 - 13.90 Gypsum Gouge 5% PY		13.65	13.90		267	26	<5	0.41	15	186	448
13.90 - 14.20 FeCB & FeCB 1-2% PY		13.90	14.2		268	26	<5	0.93	11	231	478
14.20 - 15.50 Wk JA + CA vnlts w/ tr Cinnabergite		14.2	16.50		269	10	<5	0.37	40	38	74
		16.50	18.0		313270	16	<5	0.71	43	116	286
		18.0	19.51		271	16	<5	0.64	46	172	460
		19.51	22.5		313272	20	<5	0.68	47	225	730

PAGE 3 OF 7 | PROJECT TAIGA | HOLE REN98-20

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Qtz Silic	Carb Silic	Sericite	Pyrite			FRACTURE INTENSITY
23.16	98	0			13.90-14.20 FOSSILIFEROUS DETRITAL HORIZON (FRB)?							
24.54	43	0			Orange - brown to olive green ~20cm T.T. horizon. Beds of poorly sorted clasts 1 mm or smaller sub-angular to angular, some circular look to be fossil remains + frags although not as easily identifiable as those in REN98-08 FRB. 1-2% Py as disseminations and blebs, possibly replacing oval to circular fossils. Upper 10cm contains olive green, + a few rounded clasts <2cm in size, + smaller rounded shaley clasts <1 cm (oblong). Greatest concentration of fossiliferous material in lower 7cm. Calcareous siderite matrix. Bottom contact contains rip-up? clasts of shale (sub-angular - angular) material Ni bloom test gives pink color indicating Ni is present.							
25	90	52										25
25.60												
27.5	75	30										
28.65												
30	85	13										
31.70												
32.5	50	7										
33.22												
34.75	56	54			14.20-26.35 SILICEOUS SILTY SHALE WITH CHERTY + CALCAREOUS INTERBEDS (SHALE) Dk Grey siliceous silty shale cherty + calcareous interbeds <5 cm thick (dominantly ~5-10cm) Heavily fractured, // to bedding as well as x-cutting bedding. Calcite + minor gypsum healing fracs. Dark yellow oxide coating on fractures (as well as orange oxides) to 17.50 m) Weak, patchy barite veinlets + gypsum + ↑ carbonaceous material 15.9-16.35m. Lower contact sharp but no orientation avail. Ni bloom test gives tr. pink color on fracs.							
35	25	4										
37.5												
37.79	78	42			Weakly baritic							
39.32					16.35-31.35 GRAPHITIC BLACK SILTY SHALE (SHALE) Black porous baritic silty shale to siltstone, cut by calcite, trace gypsum veinlets + weak siderite veinlets. Weakly sandy texture. Graphitic slickensides common							
40	99	99										
40.81												
42.5	75	58										
43.59												
45	93	68										

PAGE 4 OF 8 | PROJECT TAIGA | HOLE EGN 98-20

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		22.5	24.0		313273	10	10	0.42	50	179	374
		24.0	25.5		274	16	<5	0.41	39	167	390
Gypsum - siliceous veins.		25.5	26.35		275	18	5	0.51	44	136	342
26.35 - 31.35											
f. annabergite, wk CA, GY veins.		26.35	27.5		276	32	<5	0.61	67	266	670
		27.5	29.0		277	20	<5	0.67	59	272	444
28.05 2mm CA GY vein et c Ni bloom test positive.											
		29.0	30.1		278	24	<5	0.57	85	212	150
		30.1	31.35		279	20	<5	1.06	61	195	232
31.35 - 34.75											
In on fracs		31.35	32.05		313280	22	<5	1.17	80	194	140
		32.05	33.35		281	12	<5	3.86	44	209	304
		33.35	34.75		282	10	<5	2.76	45	162	172
34.75 - 46.8 m. wk Jp on fracs		34.75	37.79		283	10	<5	0.33	45	185	1115
CA, QZ GY + minor SD. fr											
Annabergite on fracs.											
SAMPLE BLANK					313284	<2	<5	0.01	<1	<1	14
		37.79	39.3		285	14	<5	1.31	57	188	402
		39.3	40.8		286	10	<5	0.73	51	173	234
Annabergite on fr											
		40.8	42.3		287	10	<5	1.81	50	150	212
		42.3	43.5		288	10	<5	1.80	46	146	246
[illegible] on fracs											
		43.5	45.3		313289	16	<5	0.50	66	189	360

PAGE 5 OF 8 | PROJECT TAIGA | HOLE REN98-20

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA	GYP	SILICIFICATION	GRAPHITE	BARITE		FRACTURE INTENSITY
45.41					31.35- 32.05 GRAPHITIC BRECCIA WITH SILICEOUS AND CALCAREOUS ZONES. (SHBX) Broken-up rubbly core siliceous siltstone patchy graphitic zones Gouge/CA. clay @ 31.70 m 31.70° 32.05/ Calcite stockwork FAULT ZONE.							
46.94	72	49										
47.5				70°								
	64	41										
49.99				70°	32.05 LAMINATED CHERTY SHALE WITH 32.79 CALCAREOUS SILTSTONE. Black hard cherty shale with fine laminae of calcareous siltstone laminae occur in beds up to 3cm thick (limestone balls? 2-3cm in diameter with fine silty laminae - calcareous. Breccia @ 37.5 m with							
50												
	92	63										
52.5												
53.09				60°								
	62	42	rubble		AB on fract in CA vein cherty angular fragments in a siliceous biotic matrix + very fine white quartz + very minor CA. Cut by moderate calcite veining + weak siderite veinlets. (SHALCT/SLTSCA)							
54.56												
55	56	30										
56.08												
	65	0			37.79- 49.6 SILTY & CALCAREOUS, SILICEOUS SHALE BARITIC (SHALCA,BA)							
57.0				60°	Grey-Dk grey hard silty shale commonly very finely laminated silty sections strongly fractured calcite healed. (weak gypsum) Baritic - heller							
57.5												
	96	49		70°								
59.13				75°								
	88	59			than previous units. Weakly							
60					carbonaceous. Annabergite (trace to wk)							
60.66				20-CA stockwk	on fractures. Silicification (as well as graphitic) &							
	92	86										
62.18					48.6 GRAPHITIC BLACK SILTSTONE 53.5 (SHALGR)							
62.5												
	80	46		AB on fract in stockwk	Black, porous graphitic siltstone Quite soft, with cherty fragments & interbeds heavily fractured & cut by Qz + GYP veinlets. (lesser calcite) Veining strongest 51.0- 53.5m. (mod. stockwk)							
65												
65.23												
65.53	83	0										
					53.5- 53.95 CALCITE-BARITE VEIN (VEIN,CA,BA) White calcite-barite vein with weak quartz & gypsum. Annabergite on fracs as coatings. Footwall of vein is brec wallrock angular fragments							
	55	15		70°								
61.5												

PAGE 6 OF 8 | PROJECT TAIGA | HOLE Ren98-20

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Ag (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		45.3	46.8		313290	10	<5	0.43	58	187	536
46.5 - 53.5 tr AB? Qz/CA ± GVP. Vn / Fx.		46.8	48.6		291	14	<5	0.60	68	181	354
		48.6	50.4		292	20	<5	0.98	109	318	332
		50.4	51.9		293	28	<5	1.05	84	217	188
		51.9	53.5		294	22	10	1.72	70	239	378
Calc. qtz. vein with annabergite		53.5	53.95		295	18	<5	35.6	4	34	96
		53.95	56.08		296	2	<5	18.2	37	113	332
Annabergite on fracs. in CA-Qz vein											
		56.08	57.5		297	18	<5	2.20	59	146	160
		57.5	59.0		298	24	<5	3.99	93	238	140
59 - 65.0 Intense Qz, CA vn ± stockwork with ± AB on fractures		59.0	60.5		299	20	<5	11.05	50	154	1765
CA-Fx vein ± annabergite		60.5	62.0		3.330	28	<5	1.80	66	237	3440
		62.0	63.5		301	18	<5	2.76	59	200	5620
		63.5	65.0		302	14	<5	1.12	35	157	3630
Qz-CA vn ± AB in intensity Minor Fx.		65.0	66.5		303	26	<5	0.63	52	139	1840
STANDARD BLANK					313300	<2	<5	0.07	<1	1	76
		66.5	68.0		305	34	<5	0.38	60	146	1840

PAGE 7 OF 8 | PROJECT TAIGA | HOLE IRN98-20

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA veins	Gyp veins	Silicific	Graphite			FRACTURE INTENSITY
					53.95 DARK GREY SILICEOUS SHALE TO							
68.27					65° 71.32 SILTY SHALE WITH INTERBEDDED							
					CALCAREOUS SILTY SHALE.							
					(SHALSI)							
	85	32			Dark grey, hard, siliceous shale							
70					to silty shale. Calcareous laminae							
					75° + beds to 5cm Graphitic							
71.32					laminae to 59 metres. Cut by							
					quartz-calcite stockwork ranging in							
72.5					intensity from weak-moderate (53.95-							
					~59 m 65-71.32m) to intense 59-65 m.							
					Trace ankerite on fracs + in veinlets							
					55.35-55.60 m Calcite-barite vein similar							
					to 53.45-53.95 m orient. @ N65°							
					61.85-62.05 m BA-BA vein as above							
					@ 35° TCA.							
					59-65 m: Very strong to intense							
					Quartz-CA veinlets + stockwork. Maybe							
					minor BA as rock is quite light.							
					ankerite on fractures.							
					59.3-71.32 m (CU) ± L (SI)							

PAGE 8 OF 8 | PROJECT TAIGA | HOLE RGN98-20

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		68.0	69.7		313306	26	<5	0.66	48	168	1730
		69.7	71.32		313307	26	<5	0.46	41	212	2080

70

72.5

PAGE	OF	PROJECT	HOLE

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1381 m
HOLE: REN98-21	AZIMUTH: 000°
LOCATION: 7179809 N, 637704 E	DIP: -70°
LOGGED BY: JASON WEBER	LENGTH: 43.59 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 14.9 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 41.0 m
CORE SIZE: BTW	
DATE STARTED: June 18/98	DATE COMPLETED: June 19/98
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
N/A					

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE: TO TEST DLEW/DLEI CONTACT AND ANOMALOUS SOIL GEOCHEMISTRY 150 m EAST OF REN97-08

SUMMARY LOG

0.0 – 3.05: CASING

3.05 – 9.65: DUAL, CHERTY SHALE W INTERBEDDED GRAPHITIC SILTSTONE

9.65 – 15.90: SHALE BRECCIA; GRAPHITIC SHALE MATRIX

15.90 – 36.00: CHERTY SHALE; GRAPHITIC LAMINAE; SMALL ZONES OF BRECCIA AS ABOVE

36.00 – 43.59: SHALE BRECCIA; SIMILAR TO 9.65 – 15.90 m; GRAPHITIC MATRIX; LIMESTONE, SILTY LIMESTONE, CHERT FRAGMENTS POROUS, PUNKY; POSSIBLE LIMESTONE BALLS

43.59: E.O.H.

HOLE LOST DUE TO CAVING

PAGE 1 OF 4 | PROJECT TAIGA | HOLE REN98-21

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: GYPSUM	ALTERATION: SILICIFIC	FRACTURE INTENSITY
					0-3.05 CASN				
2.5	0	0							
3.05					3.05 - 9.65 CHERTY GRAPHITIC SHALE WITH INTERBEDDED GRAPHITIC SILTSTONE. (SHALE FOR / SLTS FOR) Black cherty shale with moderately graphitic component. Interbedded w/ graphitic siltstone (with strong siliceous/cherty component). Heavily fractured - healed by minor gypsum. Wk Hc on fracs.				
5.0	57	0							
5.49									
7.5	43	3							
				70°	Core is very broken with poor recovery				
8.53									
10.0	74	0		60°	9.65 - 15.80 GRAPHITIC SHALE BRECCIA (SHBX FOR) Black, strongly graphitic breccia with cherty siliceous graphitic matrix clasts mm to 2 cm ~ 2% - 5% clasts < 0.5 cm. Breccia clasts consist of sub-angular to angular calcareous light grey limestone (?) Sedimentary breccia. Also clasts of cherty shale or argillite - angular - <1.0 cm in size. Narrow zones (~10-15 cm) of massive very graphitic silty shale with brown stained matrix (v. wk). Veining is weak (Ca, GYP Fe CB. Some clasts siliceous. 12.1 - 12.25 m very calcareous dark grey limestone "wall". Weakly sheared.				
11.58									
12.5	61	28							
14.03									
15	51	20							
17.5									
17.68									
20	39	0			15.8 - 36.0 CHERTY GRAPHITIC SHALE (SHALE FOR) Heavily fractured black cherty shale. Graphite on fractures as well as in thin beds. Slickensides common. Small zone of sed. breccia as seen in previous unit but				
20.73									
	28	0							
22.25									
23	66	7							

PAGE 2 OF 4 | PROJECT TALGA | HOLE RGN98-21

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
3.05 - 5.49 - Wk Ja on fracs.		3.05	5.49		313308	20	<5	0.42	46	108	352
Ca veins		5.49	8.53		309	12	<5	0.28	34	124	434
Siderite/gypsum veins		8.53	9.65		310	18	<5	0.40	52	162	570
Punky black Ca-Fe shale		9.65	11.58		311	42	<5	0.46	50	32	102
Same as above.		11.58	13.1		312	24	<5	0.69	24	68	338
Mottled br - olive green mafic - Wk Ja		13.1	14.6		313	26	<5	0.83	28	164	1515
Olive green mottled mafic.		14.6	15.8		314	22	<5	0.60	24	137	996
15.80 - 36.0 Very poor recovery; Wk gypsum veins + Ja on fracs.		15.8	19.2		315	24	<5	11.85	22	88	818
		19.2	20.73		316	12	<5	9.77	21	62	446
		20.73	23.5		313317	32	<5	1.25	37	104	998

PROJECT TAIGA

HOLE RENGB-11

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	ALTERATION: Gypsum	ALTERATION: Siderite	FRACTURE INTENSITY
					but with chalky matrix. 1-2 cm calcareous fragments. Weak calcite veins, trace QMP/SIDERITE veinlets. Probably a fault zone. exp. (26-36m) Silty limestone - (limestone ball 29.97 & 32.92, in rubble 34.14-35.94				
23.77									
25	48	19							
26.82									
27.5	25	0							
28.04									
	52	0							
29.81									
30									
	27	0							
32.5									
32.92									
	41	0							
34.14									
35	5	0							
35.97									
	62	7							
37.49									
	86	28							
39.01									
40	57	0							
40.23									
	99	0							
42.06									
42.5	3	0							
43.59					36-43.59 BLACK, GRAPHITIC BRECCIA WITH CLASTS OF PURITY SHALE, + LIMEY SILTSTONE (SHALY) Breccia Black, graphitic (strongly) matrix cementing chalky fragments (black) + limestone + silty limestone fragments. Chalky fragments angular, limey fragments tend to be more rounded (up to 2cm in size) Unit is fairly soft overall friable where chalkier (softer @ top → ~ 39m below which fragments are harder + less abundant. 38.80 m - limestone ball? @ 39m Section of limestone - clasts - elongate (cigar or oval) some recognizable fossil remains 0.5% class. py in frags + matrix Porous - punky				
45									

PAGE 4 OF 4 | PROJECT TAIGA | HOLE DEN98-21

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
WK FA w-m GVP		23.5	24.7		313318	32	<5	1.57	34	77	496
25 w-m FA		24.7	26.82		319	28	<5	3.80	24	59	492
		26.82	29.87		320	24	<5	3.38	22	67	411
27.5											
30		29.87	32.9		321	22	<5	9.40	17	71	576
32.5											
		32.9	36.0		322	24	<5	2.69	31	188	1980
35											
36 - 43.59m.											
WK qzp in pyritic shale bx		36.0	37.5		323	26	<5	3.86	45	99	720
37.5											
		37.5	39.0		324	28	<5	4.88	28	129	420
Lx ± ss dissem. - fossils?		39.0	40.23		325	32	<5	3.84	28	100	782
		40.23	43.59		313326	28	<5	2.43	33	50	354
42.5											
Siltstone in FOW					313327	<2	<5	0.02	<1	<1	4
45											

PAGE	OF	PROJECT	HOLE

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1372m
HOLE: REN98-22	AZIMUTH: 000
LOCATION: 7180501 m N, 635590 m E	DIP: -70°
LOGGED BY: JASON WEBER	LENGTH: 67.97m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 23.2m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 63.9m
CORE SIZE: BTW	
DATE STARTED: JUNE 19/98	DATE COMPLETED: JUNE 20/98
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
67.97	68.5°	000°			

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

To test coincident Ni, Zn, As, Mo anomalies in the NW extension grid area @ the DLFU/DLF' contact

SUMMARY LOG

0.0 – 4.57: CASING

4.57 – 12.75: CHERTY ARGILLITE; GRAPHITIC LAMINAE, FRAC'S; SILTSTONE INTERVALS

12.75 – 14.10: CALCAREOUS SILTSTONE; GRAPHITIC ZONES; QZ-CA STOCKWORK

14.10 – 18.10: FAULT ZONE; GRAPHITIC BRECCIA, STRONG QZ VEINING

18.10 – 21.30: MASSIVE CHERTY ARGILLITE; OCHRE-STAINED

21.30 – 27.50: CHERTY SHALE ± SILTY SHALE INTERBEDS; QZ-CA STKWK, SD

27.50 – 30.35: CALCITE-HEALED FAULT ZONE; TENSION GASH VNLTS

30.35 – 39.20: RHYTHMICALLY-BEDDED SHALE ± CALCAREOUS AND GRAPHITIC INTERVALS

39.20 – 42.60: QZ-CA HEALED GRAPHITIC FAULT BRECCIA

42.60 – 46.95: INTERBEDDED GRAPHITIC AND CALCAREOUS SHALE AS @ 30.35 – 39.20 m

46.95 – 47.75: SILTY, FINELY LAMINATED LIMESTONE

47.75 – 50.15: SILICEOUS SHALE ± GRAPHITIC LAMINAE; WEAKLY BEDDED

50.15 – 67.97: CALCAREOUS GRAPHITIC SHALE; tr 0.5% PY

67.97: E.O.H.

PAGE 1 OF 1

PROJECT TAIGA

HOLE REN98-22

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURE INTENSITY
0					0-4.57 CASN			
2.5	0	0			4.57-12.75 CHERTY ARGILLITE (GRAPHITIC) (ARGL GRAPH) Very hard, dark grey to black, with black graphitic fractures + partings. Heavily fractured, increases with depth. Zones of lighter grey calcareous siltstone. Fractures healed with quartz + calcite			
4.57								
5.0	92	0			possibly fossil. fetch? Zones of stockwork + calcite quartz crackle breccia & vein breccia, incorporating angular argillite fragments			
5.49								
7.5	93	35			> 1 mm circular + oval shaped			
8.28								
9.45	94	56						
10.0								
11.58	94	59						
12.5				40° 55°				
12.75	95	75			12.75-14.10 CALCAREOUS SILTSTONE (SLTSCA) Medium grey calcareous siltstone - int bedding visible, massive sections as well. As above heavily fractured healed by quartz + calcite stockwork of fine veinlets. Abundant tension gash style veinlets. Graphitic zones as horizons & fractures. Movement looks to be dominantly bedding // or sub //. Upper contact 40° Lower contact 55° Both are graphitic and bedding //			
14.10				60°				
14.68								
15								
17.5	92	45						
17.68								
20	50	0						
20.73					14.10-18.1 FAULT BRECCIA (FAULBX) Graphitic fault brecciated zone with strong - intense quartz calcite veinlet stockwork. Abundant displacement of veinlets along graphitic			
21.34	50	0						
22.5	28	6						

PAGE 2 OF 7	PROJECT TAIGA	HOLE REN98-22

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
2.5											
5 Ultramafic w/ Qz units.		4.57	7.0		313328	18	<5	0.44	38	85	672
w/ Jas											
7.5		7.0	8.5		329	38	<5	0.29	44	183	3530
↑ Qz/Ch veinlets		9.5	10.0		330	36	<5	0.43	52	234	4580
10.0 Same as above		10.0	11.5		331	38	<5	0.27	58	213	3960
Strong Qz/Ch vn/vt stockwk		11.5	12.75		332	32	<5	0.33	65	197	4240
13.0 Ultramafic w/ Qz/Ch stockwk		12.75	14.1		333	22	<5	0.57	29	121	2170
15.0 as above		14.1	15.7		334	28	<5	0.53	40	149	3060
Strong - locally Qz/Ch stockwks		15.7	17.2		335	30	<5	0.51	56	255	4530
3% wisp Py/Po veining & FeCB matrix		17.2	18.1		336	28	<5	0.47	44	288	3570
Ultramafic poor rec. Qz units		18.1	20.0		337	16	<5	0.24	31	167	2990
20.0 Qz/Ch veinlets sub // to CA		20.0	21.3		338	13	<5	0.27	36	158	3555
Ultramafic + FeCB.		21.3	23.4		339	16	<5	0.24	42	148	2280

PAGE 3 OF 7 | PROJECT TAIGA | HOLE RRN9 8-27

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURE INTENSITY
23.77				70°	graphitic partings. Graphitic content ↑ with depth. Intensely deformed, brecciated stockworked zone 15.7-18.1m. Wk siderite? = CA 18.0-18.1. Calcite + siderite? matrix of intensely brecciated zone.			
25	74	27		80°				
26.82					18.1- CHERTY ARGILLITE. (ARGLCT)			
27.5	79	25			21.30 Strongly fractured (blocky) massive dark grey black argillite no bedding apparent. Ochre stain on fractures. Dominant CA-QZ vein orientation sub // TCA Rubble zone			
29.37				60°				
32.5	90	57			21.30- CHERTY SHALE AND SILTY SHALE 27.5 (SHALCT) Dark grey shale to silty shale. Faint bedding, laminae ~1mm to beds 10cm thick. Strongly fractured moderately healed by calcite > quartz veinlets stockworks, veinlets dominantly sub // to CA abundant tension gash veinlets & veinlets truncated by bedding // movement along graphitic partings. Base of unit limestone + siltstone clasts. with irregular shape ~3-5 cm in size. Weak siderite calcite veinlets (siderite selvages?)			
32.92	94	31						
35				70°				
35.97								
37.5	84	38		55°				
39.01					27.5- FAULT BRECCIA HEALED BY CALCITE (FAULBX) 30.35 Disrupted zone of intensely fractured strongly healed by calcite stockwork + flooding. Crackle to locally Tension gash veining. Weak JA on fracs. Graphitic			
40	95	69		80°				
42.06					30.35- INTERBEDDED SHALE AND SILTY SHALE (SHALCT/SHALCT) 39.8 WITH CALCAREOUS AND GRAPHITIC HORIZONS. Dark grey hard with fine calcareous horizons (generally <1.0cm) & graphitic horizons 1-3mm thick. Unit is somewhat rhythmically banded. Highly fractured with CA + quartz veinlets.			
42.5	92	36						
43.89								
45	100	33						
45.11								

PAGE 4 OF 7 | PROJECT TAIGA | HOLE REN98-22

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
23.8 - 27.5 m QA + Qz		23.8	25.3		313 340	30	<5	0.44	85	265	4140
w/ stockwork w. JA											
		25.3	26.8		341	28	<5	0.47	72	298	4760
		26.4	27.5		342	18	10	0.33	82	269	3720
27.5 - 30.35 m - Qz CA stockwk-Str		27.5	29.2		343	28	<5	0.47	70	336	3250
strong veining mod JA											
		29.2	30.35		344	6	<5	0.45	33	160	1395
30.35 - 39.8 m.		30.35	32.0		345	18	<5	0.98	55	140	1305
Qz CA w. JA. tr											
Explosive w. JA											
		32.0	33.5		346	18	<5	0.72	55	187	2300
		33.5	34.5		347	20	<5	0.29	37	139	1610
Sample Blank					313 348	<2	<5	0.01	<1	<1	2
		34.5	36.0		349	22	<5	0.35	51	165	2110
		36.0	37.5		313 350	18	<5	0.63	51	236	2820
		37.5	39.0		351	24	<5	0.51	54	184	1075
		39.0	39.8		352	20	<5	0.62	60	204	1195
39.8 - 42.6 m Strong veinlet		39.8	41.3		353	8	<5	0.45	48	268	2070
Stockwork mod JA											
+ Str.											
		41.3	42.6		313 354	10	<5	0.56	48	355	3130
		42.6	44.1		355	34	<5	0.35	61	181	3820
42.6 - 45.1 m											
Moderate Cb/Py veinlets +											
w/ JA.											
		44.1	45.1		313 356	30	<5	0.23	50	178	3170

PAGE 5 OF 7 | PROJECT TAIGA | HOLE RN98-22

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	ALTERATION: GYPSUM	FRACTURE INTENSITY
					Some bedding observed with a graded fining upward sequence				
46.33	59	15		45°	Weak ja on fractures.				
				55°	Upper + lower contacts gradational.				
47.5	120	68			Veinlets oriented ~ 40-50° TCA.				
48.16									
	84	49			39.8- 42.6 QZ/CA HEALED FAULT BRECCIA (FAULBX)				
49.38					Heavily brecciated/fractured zone with intense QZ + CALCITE veinlet/vein stockwork. Similar to above vein bx zones. Graphitic fractures + slip surfaces. Possibly siderite in ca/qz. Wk GFS + JA.				
50	89	37		70°					
				65°					
51.21									
52.5	95	39							
					42.6- 46.95 INTERBEDDED SHALE AND SILTY SHALE WITH CALCAREOUS AND GRAPHITIC HORIZONS. (SHALCA OR SHALCA) Similar to 30.35-39.8 m but not as finely laminated as previous. Upper contact gradational.				
54.25									
55	111	49							
56.08									
	94	69			46.95- 47.75 SILTY LIMESTONE (LMST)				
57.23									
				55°	Grey finely laminated limestone with white, calcareous circular + oval shaped fossils (?). Markedly less veining + fracturing. Gypsum + calcite veins.				
	100	41		55°					
				45°					
60				15°					
60.35									
					47.75- 50.15 SILICEOUS SHALE WITH GRAPHITIC LAMINAE. (SHALSILCA)				
	94	66			Hard black shale. High graphite content. Laminae of graphite common. Faint bedding. CA veins dominantly along bedding planes.				
62.5									
63.40				55°					
					50.15- 67.97 CALCAREOUS, GRAPHITIC SHALE. (SHALCARGR)				
65	98	80			Calcareous shale with graphitic matrix and fractures/laminae. Core has silver sheen to it due to graphite. Trace pyrite. Py in graphitic sections.				
66.45									
69.5	100	100							

PAGE 6 OF 7 | PROJECT TAIGA | HOLE RDN98-22

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
45.1 - 49.11		45.11	46.95		373357	30	<5	0.29	80	113	1995
Mod. Sa/Dz + trace-wk											
Gypsum W. JA											
		46.95	47.75		358	6	<5	0.22	55	196	2075
		47.75	49.25		359	28	<5	0.27	47	93	1330
		49.25	50.15		360	44	<5	0.36	88	221	3900
		50.15	51.6		361	38	<5	0.30	102	290	4850
		51.6	53.1		362	36	<5	0.31	51	208	2560
		53.1	54.6		363	24	<5	0.29	67	174	2410
		54.6	56.1		364	28	<5	0.37	56	195	2350
		56.1	57.6		365	22	<5	0.34	44	166	1885
		57.6	59.1		366	18	<5	0.39	35	132	1445
Sample Break		59.1	60.6		367	28	<5	0.45	52	177	2160
					373 368	<2	<5	<0.01	<1	<1	8
Same as above		60.6	62.1		369	22	<5	0.36	33	140	1575
Tr FX diorite with graphitic		62.1	63.6		370	22	<5	0.30	35	115	1330
rich matrix											
63.6 - 65.1 Strong silica		63.6	65.1		371	26	<5	0.54	68	243	2610
alteration stockwork Taiga											
65.1 - 66.6		65.1	66.6		372	24	<5	0.59	51	145	1715
		66.6	67.97		373 373	24	<5	0.52	58	188	2160

PAGE 7 OF 7 | PROJECT Taiga | HOLE RBW98-22

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	Quartz	Gypsum	FRACTURE INTENSITY
69.97					More weakly veined than previous units				
					60.4 - 61.5 increased quartz-calcite veining + stockwork developed. Tension gash veinlets common.				
70					64.0 - 69.97m - increased veinlets + stockwork. V. wk bx tension gash common				

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1233.2m
HOLE: REN98-23	AZIMUTH: 046.5°
LOCATION: 7179792N, 630089E	DIP: -70°
LOGGED BY: JASON WEBER	LENGTH: 20.12m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 6.9m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 18.9m
CORE SIZE: BTW	
DATE STARTED: June 20/98	DATE COMPLETED: June 21/98

DIP TESTS BY

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE: TO TEST DLEN-DLE6a-DLE1 CONTACT AND ANOMALOUS SOIL GEOCHEMISTRY AT THE CLIFF BARITE SHOWING.

SUMMARY LOG

0.00 – 3.05: CASING

3.05 – 13.00: CHERTY ARGILLITE, GRADATIONAL ZONES, OCHRE STAIN

13.00 – 20.12: CHERTY ARGILLITE, CALCAREOUS SHALE, GRADATIONAL CONTACTS

20.12: E.O.H.

HOLE LOST DUE TO CAVING, BROKEN GROUND

PAGE 1 OF 2 | PROJECT TALGA | HOLE REN98-23

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	FRACTURE INTENSITY
2.5	0	0	CASN		0-3.05 CASN			
3.05								
4.27	53	0	ARGL ct		3.05-13.0 CHERTY ARGILLITE. (ARGL ct) Black, very hard, blocky with concoidal fracture. Weak graphitic horizons but fractures commonly graphitic. Weak silty horizons with weakly calcareous matrix. Difficult to scratch silty sections with a nail cannot scratch argillite. Moderately-strongly fractured. Weak calcite, trace gypsum healing of fractures. Dominant fracture orientation is // to bedding (seen in calcareous silty horizons), ⊥ // to sub // to C.A. Ochre coatings on fractures to 8.3 m. Weak 8.3-13.0 m. Stylolites - graphitic with calcite selvages, common.			
5.0					65° Gr horizon			
7.01	18	0						
7.5					55° gr horizon			
10.00	70	38						
12.5	98	68						
13.11					13.0- 20.12 CHERTY ARGILLITE WITH GRAPHITIC HORIZONS & SILTY, CALCAREOUS LAMINAE (ARGL ct / SLTAL ca)			
15.0	91	41			45° Very similar to above unit except this one has more graphitic-silty horizons. Unit is still hard throughout as with above unit. Unit is dominantly cherty argillite. Blocky, irregular fracture dominates but planar fracture in areas of laminated graphitic silty horizons. Calcite, graphite stylolite like features common. Graphitic & silty laminae rarely > 1.0 cm, and are more common with depth. Upper contact is gradational. Structural deformation present as unit is folded as evidenced by bedding to core & measurements.			
15.54					15°			
16.46	76	12						
17.5					25°			
	99	33			30°			
					50°			
19.20					75°			
	97	30			30°			
20.0					65°			
20.12			E.O.H		80°			
22.5								

AGE OF | PROJECT | HOLE

DEPTH (M)	% CORE REC	% RQD			LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION						FRACTURE INTENSITY

PAGE 2 OF 2 | PROJECT TAIGA | HOLE RAN98-23

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
3.05 - 20.12 m. Weak calcite veinlets. Wk IA on fractures, ↓ with depth.		3.05	4.27		313374	24	<5	0.31	44	38	50
		4.27	7.01		375	18	<5	0.33	35	61	178
		7.01	8.5		376	20	<5	0.44	49	93	260
		8.5	10.0		377	20	<5	0.31	60	161	330
		10.0	11.5		378	20	<5	0.43	56	146	340
		11.5	13.0		379	20	<5	0.56	60	161	364
Sample Blank					313380	<2	<5	<0.01	<1	<1	10
		13.0	14.5		381	18	<5	0.74	51	137	428
		14.5	16.0		382	22	10	1.14	59	145	376
		16.0	17.0		383	19	<5	0.87	48	129	426
		17.0	18.5		384	18	<5	0.81	55	146	332
		18.5	20.12		313385	20	<5	0.10	51	136	412

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1233.2m
HOLE: REN98-24	AZIMUTH: 046.5°
LOCATION: 7179792N, 636084E	DIP: -75°
LOGGED BY: JASON WEBBER	LENGTH: 71.02
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 24.3m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 66.7m
CORE SIZE: BTW	
DATE STARTED: June 21/98	DATE COMPLETED: June 22/98

DIP TESTS BY

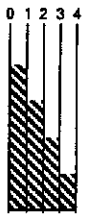
DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
71.02m	66.5°	~46.5°			

OBJECTIVE: RE-TEST CLIFF BARITE SHOWING AND ANOMALOUS GEOCHEMISTRY @ REN98-23; RE-DRILLED AT STEEPER ORIENTATION

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

SUMMARY LOG

0.0 - 2.44: CASING
2.44 - 10.10: CHERTY ARGILLITE, BLOCKY, OCHRE-STAINED
10.10 - 28.05: CHERTY ARGILLITE W CALCAREOUS SHALE, GRAPHITIC INTERBEDS; tr LAMINATED PYRITE
28.05 - 37.27: GRAPHITIC, CALCAREOUS W CHERT HORIZON; tr DISS PY
37.27 - 59.27: LAMINATED BARITE AND SHALE; WELL BRECCIATED; WORMY-TEXTURED BARITE & CALCITE; CALCAREOUS SHALE
59.27 - 71.02: CALCAREOUS, SILICEOUS SHALE; FRACTURED, CALCITE VNLTS
71.02: E.O.H.

PAGE 1 OF 8 | PROJECT TAIGA | HOLE REN98-24

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	Quartz	Gypsum	FRACTURE INTENSITY
					0-2.24 CASN				
0	0	0							
2.24									
2.5	41	0			2.24 - 10.1 CHERTY ARGILLITE. (ARGLCT)				
3.35					lr @ 0° Black, very hard. Blocky irregular fracture. Weak graphitic horizons				
3.96	90	20			fr @ 10° & fractures. Stylolite-like graphite-calcite structures visible. Weak				
5.0	60	7			i. @ 20° silty horizons - many or many not be calcareous. Strong fracturing with				
6.1	49	0			25° calcite (weak) & gypsum (trace)				
7.01					10° healing of fractures. Fracturing @				
7.5	86	38			55° low to moderate angles to C.A. @ top of hole becoming moderate				
8.63					@ ~6 m, & approaching core normal				
	100	48			70° orientation around 7.5 m. 7.5-10.1				
10.1					60° oriented ~ 60° TCA. Trace diss PY				
	98	82			10.1 - 28.05 CHERTY ARGILLITE WITH GRAPHITIC				
12.5					60° horizons & SILTY, CALCAREOUS				
13.11					LAMINAE. (ARGLCT/SHMLCA)				
	82	33			10° Similar to above but graphitic				
14.02					horizons more common, as are				
					silty & calcareous horizons. Graphitic				
					laminae ≤ 0.5 cm in general.				
					40° Silty laminae may be up to 1.5 cm				
					rubble Weak calcite & trace gypsum as				
15.0	99	38			seen in previous unit. Limestone				
					10° horizon 2.5 cm thick @ 20 m.				
16.15					50° Fracturing heavy. Folding evident				
					10° as seen in REN98-23				
	83	37			Trace PY as extremely small				
17.02					70° blebs or rarely as disseminations				
17.5					15° in a laminae. One clast ~ 4mm				
	75	61			80° in diameter @ 20.1 m.				
					20				
19.2					15° Unit becomes more graphitic with				
					60° depth.				
20					75°				
	100	24							
					50°				
22.25									
22.4					75°				

PAGE 2 OF 8 | PROJECT TAIGA | HOLE RAN98-24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
2.44 - 10.1 m. Weak Ca veins. Fe oxides on fracs. Tr PY - very fine gr.		2.44	3.96		313386	30	<5	0.33	42	32	516
		3.96	6.1		387	20	<5	0.36	48	50	164
		6.1	7.5		388	22	<5	0.48	44	152	616
		7.5	8.5		389	22	10	0.47	51	153	498
		8.5	10.1		390	20	<5	0.46	51	136	292
10.1 - 24.05 Weak Fe oxides Weak Ca veins. Tr PY as blebs, & as fine dissemination along laminae		10.1	11.5		391	18	<5	0.53	47	124	410
		11.5	13.0		392	24	<5	0.71	60	174	512
		13.0	14.5		393	22	<5	0.77	57	143	536
Tr PY		14.5	16.0		394	20	<5	1.24	61	151	520
Tr PY		16.0	17.5		395	22	<5	1.06	56	140	488
		17.5	19.0		396	20	<5	1.02	54	150	610
		19.0	20.5		397	18	13	.90	53	139	524
		20.5	22.0		313398	20	10	1.06	53	143	626
		22.0	23.5		399	18	<5	0.84	48	126	604

PAGE 3 OF 8 | PROJECT TAIGA | HOLE RGN98-24

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION (Silicif.)	FRACTURE INTENSITY
					28.05 GRAPHITIC, ~~SILICEOUS~~ SHALE WITH CHERTY		
					37.27 SHALE. (SHAL-GRA / SHAL-CT)		
	78	37		55°			
	84	19			Black graphitic shale. Calcareous throughout, with cherty horizons.		
25.0					Strongly fractured but fairly		
25.3	84	19			competent where ↑ cherty component.		
	61	12					
26.53				85°	Slight increase in CA veinlets.		
	61	8			Unit is very porous (readily		
27.5	57	0			absorbs acid) Massive sections		
28.04				70°	to 15 cm thick, others with		
	57	0			fine cherty laminae. Cherty		
28.96	50	17			horizons often broken up &		
	60	7			displaced. Trace py dissem.		
30.0	77	0		60°	33.05 - 33.40 m Limestone bed		
30.33					finely laminated. Mat		
	77	0			bar. t.v. Upper contact 20°		
	79	39			(similar to bedding) Lower		
31.39					contact rubble.		
	79	19			33.40 - 37.27 m. Zones of lighter		
32.5	59	31			grey, weakly baritic shale		
33.22				50°	& breccia with graphitic		
	59	31	Lmst	70°	shale matrix. Trace		
	80	48			extremely fine sulphides		
34.44					Trace annabergite on		
	80	18			fractures.		
35.0	83	55	Lmst rubble				
35.66							
	83	55					
	57	0		65°			
				bx			
37.49					37.27 - (SHAL-BA)		
37.5					59.27		
	51	0					
38.1				wormy laminae			
	98	39		35°	Baritic horizon. Light grey		
				"cloty" laminae	barite/calcite +? (laminae + worms)		
39.32					discontinuous laminae interbedded with		
40.0	40	25		35°	grey to black calcareous to		
				Graded beds	non-calcareous argillaceous material		
40.54					37.27 - ~41.0 m. Textures dominantly		
	92	72			brecciation related?, irregular masses		
42.5				70°	of lighter grey barite + calcite		
				wormy laminae	in dk grey to black calcareous matrix		
					Thin ~2cm zones of graphitic		
43.59					shale. This grades into a zone of		
	92	49			wormy, discontinuous, contorted		
44.0					"laminae" to 2 mm thick. Horizons		
45.11							

PAGE 4 OF 8 | PROJECT TAIGA | HOLE REN93-24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		23.5	25.0		313400	16	<5	0.58	42	111	692
25		25.0	26.5		401	22	<5	0.78	46	171	1720
		26.5	28.05		402	12	<5	0.33	61	164	306
27.5											
		28.05	29.5		403	10	20	0.44	63	177	370
28.05 - 33.70 Graphitic black shale with weak calcite veinlets -fractures.											
30		29.5	31.0		404	10	10	0.44	55	149	360
		31.0	32.5		405	4	<5	0.73	58	182	556
32.5											
		32.5	33.70		406	10	15	0.55	73	222	418
33.70 - 35.70m Limestone bed a limonitic to. Poor recovery.		33.70	35.70		407	10	10	12.55	33	126	202
35.0 SAMPLE BLANK		35.7			33408	<2	10	0.03	<1	<1	14
35.70 - 37.27 m Tr AB (Annabergite) on fracs.		35.7	37.27		409	10	15	3.29	64	205	422
37.27 - 39.8 m Bx, wormy & Laminated Baryte. Tr Calcareous AB. Py as disseminated blebs in argillite/shale laminae. Sx very fine gr.		37.27	38.3		313410	2	<5	41.0	15	128	58
		38.3	39.05		411	4	10	44.1	27	172	70
		39.05	39.8		412	8	<5	40.3	29	151	82
40		39.8	40.65		413	12	<5	44.5	13	87	104
39.8 - 43.65m V. f.g. Py as Non-Calcareous. disseminations along laminae Wormy & Laminated BA.		40.65	41.4		414	10	15	46.5	10	65	74
		41.4	42.15		415	8	<5	47.4	8	46	350
42.5		42.15	42.8		416	8	<5	47.0	8	10	24
		42.8	43.65		417	5	7.5	43.7	14	13	40
43.65 - 49.15 Wormy textures rare Fine Laminated BA. Non-calcareous Tr Py?		43.65	44.4		418	6	10	50.5	7	19	84
		44.4	45.15		313419	8	10	41.7	5	32	172
45											

PROJECT TAIGA

HOLE REN98-24

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION (Calcite veinlets)	FRACTURE INTENSITY
	95	56		75°	of coarser barite +/or calcite growths in acicular masses (weakly). These		
46.63				80°	horizons 0.5 - 10 cm thick. Individual		
47.5					growths within are up to 0.3 cm		
	91	69		75°	in diameter. Also present are narrow		
					zones of graded beds where there		
					is a sharp lower contact of		
					barite/calcite overlying shale/argillite.		
49.65					This grades upward into shale +		
50				60°	another sequence starts. One sequence		
				40° ca veining	0.9 - 1.0 cm thick. Very finely		
	80	48			laminated argillaceous (black) + grey		
					barite material (laminae < 1mm)		
52.5					also comprise section. Very fine		
52.73					pyrite occurs in shaley/argillitic laminae.		
					Soft sediment features. Possible		
				70°	load-cast features as well. Swirling		
				45° ca	features etc.		
	92	68			39.4 - 43.65 Non-calcareous		
55.0					43.65 - 49.15 m Non calcareous.		
55.18				contorted laminae	Finely laminated ranging from		
					<1 mm to 2 mm thick. Zones		
				70° laminae	with drag folds (very small scale) +		
	98	67			"shattering" laminae. Stylolitic looking		
57.5					black veinlets as well.		
				55° laminae	49.15 m - 50.5.		
58.83				laminae 70°	Similar to above but calcareous.		
	104	93		80°	Not as heavy as non calcareous. Cut		
59.74					by 1 cm calcite veinlet @ 10° TCA.		
60					Calcareous zones coarser grained		
					lighter grey (in general).		
	99	20		70°	50.5 - 51.46 CA calcareous as		
					previous CA units. Sharp contacts		
61.87					51.46 - 52.55 - Non-calcareous. Sharp		
62.5					contacts.		
	96	87		60°	52.55 - 54.60 - Calcareous. Cut by		
					calcite + gypsum @ 30-40°.		
					54.60 - 55.98 . Non-calcareous. Strong		
					zone of folded laminae.		
64.92				95°	55.98 - 57.1 Calcareous. Calcite		
65.0					veinlets @ 40-60° TCA		
	49	89			57.1 - 59.15 Very weakly calcareous		
					- no veining		
					59.15 - 59.27 Calcareous		
67.5					*Note Entire unit is fetid - stronger		
					- Yellow, red oxides to 55.75m. Trace AG		

PAGE 6 OF 8 | PROJECT TAIGA | HOLE RAN98-24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		45.15	46.0		313420	8	<5	53.4	4	22	78
		46.0	47.5		421	10	<5	54.1	6	20	94
47.5		47.5	49.15		422	2	<5	49.4	4	25	72
49.15 - 50.5m - ?calcareous, cut by 1cm CA veinlets.		49.15	50.5		423	4	<5	39.8	2	14	104
50											
50.5 - 51.46m - ~~Non~~ calcareous		50.5	51.46		424	14	<5	48.6	4	18	172
		51.46	52.55		425	4	<5	54.6	5	41	352
51.46 - 52.55m - Non calcareous.											
52.5											
52.55 - 54.60 - Calcareous cut by gypsum + CA veins		52.55	53.65		426	16	<5	36.3	9	236	3390
		53.65	54.6		427	10	<5	45.2	3	42	680
Sample Blank					313428	10	<5	0.29	<1	1	80
54.60 - 56.0m Non-calcareous		54.6	56.0		429	12	10	52.4	3	25	96
55											
56.0 - 57.1m - Calcareous.		56.0	57.1		430	12	<5	49.3	3	13	68
57.1 - ~~59.27~~ Weakly calcareous		57.1	58.1		431	10	<5	54.1	3	15	78
57.5											
		58.1	59.27		432	4	<5	51.2	5	17	142
		59.27	60.3		433	30	<5	2.25	68	231	3060
59.27 - ~~Frac~~ 63.8m - Weak CA veinlets. Tr CaF. Tr Fe oxides		60.3	61.3		434	34	<5	0.95	63	250	4370
		61.3	62.3		435	50	<5	0.70	93	413	6680
		62.3	63.8		436	46	<5	0.42	78	330	5580
.5											
63.8 - 71.02m - Strong - Intense CA		63.8	65.0		437	30	<5	1.01	77	220	2375
65		65.0	66.5		438	24	15	0.68	79	221	2140
		66.5	68.0		439	34	40	0.73	101	265	3280
67.5											

PAGE 7 OF 8

PROJECT TAIGA

HOLE REN98-24

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	FRACTURE INTENSITY
67.97					59.27 - 71.02 (SHALE CASE)		
70	98	84			Black to dark grey carbonaceous shale, very hard, can't scratch with a knife, cherty beds common 59.27 - 65 m. Present below this but narrow + often broken displaced. Graphitic horizons common throughout as partings are graphitic. Core has a slight sheen to it (graphite). Moderately fractured to 63 m where it becomes intensely fractured - healed by calcite veinlets		
72.5					30° 25° 30° 40° 20°		
75							
77.5							
80							
82.5							

PAGE 8 OF 8 | PROJECT TAIGA | HOLE RAN98-24

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		68.0	69.5		313440	36	25	0.81	70	200	3680
70		69.5	71.02		313441	48	10	1.02	96	271	4930
72.5											

PAGE	OF	PROJECT	HOLE

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION	FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

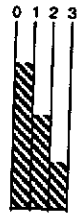
DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1250.3 m
HOLE: RGN98-25	AZIMUTH: 000°
LOCATION: 7180022N, 635796E	DIP: -80°
LOGGED BY: JASON WEBBER	LENGTH: 82.30 m
DRILLED BY: FALCON DRILLING LTD.	HORIZONTAL PROJECTION: 14.3 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 001.0 m
CORE SIZE: BTW	
DATE STARTED: June 22 / 98	DATE COMPLETED: June 23 / 98

DIP TESTS BY

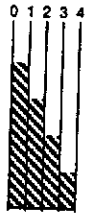
DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
82.30m	-71.5°	000°			

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

TO TEST ANOMALOUS SOIL GEOCHEMISTRY @ DLEN-DLE1 CONTACT ON MAIN GRID EXTENSION

SUMMARY LOG

0.0 – 4.57: CASING
4.57 – 7.55: LAMINATED SHALE AND CALCITE/DOLOMITE, V.F.G. PY ON LAMINAE; LOCAL AN
7.55 – 39.90: CALCAREOUS, SILICEOUS SHALE; tr LAMINATED PY; TENTACULITES? FOSSILS
39.90 – 41.20: FAULT ZONE; GRAPHITIC; SA; GYPSUM
41.20 – 45.93: CALCAREOUS, SILICEOUS SHALE AS @ 7.55 – 39.9m; tr GY, SD
45.93 – 47.60: FAULT ZONE; EXTREMELY FRACTURED; GY-, QZ-HEALED BRECCIA ZONES; GRAPHITIC; SA
47.60 – 82.30: CALCAREOUS, SILICEOUS SHALE AS @ 7.55 – 39.9m
82.30: E.O.H.

PAGE 1 OF 8 | PROJECT TAIGA | HOLE REN98-25

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Carbonate Veinlets	ALTERATION: Amphibole-Biotite	FRACTURE INTENSITY
					0-4.57m CASN			
2.5	0	0						
4.57					4.57- (SHALE BA)			
5.0	54	0			6° 7.55			
5.49								
6.1	26	0		wavy lamin. com. 40°	Medium grey laminated barite			
					<1.5mm laminae of barite/calcite			
	45	0		65° laminae	interlaminated with shaley/argillaceous			
7.32					& occasionally pyrite. Contorted			
7.5	147	65		60°	beds/laminae 5.49-6.2 m			
7.92					most pyritic. Pyrite. Moderate			
	77	46			to strong Amabergite locally. Unit			
9.14				80°	is strongly calcareous but not			
10.0					strongly veined. moderate 6.3 -			
	95	32		F? 80°	~7.0 m.			
				oval with dark core 1mm dia	Pyrite occurs as laminae &			
					as very fine disseminations.			
12.19					Most of unit is rubble.			
12.5				2mm PY lam @ 70°				
				2mm PY lam @ 60°				
	85	22						
				oval with dark core Tentaculites @ 14.67m				
				F 70° 7.55 - 39.9m (SHALE-CARB.)				
15.0								
15.24				1.5cm x 1mm Tentaculites partially repl by CB, repl by PY				
	77	31		75°	Black strongly calcareous shale to			
17.5					silty shale. Graphitic partings			
					common. Very hard, can't scratch			
18.29					with knife, conchoidal fracture			
					Finely laminated, generally well bedded			
				2mm oval white calcareous & dark core	Tentaculites Papery cleavage locally			
	90	28		F?	and generally fractures but occur			
20				70°	along shaley partings // to			
				70° 1mm PY laminae	bedding. PY laminae trace as			
21.34					well defined laminae up to 2mm			
					thick. Tentaculites? fossils @			
	87	29		22 & 2mm circle with dark centre F? 70°	14.67 m & 15.3 m (partially replaced by			
22.5					PY for latter)			

PAGE 2 OF 8 | PROJECT TAIGA | HOLE RGN98-25

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
4.57-5.49 Very poor recovery. AN on fc. PY laminae (W.f.g.) ~1% PY?		4.57	5.49		313442	10	<5	41.1	22	371	466
5.49-6.9 m - PY laminae as above strong AN on fracs CA veinlets. PY laminae, TR AN.		5.49	6.9		443	324	<5	24.9	210	2490	1640
		6.9	7.55		444	12	<5	3.87	13	76	230
7.55-22.5m Tr PY laminae, Wk calcite veinlets		7.55	8.5		445	24	<5	1.75	74	265	364
		8.5	9.5		446	20	<5	0.56	54	213	426
Tr PY laminae		9.5	10.5		447	18	<5	0.39	70	216	330
		10.5	12.0		448	20	<5	0.34	62	204	294
Tr PY laminae		12.0	13.5		449	216	<5	0.34	63	209	308
		13.5	15.0		313450	22	<5	0.36	62	188	308
		15.0	16.5		451	18	<5	0.36	64	191	356
		16.5	18.0		452	14	<5	0.44	47	164	250
		18.0	19.5		453	19	<5	0.75	53	180	409
		19.5	21.0		454	20	<5	0.28	62	194	484
		21.0	22.5		313455	30	<5	0.31	61	200	656

PAGE 3 OF 6 | PROJECT TAIGA | HOLE RGW98-25

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Graphitic units	Siderite veinlets	Gypsum	Jarosite	FRACTURE INTENSITY
					7.55 - 39.9m cont					
					Also present are possible fossils circular or oval in shape with white calcite rims and a dark core to them. 1 - 2mm in diameter elongate axis is // to bedding.					
				2mm x 20mm Py lams 60°						
24.38										
26.0				65°	Py laminae can be extremely fine or occur as dissemination within a defined horizon. also as lenses within a horizon.					
	96	50								
27.48				Py laminae 75°						
27.73					Graphite + calcite occur in stylolite-like structures // to bedding. Calcite veins dominant occurrence along laminae partings rare cross-cutting.					
				80°						
	98	86								
30										
30.48				60°						
	86	55								
31.39				Disrupted in 50° lam.						
32.5	87	48								
				35°						
33.53										
	94	55								
35.2				30						
35.28				Py clast/bleb						
	102	24		45°						
36.58										
37.5				60°						
	95	54		Gr. foliated zone & CA vn thru stockwk						
				70°						
39.162					39.9 - 41.2 BRECCIATED FAULT ZONE					
40.0					Matrix of graphite + jarosite + gypsum. Angular fragments dominant surrounded by zones of jarositic weathering, jewelety (siderite as well) Gradational contact.					
	92	22								
41.74					41.2 - 45.93					
42.5	97	58								
42.67					Same as 7.55 - 39.9m but heavily fractured + calcite veined. trace gypsum/siderite, wk quartz.					
	90	67		50°						
45.0										

PAGE 4 OF 8 | PROJECT TAIGA | HOLE RM98-25

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
22.5 Tr Py laminae		22.5	24.0		313456	26	<5	0.31	60	185	430
22.5 - 39.9											
V. wk Ca upits & Tr		24.0	25.5		457	24	<5	0.32	57	179	332
25.0 Py laminae.		25.5	27.0		458	10	<5	0.27	50	156	300
27.5		27.0	28.5		459	30	<5	0.29	66	205	458
		28.5	30.0		460	22	<5	0.33	66	209	538
		30.0	31.5		461	30	<5	0.81	94	290	658
		31.5	33.0		462	28	<5	0.77	60	188	384
32.5					463	<2	<5	0.04	<1	<1	24
		33.0	34.5		464	28	<5	0.49	81	220	536
35		34.5	36.0		465	32	<5	0.98	91	269	366
Tr Py ~~laminae~~ clast / blebs.											
		36.0	37.5		466	26	<5	0.31	105	291	586
		37.5	39.0		467	34	<5	0.78	85	326	1865
39.9 - 41.2											
Ja & Siderite? in bx matrix?		39.0	~~40.5~~ 39.9		468	36	<5	0.39	66	232	3160
Tr AN?		~~39.9~~			~~469~~						
41.2 - 45.93m.		39.9	41.2		469	40	<5	0.85	87	700	5860
Weak - mod ca vnlts + Qz+GYP		41.2	42.7		470	36	<5	0.27	48	241	4160
42.5		42.7	44.2		471	32	<5	0.46	44	236	3480
		44.2	45.93		472	32	<5	0.32	63	334	3600
45.93											

PAGE 5 OF 8 | PROJECT TAIGA | HOLE RAN98-25

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	Quartz	Gypsum				FRACTURE INTENSITY
45.72					45.93 - FAULT ZONE.							
					47.6							
					Extremely fractured, rubbley zone							
					paper-Thin clearvage locally. Breccia							
	85	24			zones healed by gypsum + quartz							
47.5					70° Tr sideritic veining. & Tourmaline							
					locally moderate. Weak quartz							
48.77					veinlets (but mostly rubble - difficult							
					60° to assess). Weakly baritic veinlets.							
50					Upper + lower contacts gradational							
	98	72			75° Abundant ~~graphite~~ + calcite.							
					80° graphite.							
					47.6 - 82.3 m SHALE CASE.							
51.82												
52.5					Similar to 7.55 - 39.8 m.							
					↑ calcite veinlets decreasing							
	98	3			slightly with depth. Decreased							
					silty component, - ~~dominant~~ Increased							
54.850					graphitic laminae/partings. Trace							
55					70° pyrite on laminae. Decreased							
					calcareous component of matrix.							
	98	39			To 49.4 m - abundant torsion gash							
					veinlets.							
57.5												
					~40m - 82.3m (SHALE CASE)							
57.91					70°							
	99	57										
60												
					70°							
60.96												
	95	20			70°							
62.5												
64.01												
65												
	99	39										
67.06					60°							
67.5												

PAGE 6 OF 8 | PROJECT Taiga | HOLE RW98-25

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
45											
Jn & siderite in bx zone rubble - poor recovery.		45.93	47.6		313473	41	<5	0.32	81	755	7125
47.5											
M- Strong calcite vn/fx. ↓ with depth.		47.6	48.8		474	38	<5	0.29	49	261	4210
↓ Cn vn/fx. 49.9.		48.8	49.9		475	38	<5	0.31	53	227	3890
50 Cn vn/fx (wk) ± PY laminae.		49.9	51.9		476	30	<5	0.19	39	171	2150
52.5		51.9	53.4		477	38	<5	0.24	56	282	3820
		53.4	54.9		478	30	<5	0.23	48	245	3150
55		54.9	56.4		479	36	<5	0.38	54	293	3400
		56.4	57.9		480	40	<5	0.35	58	265	3060
57.5		57.9	59.4		481	30	<5	0.26	55	191	2250
		59.4	60.9		482	30	<5	0.23	65	192	2330
SAMPLE BLANK					313483	<2	<5	<0.01	<1	<1	16
		60.9	62.9		484	34	<5	0.23	50	205	2670
65		62.9	64.9		485	40	10	0.27	46	267	2910
67		64.9	66.9		486	30	<5	0.22	45	180	2040
		66.9	68.9		313487	26	10	0.23	56	184	1790
70											

PAGE 7 OF 8

PROJECT TAIGA

HOLE REN98-25

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	FRACTURE INTENSITY
	99	37		70°			
70							
70.1					~ 71.0 - 73.0 Limit fragments up to 4 cm in length/width		
	96	50		0	& silty fragments		
72.5							
73.15					laminated silty, calcareous rock @ 80°		
	91	12			~ 73 to 92.3 m. Silty calcareous beds well laminated + massive silty beds to 15 cm thick.		
75				80°			
75.9				90°			
	101	11					
76.81							
77.5	90	27		~5°			
78.64							
	81	11					
80							
80.62				25°			
	87	15			2 mm pm laminae 50 + to 1 cm.		
82.3							
82.5				60			

PAGE 6 OF 8 | PROJECT TAIGA | HOLE RAN98-25

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Ag (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
		68.9	70.9		313488	34	<5	0.23	113	326	1230
70											
		70.9	72.9		489	32	<5	0.34	63	246	2400
72.5											
		72.9	74.9		490	32	<5	0.32	34	212	1485
75											
		74.9	76.9		491	32	10	0.42	54	260	2230
77.5		76.9	78.9		492	26	<5	0.60	29	213	1195
78.9 - 82.3 Pyrite laminae to 2mm thick + weak CA veins.		78.9	80.9		493	28	<5	0.53	18	228	1515
80											
		80.9	82.3		313494	36	10	0.54	20	262	1545

PAGE	OF	PROJECT	HOLE

DEPTH (M)	% CORE REC	% RQD			LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION						FRACTURE INTENSITY

EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1350m
HOLE: RON98-26	AZIMUTH: 000°
LOCATION: 7180150N, 635330E	DIP: -60°
LOGGED BY: JASON WEBBER	LENGTH: 95.1m
DRILLED BY: FALCON DRILLING LTD.	HORIZONTAL PROJECTION: 47.6m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 82.4m
CORE SIZE: BTW	
DATE STARTED: June 23/98	DATE COMPLETED: June 25/98

DIP TESTS BY

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
95.1m	-62°	[illegible]			

ALTERATION SCALE

absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

TO TEST DUCK-DUCBA-DUCI CONTACT @ ROSE BARITE SHOWING

SUMMARY LOG

0.0 - 3.05: CASING

3.05 - 18.90: CHERTY ARGILLITE

18.90 - 24.60: FAULT ZONE

24.60 - 34.50: CHERTY ARGILLITE; INTENSELY FRACTURED (FAULT ZONE?)

34.50 - 46.50: CHERTY ARGILLITE AS @ 3.05 - 18.90, GRAPHITIC CONTENT INCREASES W DEPTH

46.50 - 58.20: CHERTY ARGILLITE, GRADATIONAL SILTSTONE

58.20 - 86.40: SILTSTONE; POROUS, PUNKY, SOOTY, LIMESTONE BALLS, HZ

86.40 - 95.10: INTERBEDDED BLACK SILTY GRAPHITIC AND SILICEOUS SHALE WITH LIMESTONE AND SILTY LIMESTONE; DOMINANTLY SILICEOUS; GRADES DOWNWARD INTO RHYTHMIC SHALE AND LIMESTONE

95.10: E.O.H.

PAGE 1 OF 10 | PROJECT TAIGA | HOLE RAN98-26

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	ALTERATION: Quartz	FRACTURE INTENSITY
0					0-3.05m CASN			
2.5								
3.05					3.05-18.9 CHERTY ARGILLITE (CARG)			
3.90	134	114		30°	Black cherty argillite. Strongly fractured @ 20-40° TCA. Weak graphitic partings @ ~30° TCA @ top of section. Generally blocky, irregular fracture, with ochre coatings. Rare bedding @ ~30° Quartz veins weak @ top of interval increasing in strength to moderate between 7.7 m & 12.4 m. Veinlets up to 1.5 cm thick with Fe oxides + abundant open spaces with euhedral quartz growths in them.			
5.0	59	45		20° 40°				
5.18				80° w/ ochre				
	33	0		40°				
6.71				clay/gouge (olive gr-br) 40°				
7.32	134	0						
7.7				Qz veins & vnlts				
8.23	99	13						
				35°				
	72	13		10 Cm 60° 40° 60° Qz vnlts (55-154)				
9.75								
10								
	42	8						
11.28								
	38	11						
12.19								
12.5								
	59	0		60°	-5.18 - 6.50m. (Brown to olive green clay-rich "mud" seam @ ~5.4-6.5m.) 5.18-5.4 is strongly fractured, weakly alt'd.			
13.11				10 cm qz vnlt	5.4-6.5m Likely a fault gouge zone. Some relict veinlets noted in 10 cm completely clay altered section. Poss. bly oriented @ 40° TCA (dominant surrounding fracture orientation. Surrounding clay alt'd rock is very soft, easily cut with knife but textures intact.			
	12	0		30°				
14.33								
15.0								
	72	24		60°				
				45°				
				50°	17.2-17.4 Siliceous/cherty silty horizon			
17.37								
17.5				Qz Carb (Slip) @ 35°/50°				
	77	30						
					18.9-24.5 FAULT ZONE (FAUL)			
20								
20.42					Soft, intensely fractured zone with abundant clay & gouge). Upper portion to 20.42 basically intact but clay along fractures + slightly softer matrix. 20.42-22.75m is M-strongly clay altered			
21.03	46	0						
	56	0						
22.5								

PAGE 2 OF 10 | PROJECT TAIGA | HOLE RM98-26

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
0											
2.5											
Wk Qz veinlets + Fe oxides.		3.05	3.96		313495	24	15	0.41	31	32	94
		3.96	5.18		496	22	<5	0.48	22	25	48
5.0 Clay gouge zone		5.18	6.71		497	34	<5	0.39	37	438	2040
Wk veinlets Qz, Wk Fe oxides.		6.71	8.2		498	32	365	0.48	35	52	218
7.5 moderate Qz veinlets, mod Fe ox		8.2	9.7		313499	38	<5	0.65	42	67	360
10.0 Same as above		9.7	11.28		31350C	48	<5	0.98	52	88	362
Qz, moderate - wk Fe ox		11.28	13.11		501	34	15	0.63	30	51	166
12.5											
Wk qz + ? (yellow weathered veins Fe oxide - Fe Cb ?)		13.11	15.0		502	10	<5	0.60	18	27	116
15.0 Ag above		15.0	17.0		503	32	10	0.49	36	43	250
J. Wk veinlets		17.0	18.7		504	20	<5	0.59	24	36	150
17.5											
W Clay altered zone		18.9	22.42		505	28	<5	0.74	35	168	912
20											
S - Intense clay altn.		2042	2347		31350C	55	10	1.21	82	398	1715
22.5											

PAGE 3 OF 10 | PROJECT TAIGA | HOLE RAN98-26

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CARBONATE	ALTERATION: QUARTZ	FRACTURE INTENSITY
23.47					very friable (crumbles upon handling) but primary textures still identifiable. 22.75 - 24.2 intensely clay altered with rock very soft & trace 1° textures visible. (Resembles a saprolite). 24.2 - 24.5 m. weak clay on fractures. Both upper & lower contacts are gradational.			
25	85	14						
25.10				rubble zone				
26.57	99	49		70° fr				
27.5	69	0			34.5			
28.04				rubble zone	24.5 CHERTY ARGILLITE / FAULT ZONE: Intensely to strongly fractured cherty argillite. Zones of rubble & re-drilled pebbles. 29.5 - 29.9 is brecciated with soft, graphitic/gauge matrix. Ochre stain on fracs, weak - mod ox. dev on fracs, which tend to be low & to E.A. Slightly more graphitic component than above cherty argillite. N 32.4 - 33.2 Another clay altered zone as seen above units.			
29.57	72	8						
30	83	10		30° fr				
30.78				15° fr				
32.5	64	7		20° fr				
32.60				40° fr				
				120° fr				
				100° fr				
	77	16		clay alt + gauge zone	25.6m - 56.4 m (ARGYL)			
35								
35.60				34.5-46.64 clo°	CHERTY ARGILLITE: Decreased fracturing, weak quartz veinlets. Similar to above units of ARGYLLITE. Becomes more graphitic with depth. Grades into mixed graphitic siltstone / cherty argillite unit ~~(34.5 - 46.65 m)~~ 46.65 - 58.2m			
	87	70		fr 45° (bedding?)				
37.5								
38.1				35° fr				
	80	20						
39.47				clay alt zone 40°	- 38.8 to 39.5 m. Moderately clay altered zone as seen above.			
40.0				fr sub// clay alt zone <25°?				
	77	60						
41.70								
42.5	73	33		20°				
43.28								
	80	27		15°				
44.81				30°				
45°				35° bed				

PAGE 4 OF 10 | PROJECT Taiga | HOLE REN98-26

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
Intense Clay altn.		23.47	24.5		313507	60	10	1.59	84	384	1990
26 Wk qz veinlets.		24.5	26.51		508	10	<5	1.63	13	60	198
26.51 - 34.5m. Broken, rubbley core weak mod jarosite		26.51	28.5		509	8	<5	0.67	9	51	157
27.5 Br zone with clay (w-m) + gr (ws) matrix. mod. Ja		28.5	30.5		510	32	<5	0.69	40	117	400
30 Wk Ja, wk Qz vnlts		30.5	32.5		511	24	10	0.46	32	65	70
32.5 M.ww clay altn/weathering, wk Qz		32.5	34.5		512	30	<5	0.46	55	136	557
34.5-39.5m. Tr-wk Fe oxides on fracs. Wk Qz vnlts.		34.5	36.5		513	80	20	0.31	60	72	176
35 Olive-green clay alt. zone		36.5	38.5		514	10	<5	0.38	43	60	130
5					3135.5	<2	<5	0.01	<1	<1	10
		38.5	39.5		516	30	<5	0.49	58	264	1335
Wk Fe, wk Qz vnlts		39.5	40.5		517	60	15	0.55	74	495	1745
wk Ja wk Qz vnlts		40.5	42.5		518	26	10	0.38	52	81	350
42.5 wk Qz vnlts, Tr Fe		42.5	44.5		519	80	10	0.32	42	66	126
Tr Fe Oxides, Wk Qz vnlts 45		44.5	46.65		313520	26	<5	0.38	67	182	674

PROJECT Taiga

HOLE REN98-26

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	ALTERATION: GYPSUM	FRACTURE INTENSITY
46.33	74	18							
47.5	61	0			46.65 - 58.2m CHERTY ARGILLITE & GRAPHITIC SILTSTONE: Black cherty shale as above with graphitic fracs & horizons. Interval is very broken & strongly fractured probably due to faulting. Often broken, fragmented with chert with graphitic material matrix. Weak - moderate iron oxides & becomes more carbonaceous/graphitic with depth. Slightly increased quartz veinlets & irregular fracture fillings. Poss. bly weakly baritic				
47.85	71	0							
49.38									
50	66	0							
50.9									
52.43	86	33							
52.5									
58.15	69	0							
55	82	37			48.5 - 49.6 m. Olive green siltstone with slight brown mottled texture. Fault contact @ ~5° TCA. Very porous, massive no bedding or laminae. Patchy seams of same material to 50m. @ 60° TCA Moderate Fe oxides				
57.2									
57.5	16	0							
57.61									
60	111	62			50.75 - 52.4 m. Brecciated with soft salty graphitic matrix				
60.05									
62.5	98	38			58.2 - 58.4 Dark grey to olive GRAPHITIC MASSIVE (SHALE) SILTSTONE "Punky", soapy similar to other graphitic footwall units seen on MM Grid but more of an olive colour to it in places. Also somewhat coarser grained very porous, punky - absorbs water, HCl reactive.				
63.09									
65	98	38			CBM - limestone ball 59.65-60.05 poss. bly baritic. heavier than surrounding rock. Weakly calcareous. Surrounding rock non-calcareous.				
66.14									
67.5	97	56			Weak gypsum veining & weak white ppt on core. Core gets slightly heavier with depth.				

Limestone ball

Limestone ball?

PAGE 6 OF 10 | PROJECT TAIGA | HOLE RM98-26

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
45											
Tr Gypsum, wk Qz veins Tr Fe oxides		46.65	48.5		313521	36	<5	0.41	74	391	1605
47.5											
wk Clay alt zone (s.ltstone). (fault contact) Porous.		48.5	50.0		522	18	<5	0.77	34	141	588
50											
M-w bx, graphitic. Tr-w Fe oxides Tr Gypsum		50.0	52.0		523	24	<5	0.98	48	71	124
52.5											
Tr. Gypsum, m-w Fe oxides		52.0	54.0		524	8	<5	1.25	20	128	394
Same as above		54.0	56.0		525	24	<5	3.08	17	98	310
55											
Moderate Fe oxides		56.0	58.2		526	19	<5	2.00	12	104	367
57.5											
Massive, graphitic Tr Gypsum veins.		58.2	59.65		527	16	<5	1.80	7	95	384
60											
Limestone beds.		59.65	60.6		528	10	<5	0.40	4	170	650
60.6 - 67.6. m-w Massive, black, m-w dark brown - black. Tr-w Gypsum veins. V wk Fe oxides Porous		60.6	61.6		529	18	<5	0.91	8	134	606
62.5		61.6	62.6		530	20	<5	0.93	9	98	398
		62.6	63.6		531	20	<5	0.87	17	136	550
		63.6	64.6		532	20	<5	0.89	17	125	496
65		64.6	65.6		533	18	<5	0.90	14	93	404
		65.6	66.6		534	16	<5	0.89	14	123	478
Sample Blank					535	<2	<5	0.07	<1	<1	34
		66.6	67.6		313536	20	<5	0.77	7	82	294
67.5											

PAGE 7 OF 10 | PROJECT TAIGA | HOLE RAN98-26

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Calcite	Quartz	Gypsum				FRACTURE INTENSITY
67.9												
69.19												
70												
	94	47										
72.24												
72.5												
	94	27										
75												
75.29					75m - 85.3 - Powdery blue (light blue) coating on core - turns bright orange-red when zinc-zap applied. Some areas only turn royal blue. Zinc + iron present.							
	99	58										
77.5												
78.33					Calcite veining appears @ 84.5m							
	82	4										
80												
80.77												
	82	21										
81.38												
	112	13										
82.3												
82.5												
	93	7										
84.43												
85												
	82	28		90°								
					86.4 - (SHEAR ZONE) GRAPHITIC + SILICEOUS INTERBEDDED BLACK SILTY SHALE AND CARBONATE/SILICEOUS ~~SILICEOUS~~								
					95.1							
87.48					Top of interval is dominantly black silty shale with siliceous beds (both 0.1 - 3.0cm) Moderately to well defined shaley cleavage makes it distinct from overlying unit. Local papery cleavage. Grades into interbedded silty shale/limestone.							
87.5												
	96	15										
90												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
67.5 - 74.6m Massive black to brown black with weak gypsum veins. Funky, porous, sooty		67.6	68.6		313538	22	<5	0.85	8	99	418
		68.6	69.6		538	18	<5	0.83	14	157	750
		69.6	70.6		539	20	<5	1.00	15	133	600
		70.6	71.6		540	20	<5	0.94	14	126	706
		71.6	72.6		541	20	<5	0.80	15	132	536
		72.6	73.6		542	22	<5	0.57	13	85	288
		73.6	74.6		543	24	<5	0.71	8	83	228
~~74.6~~ 74.6 - 80.6m V. wk Powdery blue coating as well as white ppt. on core reacts orange-red, + blue to zinc-zap		74.6	75.6		544	18	<5	0.85	11	67	178
		75.6	76.6		545	16	<5	0.69	11	77	286
		76.6	77.6		546	16	<5	0.67	6	56	215
		77.6	78.6		547	16	<5	0.62	7	55	172
		78.6	79.6		548	12	<5	0.49	11	85	214
		79.6	80.6		~~549~~	16	<5	0.83	8	51	128
80.6 - 86.4 m. W - m. White ppt, powder blue coating on core reacts as above to zinc-zap.		80.6	81.6		313 550	34	10	0.61	35	180	620
		81.6	82.6		551	26	<5	0.46	34	132	798
		82.6	83.6		552	12	<5	0.62	4	38	184
		83.6	84.6		553	22	<5	0.43	29	90	410
		84.6	85.6		554	22	<5	0.59	33	75	294
Sample Blank Ca vein 1 cm wide 86.4 - 90.5 m					555	<2	<5	0.01	<1	<1	18
		85.6	86.4		556	22	<5	0.88	21	81	868
Celeste, gypsum veinlets wk trace qz. Decrease white ppt on core. Quite graphitic		86.4	87.6		557	10	<5	0.99	9	20	64
				No	Sample Tag for 313558						
		87.6	88.6		559	12	<5	1.88	40	32	160
				No	Sample Tag for 313560						
		88.6	89.6		561	10	<5	2.01	30	43	188
		89.6	90.5		562	22	<5	3.10	56	59	178

PAGE 9 OF 10 | PROJECT TAIGA | HOLE REN98-26

DEPTH (m)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CALCITE	ALTERATION: QUARTZ	ALTERATION: GYPSUM	FRACTURE INTENSITY
90.53					@ ~90 metres to end of hole. Calcite, quartz + gypsum veinlets dominantly along partings but @ 93.5-94 ± sub// to C.A.				
	84	41							
92.05				85°					
92.3					Unit becomes less graphitic with depth. Limestone horizons 0.5-2cm thick. Unit may be weakly foliated.				
	92	8							
93.52				85°					
	98	7		05° CA	Upper contact 90° TCA.				
95									
95.1									
97.5									

PAGE 10 OF 10	PROJECT Taiga	HOLE BN98-26

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS As (ppm)	Au (ppb)	Ba (%)	Mo (ppm)	Ni (ppm)	Zn (ppm)
90 Wk Ca salts, trace gypsum v wk Fe oxide.		90.5	91.5		313563	8	<5	14.30	35	94	1130
		91.5	92.5		564	14	<5	2.88	41	78	480
92.5		92.5	93.5		565	20	<5	9.26	54	216	370
Weak Fe oxide.		93.5	95.1		566	18	<5	4.54	43	168	424
95											
1.5											
* Note: No sample tags exist for 313558 or 313560											

PAGE	OF	PROJECT	HOLE

DEPTH (m)	% CORE REC	% RQD			LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION						FRACTURE INTENSITY

APPENDIX F

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, Stewart Harris of 20771 44 Avenue, Langley, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist 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 a Bachelor of Science degree in Geology.

3. THAT I am a Professional Geoscientist 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 property work I supervised during May, June, and July, 1998, government publications and assessment reports filed with the Yukon Territory.

DATED at Vancouver, British Columbia, this 26 day of February, 1999.

Stewart Harris, P.Geo.

GEOLOGIST'S CERTIFICATE

I, Murray Jones of 8606 144A Street, Surrey, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist 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 a Bachelor of Science degree in Geology, and a Master of Science degree in Geology from the University of Ottawa.

3. THAT I am a Professional Geoscientist 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 property work I conducted during May, June, and July, 1998, government publications and assessment reports filed with the Yukon Territory.

DATED at Vancouver, British Columbia, this 26th day of February, 1999.

Murray Jones, P.Geo.

GEOLOGIST'S CERTIFICATE

I, Jason Weber of Suite #8A 1385 West 15th Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist 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 a Bachelor of Science degree in Geology.

3. THAT I am a Geoscientist-in-Training 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 property work I conducted during May, June, and July, 1998, government publications and assessment reports filed with the Yukon Territory.

DATED at Vancouver, British Columbia, this 26TH day of February, 1999.

Jason Weber, B.Sc.

TRUE NORTH IS 2°29' WEST
OF UTM GRID NORTH

093986

MAP SYMBOLS

- Outcrop
- Felsenmeer, talus slope
- Lithological contact (defined, inferred)
- Bedding (inclined, horizontal, vertical)
- Joint (inclined, vertical)
- Vein (inclined, vertical)
- Cleavage (inclined, vertical)
- Fault (slickensides)
- Anticline, syncline
- Diamond drill hole (Azimuth, dip, length)
- Rock Sample (float, grab)
- Soil sample
- Fossil locality (graptolites, tentaculites)
- Limestone balls, chert balls, barite balls — LB, CB, BB

MODIFIERS

/	interbedded	ar	argillaceous	ba	baritic
bk	black	ca	calcareous	cr	carbonaceous
ch	cherty	fe	ferricrete	fs	fossiliferous
gr	graphitic	gs	gossan	lt	light
lm	limy	mx	massive	ph	phyllitic
		si	siliceous		

MINERALIZATION

AN - annabergite	AR - aragonite	AZ - azurite
BA - barite	CA - calcite	GL - galena
HZ - hydrozincite	PB - pyrobitumen	QZ - quartz
SP - sphalerite	SU - sulvanite	TT - tetrahedrite
PY - pyrite	VB - volborthite	VS - vaesite

1994 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
596906	<5	-	-	1.2	-	56	42	152	<2	188
596912	<5	-	-	0.4	-	78	28	38	8	56
596913	<5	-	-	<0.2	-	1	<1	12	<2	16
596914	<5	-	-	0.6	-	259	23	89	<2	1844
596915	<5	-	-	<0.2	-	2	3	37	<2	54

1996 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
44385	24	40	20	3.4	452	162	262	3590	42	1635
44386	<4	<10	<4	0.6	18	34	46	187	2	1020
44387	<4	<10	<4	0.6	24	35	64	172	6	562
44388	4	10	4	1.6	26	113	43	449	6	944
44389	<4	<10	<4	0.2	24	42	16	118	12	584
44390	16	40	24	3.8	420	149	403	4450	22	702
44391	4	<10	4	1.6	44	94	87	753	6	5770
44392	4	<10	<4	1.0	14	22	29	36	4	106

1998 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	As (ppm)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
312007	<5	-	-	10	232000	46	21	84	<2	506
312008	<5	-	-	12	74400	50	19	152	<2	970
312009	<5	-	-	<2	189000	79	2	119	<2	1480

LEGEND

MIDDLE TO UPPER DEVONIAN
Lower Earn Group:

DLEu — *Upper member :* blocky weathering, red and yellow ochre stained, often resistant outcrops of cherts and cherty argillites capped by a chert-pebble conglomerate
ARGL : argillite
CHRT : chert
CNGL : chert pebble conglomerate, barite

DLEba — *Barite horizon :* finely laminated with varying siliciclastic and calcareous content to massive and coarsely recrystallized barite

DLEl — *Lower member :* intensely fractured, dark grey to olive-brown weathering, commonly calcareous, carbonaceous, abundant hydrozincite, calcite or gypsum on fractures, recessive outcrops of calcareous black shale and siltstone with interbedded limestone and chert, chert - shale rhythmite; commonly contains limestone balls (**LB**) with lesser chert (**CB**) and barite (**BB**) balls.
ARGL : argillite
LMST : limestone
SHAL : black shale
SLTS : siltstone
CHRT/SHAL : interbedded chert - shale rhythmite

Scale 1:1000

0 50 100 150

Metres

BLACKSTONE RESOURCES INC.

Taiga Project

MM Grid
Geology and
and Diamond Drillhole Plan

EQUITY

Date DEC. 1998		Scale 1:1000	Figure 8
U.T.M. Zone 7 NORTH		Mining District Dawson	
N.T.S. 116B/9		State/Province Yukon Territory	

MMGdDiaDrillplan

1998 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	As (ppm)	Ba (%)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
108982	<5	-	-	38	0.14	48	51	60	4	449
108983	<5	-	-	6	2.13	28	24	72	6	340
108987	<5	-	-	<2	3.41	3	1	20	4	206
312078	<5	-	-	<2	0.11	2940	<1	3	6	4070
312089	25	-	-	72	13.8	46	53	12	8	62
312090	<5	-	-	50	6.19	96	107	42	4	108
312091	<5	-	-	2	4.48	33	10	35	<2	58
312092	10	-	-	48	20.6	76	17	37	8	196

1998 Soil Sample Analyses

Sample Number	Au (ppb)	As (ppm)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
98MJS-045	25	84	9000	194	129	574	14	2520
98MJS-046	<5	36	9400	75	51	376	4	2280
98MJS-047	<5	102	9200	239	141	751	14	6980
98MJS-048	<5	82	>10000	335	137	745	16	8490
98MJS-049	<5	90	>10000	310	168	796	14	1.29%
98MJS-050	30	84	9000	395	84	957	10	1.67%
98MJS-051	<5	56	8000	207	67	476	8	5560

LEGEND

MIDDLE TO UPPER DEVONIAN
Lower Earn Group:

DLEu *Upper member :* blocky weathering, red and yellow ochre stained, often resistant outcrops of cherts and cherty argillites capped by a chert-pebble conglomerate
ARGL : argillite
CHRT : chert
CNGL : chert pebble conglomerate, barite

DLEba *Barite horizon :* finely laminated with varying siliciclastic and calcareous content to massive and coarsely recrystallized barite

DLEl *Lower member :* intensely fractured, dark grey to olive-brown weathering, commonly calcareous, carbonaceous, abundant hydrozincite, calcite or gypsum on fractures, recessive outcrops of calcareous black shale and siltstone with interbedded limestone and chert, chert - shale rhythmite; commonly contains limestone balls (**LB**) with lesser chert (**CB**) and barite (**BB**) balls.
ARGL : argillite
LMST : limestone
SHAL : black shale
SLTS : siltstone
CHRTSHAL : interbedded chart - shale rhythmite

Dmv Mafic volcanic flow
DIOR : diorite

ORDOVICIAN TO SILURIAN
Road River Group:

ORsh recessive, papery-thin, dark grey to black carbonaceous and calcareous black shales with abundant graptolites
SHAL : black shale

OrdI DLMT : dolomite

CAMBRIAN(?) TO SILURIAN

csDL grey, massive to thick-bedded dolomite, fine to coarsely crystalline, commonly silicified and porous
DLMT : dolomite

UPPER PROTEROZOIC AND LOWER CAMBRIAN
Hyland Group

PCHph Laminated phyllitic siltstone and shale
PCHmv Mafic volcanic flow

Mapping includes 1994 mapping (Baknes, 1994), and 1996 mapping (Caulfield, 1996).

MAP SYMBOLS

Outcrop
Felsenmeer
Lithological contact (defined, inferred)
Bedding (inclined, horizontal, vertical)
Joint (inclined, vertical)
Vein (inclined, vertical)
Cleavage (inclined, vertical)
Fault (slickensides)
Thrust fault
Minor fold (showing plunge direction)
Anticline, syncline
Trench
Diamond drill hole
Rock Sample (float, grab)
Soil sample (grab, grid)
Fossil locality (graptolites, tentaculites)
Limestone balls, chert balls, barite balls

MODIFIERS

/	interbedded	ar	argillaceous
bk	black	ca	calcareous
ch	cherty	fe	ferricrete
gr	graphitic	gs	gossan
lm	limy	mx	massive
		si	siliceous
ba	baritic		
cr	carbonaceous		
fs	fossiliferous		
lt	light		
ph	phyllitic		

MINERALIZATION

AN - annabergite	AR - aragonite	AZ - azurite
BA - barite	CA - calcite	GL - galena
HZ - hydrozincite	PB - pyrobitumen	QZ - quartz
SP - sphalerite	SU - sulvanite	TT - tetrahedrite
PY - pyrite	VB - volborthite	VS - vaesite

1996 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
3852	<4	<10	<4	1.6	52	85	32	116	<2	1980
3853	<4	<10	<4	0.2	16	128	22	72	<2	854
3854	<4	<10	<4	<0.2	16	338	38	103	<2	326
3855	<4	<10	<4	3.0	48	100	44	151	<2	3600
3856	<4	<10	4	0.8	300	185	14	2990	10	8130
3857	<4	<10	<4	<0.2	10	32	8	2320	2	1.42%
3858	<4	<10	<4	0.6	16	201	9	459	<2	6360
3859	<4	<10	<4	0.2	6	17	17	41	6	94
3860	<4	<10	<4	<0.2	45	41	55	250	<2	1390
3861	<4	<10	<4	<0.2	24	109	39	192	<2	570
3862	<4	<10	<4	0.4	36	17	42	13	16	44
3863	<4	<10	<4	0.2	60	223	45	156	8	512
3864	<4	<10	<4	1.2	85	33	149	76	6	148
3865	<4	<10	<4	<0.2	52	243	56	151	<2	1138
3866	<4	<10	<4	0.6	70	46	118	65	<2	146
3867	8	10	<4	1.8	24	104	46	27	8	18
3868	8	5	14	2.2	164	52	69	23	12	56
3869	<2	<5	2	0.4	18	64	39	21	2	16
3870	<2	<5	<2	0.2	8	18	29	24	8	46
3872	<2	<5	<2	0.2	10	103	25	163	2	1770
3873	<2	<5	<2	<0.2	8	2290	4	16	8	62
3874	<2	<5	<2	<0.2	14	348	26	56	6	408
3875	<2	<5	<2	<0.2	6	82	4	22	12	832
3876	<2	<5	<2	<0.2	4	100	16	222	6	1045
3877	2	<5	4	0.2	16	22	56	103	6	354
3878	4	<5	2	0.2	10	56	28	117	6	282
3879	<2	<5	4	<0.2	30	216	35	231	6	706
3880	<2	<5	2	0.2	14	62	241	90	6	184
3881	<2	<5	<2	0.6	36	52	43	125	16	798
3882	<2	<5	<2	0.4	10	23	27	43	6	136
3883	<2	<5	<2	0.6	42	33	92	152	12	484
3904	100	560	244	20.2	2770	127	1635	5.21%	168	136
44364	4	<10	4	3.2	208	87	164	409	8	168
44365	84	340	160	14.8	2330	301	853	3.58%	16	202
44366	4	<10	12	2.6	40	33	39	102	34	90
44367	<4	<10	<4	18.4	244	60	5	53	1.40%	4.22%
44368	<4	<10	<4	0.6	30	111	92	279	4	172
44369	<4	<10	<4	0.6	8	41	28	65	32	160
44370	8	30	12	2.2	142	218	220	333	30	472
44371	<4	<10	<4	0.2	18	30	38	58	6	64
44372	<4	<10	<4	0.2	18	72	67	75	2	104
44373	<4	20	8	1.4	170	142	206	274	<2	438
44374	<4	<10	<4	0.2	26	80	93	74	2	74
44375	<4	<10	<4	0.8	18	36	20	39	<2	24
44376	<4	<10	8	1.0	30	77	43	106	2	240
44377	<4	<10	4	1.8	10	12	65	52	4	26

1996 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
44378	<4	<10	<4	0.2	20	56	40	158	<2	870
44379	2	<5	4	0.6	12	52	7	37	<2	150
44380	<2	<5	<2	<0.2	6	5	2	4	<2	8
44381	10	35	22	2.2	342	91	307	2510	20	1620
44382	20	95	52	4.8	658	137	819	5410	22	2210
44383	<4	<10	4	0.4	30	31	64	394	6	866
44384	4	<10	4	1.0	56	155	76	895	6	1.44%
44385	24	40	20	3.4	452	162	262	3590	42	1535
44386	<4	<10	<4	0.6	18	34	46	187	2	1020
44387	<4	<10	<4	0.6	24	35	64	172	6	562
44388	4	10	4	1.6	26	113	43	449	6	944
44389	<4	<10	<4	0.2	24	42	16	118	12	564
44390	16	40	24	3.8	420	149	403	4450	22	702
44391	4	<10	4	1.6	44	94	87	753	6	5770
44392	4	<10	<4	1.0	14	22	29	36	4	106
44393	8	<10	8	2.2	82	84	244	164	12	102
44394	4	10	12	1.8	50	147	99	65	8	70

1995 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
4551	14	<5	2	0.4	34	145	94	591	6	1145
4552	<2	<5	2	<0.2	28	79	52	338	6	2810
4553	28	210	90	10.6	456	52	348	223	52	532
4554	<2	5	4	0.8	172	108	85	369	8	1290
4555	<2	10	10	2.4	22	55	31	92	8	400
4556	<2	30	22	4.6	620	60	337	231	14	208
4557	<2	<5	4	1.2	144	88	38	45	8	68
4558	<2	40	12	3.4	36	75	57	93	8	58

1994 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
596556	35	120	58	7.8	-	589	454	2.06%	26	254
596557	<5	-	-	0.2	-	68	30	190	6	66
596558	<5	<5	<2	<0.2	-	100	39	2252	<2	4.19%
596559	<5	-	-	0.6	-	103	28	110	6	3150
596560	<5	-	-	<0.2	-	2	1	10	4	90
596722	<5	-	-	2.0	-	82	57	246	8	1994
596723	<5	-	-	0.2	-	23	30	52	6	258
596724	<5	-	-	1.8	-	53	21	133	4	2512
596725	<5	-	-	1.0	-	40	30	76	<2	1462
596726	<5	-	-	<0.2	-	3	6	43	<2	180
596727	<5	-	-	<0.2	-	15	4	24	<2	290
596728	<5	-	-	<0.2	-	51	13	97	<2	1402
596729	<5	-	-	<0.2	-	32	11	40	<2	658
596758	<5	-	-	<0.2	-	15	4	10	<2	102
596759	<5	-	-	<0.2	-	10	2	20	<2	286
596760	<5	10	6	0.4	-	41	138	1614	<2	2764
596761	<5	-	-	0.6	-	28	9	47	<2	372
596762	<5	-	-	<0.2	-	10	27	31	<2	28
596763	<5	-	-	<0.2	-	15	26	21	4	12
596905	<5	-	-	<0.2	-	1	1	14	<2	26
596906	<5	-	-	1.2	-	56	42	152	<2	188
596907	<5	-	-	1.4	-	66	39	125	4	110
596908	<5	-	-	1.0	-	37	97	56	<2	18
596909	<5	-	-	2.4	-	72	51	117	<2	1414
596910	<5	-	-	1.4	-	42	39	93	<2	1238
596911	<5	-	-	<0.2	-	1	3	77	<2	410
596912	<5	-	-	0.4	-	78	28	38	8	56
596913	<5	-	-	<0.2	-	1	<1	12	<2	16
596914	<5	-	-	0.6	-	259	23	89	<2	1844
596915	<5	-	-	<0.2	-	2	3	37	<2	54

- denotes analyses not completed

1997 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
3909	10	5	10	2.4	114	86	22	63	274	518
3910	12	5	10	1.2	34	61	5	42	16	74
3911	16	<5	10	1.4	8	17	2	13	12	6

093 986

DWG (3)

METRES
0 200 400 600 800 1000

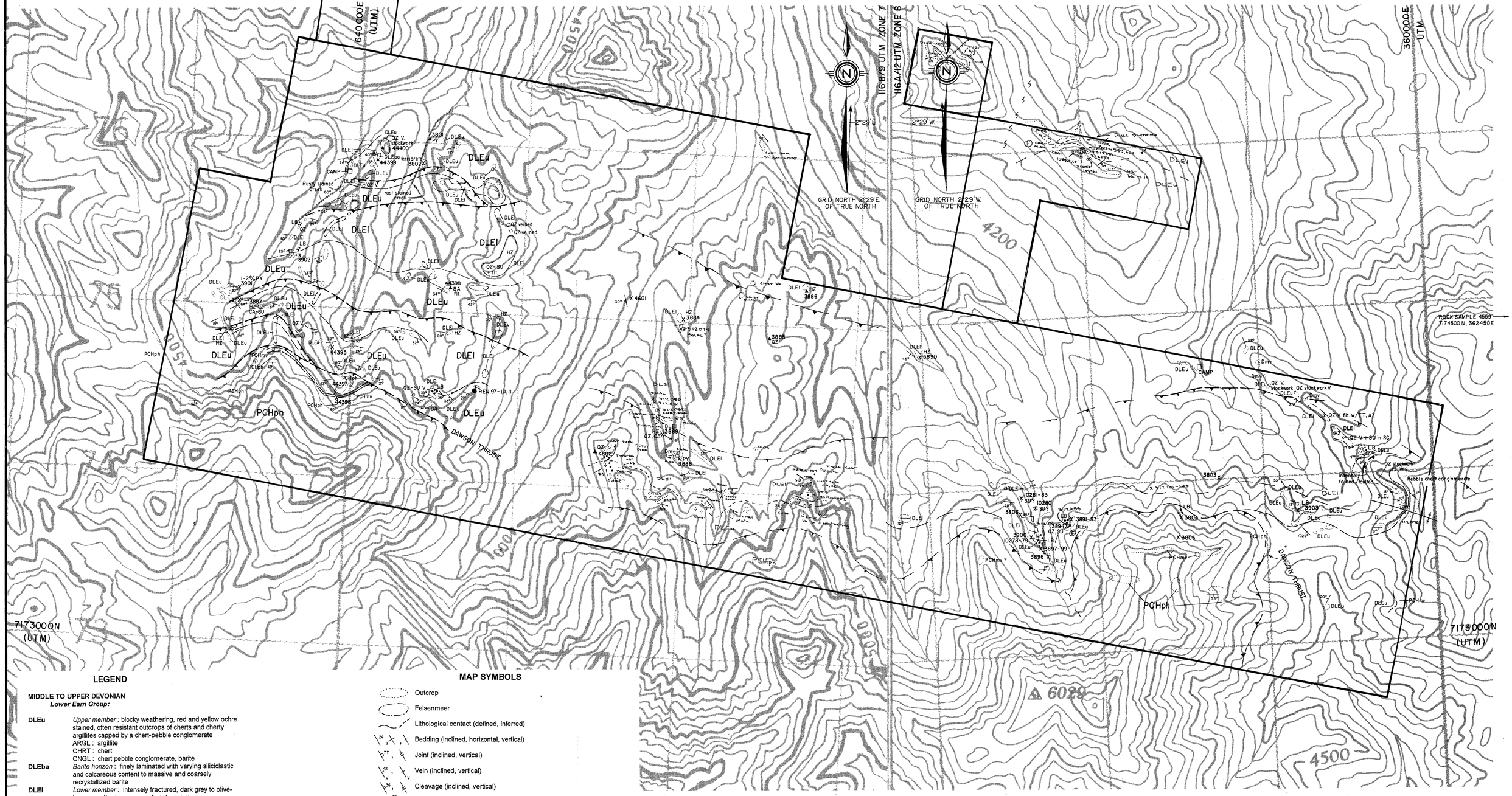
BLACKSTONE RESOURCES INC.

REIN PROPERTY
WEST SHEET
GEOLOGY & GEOCHEMISTRY

EQUITY

Date	DEC. 1998	Scale	1:10,000
U.T.M. Zone	7,8 (NAD 27)	Mining District	MAYO
N.T.S.	116 B/9	State/Province	YUKON

FIGURE 4



LEGEND

MIDDLE TO UPPER DEVONIAN
Lower Earn Group:

DLEu — *Upper member :* blocky weathering, red and yellow ochre stained, often resistant outcrops of cherts and cherty argillites capped by a chert-pebble conglomerate
ARGL : argillite
CHRT : chert
CNGL : chert pebble conglomerate, barite

DLEba — *Barite horizon :* finely laminated with varying siliciclastic and calcareous content to massive and coarsely recrystallized barite

DLEl — *Lower member :* intensely fractured, dark grey to olive-brown weathering, commonly calcareous, carbonaceous, abundant hydrozincite, calcite or gypsum on fractures, recessive outcrops of calcareous black shale and siltstone with interbedded limestone and chert, chert - shale rhythmite; commonly contains limestone balls (**LB**) with lesser chert (**CB**) and barite (**BB**) balls.
ARGL : argillite
LMST : limestone
SHAL : black shale
SLTS : siltstone
CHRT/SHAL : interbedded chert - shale rhythmite

Dmv — Mafic volcanic flow
DIOR : diorite

ORDOVICIAN TO SILURIAN
Road River Group:

ORsh — recessive, papery-thin, dark grey to black carbonaceous and calcareous black shales with abundant graptolites
SHAL : black shale

Ordl — DLMT : dolomite

CAMBRIAN(?) TO SILURIAN

csDL — grey, massive to thick-bedded dolomite, fine to coarsely crystalline, commonly silicified and porous
DLMT : dolomite

UPPER PROTEROZOIC AND LOWER CAMBRIAN
Hyland Group

PCHph — Laminated phyllitic siltstone and shale
PCHmv — Mafic volcanic flow

Mapping includes 1994 mapping (Baknes, 1994), and 1996 mapping (Caulfield, 1996).

MAP SYMBOLS

- Outcrop
- Felsenmeer
- Lithological contact (defined, inferred)
- Bedding (inclined, horizontal, vertical)
- Joint (inclined, vertical)
- Vein (inclined, vertical)
- Cleavage (inclined, vertical)
- Fault (slickensides)
- Thrust fault
- Minor fold (showing plunge direction)
- Anticline, syncline
- Trench
- Diamond drill hole
- Rock Sample (float, grab)
- Soil sample (grab, grid)
- Fossil locality (graptolites, tentaculites)
- Limestone balls, chert balls, barite balls

MODIFIERS

/	interbedded	ar	argillaceous	ba	baritic
bk	black	ca	calcareous	cr	carbonaceous
ch	cherty	fe	ferricrete	fs	fossiliferous
gr	graphitic	gs	gossan	lt	light
lm	limy	mx	massive	ph	phyllitic
		si	siliceous		

MINERALIZATION

AN - annabergite	AR - aragonite	AZ - azurite
BA - barite	CA - calcite	GL - galena
HZ - hydrozincite	PB - pyrobitumen	QZ - quartz
SP - sphalerite	SU - sulvanite	TT - tetrahedrite
PY - pyrite	VB - volborthite	VS - vaesite

1995 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
4559	<2	<5	<2	40.2	<2	81	<1	53	2	52
4601	<2	<5	8	1.4	1.4	34	26	37	10	116
4602	<2	<5	<2	0.2	0.2	322	48	522	4	4230

1998 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	As (ppm)	Ba (%)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
108961	<5	-	-	2	0.04	37	<1	17	8	30
108962	15	-	-	<2	0.05	157	4	30	10	100
108963	<5	-	-	6	0.08	28	1	19	6	66
108984	10	-	-	54	1.28	70	41	107	16	1480
312051	<5	-	-	22	0.12	108	5	62	6	130
312052	<5	-	-	2	0.12	59	<1	17	6	58
312053	10	-	-	8	0.08	172	10	37	10	234
312072	<5	-	-	28	0.28	28	42	27	8	32
312079	10	-	-	64	0.2	126	85	243	<2	4340
312080	<5	-	-	148	0.21	157	182	370	8	2110
312081	5	-	-	46	0.19	56	30	79	10	488
312082	10	-	-	460	0.14	211	248	397	6	2920
312083	<5	-	-	18	0.36	20	21	25	12	214
312099	<5	-	-	46	0.59	48	24	11	20	58
312100	<5	-	-	14	30.8	34	36	175	22	1640
312101	<5	-	-	10	42.3	28	11	57	<2	270
312102	<5	-	-	10	0.74	85	20	31	6	196
312103	10	-	-	22	4.44	52	29	24	2	62
524599	<5	-	-	10	0.1	53	8	57	16	90
524600	<5	-	-	14	0.06	53	9	33	4	86

1996 Rock Sample Analyses

Sample Number	Au (ppb)	Pt (ppb)	Pd (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
3801	8	<5	4	0.2	28	47	44	173	12	2040
3802	4	<5	<2	<0.2	14	94	1	75	<2	52
3803	10	<5	4	1.0	36	463	105	365	2	3310
3804	2	<5	2	0.2	22	42	3	20	20	82
3805	2	<5	2	<0.2	30	61	3	115	20	214
3806	<4	<10	8	1.4	50	86	64	133	22	920
3884	<2	<5	4	1.2	28	97	32	85	2	2130
3885	<2	<5	<2	<0.2	2	15	1	38	<2	64
3886	<2	<5	2	22.5	76	410	13	79	<2	1970
3887	<2	<5	2	0.8	20	4330	27	92	2	2370
3888	<2	<5	<2	<0.2	20	55	<1	53	<2	86
3889	2	<5	2	1.4	28	64	23	81	<2	1985
3890	2	<5	4	1.8	40	62	39	112	2	1880
3891	2	<5	2	0.2	28	78	79	123	4	454
3892	2	<5	2	<0.2	72	270	233	1140	2	4690
3893	2	<5	2	0.2	20	48	57	191	6	480
3894	<2	<5	<2	<0.2	8	338	17	50	<2	276
3895	2	<5	6	1.2	20	51	22	28	2	102
3896	<2	<5	<2	0.4	12	170	12	61	<2	392
3897	4	<5	8	1.6	26	28	37	43	4	186
3898	4	<5	6	1.0	20	124	22	80	2	454
3899	4	<5	6	1.4	28	57	28	47	2	250
3900	4	<5	8	1.8	34	106	45	107	6	656
3901	2	<5	4	0.2	10	15	28	42	6	108
3902	2	<5	2	0.6	22	47	56	264	4	376
3903	<2	<5	2	0.2	10	25	34	25	6	44
10278	2	<5	4	0.8	24	139	23	387	<2	2840
10279	8	10	10	1.8	58	167	53	758	4	510
10280	<2	<5	4	0.6	24	128	32	83	6	1140
10281	<2	<5	2	<0.2	6	36	<1	38	<2	230
10282	<2	<5	4	<0.2	18	112	1	54	2	492
10283	<2	<5	6	0.2	10	427	8	359	<2	4340
44395	2	<5	2	<0.2	8	20	26	23	2	108
44396	<2	<5	2	<0.2	48	93	<1	422	<2	80
44397	2	<5	2	<0.2	20	48	<1	27	14	90
44398	4	<5	4	0.4	26	162	31	323	<2	1330
44399	<2	<5	<2	<0.2	<2	6	1	1	<2	6
44400	<2	<5	2	0.2	6	15	19	20	2	42

1998 Soil Sample Analyses

Sample Number	Au (ppb)	As (ppm)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
TBS-41	<5	108	3400	149	137	181	20	630
TBS-42	<5	58	4600	228	209	859	16	4360
TBS-43	<5	64	5800	205	144	811	14	1960
TBS-44	<5	48	6600	133	122	486	10	1785
TB-S66	<5	40	2440	75	82	413	14	1270
TB-S67	<5	20	880	23	23	64	14	208
TB-S68	<5	36	3160	73	57	283	12	798
TB-S69	<5	96	9000	111	161	118	22	590
TB-S70	<5	80	9600	55	163	92	22	344
98MJS-052	<5	56	2320	124	100	130	28	306
98MJS-053	<5	48	2200	69	126	382	16	830
98MJS-054	10	178	6200	451	211	1010	26	1.79%
98MJS-055	10	176	7600	373	190	1156	28	2.52%
98MJS-056	<5	78	>10000	134	76	326	16	3790
98MJS-057	10	120	8000	253	104	541	20	5910

093986
DWG 4

METRES
0 200 400 600 800 1000

BLACKSTONE RESOURCES INC.

REIN PROPERTY
EAST SHEET
GEOLOGY & GEOCHEMISTRY

EQUITY

Date: DEC. 1998	Scale: 1:10,000	FIGURE
U.T.M. Zone 7,8(NAD 27)	Mining District: MAYO	5
N.T.S. 116 B/9 , A/12	State/Province: YUKON	

636 000 mE

718 0 000 mN

TRUE NORTH

LEGEND

MIDDLE TO UPPER DEVONIAN
Lower Earn Group:

DLEu *Upper member :* blocky weathering, red and yellow ochre stained, often resistant outcrops of cherts and cherty argillites capped by a chert-pebble conglomerate
ARGL : argillite
CHRT : chert
CNGL : chert pebble conglomerate, barite

DLEba *Barite horizon* : finely laminated with varying siliciclastic and calcareous content to massive and coarsely recrystallized barite

DLEl *Lower member :* intensely fractured, dark grey to olive-brown weathering, commonly calcareous, carbonaceous, abundant hydrozincite, calcite or gypsum on fractures, recessive outcrops of calcareous black shale and siltstone with interbedded limestone and chert, chert - shale rhythmite; commonly contains limestone balls (**LB**) with lesser chert (**CB**) and barite (**BB**) balls.
ARGL : argillite
LMST : limestone
SHAL : black shale
SLTS : siltstone
CHRT/SHAL : interbedded chert - shale rhythmite

Dmv Mafic volcanic flow
DIOR : diorite

ORDOVICIAN TO SILURIAN
Road River Group:

ORsh recessive, papery-thin, dark grey to black carbonaceous and calcareous black shales with abundant graptolites
SHAL : black shale

Ordl DLMT : dolomite

CAMBRIAN(?) TO SILURIAN

csDL grey, massive to thick-bedded dolomite, fine to coarsely crystalline, commonly silicified and porous
DLMT : dolomite

UPPER PROTEROZOIC AND LOWER CAMBRIAN
Hyland Group

PCHph Laminated phyllitic siltstone and shale
PCHmv Mafic volcanic flow

MAP SYMBOLS

- Outcrop
- x Small Outcrop
- Felsenmeer
- Lithological contact (defined, inferred)
- Bedding (inclined, horizontal, vertical)
- Joint (inclined, vertical)
- Vein (inclined, vertical)
- Cleavage (inclined, vertical)
- Fault (slickensides)
- Thrust fault
- Minor fold (showing plunge direction)
- Anticline, syncline
- Trench
- Diamond drill hole
- Rock Sample (float, grab)
- Soil sample (grab, grid)
- (F) Fossil locality (graptolites, tentaculites)
- LB Limestone balls, chert balls, barite balls

MODIFIERS

/	interbedded	ar	argillaceous	ba	baritic
bk	black	ca	calcareous	cr	carbonaceous
ch	cherty	fe	ferricrete	fs	fossiliferous
gr	graphitic	gs	gossan	lt	light
lm	limy	mx	massive	ph	phyllitic
		si	siliceous		

MINERALIZATION

AN - annabergite	AR - aragonite	AZ - azurite
BA - barite	CA - calcite	GL - galena
HZ - hydrozincite	PB - pyrobitumen	QZ - quartz
SP - sphalerite	SU - sulvanite	TT - tetrahedrite
PY - pyrite	VB - volborthite	VS - vaesite

1998 Rock Sample Analyses

Sample Number	Au (ppb)	As (ppm)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
312001	<5	10	2100	25	9	16	<2	14
312002	<5	16	19400	39	27	51	<2	156
312003	<5	16	6000	51	31	45	2	184
312004	<5	12	11400	22	21	27	<2	64
312005	<5	10	6500	28	18	31	8	86
312006	<5	4	192500	73	9	147	<2	936
312010	<5	46	3100	42	19	25	10	208
312011	<5	16	3100	101	20	85	4	1005
312012	<5	152	172500	47	27	315	<2	2420
312013	<5	12	104000	116	26	162	4	1260
312014	<5	612	128500	120	19	110	<2	518
312015	10	24	2700	77	28	87	4	976
312016	<5	12	7500	226	18	91	<2	2190
312017	10	48	118500	207	80	126	4	434
312018	5	10	12700	12	15	22	2	32
312019	<5	<2	529000	46	3	13	<2	508
312021	<5	30	5900	93	45	210	<2	532
312022	<5	8	4900	16	21	33	2	210
312023	<5	34	1100	49	36	105	<2	2750
312024	<5	24	2100	2.53%	28	83	2	1220
312025	<5	18	7200	53	34	23	<2	62
312026	<5	30	1700	57	74	153	<2	354
312027	<5	<2	1100	36	3	25	<2	62

093986

Dwg (5)

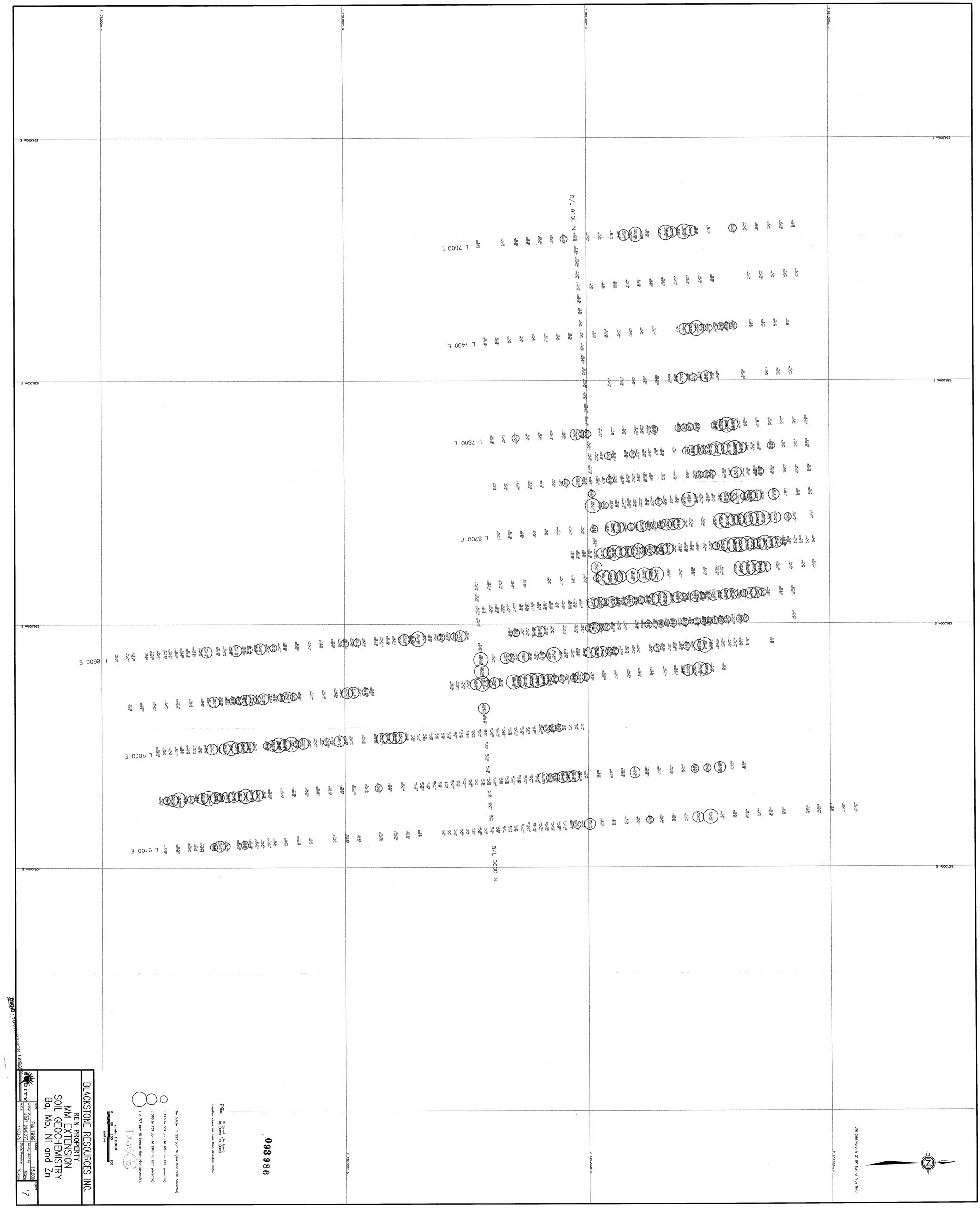
METRES
0 100 200 300 400 500

BLACKSTONE RESOURCES INC.

REIN PROPERTY
GEOLOGY & GEOCHEMISTRY
MM GRID EXTENSION

EQUITY

Date DEC. 1998	Scale 1:5000	FIGURE
U.T.M. Zone 7	Mining District MAYO	6
N.T.S. 116 B/9	State/Province YUKON	



BLACKSTONE RESOURCES INC.

REIN PROPERTY
MM EXTENSION
SOIL GEOCHEMISTRY
Ba, Mo, Ni and Zn

date	Feb. 1998	scale	1:5,000
UTM Zone	07W (NAD27)	drawn	Mono
file #	1158-9	checked	Mono

figure 7

64° 45' N.

139° 45' W

LOMOND CREEK

4000

5000

5500

6000

REIN

RC

GD

DH

MC

NP

093386

Dwg ②

BLACKSTONE RESOURCES INC.

REIN PROPERTY
CLAIM MAP

EQUITY	Date. DEC. 1998	Scale. 1:31,680	FIGURE. 2
	U.T.M. Zone. 7,8	Mining Dist. MAYO	
	N.T.S. 116A/12, 116B/9	State/Prov. YUKON	

APPENDIX G

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

A9821728

Comments: ATTN:STEWART HARRIS

CERTIFICATE A9821728

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	182	Dry, sieve to -80 mesh
202	182	save reject
229	182	ICP - AQ Digestion charge
232	181	Perchloric-nitric-HF digestion

* 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	179	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
866	179	Fusion weight in grams	BALANCE	0.01	30.00
2118	182	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	182	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	182	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	182	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	182	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	182	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	182	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	182	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	182	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	182	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	182	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	182	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	182	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	182	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	182	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	182	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	182	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	182	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	182	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	182	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	182	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	182	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	182	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	182	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	182	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	182	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	182	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	182	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	182	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	182	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	182	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	182	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	182	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number :1-A
Total Pages :5
Certificate Date: 26-JUN-98
Invoice No. :19821728
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9821728

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	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 %
BL9100N 7050E	201	202	< 5	30.00	1.0	0.64	46	260	< 0.5	2	0.26	3.5	3	36	48	3.65	< 10	< 1	0.32	20	0.08
BL9100N 7100E	201	202	< 5	30.00	0.6	1.49	40	1000	0.5	< 2	0.09	6.5	9	32	75	2.54	< 10	< 1	0.14	20	0.31
BL9100N 7150E	201	202	< 5	10.00	0.8	0.75	16	970	< 0.5	< 2	0.06	2.5	3	18	31	1.31	< 10	< 1	0.12	10	0.07
BL9100N 7250E	201	202	< 5	30.00	1.0	1.04	42	470	< 0.5	< 2	0.14	3.0	2	38	53	2.59	< 10	< 1	0.16	10	0.21
BL9100N 7300E	201	202	< 5	30.00	0.6	0.74	8	150	< 0.5	< 2	0.04	0.5	2	15	10	1.69	< 10	< 1	0.06	10	0.08
BL9100N 7350E	201	202	< 5	30.00	< 0.2	1.03	20	170	< 0.5	< 2	0.05	< 0.5	4	22	14	3.02	< 10	< 1	0.07	10	0.18
BL9100N 7400E	201	202	< 5	10.00	0.4	1.25	18	430	< 0.5	< 2	0.06	1.5	3	25	47	2.42	< 10	< 1	0.13	10	0.20
BL9100N 7450E	201	202	< 10	5.00	0.2	1.03	20	200	< 0.5	< 2	0.04	< 0.5	3	24	19	2.13	< 10	< 1	0.07	10	0.12
BL9100N 7500E	201	202	< 5	30.00	0.6	1.52	32	1830	0.5	< 2	0.27	5.0	5	37	66	2.31	< 10	< 1	0.10	10	0.47
BL9100N 7550E	201	202	< 5	15.00	0.8	0.77	18	820	< 0.5	2	0.11	2.5	1	36	47	1.47	< 10	< 1	0.14	20	0.07
BL9100N 7600E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BL9100N 7650E	201	202	< 5	10.00	1.4	1.02	20	410	< 0.5	< 2	0.40	10.5	8	31	57	1.81	< 10	< 1	0.11	10	0.21
BL9100N 7700E	201	202	< 5	30.00	0.6	1.67	40	510	< 0.5	< 2	0.03	2.0	3	39	66	2.37	< 10	< 1	0.17	10	0.39
BL9100N 7750E	201	202	< 5	30.00	1.4	2.09	52	450	0.5	< 2	0.07	4.5	5	47	115	3.12	< 10	< 1	0.30	10	1.43
BL9100N 7800E	201	202	< 5	30.00	0.8	1.65	42	780	0.5	< 2	0.25	36.0	10	37	104	2.78	< 10	< 1	0.19	10	0.93
BL9100N 7850E	201	202	< 5	30.00	0.8	0.57	38	420	< 0.5	< 2	0.03	1.0	1	25	43	2.44	< 10	< 1	0.21	10	0.07
BL9100N 7900E	201	202	< 5	30.00	0.8	2.25	24	240	< 0.5	< 2	0.07	0.5	5	36	33	3.96	< 10	< 1	0.07	10	0.30
L7000E 9150N	201	202	< 5	30.00	1.4	0.28	24	810	< 0.5	< 2	0.32	5.0	< 1	45	26	1.11	< 10	< 1	0.12	10	0.07
L7000E 9200N	201	202	< 5	15.00	0.8	0.64	32	310	< 0.5	< 2	0.47	3.5	< 1	35	49	3.11	< 10	< 1	0.09	10	0.07
L7000E 9250N	201	202	< 5	30.00	1.2	0.51	44	320	< 0.5	< 2	0.01	1.5	< 1	47	46	2.71	< 10	< 1	0.19	10	0.04
L7000E 9300N	201	202	< 5	30.00	2.2	1.92	52	340	1.0	< 2	5.93	43.0	38	51	152	6.28	< 10	< 1	0.13	< 10	1.09
L7000E 9350N	201	202	< 5	30.00	6.2	2.64	104	1130	2.0	< 2	1.73	59.0	39	221	215	4.47	< 10	< 1	0.19	30	0.75
L7000E 9400N	201	202	< 5	10.00	1.6	0.76	38	500	< 0.5	< 2	0.27	10.0	1	39	65	3.71	< 10	< 1	0.11	10	0.08
L7000E 9450N	201	202	< 5	15.00	2.0	0.68	34	370	< 0.5	< 2	1.58	11.5	3	52	82	1.83	< 10	< 1	0.12	10	0.15
L7000E 9500N	201	202	< 5	30.00	5.8	1.73	108	1170	1.5	< 2	3.69	60.5	14	182	180	1.97	< 10	< 1	0.19	20	1.44
L7000E 9550N	201	202	< 5	30.00	12.8	2.62	186	1100	2.0	< 2	1.72	172.5	15	326	474	4.28	< 10	< 1	0.35	40	0.43
L7000E 9600N	201	202	< 5	10.00	4.2	1.07	72	200	0.5	< 2	0.29	10.0	2	104	94	4.69	< 10	< 1	0.31	10	0.16
L7000E 9650N	201	202	< 5	10.00	1.4	0.73	6	290	< 0.5	< 2	0.41	3.0	1	22	39	1.05	< 10	< 1	0.06	< 10	0.05

CERTIFICATION: Ian Ritchie

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number : 1-B
Total Pages : 5
Certificate Date: 26-JUN-98
Invoice No. : I9821728
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9821728

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	Ba ppm
BL9100N 7050E	201	202	55	59	0.01	71	1910	10	2	2	207	0.01	< 10	< 10	436	< 10	260	6600
BL9100N 7100E	201	202	715	55	< 0.01	157	1180	10	6	7	121	0.04	< 10	10	482	< 10	708	>10000
BL9100N 7150E	201	202	50	33	< 0.01	42	1310	6	2	< 1	41	0.01	< 10	< 10	270	< 10	144	4000
BL9100N 7250E	201	202	70	40	0.01	44	1730	16	6	3	210	0.01	< 10	< 10	368	< 10	162	5600
BL9100N 7300E	201	202	65	29	< 0.01	8	370	6	2	1	18	0.06	< 10	< 10	277	< 10	36	920
BL9100N 7350E	201	202	130	20	< 0.01	15	380	4	< 2	2	26	0.07	< 10	< 10	227	< 10	54	960
BL9100N 7400E	201	202	80	39	0.01	24	1160	12	4	1	51	0.03	< 10	< 10	300	< 10	86	1120
BL9100N 7450E	201	202	80	26	< 0.01	14	680	10	< 2	1	28	0.05	< 10	< 10	339	< 10	66	1100
BL9100N 7500E	201	202	155	27	< 0.01	106	1170	8	2	4	97	0.03	< 10	< 10	465	< 10	434	5200
BL9100N 7550E	201	202	20	38	< 0.01	36	1220	8	6	1	104	0.03	< 10	< 10	450	< 10	94	5800
BL9100N 7600E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BL9100N 7650E	201	202	155	39	< 0.01	173	1580	4	4	3	100	0.01	< 10	< 10	426	< 10	442	7600
BL9100N 7700E	201	202	70	56	< 0.01	136	770	6	6	3	103	0.03	< 10	< 10	794	< 10	378	>10000
BL9100N 7750E	201	202	150	70	0.03	191	840	10	6	5	143	0.02	< 10	< 10	926	< 10	1160	2680
BL9100N 7800E	201	202	195	54	0.01	304	1180	6	4	5	206	0.01	< 10	< 10	622	< 10	1865	5800
BL9100N 7850E	201	202	25	56	0.01	34	510	12	4	3	142	0.01	< 10	< 10	319	< 10	102	5400
BL9100N 7900E	201	202	205	20	< 0.01	26	450	8	< 2	3	42	0.06	< 10	< 10	286	< 10	120	1240
L7000E 9150N	201	202	25	25	< 0.01	23	600	8	2	2	195	0.03	< 10	< 10	465	< 10	106	>10000
L7000E 9200N	201	202	15	19	< 0.01	17	1830	6	6	< 1	137	< 0.01	< 10	< 10	344	< 10	58	5600
L7000E 9250N	201	202	30	63	< 0.01	22	2080	8	4	1	134	< 0.01	< 10	10	451	< 10	70	>10000
L7000E 9300N	201	202	1405	12	< 0.01	605	2310	6	6	5	453	0.01	< 10	< 10	365	< 10	8620	>10000
L7000E 9350N	201	202	1010	129	< 0.01	1000	3400	4	10	11	259	0.14	< 10	40	4450	< 10	6760	8600
L7000E 9400N	201	202	95	25	< 0.01	53	1640	2	6	< 1	106	< 0.01	< 10	< 10	385	< 10	992	7000
L7000E 9450N	201	202	270	22	< 0.01	116	1740	8	4	1	354	0.01	< 10	< 10	676	< 10	952	>10000
L7000E 9500N	201	202	480	118	< 0.01	584	3550	6	20	8	560	0.11	< 10	20	3980	< 10	8730	8000
L7000E 9550N	201	202	390	213	< 0.01	991	4290	20	22	16	487	0.15	10	40	5460	< 10	>10000	>10000
L7000E 9600N	201	202	190	57	< 0.01	82	4850	10	8	4	399	0.04	< 10	10	883	< 10	482	8000
L7000E 9650N	201	202	35	10	< 0.01	32	1410	< 2	< 2	< 1	69	< 0.01	< 10	< 10	163	< 10	106	3000

CERTIFICATION: Stewart Harris

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.

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Project : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 26-JUN-98
Invoice No. :I9821728
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9821728

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
					ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
L7000E 9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000E 9750N	201	202	< 5	15.00	2.2	2.05	56	480	0.5	< 2	0.88	18.5	16	56	145	4.45	< 10	< 1	0.19	10	0.37
L7000E 9800N	201	202	< 5	30.00	2.0	1.78	58	560	0.5	< 2	0.33	14.0	10	42	118	3.89	< 10	< 1	0.28	10	0.14
L7000E 9850N	201	202	< 5	10.00	1.6	0.99	40	760	< 0.5	< 2	0.23	2.5	2	36	71	2.04	< 10	< 1	0.14	10	0.11
L7000E 9900N	201	202	< 5	30.00	1.4	0.63	44	570	< 0.5	< 2	0.01	1.0	< 1	28	44	2.69	< 10	< 1	0.19	< 10	0.05
L7000E 9950N	201	202	< 5	30.00	2.2	0.70	98	190	0.5	< 2	0.04	5.0	1	63	134	4.88	< 10	< 1	0.42	10	0.04
L7000E 10000N	201	202	< 5	15.00	1.0	0.70	10	1730	< 0.5	< 2	0.04	0.5	1	26	27	1.26	< 10	< 1	0.09	10	0.06
L7200E 9100N	201	202	< 5	30.00	0.6	1.11	34	1210	< 0.5	< 2	0.31	0.5	1	31	26	2.19	< 10	< 1	0.12	10	0.24
L7200E 9150N	201	202	< 5	15.00	0.2	0.96	10	260	< 0.5	< 2	0.04	0.5	1	18	13	1.80	< 10	< 1	0.05	10	0.12
L7200E 9200N	201	202	< 5	30.00	< 0.2	1.10	22	160	< 0.5	< 2	0.04	< 0.5	2	20	15	3.09	< 10	< 1	0.04	20	0.08
L7200E 9250N	201	202	< 5	15.00	0.2	1.14	10	210	< 0.5	< 2	0.07	< 0.5	3	26	16	2.09	< 10	< 1	0.07	10	0.19
L7200E 9300N	201	202	< 5	30.00	0.2	1.80	24	470	< 0.5	< 2	0.29	1.5	8	34	38	3.39	< 10	< 1	0.09	20	0.52
L7200E 9350N	201	202	< 5	30.00	< 0.2	2.21	12	280	< 0.5	< 2	0.16	< 0.5	8	31	33	2.65	< 10	< 1	0.10	10	0.43
L7200E 9400N	201	202	< 5	15.00	0.2	1.87	42	560	0.5	< 2	0.43	5.5	8	32	58	3.01	< 10	< 1	0.19	10	0.49
L7200E 9450N	201	202	< 5	30.00	1.0	1.66	28	1310	< 0.5	< 2	0.29	6.5	8	37	50	2.90	< 10	< 1	0.09	10	0.32
L7200E 9500N	201	202	< 5	30.00	0.8	1.76	10	2360	< 0.5	< 2	0.25	2.0	5	37	53	1.86	< 10	< 1	0.07	10	0.41
L7200E 9550N	201	202	< 5	15.00	2.4	0.92	74	1550	< 0.5	< 2	0.10	19.0	3	76	66	1.90	< 10	< 1	0.08	10	0.19
L7200E 9600N	201	202	< 5	15.00	4.4	0.73	20	600	< 0.5	< 2	0.42	14.5	3	51	43	1.02	< 10	< 1	0.06	< 10	0.22
L7200E 9650N	201	202	< 5	15.00	3.6	0.75	38	980	< 0.5	< 2	0.41	18.0	3	37	51	1.38	< 10	< 1	0.06	< 10	0.14
L7200E 9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7200E 9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7200E 9800N	201	202	< 5	10.00	0.6	0.91	8	530	< 0.5	< 2	0.16	1.0	2	20	26	2.08	< 10	< 1	0.05	< 10	0.19
L7200E 9850N	201	202	< 5	30.00	1.0	1.88	64	1900	0.5	< 2	0.61	7.0	16	42	114	8.24	< 10	< 1	0.09	10	0.22
L7200E 9900N	201	202	< 5	30.00	1.0	0.68	52	440	< 0.5	< 2	< 0.01	< 0.5	< 1	13	11	4.06	< 10	< 1	0.20	10	0.03
L7200E 9950N	201	202	< 5	30.00	1.0	0.19	8	280	< 0.5	< 2	< 0.01	< 0.5	< 1	7	23	1.64	< 10	< 1	0.20	10	0.01
L7200E 10000N	201	202	< 5	30.00	1.0	0.31	40	470	< 0.5	< 2	0.09	< 0.5	1	12	30	2.80	< 10	< 1	0.16	< 10	0.03
L7400E 8700N	201	202	< 5	30.00	0.2	1.23	42	830	< 0.5	< 2	0.05	0.5	3	29	36	2.46	< 10	< 1	0.08	10	0.17
L7400E 8750N	201	202	< 5	30.00	0.2	1.79	28	680	< 0.5	< 2	0.04	0.5	5	34	32	3.68	< 10	< 1	0.09	10	0.25
L7400E 8800N	201	202	< 5	15.00	0.2	1.10	12	270	< 0.5	< 2	0.02	< 0.5	2	20	19	1.76	< 10	< 1	0.04	10	0.07
L7400E 8850N	201	202	< 5	10.00	0.4	0.40	< 2	360	< 0.5	< 2	0.09	< 0.5	1	9	12	0.56	< 10	< 1	0.07	< 10	0.04
L7400E 8900N	201	202	< 5	30.00	1.0	1.68	36	900	< 0.5	< 2	0.04	1.5	3	49	85	3.59	< 10	< 1	0.15	10	0.19
L7400E 8950N	201	202	< 5	30.00	1.2	1.18	58	610	0.5	< 2	0.04	2.0	1	53	116	3.61	< 10	< 1	0.22	10	0.19
L7400E 9000N	201	202	< 5	30.00	0.6	1.68	26	510	< 0.5	< 2	0.04	1.5	5	32	56	3.57	< 10	< 1	0.14	10	0.31
L7400E 9050N	201	202	< 5	30.00	< 0.2	1.60	16	330	< 0.5	< 2	0.11	1.0	5	29	41	2.81	< 10	< 1	0.07	< 10	0.35
L7400E 9100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9150N	201	202	< 5	15.00	0.6	0.49	< 2	160	< 0.5	< 2	0.08	5.5	< 1	9	10	0.74	< 10	< 1	0.05	< 10	0.04
L7400E 9200N	201	202	< 5	15.00	0.6	0.67	22	860	< 0.5	< 2	0.14	10.5	3	14	29	1.78	< 10	< 1	0.10	< 10	0.15
L7400E 9250N	201	202	< 5	30.00	0.2	1.18	34	1060	< 0.5	< 2	0.04	1.0	4	23	26	2.51	< 10	< 1	0.07	10	0.18
L7400E 9300N	201	202	< 5	30.00	0.2	1.01	20	650	< 0.5	< 2	0.07	1.0	5	18	26	1.92	< 10	< 1	0.06	10	0.25
L7400E 9350N	201	202	< 5	30.00	0.2	1.30	20	410	< 0.5	< 2	0.12	0.5	3	22	18	2.01	< 10	< 1	0.05	10	0.34

CERTIFICATION: Stewart Riddle

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 26-JUN-98
Invoice No. : I9821728
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9821728

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	Ba ppm
L7000E 9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000E 9750N	201	202	585	40	< 0.01	252	2730	30	8	5	297	0.01	< 10	< 10	436	< 10	2250	>10000
L7000E 9800N	201	202	790	16	< 0.01	132	2210	12	8	5	144	0.01	< 10	< 10	245	< 10	952	9800
L7000E 9850N	201	202	100	23	< 0.01	32	1690	10	2	1	274	0.01	< 10	< 10	235	< 10	184	5800
L7000E 9900N	201	202	30	26	< 0.01	9	1120	14	8	1	271	0.01	< 10	< 10	230	< 10	46	5300
L7000E 9950N	201	202	70	53	0.01	47	3850	16	14	6	747	< 0.01	< 10	30	422	< 10	256	6400
L7000E 10000N	201	202	35	16	< 0.01	15	1170	10	< 2	< 1	113	< 0.01	< 10	< 10	217	< 10	66	7000
L7200E 9100N	201	202	105	35	< 0.01	27	1050	16	6	3	176	0.01	< 10	< 10	341	< 10	130	3700
L7200E 9150N	201	202	65	30	< 0.01	14	400	12	2	1	50	0.02	< 10	< 10	332	< 10	68	1340
L7200E 9200N	201	202	85	38	< 0.01	14	320	10	6	1	16	0.09	< 10	< 10	338	< 10	62	1000
L7200E 9250N	201	202	125	20	< 0.01	17	650	8	2	1	29	0.05	< 10	< 10	220	< 10	68	1180
L7200E 9300N	201	202	145	18	< 0.01	41	910	8	2	5	47	0.07	< 10	< 10	190	< 10	164	1480
L7200E 9350N	201	202	265	18	< 0.01	29	520	8	< 2	4	31	0.07	< 10	< 10	145	< 10	100	1480
L7200E 9400N	201	202	470	37	0.01	99	1220	16	6	3	116	0.04	< 10	< 10	392	< 10	408	1380
L7200E 9450N	201	202	745	20	< 0.01	45	1240	10	2	3	106	0.03	< 10	< 10	247	< 10	340	4600
L7200E 9500N	201	202	110	10	< 0.01	37	950	10	2	4	88	0.05	< 10	< 10	202	< 10	166	4700
L7200E 9550N	201	202	80	52	< 0.01	93	1420	14	12	< 1	52	< 0.01	< 10	< 10	1650	< 10	782	6200
L7200E 9600N	201	202	75	13	< 0.01	46	1310	8	6	1	68	0.01	< 10	< 10	760	< 10	778	1840
L7200E 9650N	201	202	75	27	< 0.01	95	1580	6	8	3	100	0.01	< 10	< 10	475	< 10	986	4000
L7200E 9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7200E 9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7200E 9800N	201	202	55	11	< 0.01	17	1130	10	< 2	< 1	73	< 0.01	< 10	< 10	99	< 10	74	1800
L7200E 9850N	201	202	2460	42	< 0.01	147	1520	20	4	12	130	< 0.01	< 10	< 10	330	< 10	760	4600
L7200E 9900N	201	202	20	54	< 0.01	6	830	14	4	1	39	0.01	< 10	< 10	233	< 10	24	1880
L7200E 9950N	201	202	15	20	< 0.01	11	160	14	4	1	21	< 0.01	< 10	< 10	97	< 10	38	3000
L7200E 10000N	201	202	60	31	< 0.01	18	960	12	8	1	69	< 0.01	< 10	< 10	131	< 10	100	2200
L7400E 8700N	201	202	90	34	< 0.01	32	820	10	4	1	113	0.03	< 10	< 10	358	< 10	138	2640
L7400E 8750N	201	202	190	39	< 0.01	30	630	12	4	3	55	0.04	< 10	< 10	605	< 10	124	1600
L7400E 8800N	201	202	55	15	< 0.01	13	630	6	< 2	< 1	25	0.01	< 10	< 10	194	< 10	58	1200
L7400E 8850N	201	202	70	8	< 0.01	10	1090	2	2	< 1	24	< 0.01	< 10	< 10	90	< 10	68	960
L7400E 8900N	201	202	130	55	0.01	28	1170	16	8	3	201	0.03	< 10	< 10	496	< 10	82	2080
L7400E 8950N	201	202	80	75	0.01	31	2180	20	10	2	252	0.01	< 10	< 10	634	< 10	118	3400
L7400E 9000N	201	202	130	50	0.01	27	800	12	2	3	84	0.04	< 10	< 10	274	< 10	88	1560
L7400E 9050N	201	202	190	26	< 0.01	35	730	8	2	3	52	0.03	< 10	< 10	164	< 10	114	1440
L7400E 9100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9150N	201	202	55	7	< 0.01	8	1120	2	< 2	< 1	13	< 0.01	< 10	< 10	45	< 10	54	740
L7400E 9200N	201	202	65	37	< 0.01	63	1160	10	4	1	70	< 0.01	< 10	< 10	281	< 10	280	2440
L7400E 9250N	201	202	155	39	< 0.01	37	700	12	< 2	1	56	0.02	< 10	< 10	274	< 10	186	5200
L7400E 9300N	201	202	225	35	< 0.01	23	460	8	2	1	36	0.02	< 10	< 10	126	< 10	104	3560
L7400E 9350N	201	202	110	28	< 0.01	22	590	10	2	2	37	0.03	< 10	< 10	171	< 10	84	1880

CERTIFICATION: Stewart Bielle

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 26-JUN-98
Invoice No. :I9821728
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9821728

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	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 %
L7400E 9400N	201	202	< 5	30.00	0.4	1.35	6	840	< 0.5	< 2	0.36	0.5	4	22	15	1.36	< 10	< 1	0.06	10	0.43
L7400E 9450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9500N	201	202	< 5	30.00	0.4	1.29	8	500	< 0.5	< 2	0.19	0.5	1	24	21	1.50	< 10	< 1	0.04	10	0.31
L7400E 9550N	201	202	< 5	15.00	3.6	1.16	54	970	0.5	< 2	2.28	38.0	17	86	99	1.89	< 10	< 1	0.13	20	0.62
L7400E 9600N	201	202	< 5	30.00	3.8	0.89	60	820	0.5	< 2	2.89	63.0	9	125	263	1.52	< 10	< 1	0.12	10	0.74
L7400E 9650N	201	202	< 5	30.00	1.6	0.53	18	750	0.5	< 2	2.48	12.0	5	45	55	0.95	< 10	< 1	0.08	10	0.33
L7400E 9700N	201	202	< 5	30.00	3.6	0.94	40	1180	0.5	< 2	2.01	16.5	6	123	85	1.43	< 10	< 1	0.09	10	0.58
L7400E 9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9800N	201	202	< 5	30.00	3.2	0.74	56	540	< 0.5	< 2	0.06	2.0	< 1	47	91	2.94	< 10	< 1	0.17	10	0.07
L7400E 9850N	201	202	< 5	30.00	2.2	0.28	16	600	< 0.5	< 2	0.01	1.5	< 1	16	49	1.31	< 10	< 1	0.15	10	0.01
L7400E 9900N	201	202	< 5	30.00	2.2	0.17	28	560	< 0.5	< 2	< 0.01	< 0.5	< 1	11	29	1.32	< 10	< 1	0.16	< 10	< 0.01
L7400E 9950N	201	202	< 5	30.00	2.4	0.34	68	340	< 0.5	< 2	0.18	0.5	< 1	38	138	2.81	< 10	< 1	0.33	< 10	0.03
L7400E 10000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 8700N	201	202	< 5	30.00	0.8	1.04	30	320	< 0.5	< 2	0.01	0.5	1	19	29	2.92	< 10	< 1	0.06	10	0.06
L7800E 8750N	201	202	< 5	30.00	0.2	1.98	66	590	< 0.5	< 2	0.04	2.0	8	42	63	4.34	< 10	< 1	0.22	10	0.36
L7800E 8800N	201	202	< 5	30.00	0.8	1.61	52	2680	0.5	< 2	0.87	22.0	11	33	53	3.23	< 10	< 1	0.09	20	0.35
L7800E 8850N	201	202	not/ss	not/ss	0.6	0.68	< 2	910	< 0.5	< 2	0.39	3.0	1	7	32	0.58	< 10	< 1	0.05	< 10	0.03
L7800E 8900N	201	202	< 5	15.00	0.8	0.64	< 2	710	< 0.5	< 2	0.19	2.5	1	15	27	0.84	< 10	< 1	0.06	< 10	0.05
L7800E 8950N	201	202	< 5	10.00	1.2	0.80	< 2	340	< 0.5	< 2	0.63	7.5	1	16	51	1.12	< 10	< 1	0.03	< 10	0.06
L7800E 9000N	201	202	< 5	30.00	0.8	1.52	58	890	< 0.5	< 2	0.03	2.5	5	44	71	3.92	< 10	< 1	0.19	10	0.36
L7800E 9050N	201	202	5	30.00	0.8	2.47	68	890	0.5	< 2	0.28	54.0	21	50	134	4.98	< 10	< 1	0.15	10	2.12
L7800E 9150N	201	202	< 5	10.00	0.8	1.84	58	850	< 0.5	< 2	0.06	2.5	3	33	98	2.95	< 10	< 1	0.14	10	0.22
L7800E 9200N	201	202	< 5	30.00	0.2	1.50	16	240	< 0.5	< 2	0.03	< 0.5	4	21	18	2.40	< 10	< 1	0.03	< 10	0.15
L7800E 9250N	201	202	< 5	10.00	0.6	1.55	44	530	< 0.5	< 2	0.07	1.0	7	28	39	3.34	< 10	< 1	0.09	< 10	0.30
L7800E 9300N	201	202	< 5	30.00	0.8	0.53	32	670	< 0.5	< 2	0.08	6.0	6	14	50	1.74	< 10	< 1	0.09	< 10	0.30
L7800E 9350N	201	202	< 5	30.00	1.4	0.91	50	650	< 0.5	< 2	0.24	12.5	9	33	68	2.47	< 10	< 1	0.13	10	0.31
L7800E 9400N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9500N	201	202	< 5	30.00	0.6	0.88	42	2340	0.5	< 2	0.13	16.0	8	50	51	1.89	< 10	< 1	0.06	10	0.13
L7800E 9525N	201	202	< 5	30.00	0.8	1.16	34	2230	0.5	< 2	0.13	8.5	12	47	52	1.85	< 10	< 1	0.06	20	0.25
L7800E 9550N	201	202	< 5	30.00	2.2	1.70	60	3460	0.5	< 2	0.31	28.0	12	105	102	2.51	< 10	< 1	0.11	20	0.47
L7800E 9600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9650N	201	202	< 5	15.00	9.6	1.21	106	1670	0.5	< 2	0.65	55.0	14	188	174	2.30	< 10	< 1	0.19	30	0.77
L7800E 9700N	201	202	5	30.00	12.0	1.58	242	2050	1.0	< 2	7.26	179.0	12	281	626	2.12	< 10	< 1	0.21	20	2.61
L7800E 9725N	201	202	< 5	30.00	2.2	0.75	44	400	0.5	< 2	0.61	6.5	< 1	52	91	2.01	< 10	< 1	0.13	10	0.10
L7800E 9750N	201	202	< 5	15.00	4.0	1.13	312	150	< 0.5	< 2	0.09	3.0	< 1	103	97	6.70	< 10	< 1	0.37	10	0.05
L7800E 9800N	201	202	10	10.00	4.8	0.84	118	130	< 0.5	< 2	0.09	2.5	< 1	62	85	7.15	< 10	< 1	0.41	30	0.07
L7800E 9850N	201	202	10	30.00	2.8	0.52	42	370	< 0.5	< 2	0.05	< 0.5	< 1	23	38	2.62	< 10	< 1	0.19	10	0.02
L7800E 9900N	201	202	10	30.00	3.4	0.21	88	150	< 0.5	< 2	< 0.01	2.5	< 1	35	42	3.39	< 10	< 1	0.40	< 10	0.04
L7800E 9950N	201	202	< 5	30.00	4.4	0.14	250	50	< 0.5	6	< 0.01	6.0	< 1	35	28	>15.00	< 10	< 1	1.90	< 10	0.01

CERTIFICATION: Ian Ritchie +

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 26-JUN-98
Invoice No. : I9821728
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9821728

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	Ba ppm
L7400E 9400N	201	202	75	11	< 0.01	33	530	10	< 2	2	75	0.02	< 10	< 10	87	< 10	100	2040
L7400E 9450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9500N	201	202	70	11	< 0.01	17	520	8	< 2	2	42	0.03	< 10	< 10	105	< 10	74	1760
L7400E 9550N	201	202	420	49	< 0.01	370	3380	10	8	4	327	0.03	< 10	10	1500	< 10	3770	5600
L7400E 9600N	201	202	250	46	< 0.01	332	1800	8	8	4	511	0.03	< 10	10	1560	< 10	4740	4800
L7400E 9650N	201	202	150	29	< 0.01	188	1080	2	6	1	355	0.01	< 10	10	646	< 10	1050	3600
L7400E 9700N	201	202	110	29	< 0.01	226	2050	8	8	5	357	0.01	< 10	< 10	1345	< 10	2100	7900
L7400E 9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7400E 9800N	201	202	25	43	< 0.01	15	2970	16	4	5	490	< 0.01	< 10	10	211	< 10	84	3400
L7400E 9850N	201	202	< 5	39	< 0.01	8	890	16	2	1	218	< 0.01	< 10	< 10	107	< 10	46	8000
L7400E 9900N	201	202	5	38	< 0.01	10	630	14	4	1	124	< 0.01	< 10	< 10	85	< 10	34	6200
L7400E 9950N	201	202	5	51	0.01	11	2200	20	8	< 1	218	< 0.01	< 10	< 10	170	< 10	22	7800
L7400E 10000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 8700N	201	202	60	43	< 0.01	40	450	10	4	1	48	0.03	< 10	< 10	488	< 10	190	1360
L7800E 8750N	201	202	235	66	0.01	172	1020	14	10	4	142	0.03	< 10	< 10	645	< 10	664	2760
L7800E 8800N	201	202	1390	57	< 0.01	267	2450	10	8	6	258	0.02	< 10	< 10	587	< 10	1230	>10000
L7800E 8850N	201	202	25	12	< 0.01	31	2000	2	4	< 1	26	< 0.01	< 10	< 10	63	< 10	58	1560
L7800E 8900N	201	202	20	11	< 0.01	28	1560	4	< 2	< 1	40	< 0.01	< 10	< 10	96	< 10	68	1640
L7800E 8950N	201	202	20	10	< 0.01	58	2290	< 2	4	1	48	< 0.01	< 10	< 10	101	< 10	182	>10000
L7800E 9000N	201	202	165	67	< 0.01	134	1540	14	12	4	143	0.02	< 10	< 10	853	< 10	656	>10000
L7800E 9050N	201	202	395	82	0.01	536	2000	12	10	8	268	0.01	< 10	< 10	797	< 10	4000	3400
L7800E 9150N	201	202	60	73	< 0.01	147	1750	14	8	2	250	0.01	< 10	< 10	397	< 10	378	3840
L7800E 9200N	201	202	90	12	< 0.01	17	470	4	2	1	21	0.01	< 10	< 10	135	< 10	86	1080
L7800E 9250N	201	202	275	29	< 0.01	51	720	10	8	3	78	0.03	< 10	< 10	224	< 10	264	3760
L7800E 9300N	201	202	130	44	< 0.01	81	850	12	4	3	249	< 0.01	< 10	< 10	198	< 10	396	4800
L7800E 9350N	201	202	165	56	< 0.01	220	1270	10	8	4	220	0.01	< 10	< 10	470	< 10	1075	6400
L7800E 9400N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9450N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9500N	201	202	125	63	< 0.01	282	740	8	< 2	3	132	0.02	< 10	< 10	931	< 10	916	8800
L7800E 9525N	201	202	255	38	< 0.01	231	720	8	2	3	77	0.02	< 10	< 10	864	< 10	862	5800
L7800E 9550N	201	202	450	58	< 0.01	247	1540	10	10	4	103	0.06	< 10	< 10	2110	< 10	2720	>10000
L7800E 9600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7800E 9650N	201	202	225	91	< 0.01	362	1400	18	10	7	144	0.08	< 10	10	3050	< 10	3760	7800
L7800E 9700N	201	202	320	174	< 0.01	704	2400	22	22	9	894	0.17	10	10	5150	< 10	>10000	>10000
L7800E 9725N	201	202	55	28	< 0.01	56	2210	10	4	3	411	< 0.01	< 10	< 10	399	< 10	268	>10000
L7800E 9750N	201	202	15	74	0.01	30	>10000	20	12	15	349	< 0.01	< 10	10	458	< 10	88	>10000
L7800E 9800N	201	202	20	84	0.01	22	>10000	28	18	5	415	< 0.01	< 10	< 10	437	< 10	120	>10000
L7800E 9850N	201	202	45	38	< 0.01	22	1850	12	10	< 1	176	< 0.01	< 10	< 10	237	< 10	96	7800
L7800E 9900N	201	202	10	73	< 0.01	22	2630	22	8	2	217	< 0.01	< 10	< 10	397	< 10	70	8600
L7800E 9950N	201	202	15	34	0.03	7	6980	32	2	6	68	0.01	< 10	< 10	257	< 10	60	4000

CERTIFICATION: Hank Biddle

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 26-JUN-98
Invoice No. :19821728
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9821728

SAMPLE	PREP CODE		Au ppb fusion FA+AA wt. gm	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 %
L7800E 10000N	201	202	not/ss not/ss	3.0	0.13	44	90	< 0.5	< 2	0.01	< 0.5	< 1	14	25	5.96	< 10	< 1	0.52	< 10	0.01

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

To: [redacted]ITY E[redacted]EERI[redacted]D.

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

Project : BLK98-03
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[redacted]ge Nu[redacted] :4-B[redacted]
Total Pages :5
Certificate Date: 26-JUN-98
Invoice No. :19821728
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Account :EIA

CERTIFICATE OF ANALYSIS A9821728

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	Ba ppm
L7800E 10000N	201	202	15	68	0.01	18	820	18	4	2	66	< 0.01	< 10	< 10	119	< 10	124	>10000

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

A9820820

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9820820

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	135	Dry, sieve to -80 mesh
202	135	save reject
229	135	ICP - AQ Digestion charge
232	135	Perchloric-nitric-HF digestion
* 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	130	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	134	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	134	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	134	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	134	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	134	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	134	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	134	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	134	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	134	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	134	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	134	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	134	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	134	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	134	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	134	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	134	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	134	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	134	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	134	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	134	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	134	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	134	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	134	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	134	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	134	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	134	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	134	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	134	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	134	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	134	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	134	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	134	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	134	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :4
Certificate Date: 10-JUN-98
Invoice No. :I9820820
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820820

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
L8800E:7100N	201	202	< 5	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
L8800E:7150N	201	202	< 5	0.8	1.12	10	250	< 0.5	< 2	0.23	< 0.5	1	30	32	1.70	< 10	< 1	0.06	10	0.23	40
L8800E:7200N	201	202	< 5	< 0.2	1.47	8	660	< 0.5	< 2	0.31	1.0	15	76	26	4.22	< 10	< 1	0.06	10	0.31	280
L8800E:7250N	201	202	10	0.2	2.24	14	840	0.5	< 2	0.25	1.5	24	81	68	6.13	< 10	< 1	0.08	10	0.64	625
L8800E:7300N	201	202	< 5	1.8	0.62	38	250	< 0.5	< 2	0.17	1.5	< 1	70	93	2.61	< 10	< 1	0.17	< 10	0.16	25
L8800E:7350N	201	202	< 5	1.2	0.92	24	720	0.5	< 2	0.26	2.0	1	63	66	2.08	< 10	< 1	0.08	10	0.26	45
L8800E:7400N	201	202	< 5	0.8	0.70	10	410	< 0.5	< 2	0.68	4.0	1	17	35	1.05	< 10	< 1	0.04	< 10	0.07	30
L8800E:7450N	201	202	5	0.4	1.42	48	210	< 0.5	< 2	0.17	1.5	6	52	65	4.50	< 10	< 1	0.21	10	0.47	235
L8800E:7500N	201	202	< 5	0.4	2.23	60	540	0.5	< 2	0.18	14.5	23	52	121	5.36	< 10	< 1	0.19	10	0.79	760
L8800E:7550N	201	202	< 5	0.6	1.39	30	510	< 0.5	< 2	0.30	3.0	7	38	42	2.29	< 10	< 1	0.11	10	0.54	120
L8800E:7600N	201	202	< 5	1.0	1.67	18	770	0.5	< 2	0.42	8.5	22	55	63	2.03	< 10	< 1	0.09	20	0.73	535
L8800E:7650N	201	202	< 5	0.8	1.43	28	860	0.5	< 2	1.30	7.0	15	55	98	2.38	< 10	< 1	0.11	20	0.59	300
L8800E:7700N	201	202	< 5	0.6	1.14	34	670	0.5	< 2	1.39	8.0	12	60	80	2.17	< 10	< 1	0.09	20	0.80	190
L8800E:7750N	201	202	< 5	0.2	1.15	16	790	< 0.5	< 2	1.64	3.5	8	30	49	1.72	< 10	< 1	0.06	10	0.44	315
L8800E:7800N	201	202	< 5	0.8	2.31	58	850	1.0	< 2	0.54	10.5	12	70	144	4.08	< 10	< 1	0.17	10	1.01	285
L8800E:7850N	201	202	< 5	0.6	1.57	50	360	0.5	< 2	0.28	2.5	6	49	77	4.21	< 10	< 1	0.18	10	0.67	120
L8800E:7900N	201	202	< 5	0.2	1.51	10	650	< 0.5	< 2	0.42	2.5	12	38	34	2.15	< 10	< 1	0.08	10	0.54	410
L8800E:7950N	201	202	< 5	0.8	1.52	24	1340	< 0.5	< 2	0.38	1.5	6	38	48	2.52	< 10	< 1	0.07	10	0.38	135
L8800E:8000N	201	202	< 5	3.0	2.10	130	240	0.5	< 2	0.11	2.0	4	99	157	9.52	< 10	< 1	0.54	< 10	0.29	95
L8800E:8050N	201	202	< 5	1.0	1.73	92	280	0.5	< 2	1.39	10.5	25	40	148	5.50	< 10	< 1	0.32	< 10	2.20	215
L8800E:8100N	201	202	< 5	1.2	0.92	56	610	< 0.5	< 2	1.59	7.5	10	27	85	2.91	< 10	1	0.11	< 10	0.38	235
L8800E:8150N	201	202	< 5	1.4	0.93	38	530	< 0.5	< 2	0.50	3.5	5	41	26	2.18	< 10	< 1	0.13	10	0.32	135
L8800E:8475N	201	202	< 5	1.0	0.56	24	790	< 0.5	< 2	0.23	3.0	5	26	30	1.55	< 10	1	0.09	10	0.18	145
L8800E:8500N	201	202	< 5	0.4	0.65	8	640	< 0.5	< 2	0.37	12.0	3	19	27	1.35	< 10	1	0.06	10	0.23	25
L8800E:8525N	201	202	< 5	0.2	0.61	10	180	< 0.5	< 2	0.70	10.0	15	13	77	1.16	< 10	< 1	0.04	< 10	0.69	305
L8800E:8550N	201	202	< 5	0.6	0.88	22	270	0.5	< 2	2.63	14.5	9	29	66	1.62	< 10	< 1	0.06	< 10	0.37	315
L8800E:8575N	201	202	< 5	0.6	1.27	44	940	0.5	< 2	1.69	15.5	20	43	137	2.39	< 10	< 1	0.11	10	0.62	350
L8800E:8600N	201	202	< 5	0.8	1.09	52	580	< 0.5	< 2	2.32	9.5	19	35	88	2.73	< 10	< 1	0.10	< 10	0.58	230
L8800E:8625N	201	202	< 5	0.2	0.56	20	320	< 0.5	< 2	3.93	7.0	6	19	54	1.18	< 10	< 1	0.05	< 10	0.29	85
L8800E:8650N	201	202	< 5	1.8	1.51	60	1420	1.5	< 2	1.76	23.5	28	71	159	3.38	< 10	< 1	0.16	20	1.12	475
L8800E:8675N	201	202	< 5	0.2	0.49	30	620	< 0.5	< 2	0.17	1.5	4	29	26	1.84	< 10	< 1	0.08	10	0.12	55
L8800E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8800E:8725N	201	202	< 5	6.0	1.18	160	1250	1.0	< 2	7.47	243	16	147	368	1.86	< 10	< 1	0.13	10	1.97	420
L8800E:8750N	201	202	< 5	6.2	0.91	80	1270	0.5	< 2	5.36	129.0	7	127	311	1.26	< 10	< 1	0.13	10	1.45	150
L8800E:8775N	201	202	< 5	7.4	1.18	148	1820	1.5	< 2	9.04	185.5	17	229	400	1.91	10	1	0.23	10	0.92	275
L8800E:8800N	201	202	< 5	6.6	0.95	88	7060	1.0	< 2	6.39	94.0	13	172	247	1.94	< 10	1	0.18	20	0.92	220
L8800E:8825N	201	202	< 5	8.8	1.40	136	3110	1.5	< 2	4.02	157.5	21	267	448	2.77	10	< 1	0.27	30	0.82	395
L8800E:8850N	201	202	5	3.4	0.96	102	3270	1.5	< 2	0.68	35.0	10	185	169	2.54	< 10	< 1	0.19	30	0.38	140
L8800E:8875N	201	202	< 5	3.2	0.80	70	1650	1.0	< 2	1.22	40.5	4	151	141	1.90	< 10	< 1	0.12	30	0.40	55
L8800E:8900N	201	202	not/ss	0.8	1.41	26	750	0.5	< 2	1.27	22.5	23	44	100	2.16	< 10	1	0.08	10	0.44	985

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 10-JUN-98
Invoice No. :19820820
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820820

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	Ba ppm
L8800E:7100N	201	202	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
L8800E:7150N	201	202	5	< 0.01	17	1870	10	2	< 1	30	0.01	< 10	< 10	57	< 10	38	960
L8800E:7200N	201	202	9	< 0.01	54	1480	2	< 2	4	27	0.01	< 10	< 10	99	< 10	148	3200
L8800E:7250N	201	202	28	< 0.01	67	1410	2	2	11	54	0.01	< 10	< 10	197	< 10	282	2000
L8800E:7300N	201	202	33	< 0.01	33	1810	10	4	1	205	0.06	< 10	< 10	635	< 10	90	>10000
L8800E:7350N	201	202	28	< 0.01	42	1430	10	2	2	174	0.06	< 10	< 10	522	< 10	124	>10000
L8800E:7400N	201	202	13	< 0.01	34	1520	< 2	4	< 1	105	0.01	< 10	< 10	127	< 10	98	8200
L8800E:7450N	201	202	64	< 0.01	56	2120	18	2	3	194	0.04	< 10	< 10	576	< 10	228	3500
L8800E:7500N	201	202	94	< 0.01	385	2120	16	4	8	204	0.03	< 10	10	640	< 10	1745	2800
L8800E:7550N	201	202	50	< 0.01	105	1230	18	2	3	83	0.03	< 10	< 10	449	< 10	612	2500
L8800E:7600N	201	202	45	< 0.01	294	1460	10	< 2	5	70	0.03	< 10	10	711	< 10	1130	2600
L8800E:7650N	201	202	38	< 0.01	401	1540	8	2	7	221	0.04	< 10	20	745	< 10	1535	4300
L8800E:7700N	201	202	65	< 0.01	517	2610	8	< 2	6	324	0.03	< 10	10	1015	< 10	1585	4000
L8800E:7750N	201	202	22	< 0.01	140	1170	6	< 2	4	148	0.03	< 10	< 10	251	< 10	414	3300
L8800E:7800N	201	202	82	< 0.01	368	1830	16	2	7	276	0.04	< 10	20	748	< 10	1570	5500
L8800E:7850N	201	202	88	0.01	126	1560	14	4	6	215	0.05	< 10	10	536	< 10	536	2000
L8800E:7900N	201	202	17	< 0.01	77	1010	8	< 2	4	68	0.04	< 10	< 10	207	< 10	390	2400
L8800E:7950N	201	202	22	< 0.01	62	1460	10	2	3	154	0.03	< 10	< 10	240	< 10	338	7800
L8800E:8000N	201	202	75	0.01	169	4960	18	8	5	177	0.01	< 10	20	722	< 10	314	>10000
L8800E:8050N	201	202	180	0.01	584	1790	14	8	7	272	< 0.01	< 10	20	485	< 10	1920	3000
L8800E:8100N	201	202	55	< 0.01	200	1440	14	6	3	148	< 0.01	< 10	20	274	< 10	910	2500
L8800E:8150N	201	202	37	< 0.01	47	1450	14	6	2	61	< 0.01	< 10	< 10	464	< 10	552	4500
L8800E:8475N	201	202	36	< 0.01	38	1480	8	2	1	29	< 0.01	< 10	< 10	330	< 10	224	4000
L8800E:8500N	201	202	23	< 0.01	161	1050	8	4	1	47	0.01	< 10	< 10	183	< 10	356	2450
L8800E:8525N	201	202	22	< 0.01	141	1330	2	6	3	71	0.01	< 10	< 10	141	< 10	408	1460
L8800E:8550N	201	202	28	< 0.01	215	1350	8	6	2	244	0.01	< 10	10	346	< 10	872	9000
L8800E:8575N	201	202	41	< 0.01	558	1470	10	4	5	203	0.01	< 10	10	744	< 10	2280	5400
L8800E:8600N	201	202	62	< 0.01	738	1920	12	6	6	233	< 0.01	< 10	< 10	617	< 10	3340	4500
L8800E:8625N	201	202	35	< 0.01	247	1480	6	2	1	294	0.01	< 10	< 10	346	< 10	820	3600
L8800E:8650N	201	202	95	< 0.01	709	2440	18	2	9	332	0.03	< 10	20	1205	< 10	3560	9400
L8800E:8675N	201	202	46	< 0.01	80	670	12	2	1	68	0.01	< 10	< 10	454	< 10	372	5000
L8800E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8800E:8725N	201	202	140	< 0.01	788	2030	18	8	7	780	0.10	10	10	4280	< 10	>10000	8000
L8800E:8750N	201	202	84	< 0.01	612	2540	10	10	6	647	0.04	10	10	2730	< 10	9810	9000
L8800E:8775N	201	202	177	< 0.01	768	6380	24	20	8	1280	0.07	20	10	5320	< 10	>10000	>10000
L8800E:8800N	201	202	124	< 0.01	804	2070	14	8	7	765	0.11	10	10	3860	< 10	8570	>10000
L8800E:8825N	201	202	164	< 0.01	991	2700	26	10	11	563	0.17	10	10	6580	< 10	>10000	>10000
L8800E:8850N	201	202	170	< 0.01	427	2060	22	6	10	232	0.16	10	10	4290	< 10	2550	>10000
L8800E:8875N	201	202	108	< 0.01	394	1240	14	4	6	205	0.09	< 10	< 10	2830	< 10	3670	7200
L8800E:8900N	201	202	34	< 0.01	266	1150	10	< 2	4	150	0.03	< 10	10	635	< 10	1285	>10000

CERTIFICATION: Stewart Riddle

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
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Total Pages :4
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CERTIFICATE OF ANALYSIS A9820820

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
L8800E:8925N	201	202	< 5	2.4	0.76	36	1230	1.0	< 2	1.07	20.5	11	144	115	1.13	< 10	< 1	0.11	10	0.67	150
L8800E:8950N	201	202	< 5	2.0	0.85	26	1690	0.5	< 2	0.74	16.0	9	147	66	1.03	< 10	< 1	0.10	20	0.52	220
L8800E:8975N	201	202	< 5	5.4	0.93	80	1630	1.0	< 2	0.52	44.0	6	185	136	1.94	< 10	< 1	0.16	30	0.54	55
L8800E:9000N	201	202	< 5	6.4	1.03	88	1250	1.5	< 2	0.53	39.5	7	271	156	2.04	< 10	< 1	0.13	30	0.85	130
L8800E:9025N	201	202	< 5	3.6	0.80	66	1540	1.0	< 2	0.85	23.5	6	271	132	1.80	< 10	< 1	0.10	30	0.66	80
L8800E:9050N	201	202	< 5	1.8	0.60	44	1200	0.5	< 2	0.80	13.5	4	187	74	1.15	< 10	< 1	0.08	20	0.36	60
L8800E:9075N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8800E:9100N	201	202	< 5	1.6	0.97	54	600	0.5	< 2	0.61	5.5	4	117	60	2.98	< 10	< 1	0.14	10	0.42	70
L8800E:9150N	201	202	< 5	1.4	1.97	46	1030	< 0.5	< 2	0.06	1.0	6	46	35	3.53	< 10	< 1	0.10	10	0.30	170
L8800E:9200N	201	202	< 5	1.4	1.25	40	1440	< 0.5	< 2	0.24	3.0	10	47	55	3.50	< 10	< 1	0.16	10	0.38	270
L8800E:9250N	201	202	< 5	0.8	1.60	44	1040	< 0.5	< 2	0.04	0.5	3	38	30	4.74	< 10	< 1	0.09	10	0.19	170
L8800E:9300N	201	202	< 5	1.4	1.16	46	860	< 0.5	< 2	0.03	< 0.5	1	30	18	3.22	< 10	< 1	0.07	10	0.09	55
L8800E:9350N	201	202	10	2.2	0.84	60	290	< 0.5	< 2	1.10	2.5	4	42	78	5.55	< 10	< 1	0.31	< 10	0.09	365
L8800E:9400N	201	202	20	1.6	1.19	78	450	< 0.5	< 2	0.22	0.5	3	53	96	10.00	< 10	< 1	0.17	10	0.07	390
L8800E:9450N	201	202	< 5	9.4	0.98	76	1490	1.0	< 2	3.63	69.0	9	136	253	1.45	< 10	< 1	0.13	20	1.10	225
L8800E:9500N	201	202	10	22.4	1.44	208	1790	1.5	< 2	1.13	282	23	271	539	2.87	< 10	< 1	0.28	40	0.38	575
L8800E:9550N	201	202	not/ss	1.6	0.51	26	310	< 0.5	< 2	0.26	3.0	1	37	51	1.47	< 10	< 1	0.10	10	0.04	25
L8800E:9600N	201	202	15	2.4	0.25	50	260	< 0.5	< 2	0.05	0.5	< 1	27	36	2.60	< 10	< 1	0.31	< 10	0.02	10
L9000E:7250N	201	202	< 5	1.4	1.01	50	380	0.5	< 2	0.34	5.0	4	58	80	2.03	< 10	< 1	0.15	10	0.34	105
L9000E:7275N	201	202	< 5	1.0	1.02	46	860	< 0.5	< 2	0.21	2.5	5	48	55	2.62	< 10	< 1	0.13	10	0.40	125
L9000E:7300N	201	202	< 5	1.4	0.87	38	870	< 0.5	< 2	0.11	0.5	< 1	49	44	1.89	< 10	< 1	0.04	10	0.13	30
L9000E:7325N	201	202	not/ss	0.8	0.85	24	890	< 0.5	< 2	0.18	2.5	2	42	58	1.43	< 10	< 1	0.06	10	0.21	40
L9000E:7350N	201	202	not/ss	1.0	0.83	32	430	< 0.5	< 2	0.29	2.0	< 1	31	52	2.42	< 10	< 1	0.04	< 10	0.08	20
L9000E:7375N	201	202	< 5	1.4	0.94	60	320	< 0.5	< 2	0.08	0.5	1	55	61	3.96	< 10	< 1	0.16	< 10	0.09	25
L9000E:7400N	201	202	< 5	1.4	1.15	52	450	< 0.5	< 2	0.05	0.5	2	61	65	3.57	< 10	< 1	0.17	10	0.10	30
L9000E:7425N	201	202	< 5	1.2	0.70	26	150	< 0.5	< 2	0.15	2.0	1	24	34	1.97	< 10	< 1	0.11	10	0.31	50
L9000E:7450N	201	202	< 5	0.8	1.26	50	620	< 0.5	< 2	0.10	1.5	3	51	45	3.60	< 10	< 1	0.17	10	0.36	95
L9000E:7475N	201	202	< 5	0.4	2.07	66	610	0.5	< 2	0.26	11.5	21	50	117	4.42	< 10	< 1	0.18	10	0.74	530
L9000E:7500N	201	202	< 5	0.6	1.86	50	380	0.5	< 2	0.85	5.0	10	48	85	4.17	< 10	< 1	0.18	10	0.76	320
L9000E:7525N	201	202	< 5	1.0	1.70	62	1000	1.0	< 2	0.93	13.5	15	73	128	3.22	< 10	< 1	0.14	30	0.85	235
L9000E:7550N	201	202	< 5	0.6	1.01	48	780	1.5	< 2	1.43	11.0	21	78	126	2.06	< 10	< 1	0.10	20	1.34	280
L9000E:7575N	201	202	< 5	0.6	0.83	48	640	0.5	< 2	2.69	6.5	9	57	85	1.54	< 10	< 1	0.10	10	1.00	170
L9000E:7600N	201	202	< 5	1.2	0.77	54	650	1.5	< 2	6.22	15.0	12	98	126	1.92	< 10	< 1	0.12	10	1.52	180
L9000E:7650N	201	202	< 5	0.2	1.46	12	590	0.5	< 2	1.32	3.5	16	55	53	3.17	< 10	< 1	0.19	10	1.00	325
L9000E:7700N	201	202	< 5	1.6	0.65	30	870	0.5	< 2	2.97	31.5	6	70	81	1.07	< 10	< 1	0.08	10	0.55	130
L9000E:7750N	201	202	< 5	6.8	1.86	104	1170	1.5	< 2	1.76	90.0	15	174	285	2.80	< 10	< 1	0.16	30	0.94	230
L9000E:7800N	201	202	< 5	1.6	2.38	44	810	1.5	< 2	1.32	43.0	29	79	189	3.12	< 10	< 1	0.09	20	1.13	460
L9000E:7850N	201	202	< 5	1.0	1.41	80	160	0.5	< 2	2.75	17.5	24	50	103	4.34	< 10	< 1	0.22	10	1.42	805
L9000E:7900N	201	202	< 5	0.8	1.13	44	520	< 0.5	< 2	1.69	6.5	10	34	44	2.14	< 10	< 1	0.12	10	0.42	235
L9000E:7950N	201	202	< 5	1.2	1.76	78	240	0.5	< 2	0.19	8.5	14	53	127	5.27	< 10	< 1	0.31	10	0.78	275

CERTIFICATION: Hunt Biddle

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CERTIFICATE OF ANALYSIS A9820820

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	Ba ppm
L8800E:8925N	201	202	33	< 0.01	311	1680	10	2	6	226	0.04	< 10	10	1740	< 10	1905	6200
L8800E:8950N	201	202	9	< 0.01	164	2100	8	< 2	4	195	0.05	< 10	10	1610	< 10	1555	6000
L8800E:8975N	201	202	62	< 0.01	264	910	16	8	6	81	0.04	< 10	< 10	3070	< 10	2640	5000
L8800E:9000N	201	202	50	< 0.01	388	1320	16	6	7	101	0.02	< 10	10	2770	< 10	3320	4200
L8800E:9025N	201	202	36	< 0.01	294	2030	10	6	6	116	0.02	< 10	< 10	1720	< 10	1950	5800
L8800E:9050N	201	202	17	< 0.01	112	1270	10	2	3	82	0.01	< 10	10	1185	< 10	776	4300
L8800E:9075N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8800E:9100N	201	202	21	< 0.01	90	2250	16	2	5	180	0.03	< 10	< 10	877	< 10	658	>10000
L8800E:9150N	201	202	19	< 0.01	32	480	16	2	4	55	0.04	< 10	< 10	316	< 10	210	3600
L8800E:9200N	201	202	21	0.01	66	1250	18	2	3	138	0.03	< 10	< 10	284	< 10	374	5800
L8800E:9250N	201	202	19	< 0.01	28	440	18	6	3	62	0.03	< 10	< 10	390	< 10	202	5600
L8800E:9300N	201	202	28	< 0.01	16	310	16	4	1	42	0.04	< 10	< 10	349	< 10	74	2600
L8800E:9350N	201	202	31	0.01	87	1590	16	14	5	242	0.01	< 10	< 10	281	< 10	174	>10000
L8800E:9400N	201	202	26	0.01	49	3280	24	8	5	211	0.01	< 10	< 10	334	< 10	216	>10000
L8800E:9450N	201	202	56	< 0.01	697	2150	14	10	9	758	0.07	10	30	2510	< 10	8040	5000
L8800E:9500N	201	202	156	< 0.01	1020	2070	30	24	14	259	0.13	20	10	6960	< 10	>10000	>10000
L8800E:9550N	201	202	21	< 0.01	47	1030	10	2	1	124	0.01	< 10	< 10	310	< 10	424	>10000
L8800E:9600N	201	202	45	< 0.01	26	1250	24	4	1	158	< 0.01	< 10	< 10	275	< 10	38	7000
L9000E:7250N	201	202	54	< 0.01	80	1440	14	6	4	287	0.08	< 10	< 10	821	< 10	292	>10000
L9000E:7275N	201	202	48	< 0.01	68	1130	10	4	3	140	0.06	< 10	< 10	617	< 10	244	>10000
L9000E:7300N	201	202	13	< 0.01	14	1110	8	2	1	55	0.03	< 10	< 10	321	< 10	32	7800
L9000E:7325N	201	202	16	< 0.01	32	1080	6	< 2	1	106	0.03	< 10	< 10	350	< 10	104	8200
L9000E:7350N	201	202	17	< 0.01	20	1400	6	2	< 1	61	0.01	< 10	< 10	229	< 10	52	8200
L9000E:7375N	201	202	18	0.01	12	3600	10	4	3	187	0.03	< 10	< 10	320	< 10	42	>10000
L9000E:7400N	201	202	28	0.01	19	2800	10	< 2	1	167	0.02	< 10	< 10	404	< 10	66	>10000
L9000E:7425N	201	202	50	0.01	28	1730	10	2	< 1	90	0.01	< 10	< 10	213	< 10	98	1820
L9000E:7450N	201	202	53	< 0.01	39	1400	14	< 2	3	135	0.05	< 10	< 10	499	< 10	150	8500
L9000E:7475N	201	202	95	0.01	411	1850	18	< 2	7	214	0.04	< 10	10	653	< 10	1170	2800
L9000E:7500N	201	202	74	0.01	161	1520	18	< 2	4	240	0.04	< 10	< 10	686	< 10	648	3200
L9000E:7525N	201	202	81	< 0.01	670	1780	16	< 2	7	256	0.04	10	30	1205	< 10	2210	4600
L9000E:7550N	201	202	87	< 0.01	839	2050	14	< 2	7	346	0.06	< 10	10	1765	< 10	2240	3700
L9000E:7575N	201	202	70	< 0.01	448	1300	8	2	5	382	0.02	< 10	10	1340	< 10	1275	2500
L9000E:7600N	201	202	87	< 0.01	462	1120	12	2	5	448	0.05	< 10	30	1470	< 10	1550	4000
L9000E:7650N	201	202	10	< 0.01	67	1770	12	< 2	5	96	0.04	< 10	< 10	147	< 10	330	2300
L9000E:7700N	201	202	23	< 0.01	225	1290	6	8	3	326	0.02	< 10	30	1000	< 10	1990	2400
L9000E:7750N	201	202	102	< 0.01	889	1300	16	14	10	261	0.07	10	30	3400	< 10	9780	6000
L9000E:7800N	201	202	83	< 0.01	1005	1410	16	4	6	192	0.03	< 10	30	1050	< 10	5230	5700
L9000E:7850N	201	202	92	0.01	419	2110	20	8	6	318	0.01	< 10	10	781	< 10	2570	3800
L9000E:7900N	201	202	31	< 0.01	156	1350	14	6	4	160	0.02	< 10	< 10	452	< 10	906	3000
L9000E:7950N	201	202	138	0.02	312	1860	28	4	6	212	0.01	10	10	888	< 10	1230	2700

CERTIFICATION: Hart Bidle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :3-A
Total Pages :4
Certificate Date: 10-JUN-98
Invoice No. :I9820820
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820820

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
L9000E:8000N	201	202	< 5	1.0	2.92	72	430	1.0	< 2	0.36	25.5	29	56	163	5.71	< 10	< 1	0.23	10	0.55	770
L9000E:8050N	201	202	< 5	0.8	1.46	48	370	< 0.5	< 2	0.09	5.0	7	37	98	4.79	< 10	< 1	0.31	10	0.79	255
L9000E:8100N	201	202	< 5	1.0	1.45	58	180	< 0.5	< 2	0.04	2.5	4	44	94	5.02	< 10	< 1	0.29	20	0.76	175
L9000E:8150N	201	202	< 5	0.8	1.54	58	530	0.5	< 2	0.07	3.0	5	37	101	4.10	< 10	< 1	0.20	10	0.55	115
L9000E:8200N	201	202	< 5	1.0	1.32	84	340	0.5	< 2	1.46	20.5	24	34	166	6.17	< 10	< 1	0.16	< 10	0.97	290
L9000E:8250N	201	202	< 5	0.6	0.46	20	240	< 0.5	< 2	3.23	29.5	8	12	101	1.16	< 10	< 1	0.05	< 10	0.26	145
L9200E:7250N	201	202	< 5	0.6	1.26	56	510	0.5	< 2	0.11	6.5	4	32	102	4.29	< 10	< 1	0.17	10	0.81	85
L9200E:7275N	201	202	10	0.6	1.91	68	350	0.5	< 2	0.06	4.0	9	46	127	5.22	< 10	< 1	0.21	10	1.19	270
L9200E:7300N	201	202	5	0.4	2.19	60	220	0.5	< 2	0.09	18.5	15	51	213	5.50	< 10	< 1	0.27	10	1.67	295
L9200E:7325N	201	202	10	0.4	2.43	40	860	1.5	< 2	1.54	181.0	95	50	356	4.12	< 10	< 1	0.17	20	1.53	2200
L9200E:7350N	201	202	5	0.6	1.44	50	200	0.5	< 2	0.07	6.0	4	47	108	3.77	< 10	< 1	0.19	10	0.31	100
L9200E:7375N	201	202	< 5	0.6	1.86	54	230	0.5	< 2	0.49	21.5	11	51	182	4.17	< 10	< 1	0.22	10	0.74	250
L9200E:7400N	201	202	5	0.8	1.60	60	300	0.5	< 2	0.21	8.5	9	52	134	3.32	< 10	< 1	0.19	10	0.44	135
L9200E:7425N	201	202	< 5	0.4	1.63	36	640	1.0	< 2	1.33	36.5	21	49	216	3.47	< 10	< 1	0.12	10	1.04	255
L9200E:7450N	201	202	10	1.0	1.75	64	470	1.5	< 2	5.92	31.5	16	75	186	2.96	< 10	< 1	0.17	10	1.15	185
L9200E:7475N	201	202	5	1.0	0.71	50	550	1.0	< 2	8.11	8.0	9	62	128	1.52	< 10	< 1	0.12	10	0.75	125
L9200E:7500N	201	202	< 5	0.4	0.71	36	860	0.5	< 2	1.95	8.0	7	41	78	1.48	< 10	< 1	0.08	10	0.49	110
L9200E:7525N	201	202	10	0.4	1.03	46	750	1.0	< 2	1.68	19.5	12	52	122	1.81	< 10	< 1	0.08	10	0.89	190
L9200E:7550N	201	202	10	1.4	0.95	62	410	0.5	< 2	0.91	7.5	7	54	88	3.29	< 10	< 1	0.14	10	0.60	120
L9200E:7600N	201	202	5	1.2	1.70	62	630	2.0	< 2	0.84	21.5	20	73	135	2.78	< 10	< 1	0.13	20	0.86	280
L9200E:7650N	201	202	5	1.2	0.88	44	1210	1.0	< 2	1.95	10.0	8	62	72	1.59	< 10	< 1	0.08	20	1.37	315
L9200E:7700N	201	202	10	1.2	0.81	30	500	0.5	< 2	0.64	7.0	2	53	79	1.71	< 10	< 1	0.13	10	0.07	95
L9200E:7750N	201	202	10	1.4	0.38	52	9350	< 0.5	< 2	1.62	8.0	3	36	70	1.51	< 10	< 1	0.09	10	0.66	225
L9200E:7800N	201	202	10	1.0	0.60	34	470	0.5	< 2	1.62	8.5	4	58	70	2.72	< 10	< 1	0.13	< 10	0.88	180
L9200E:7850N	201	202	not/ss	1.4	1.61	76	190	0.5	< 2	0.67	5.5	4	81	136	4.41	< 10	< 1	0.33	10	0.13	95
L9200E:7900N	201	202	< 5	0.6	1.44	44	3520	< 0.5	< 2	0.32	4.0	8	39	36	2.29	< 10	< 1	0.07	10	0.33	325
L9200E:7950N	201	202	< 5	0.4	2.94	34	1240	0.5	< 2	0.16	2.0	14	48	44	3.37	< 10	< 1	0.09	10	0.37	530
L9200E:8000N	201	202	< 5	2.0	2.08	38	540	0.5	< 2	0.45	9.5	10	57	115	3.38	< 10	< 1	0.17	10	0.28	300
L9200E:8050N	201	202	< 5	2.4	1.73	66	210	0.5	< 2	0.93	10.5	11	82	133	3.68	< 10	< 1	0.20	10	0.64	265
L9200E:8100N	201	202	10	1.4	1.11	70	160	< 0.5	< 2	0.03	3.5	2	48	125	4.95	< 10	< 1	0.44	20	0.18	45
L9200E:8150N	201	202	5	1.2	1.68	42	810	0.5	< 2	0.69	7.0	11	58	80	2.96	< 10	< 1	0.15	10	1.10	260
L9200E:8200N	201	202	10	0.8	1.17	34	1040	< 0.5	< 2	0.12	3.0	1	34	52	2.01	< 10	< 1	0.06	10	0.21	45
L9200E:8250N	201	202	10	1.4	2.31	80	300	< 0.5	< 2	0.12	1.5	6	67	119	5.50	< 10	< 1	0.36	30	0.34	270
L9400E:7250N	201	202	20	2.0	0.85	64	200	< 0.5	< 2	0.03	1.5	< 1	61	70	3.76	< 10	< 1	0.23	10	0.13	30
L9400E:7300N	201	202	10	1.2	0.63	44	390	< 0.5	< 2	0.06	2.0	1	43	61	2.19	< 10	< 1	0.15	10	0.16	35
L9400E:7350N	201	202	20	1.2	0.46	34	350	< 0.5	< 2	0.04	1.5	< 1	39	71	1.80	< 10	< 1	0.16	10	0.05	5
L9400E:7400N	201	202	10	0.8	1.82	110	250	0.5	< 2	0.06	5.0	4	65	231	5.96	< 10	< 1	0.36	30	1.48	85
L9400E:7450N	201	202	10	1.2	1.53	92	150	0.5	< 2	0.36	4.5	7	58	206	5.91	< 10	< 1	0.32	10	1.11	190
L9400E:7475N	201	202	< 5	0.4	1.81	56	4640	0.5	< 2	10.15	46.5	16	26	193	1.30	< 10	< 1	0.15	< 10	7.60	885
L9400E:7500N	201	202	< 5	1.0	2.86	78	330	1.5	< 2	0.39	7.5	9	76	191	4.45	< 10	< 1	0.29	20	0.62	285

CERTIFICATION: Hart Bielle

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 10-JUN-98
Invoice No. : I9820820
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9820820

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	Ba ppm
L9000E:8000N	201	202	119	< 0.01	516	2040	26	6	11	147	0.07	10	10	1165	< 10	3070	>10000
L9000E:8050N	201	202	115	0.01	120	1570	26	2	5	148	0.01	< 10	< 10	782	< 10	556	2500
L9000E:8100N	201	202	155	0.02	89	2010	22	8	3	153	0.01	< 10	< 10	804	< 10	250	2000
L9000E:8150N	201	202	110	0.01	165	1400	22	8	3	96	0.01	< 10	10	515	< 10	448	2000
L9000E:8200N	201	202	103	< 0.01	604	2070	16	10	7	218	< 0.01	10	20	438	< 10	2310	3900
L9000E:8250N	201	202	24	< 0.01	419	1110	6	8	1	219	< 0.01	< 10	20	157	< 10	1325	1360
L9200E:7250N	201	202	104	0.01	147	1550	20	8	4	154	0.01	< 10	< 10	786	< 10	770	3000
L9200E:7275N	201	202	126	0.01	247	2120	30	6	6	219	0.01	< 10	< 10	1055	< 10	1125	2800
L9200E:7300N	201	202	128	0.01	430	1580	32	10	10	235	0.01	< 10	10	1220	< 10	2200	2700
L9200E:7325N	201	202	82	< 0.01	1430	1370	20	8	16	180	0.03	10	50	1380	< 10	>10000	7200
L9200E:7350N	201	202	93	< 0.01	108	1170	22	8	5	218	0.03	< 10	10	817	< 10	552	5300
L9200E:7375N	201	202	90	0.01	303	1660	18	6	7	245	0.02	< 10	10	951	< 10	1690	3800
L9200E:7400N	201	202	91	< 0.01	178	1600	16	6	4	255	0.01	< 10	10	779	< 10	948	9000
L9200E:7425N	201	202	54	< 0.01	575	1510	10	6	7	249	0.01	< 10	20	702	< 10	3360	3200
L9200E:7450N	201	202	88	< 0.01	789	1940	14	4	7	724	0.05	10	30	1415	< 10	2560	5500
L9200E:7475N	201	202	105	< 0.01	546	2000	10	2	3	785	0.04	10	10	1230	< 10	906	2500
L9200E:7500N	201	202	52	< 0.01	345	1140	10	6	3	291	0.01	< 10	10	716	< 10	892	3200
L9200E:7525N	201	202	57	< 0.01	578	1420	10	< 2	5	253	0.01	< 10	10	994	< 10	1980	4200
L9200E:7550N	201	202	130	< 0.01	366	1160	18	10	5	247	0.01	10	10	1020	< 10	934	2900
L9200E:7600N	201	202	124	< 0.01	808	1690	16	6	7	215	0.03	< 10	20	1515	< 10	2970	6300
L9200E:7650N	201	202	88	< 0.01	479	990	12	2	6	252	0.05	< 10	10	1255	< 10	1245	5400
L9200E:7700N	201	202	32	< 0.01	70	1120	6	2	3	206	0.01	< 10	< 10	525	< 10	386	>10000
L9200E:7750N	201	202	17	< 0.01	83	1880	8	2	1	435	< 0.01	< 10	< 10	276	< 10	416	>10000
L9200E:7800N	201	202	22	0.01	117	2000	8	6	4	363	0.04	< 10	< 10	509	< 10	632	>10000
L9200E:7850N	201	202	88	0.01	164	3500	16	6	7	262	0.09	< 10	20	1235	< 10	330	>10000
L9200E:7900N	201	202	16	< 0.01	68	1110	10	< 2	2	110	0.04	< 10	< 10	269	< 10	432	>10000
L9200E:7950N	201	202	23	< 0.01	90	1550	8	< 2	5	61	0.06	< 10	< 10	371	< 10	414	5500
L9200E:8000N	201	202	37	0.01	183	2110	12	8	4	172	0.03	< 10	10	495	< 10	818	5300
L9200E:8050N	201	202	62	0.01	201	3930	12	2	4	316	0.01	< 10	10	825	< 10	1075	3400
L9200E:8100N	201	202	165	0.02	54	1750	36	12	4	160	0.03	< 10	10	1145	< 10	164	5000
L9200E:8150N	201	202	37	0.01	224	2850	10	2	5	299	0.04	< 10	10	545	< 10	1025	2100
L9200E:8200N	201	202	15	< 0.01	35	1140	10	2	2	91	0.02	< 10	< 10	397	< 10	120	2100
L9200E:8250N	201	202	81	0.03	55	1590	26	10	7	215	0.05	< 10	< 10	696	< 10	186	2200
L9400E:7250N	201	202	58	0.01	31	1930	18	12	3	252	0.01	< 10	< 10	543	< 10	106	>10000
L9400E:7300N	201	202	58	0.01	38	1450	18	4	2	229	0.01	< 10	< 10	497	< 10	120	>10000
L9400E:7350N	201	202	35	< 0.01	16	1150	20	2	1	232	0.01	< 10	< 10	389	< 10	54	>10000
L9400E:7400N	201	202	179	0.03	179	1910	46	10	8	433	0.01	10	< 10	1580	< 10	470	3700
L9400E:7450N	201	202	233	0.03	278	2800	34	10	12	562	0.01	10	20	1220	< 10	620	4600
L9400E:7475N	201	202	21	0.03	362	500	10	< 2	9	1005	0.01	< 10	10	627	< 10	2050	>10000
L9400E:7500N	201	202	98	0.01	298	3210	24	10	7	373	0.02	< 10	20	1070	< 10	1080	>10000

CERTIFICATION: Ian Bielle

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L9400E:7525N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:7550N	201	202	10	1.0	1.22	54	320	0.5	< 2	0.15	7.0	3	66	95	2.90	< 10	< 1	0.15	10	0.14	60
L9400E:7575N	201	202	< 5	0.6	1.34	52	4840	0.5	< 2	0.58	13.0	6	68	115	2.09	< 10	< 1	0.14	10	0.08	70
L9400E:7600N	201	202	< 5	1.4	0.63	44	220	0.5	< 2	0.30	3.5	1	46	108	2.18	< 10	< 1	0.20	10	0.13	70
L9400E:7625N	201	202	10	0.8	0.94	32	560	1.0	< 2	0.33	4.0	1	62	120	1.41	< 10	< 1	0.14	10	0.03	35
L9400E:7650N	201	202	10	1.6	0.90	24	510	1.0	< 2	0.64	6.0	3	67	88	1.90	< 10	< 1	0.17	10	0.12	220
L9400E:7675N	201	202	5	1.2	1.08	54	280	0.5	< 2	0.41	7.0	5	61	86	2.82	< 10	< 1	0.22	20	0.16	370
L9400E:7700N	201	202	< 5	0.6	0.70	20	1130	0.5	< 2	0.04	2.0	1	28	61	1.05	< 10	< 1	0.07	10	0.02	30
L9400E:7750N	201	202	15	1.2	0.83	64	240	< 0.5	< 2	0.12	3.5	3	44	53	3.81	< 10	< 1	0.24	10	0.18	160
L9400E:7800N	201	202	10	1.4	0.94	30	420	< 0.5	< 2	0.05	1.5	1	58	63	2.70	< 10	< 1	0.14	10	0.13	65
L9400E:7850N	201	202	< 5	< 0.2	0.87	20	600	< 0.5	< 2	0.04	< 0.5	3	27	20	2.14	< 10	< 1	0.06	10	0.10	90
L9400E:7900N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:7950N	201	202	5	0.2	1.52	8	850	< 0.5	< 2	0.08	0.5	4	38	28	2.61	< 10	< 1	0.08	10	0.22	145
L9400E:8000N	201	202	5	1.4	2.04	76	290	0.5	< 2	0.24	3.5	5	107	139	5.20	< 10	< 1	0.21	10	0.40	140
L9400E:8050N	201	202	5	1.2	2.41	36	860	0.5	< 2	0.21	1.5	6	72	56	3.97	< 10	< 1	0.10	10	0.41	170
L9400E:8100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:8135N	201	202	5	1.4	0.56	10	860	< 0.5	< 2	0.15	1.0	1	42	16	4.73	< 10	< 1	0.11	10	0.10	60
L9400E:8200N	201	202	5	0.6	1.24	60	520	< 0.5	< 2	0.05	1.0	4	43	52	4.14	< 10	< 1	0.23	20	0.29	105
L9400E:8250N	201	202	< 5	0.6	2.26	36	670	0.5	< 2	0.12	1.5	10	41	44	3.64	< 10	< 1	0.11	10	0.55	225
L9400E:8300N	201	202	10	1.4	1.56	26	930	< 0.5	< 2	0.17	1.0	2	58	44	3.01	< 10	< 1	0.06	10	0.27	60
L9400E:8350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :4-B
Total Pages :4
Certificate Date: 10-JUN-98
Invoice No. :I9820820
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820820

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	Ba ppm
L9400E:7525N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:7550N	201	202	50	< 0.01	99	1690	20	6	4	291	0.06	< 10	10	653	< 10	426	>10000
L9400E:7575N	201	202	62	< 0.01	245	2160	12	6	8	264	0.12	< 10	10	1350	< 10	926	>10000
L9400E:7600N	201	202	75	0.01	77	840	16	6	4	168	0.01	< 10	< 10	504	< 10	168	>10000
L9400E:7625N	201	202	39	< 0.01	91	2040	8	4	5	188	0.03	< 10	< 10	648	< 10	174	>10000
L9400E:7650N	201	202	31	< 0.01	100	2220	10	4	6	240	0.02	< 10	< 10	636	< 10	436	>10000
L9400E:7675N	201	202	86	< 0.01	131	1380	18	8	5	210	0.03	< 10	< 10	798	< 10	518	>10000
L9400E:7700N	201	202	32	< 0.01	39	860	10	4	1	98	< 0.01	< 10	< 10	358	< 10	96	>10000
L9400E:7750N	201	202	28	0.03	20	2090	16	10	4	172	0.01	< 10	< 10	290	< 10	98	3500
L9400E:7800N	201	202	37	< 0.01	12	1610	14	4	3	233	0.02	< 10	< 10	416	< 10	42	>10000
L9400E:7850N	201	202	18	< 0.01	15	600	10	2	1	29	0.04	< 10	< 10	232	< 10	60	1600
L9400E:7900N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:7950N	201	202	18	< 0.01	19	900	12	4	1	39	0.04	< 10	< 10	204	< 10	82	2100
L9400E:8000N	201	202	77	0.01	125	4520	12	10	5	248	0.03	< 10	10	687	< 10	310	4000
L9400E:8050N	201	202	25	< 0.01	64	1320	10	8	4	65	0.08	< 10	< 10	656	< 10	276	1760
L9400E:8100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L9400E:8135N	201	202	100	< 0.01	33	830	10	6	1	63	0.03	< 10	< 10	680	< 10	380	2200
L9400E:8200N	201	202	84	0.01	106	880	18	8	4	152	0.02	< 10	< 10	775	< 10	388	2100
L9400E:8250N	201	202	22	< 0.01	57	580	14	2	5	67	0.05	< 10	< 10	281	< 10	212	2000
L9400E:8300N	201	202	17	< 0.01	18	1600	12	8	3	92	0.04	< 10	< 10	299	< 10	64	6500
L9400E:8350N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hart Bielle

Chemex Labs Ltd.

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Project : BLK 98-03
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Page Number :1-A
Total Pages :5
Certificate Date: 24-JUL-98
Invoice No. :19824697
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824697

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L8600E 7575N	217	232	< 5	>10000	0.2	0.45	30	1400	0.5	< 2	0.32	4.5	1	152	34	1.11	< 10	< 1	0.10	10	0.06
L8600E 7625N	217	232	< 5	2680	0.6	0.75	44	870	0.5	< 2	0.21	4.5	6	136	47	2.37	< 10	< 1	0.20	10	0.24
L8600E 7675N	201	202	< 5	5600	0.2	0.84	38	810	0.5	< 2	0.56	5.5	9	29	51	2.14	< 10	< 1	0.12	20	0.30
L8600E 7725N	217	232	< 5	1600	0.2	0.61	18	560	< 0.5	< 2	0.02	< 0.5	3	114	22	1.30	< 10	< 1	0.10	10	0.07
L8600E 7775N	217	232	< 5	1840	0.6	0.74	20	730	< 0.5	< 2	0.21	3.0	5	146	26	1.45	< 10	< 1	0.15	10	0.16
L8600E 8025N	217	232	< 5	7400	2.0	0.70	50	190	< 0.5	2	0.24	0.5	2	208	46	3.98	< 10	< 1	0.23	10	0.13
L8600E 8075N	217	232	< 5	>10000	1.0	0.87	46	1040	0.5	< 2	0.72	14.0	10	155	71	2.25	< 10	< 1	0.18	20	0.35
L8600E 8125N	201	202	< 5	8800	1.4	0.65	36	2190	< 0.5	< 2	0.27	4.0	2	43	32	1.12	< 10	< 1	0.09	30	0.16
L8600E 8175N	217	232	< 5	4200	0.8	0.76	36	1600	< 0.5	< 2	0.74	4.0	2	127	42	1.71	< 10	< 1	0.13	10	0.15
L8600E 8225N	201	202	< 5	5000	0.8	1.48	42	1970	< 0.5	< 2	0.39	2.0	9	47	47	2.59	< 10	< 1	0.07	10	0.66
L8600E 8275N	201	202	< 5	7400	1.0	1.43	50	1480	0.5	< 2	0.35	4.5	20	73	59	4.21	< 10	< 1	0.14	20	0.77
L8600E 8325N	201	202	< 5	5200	1.0	0.88	50	1790	0.5	< 2	4.97	10.0	10	44	76	1.59	< 10	< 1	0.09	10	3.41
L8600E 8375N	201	202	< 5	3760	0.6	1.79	50	870	0.5	< 2	0.16	4.0	7	44	117	4.80	< 10	< 1	0.21	20	0.66
L8600E 8425N	217	232	< 5	880	0.2	0.59	10	620	< 0.5	< 2	0.74	5.5	1	34	56	0.82	< 10	< 1	0.05	< 10	0.09
L8600E 8475N	217	232	< 5	6400	0.6	0.95	36	1120	0.5	< 2	0.25	7.0	9	91	60	2.29	< 10	< 1	0.21	10	0.24
L8600E 8525N	201	202	< 5	>10000	1.0	2.06	48	530	0.5	< 2	0.78	16.0	19	54	114	4.02	10	< 1	0.22	30	0.67
L8600E 8725N	201	202	< 5	1720	0.2	1.78	22	390	< 0.5	< 2	0.16	0.5	6	32	21	2.84	< 10	< 1	0.07	10	0.38
L8600E 8775N	201	202	< 5	2000	0.2	1.41	6	630	< 0.5	< 2	0.52	0.5	5	27	20	1.83	< 10	< 1	0.06	10	0.41
L8600E 8825N	217	232	< 5	2480	0.4	0.58	32	710	< 0.5	< 2	0.02	2.0	1	109	43	2.12	< 10	< 1	0.19	10	0.12
L8600E 8825N MH1	201	202	< 5	2120	1.4	0.57	78	140	< 0.5	2	0.02	4.0	2	34	65	9.04	< 10	< 1	0.54	30	0.13
L8600E 8850N MH2	201	202	< 5	2520	0.8	1.77	98	160	0.5	2	0.43	6.5	8	56	148	7.51	< 10	< 1	0.50	10	1.07
L8600E 8875N	217	232	< 5	2360	0.2	0.65	30	890	0.5	< 2	0.09	2.5	4	127	46	1.68	< 10	< 1	0.14	10	0.24
L8600E 9275N	217	232	5	>10000	1.6	0.29	22	210	< 0.5	< 2	0.05	1.0	1	138	20	2.03	< 10	< 1	0.19	10	0.03
L8600E 9325N	201	202	< 5	5400	2.0	0.36	24	790	< 0.5	< 2	3.01	18.0	4	136	75	1.03	< 10	< 1	0.06	10	0.29
L8600E 9375N	217	232	< 5	1360	1.6	0.53	22	550	< 0.5	< 2	3.61	15.0	3	100	53	0.77	< 10	< 1	0.11	< 10	0.26
L8600E 9425N	201	202	< 5	4200	4.0	0.84	40	1500	0.5	< 2	0.98	7.0	4	117	65	1.54	< 10	< 1	0.08	20	0.21
L8600E 9475N	201	202	< 5	2040	0.4	1.20	8	730	< 0.5	< 2	0.13	5.0	3	50	25	1.50	< 10	< 1	0.06	10	0.21
L8600E 9525N	201	202	< 5	2520	2.8	0.67	22	440	0.5	< 2	3.14	45.0	3	33	115	0.94	< 10	< 1	0.05	10	0.24
L8600E 9575N	201	202	45	5400	3.6	0.81	64	1160	1.0	< 2	0.87	24.0	6	196	117	1.72	< 10	< 1	0.13	30	0.36
L8600E 9625N	201	202	< 5	3440	5.6	0.82	28	480	0.5	< 2	2.68	26.0	4	78	117	1.20	< 10	< 1	0.09	10	0.33
L8600E 9675N	201	202	< 5	8000	4.4	1.07	38	1220	1.0	< 2	2.50	35.0	7	122	128	1.32	< 10	< 1	0.13	20	0.42
L8700E 8650N	201	202	< 5	1920	1.2	1.60	52	720	< 0.5	< 2	0.10	1.5	5	45	55	4.24	< 10	< 1	0.12	10	0.34
L8700E 8700N	201	202	< 5	4800	0.8	1.47	64	1270	1.0	< 2	1.97	20.0	25	52	126	3.29	< 10	< 1	0.20	30	1.29
L8700E 8725N	217	232	5	3480	1.0	1.04	76	710	0.5	< 2	0.17	6.5	10	98	75	3.96	< 10	< 1	0.24	30	0.38
L8700E 8750N	217	232	< 5	2120	0.2	0.61	30	640	< 0.5	< 2	0.06	1.0	5	84	34	1.56	< 10	< 1	0.14	10	0.18
L8700E 8775N	201	202	< 5	720	1.2	1.54	66	710	0.5	2	0.26	22.0	11	36	505	9.32	< 10	< 1	0.13	< 10	0.96
L8700E 8800N	201	202	< 5	2000	0.8	1.62	58	300	0.5	< 2	0.17	3.0	7	49	138	5.47	< 10	< 1	0.27	10	0.49
L8700E 8825N	217	232	< 5	4400	0.4	0.72	34	1220	0.5	< 2	0.18	5.0	7	175	50	1.78	< 10	< 1	0.16	10	0.21
L8700E 8850N	201	202	< 5	>10000	< 0.2	0.56	164	>10000	< 0.5	< 2	0.90	12.0	10	19	31	1.13	< 10	< 1	0.05	< 10	0.14
L8700E 8875N	217	232	< 5	>10000	< 0.2	0.24	78	7170	< 0.5	< 2	0.47	7.5	6	25	14	0.64	< 10	< 1	0.02	< 10	0.05

CERTIFICATION: Stewart Buchan

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L8600E 7575N	217	232	25	32	< 0.01	49	480	6	2	1	128	< 0.01	< 10	< 10	416	< 10	178
L8600E 7625N	217	232	120	55	0.01	122	700	10	2	4	117	< 0.01	< 10	< 10	454	< 10	438
L8600E 7675N	201	202	175	57	0.01	191	1720	10	2	2	181	< 0.01	< 10	< 10	506	< 10	664
L8600E 7725N	217	232	40	30	< 0.01	52	200	8	< 2	1	11	0.01	< 10	< 10	342	< 10	136
L8600E 7775N	217	232	65	26	0.01	71	860	6	< 2	1	35	0.01	< 10	< 10	271	< 10	202
L8600E 8025N	217	232	25	25	0.01	27	1760	12	4	1	169	< 0.01	< 10	< 10	467	< 10	72
L8600E 8075N	217	232	190	50	< 0.01	147	1530	10	2	4	186	0.01	< 10	< 10	798	< 10	964
L8600E 8125N	201	202	40	19	< 0.01	44	780	10	4	1	71	< 0.01	< 10	< 10	460	< 10	266
L8600E 8175N	217	232	50	24	0.01	43	880	6	2	1	110	< 0.01	< 10	< 10	324	< 10	126
L8600E 8225N	201	202	145	25	< 0.01	82	1260	10	< 2	4	119	0.03	< 10	< 10	267	< 10	404
L8600E 8275N	201	202	580	37	< 0.01	131	1910	14	2	4	160	0.03	< 10	< 10	442	< 10	700
L8600E 8325N	201	202	460	47	0.01	330	1030	8	< 2	5	360	0.02	< 10	10	771	< 10	1490
L8600E 8375N	201	202	125	91	0.01	188	1440	18	6	6	219	0.03	< 10	< 10	718	< 10	794
L8600E 8425N	217	232	20	26	0.01	46	980	< 2	14	2	65	0.01	< 10	< 10	89	< 10	68
L8600E 8475N	217	232	165	52	< 0.01	174	570	12	4	4	115	< 0.01	< 10	< 10	497	< 10	862
L8600E 8525N	201	202	645	115	< 0.01	370	1930	18	4	7	198	0.03	< 10	10	957	< 10	1515
L8600E 8725N	201	202	235	17	< 0.01	29	630	12	< 2	3	35	0.05	< 10	< 10	229	< 10	158
L8600E 8775N	201	202	90	7	< 0.01	29	680	8	< 2	4	51	0.04	< 10	< 10	114	< 10	142
L8600E 8825N	217	232	15	53	< 0.01	45	550	14	4	2	94	< 0.01	< 10	< 10	460	< 10	138
L8600E 8825N MH1	201	202	20	264	< 0.01	21	1310	46	16	5	284	0.01	20	< 10	963	< 10	158
L8600E 8850N MH2	201	202	145	174	< 0.01	208	2660	32	2	10	370	0.02	10	10	1240	< 10	706
L8600E 8875N	217	232	75	49	< 0.01	74	460	8	2	3	73	< 0.01	< 10	< 10	373	< 10	252
L8600E 9275N	217	232	10	28	< 0.01	16	470	12	2	1	70	0.05	< 10	< 10	415	< 10	110
L8600E 9325N	201	202	100	13	< 0.01	192	1710	2	6	3	258	0.05	< 10	10	595	< 10	1190
L8600E 9375N	217	232	55	22	0.01	126	850	6	14	1	236	0.01	< 10	10	885	< 10	508
L8600E 9425N	201	202	35	21	< 0.01	117	1350	8	2	1	125	0.01	< 10	< 10	805	< 10	632
L8600E 9475N	201	202	85	11	< 0.01	51	430	6	< 2	1	27	0.03	< 10	< 10	500	< 10	444
L8600E 9525N	201	202	120	26	0.01	355	1270	6	6	2	266	0.01	< 10	< 10	502	< 10	3380
L8600E 9575N	201	202	90	51	< 0.01	227	1550	14	6	6	160	0.01	< 10	< 10	2030	< 10	2150
L8600E 9625N	201	202	120	28	< 0.01	248	1520	6	6	4	243	0.02	< 10	< 10	870	< 10	2050
L8600E 9675N	201	202	165	21	0.01	324	1980	8	4	6	328	0.03	< 10	10	1110	< 10	2570
L8700E 8650N	201	202	115	63	< 0.01	86	1340	16	2	4	121	0.04	< 10	< 10	641	< 10	360
L8700E 8700N	201	202	370	75	0.01	683	2370	16	2	8	264	< 0.01	< 10	10	917	< 10	3400
L8700E 8725N	217	232	145	127	0.01	234	780	16	8	4	103	< 0.01	10	< 10	698	< 10	1125
L8700E 8750N	217	232	55	41	< 0.01	100	320	8	2	2	24	< 0.01	< 10	< 10	381	< 10	328
L8700E 8775N	201	202	385	62	< 0.01	388	1060	18	8	25	119	< 0.01	< 10	10	1160	< 10	2490
L8700E 8800N	201	202	145	126	< 0.01	169	2000	18	6	4	210	0.02	10	< 10	839	< 10	486
L8700E 8825N	217	232	130	50	< 0.01	119	600	8	2	3	89	< 0.01	< 10	< 10	536	< 10	474
L8700E 8850N	201	202	315	17	< 0.01	238	1100	2	< 2	1	334	0.01	< 10	< 10	304	< 10	1350
L8700E 8875N	217	232	200	16	< 0.01	148	410	< 2	< 2	< 1	325	< 0.01	< 10	< 10	185	< 10	538

CERTIFICATION: Stewart Buchler

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L8700E 8900N	201	202	< 5	3440	< 0.2	2.44	52	460	2.0	< 2	5.12	64.0	30	46	604	3.22	< 10	< 1	0.21	10	4.35
L8700E 8925N	217	232	< 5	1080	0.2	0.32	6	340	< 0.5	< 2	4.33	6.0	3	15	29	0.45	< 10	< 1	0.04	< 10	0.14
L8700E 8950N	217	232	< 5	3480	0.6	0.42	10	440	< 0.5	< 2	4.34	6.5	3	51	32	0.55	< 10	< 1	0.07	< 10	0.35
L8700E 8975N	217	232	< 5	3600	0.4	0.44	24	840	0.5	< 2	2.70	6.5	4	95	41	0.85	< 10	< 1	0.08	10	0.18
L8700E 9000N	217	232	< 5	5800	0.8	0.55	8	460	0.5	< 2	1.11	6.0	4	126	38	0.90	< 10	< 1	0.08	10	0.08
L8700E 9025N	217	232	< 5	4000	0.6	0.55	30	1700	0.5	< 2	1.19	13.0	5	146	48	1.06	< 10	< 1	0.09	10	0.15
L8700E 9050N	201	202	< 5	9200	5.8	1.11	88	2840	1.5	< 2	1.09	28.0	8	216	153	2.29	< 10	< 1	0.15	30	0.83
L8700E 9075N	201	202	< 5	7200	3.8	1.00	56	2080	1.0	< 2	1.29	24.5	7	140	126	1.73	< 10	< 1	0.12	30	0.72
L8700E 9100N	201	202	< 5	7400	4.2	0.86	74	1510	1.5	< 2	2.01	32.5	10	224	176	1.98	< 10	< 1	0.13	30	1.00
L8700E 9125N	201	202	< 5	5200	2.6	0.60	34	730	0.5	< 2	2.90	20.5	6	147	93	1.41	< 10	< 1	0.08	10	0.55
L8700E 9150N	201	202	5	6000	3.2	0.89	42	560	1.0	< 2	1.67	15.5	8	193	131	2.84	< 10	< 1	0.15	20	0.69
L8700E 9175N	217	232	< 5	6000	1.0	0.36	22	340	< 0.5	< 2	2.33	1.5	1	77	20	1.38	< 10	< 1	0.13	< 10	0.22
L8700E 9200N	217	232	< 5	3320	0.8	0.40	8	300	< 0.5	< 2	2.72	2.5	1	64	42	0.94	< 10	< 1	0.10	< 10	0.13
L8700E 9225N	201	202	20	2920	2.6	0.56	86	80	< 0.5	2	0.10	1.5	4	43	72	6.24	< 10	< 1	0.35	20	0.09
L8700E 9250N	217	232	< 5	8600	2.0	0.59	58	120	< 0.5	< 2	0.03	1.5	1	137	45	3.55	< 10	< 1	0.27	10	0.05
L8700E 9300N	201	202	< 5	10000	2.2	1.14	48	1820	0.5	< 2	0.24	6.0	4	224	74	2.15	< 10	< 1	0.08	30	0.25
L8700E 9325N	201	202	< 5	9600	2.6	1.02	54	2050	1.0	< 2	1.46	8.0	8	228	102	1.83	< 10	< 1	0.08	20	0.47
L8700E 9350N	201	202	< 5	7200	2.0	0.96	56	2020	0.5	< 2	1.40	4.5	10	209	71	1.89	< 10	< 1	0.05	10	0.43
L8700E 9375N	201	202	< 5	920	0.6	0.29	8	580	< 0.5	< 2	3.09	4.5	< 1	14	45	0.39	< 10	< 1	0.01	< 10	0.15
L8700E 9400N	201	202	< 5	4200	2.0	0.49	28	770	0.5	< 2	2.42	4.0	5	158	52	1.08	< 10	< 1	0.04	10	0.32
L8700E 9425N	201	202	< 5	6000	2.2	0.51	18	530	0.5	< 2	2.14	8.0	3	86	73	0.94	< 10	< 1	0.05	10	0.16
L8700E 9450N	201	202	5	4400	5.4	0.96	60	890	1.0	< 2	1.95	25.0	8	179	122	1.75	< 10	< 1	0.15	20	0.69
L8700E 9475N	201	202	< 5	5800	3.8	1.02	56	1490	1.5	< 2	0.57	18.0	7	183	108	1.84	< 10	< 1	0.16	30	0.33
L8700E 9500N	201	202	5	9400	5.0	1.40	92	1600	1.5	< 2	1.95	43.5	15	161	172	2.57	< 10	< 1	0.20	40	0.65
L8700E 9525N	201	202	< 5	>10000	14.6	1.55	216	2310	2.5	2	5.76	125.0	23	377	526	2.94	10	< 1	0.32	50	0.53
L8700E 9550N	217	232	< 5	2160	3.0	0.65	34	1110	0.5	< 2	1.55	38.5	3	224	61	0.80	< 10	< 1	0.14	10	0.08
L8700E 9575N	217	232	< 5	3320	2.0	0.79	62	1010	0.5	< 2	0.68	29.0	7	255	90	1.39	< 10	< 1	0.17	20	0.32
L8700E 9600N	201	202	< 5	>10000	2.6	0.76	32	200	0.5	< 2	0.67	2.5	1	54	73	1.62	< 10	< 1	0.14	10	0.06
L8700E 9625N	217	232	< 5	>10000	2.0	0.65	30	120	0.5	< 2	0.09	0.5	3	149	71	2.51	< 10	< 1	0.22	10	0.08
L8700E 9650N	217	232	10	>10000	1.6	1.12	52	580	0.5	< 2	0.12	9.5	3	143	135	2.75	< 10	< 1	0.17	10	0.08
L8700E 9675N	201	202	20	>10000	2.8	0.28	34	390	< 0.5	< 2	< 0.01	0.5	< 1	31	56	1.74	< 10	< 1	0.20	10	0.03
L8700E 9700N	201	202	5	6800	1.2	0.34	22	790	< 0.5	< 2	0.26	3.5	1	13	31	1.16	< 10	< 1	0.15	10	0.03
L8700E 9800N	201	202	< 5	1520	1.2	1.15	10	550	< 0.5	< 2	0.02	< 0.5	1	22	17	1.60	< 10	< 1	0.07	20	0.09
L8800E 7475N	201	202	< 5	6600	1.4	1.35	20	650	< 0.5	< 2	0.18	2.0	3	42	48	2.25	< 10	< 1	0.07	10	0.21
L8800E 7525N	201	202	< 5	2520	1.0	1.73	48	130	0.5	< 2	0.30	5.0	6	49	82	4.04	< 10	< 1	0.21	20	0.57
L8800E 7575N	201	202	< 5	2520	1.6	1.87	22	590	0.5	< 2	0.65	9.0	16	56	84	2.43	< 10	< 1	0.12	20	0.70
L8800E 7625N	201	202	< 5	3360	1.2	1.36	30	820	1.0	< 2	1.51	13.5	13	66	105	1.88	< 10	< 1	0.11	20	0.88
L8800E 7675N	201	202	< 5	4400	0.8	1.45	36	1160	0.5	< 2	0.92	5.5	14	48	77	2.60	< 10	< 1	0.11	20	0.55
L8800E 7725N	217	232	< 5	2600	0.2	0.40	24	560	0.5	< 2	2.15	3.0	3	125	39	0.88	< 10	< 1	0.09	10	0.23
L8800E 7775N	201	202	< 5	5000	0.6	1.45	32	1120	0.5	< 2	1.08	5.5	11	44	67	2.48	< 10	< 1	0.11	10	0.54

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :2-B
Total Pages :5
Certificate Date: 24-JUL-98
Invoice No. :I9824697
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824697

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
L8700E 8900N	201	202	1060	53	0.01	954	1500	14	< 2	26	511	0.01	< 10	20	1455	< 10	4780
L8700E 8925N	217	232	245	13	0.01	48	940	2	4	1	464	< 0.01	< 10	< 10	142	< 10	190
L8700E 8950N	217	232	210	17	0.01	111	810	2	2	1	528	0.01	< 10	< 10	411	< 10	448
L8700E 8975N	217	232	120	40	< 0.01	165	590	2	2	1	405	0.01	< 10	10	659	< 10	360
L8700E 9000N	217	232	30	31	< 0.01	120	620	2	2	2	168	0.02	< 10	< 10	533	< 10	270
L8700E 9025N	217	232	120	43	< 0.01	184	380	6	2	3	175	0.02	< 10	< 10	948	< 10	682
L8700E 9050N	201	202	115	77	< 0.01	482	2590	12	2	9	261	0.12	< 10	10	2730	< 10	3920
L8700E 9075N	201	202	135	50	0.01	425	1560	8	< 2	8	227	0.11	< 10	10	2100	< 10	3200
L8700E 9100N	201	202	175	54	0.01	448	2430	14	4	8	289	0.06	< 10	10	2220	< 10	3260
L8700E 9125N	201	202	165	10	< 0.01	250	1820	8	2	3	289	0.02	< 10	< 10	879	< 10	1550
L8700E 9150N	201	202	150	23	< 0.01	288	2330	12	2	7	406	0.04	< 10	< 10	1310	< 10	1970
L8700E 9175N	217	232	115	11	0.01	14	710	8	6	1	338	< 0.01	< 10	< 10	127	< 10	132
L8700E 9200N	217	232	310	10	0.01	50	830	4	12	1	287	< 0.01	< 10	< 10	119	< 10	76
L8700E 9225N	201	202	105	39	< 0.01	36	1190	30	16	3	279	< 0.01	< 10	< 10	335	< 10	250
L8700E 9250N	217	232	30	54	< 0.01	19	770	18	6	2	164	0.01	< 10	< 10	372	< 10	112
L8700E 9300N	201	202	65	13	< 0.01	89	1380	8	< 2	3	87	0.02	< 10	< 10	705	< 10	438
L8700E 9325N	201	202	210	15	< 0.01	226	2190	8	2	5	278	0.02	< 10	< 10	680	< 10	952
L8700E 9350N	201	202	315	10	0.01	179	2370	6	2	4	278	0.01	< 10	< 10	532	< 10	890
L8700E 9375N	201	202	15	3	0.01	67	880	< 2	4	< 1	215	< 0.01	< 10	10	43	< 10	140
L8700E 9400N	201	202	180	9	0.01	113	1880	2	6	1	250	0.01	< 10	< 10	313	< 10	466
L8700E 9425N	201	202	45	16	< 0.01	156	1250	4	4	2	213	0.01	< 10	< 10	388	< 10	520
L8700E 9450N	201	202	165	45	< 0.01	303	1670	10	8	6	273	0.02	< 10	10	1710	< 10	2770
L8700E 9475N	201	202	75	41	< 0.01	170	1680	10	6	3	216	0.02	< 10	< 10	1820	< 10	1110
L8700E 9500N	201	202	255	96	< 0.01	560	4520	14	8	9	633	0.06	< 10	10	2570	< 10	4520
L8700E 9525N	201	202	470	169	0.06	1215	4190	32	20	14	828	0.20	10	10	6420	< 10	< 10
L8700E 9550N	217	232	100	39	0.01	117	850	6	6	< 1	266	< 0.01	< 10	10	1650	< 10	1305
L8700E 9575N	217	232	235	66	< 0.01	195	910	8	2	4	118	0.02	< 10	< 10	2330	< 10	1825
L8700E 9600N	201	202	15	27	< 0.01	50	2020	12	10	< 1	401	< 0.01	< 10	10	318	< 10	98
L8700E 9625N	217	232	35	27	< 0.01	43	1100	8	2	3	195	< 0.01	< 10	< 10	396	< 10	228
L8700E 9650N	217	232	35	26	< 0.01	79	1830	8	4	3	214	< 0.01	< 10	10	405	< 10	364
L8700E 9675N	201	202	< 5	40	< 0.01	16	600	18	8	1	174	< 0.01	< 10	< 10	213	< 10	18
L8700E 9700N	201	202	10	19	< 0.01	23	520	12	2	< 1	105	< 0.01	< 10	< 10	85	< 10	62
L8700E 9800N	201	202	30	17	< 0.01	9	300	6	< 2	1	12	0.01	< 10	< 10	189	< 10	32
L8800E 7475N	201	202	50	14	< 0.01	32	1790	8	< 2	< 1	72	0.01	< 10	< 10	257	< 10	122
L8800E 7525N	201	202	120	95	0.01	189	1740	22	< 2	2	139	0.02	< 10	< 10	756	< 10	758
L8800E 7575N	201	202	485	51	< 0.01	280	1830	14	< 2	4	102	0.04	< 10	10	662	< 10	996
L8800E 7625N	201	202	305	44	< 0.01	549	1410	8	< 2	6	203	0.04	< 10	20	1105	< 10	2230
L8800E 7675N	201	202	340	42	< 0.01	340	1100	10	< 2	6	139	0.04	< 10	10	643	< 10	1290
L8800E 7725N	217	232	70	41	< 0.01	151	570	4	< 2	2	265	0.01	< 10	< 10	839	< 10	348
L8800E 7775N	201	202	280	29	< 0.01	278	1250	8	< 2	6	188	0.05	< 10	10	408	< 10	850

CERTIFICATION: Stewart Bichler *+

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
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Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 24-JUL-98
Invoice No. : I9824697
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Account : EIA

CERTIFICATE OF ANALYSIS A9824697

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L8800E 7825N	201	202	< 5	2440	1.6	2.77	78	240	1.0	< 2	0.10	3.5	6	87	153	6.11	< 10	< 1	0.23	10	1.33
L8800E 8025N	201	202	< 10	1440	1.2	0.98	64	460	< 0.5	< 2	0.04	1.0	4	36	34	3.78	< 10	< 1	0.21	30	0.24
L8800E 8075N	201	202	< 5	1960	1.6	2.06	106	220	1.0	< 2	1.46	11.0	23	50	166	6.02	< 10	< 1	0.20	10	1.41
L8800E 8125N	201	202	< 5	5800	2.4	1.46	58	830	1.0	< 2	1.57	14.5	12	73	81	3.68	< 10	< 1	0.30	10	0.70
L8800E 9425N	201	202	< 5	>10000	2.4	0.76	38	490	0.5	< 2	1.09	10.5	6	99	90	1.73	< 10	< 1	0.14	20	0.28
L8800E 9475N	201	202	< 5	5000	6.6	0.96	66	1610	0.5	< 2	1.72	23.0	3	133	64	1.64	< 10	< 1	0.14	30	0.11
L8800E 9525N	201	202	< 5	8000	13.0	1.45	98	1030	1.5	2	2.52	168.0	11	195	382	1.97	< 10	< 1	0.20	40	0.68
L9000E 7625N	201	202	< 5	5800	2.6	0.93	68	700	2.0	< 2	4.52	34.5	14	156	164	2.21	10	< 1	0.14	10	1.61
L9000E 7725N	201	202	5	7000	6.6	2.33	86	840	2.0	< 2	1.39	61.0	17	172	210	2.86	10	< 1	0.16	30	0.66
L9000E 7775N	201	202	< 5	6800	3.6	1.57	58	1100	1.5	< 2	1.53	52.0	13	141	202	2.32	< 10	< 1	0.10	20	0.88
L9000E 7825N	201	202	5	2320	1.6	1.41	118	70	0.5	2	0.09	4.5	7	84	97	7.15	< 10	< 1	0.36	< 10	0.59
L9000E 7875N	201	202	< 5	2360	0.4	0.23	8	340	< 0.5	< 2	1.62	1.5	< 1	11	24	0.71	< 10	< 1	0.05	< 10	0.07
L9000E 7925N	217	232	< 5	2160	0.6	0.73	30	670	0.5	< 2	0.04	1.5	3	133	43	1.94	< 10	< 1	0.16	10	0.22
L9000E 7975N	217	232	< 5	2440	0.8	0.79	30	730	< 0.5	< 2	0.04	2.0	2	125	45	2.21	< 10	< 1	0.15	10	0.18
L9000E 8025N	201	202	< 5	2040	1.0	1.09	26	630	< 0.5	< 2	0.04	2.0	3	27	35	2.29	< 10	< 1	0.11	10	0.17
L9000E 8175N	201	202	< 5	2640	0.8	2.06	64	650	0.5	< 2	0.87	16.5	30	43	170	4.59	< 10	< 1	0.17	10	0.62
L9000E 8225N	201	202	< 5	2600	0.8	1.42	44	640	0.5	< 2	1.59	28.5	21	35	151	2.87	< 10	< 1	0.15	10	1.18
L9000E 8275N	201	202	10	3680	1.0	1.22	60	660	0.5	< 2	3.12	3.5	6	31	80	2.59	< 10	< 1	0.17	20	2.78
L9000E 8825N MH3	201	202	< 5	4400	2.6	0.69	50	880	1.0	< 2	1.93	20.0	6	151	97	1.25	< 10	< 1	0.12	20	0.57
L9000E 8850N MH4	201	202	< 5	5000	2.8	0.78	70	1090	1.5	< 2	1.26	23.0	9	174	123	1.95	< 10	< 1	0.12	20	0.62
L9000E 8875N MH5	201	202	10	5200	2.4	0.75	58	1300	1.0	< 2	1.67	22.5	6	174	116	1.40	< 10	< 1	0.13	30	0.60
L9000E 9000N MH6	201	202	< 5	4400	0.4	0.66	36	1760	0.5	< 2	0.31	5.0	5	59	60	1.11	< 10	< 1	0.09	20	0.16
L9200E 7575N	201	202	< 5	2920	1.0	1.07	48	240	0.5	< 2	0.55	9.5	8	45	75	2.89	< 10	< 1	0.15	10	1.14
L9200E 7625N	201	202	< 5	6000	2.4	1.14	64	1650	1.5	< 2	4.92	12.0	13	82	158	2.13	< 10	< 1	0.17	30	1.15
L9200E 7675N	201	202	< 10	5400	1.6	0.61	28	370	< 0.5	< 2	0.05	1.5	1	38	32	2.01	< 10	< 1	0.11	10	0.11
L9200E 8825N MH7	201	202	< 5	9200	5.2	0.90	86	1150	1.5	< 2	2.91	43.5	6	189	202	1.80	10	< 1	0.16	30	0.66
L9200E 8850N MH8	201	202	< 5	6600	4.0	0.60	64	1670	1.0	< 2	3.68	30.0	5	129	103	1.16	< 10	< 1	0.09	10	1.79
L9200E 8875N MH9	201	202	< 5	2960	3.0	0.73	64	400	1.5	< 2	1.76	18.0	6	156	114	1.69	< 10	< 1	0.14	20	1.43
L9200E 8900NMH10	201	202	< 5	4000	6.4	0.80	80	890	1.0	< 2	2.77	50.0	7	170	173	1.73	< 10	< 1	0.15	20	0.79
L9200E 8925NMH11	201	202	< 5	5400	5.6	0.74	64	1420	1.5	< 2	2.68	20.5	9	396	186	1.95	< 10	< 1	0.11	30	1.17
L9200E 8950NMH12	201	202	5	>10000	4.2	0.71	66	1660	2.0	< 2	5.36	16.0	7	430	145	2.04	10	< 1	0.11	30	1.11
L9200E 8975NMH13	201	202	5	6400	2.2	1.17	54	240	1.0	< 2	1.84	25.5	5	96	131	4.02	< 10	< 1	0.19	10	0.93
L9200E 9000NMH14	217	232	< 5	>10000	2.2	0.45	28	600	< 0.5	< 2	0.01	1.0	1	228	31	1.87	< 10	< 1	0.13	20	0.03
L9200E 9050N	201	202	5	6200	2.2	0.47	30	250	< 0.5	< 2	0.01	0.5	1	40	23	2.87	< 10	< 1	0.21	20	0.04
L9200E 9100N	201	202	< 5	6400	1.0	0.57	42	210	< 0.5	< 2	0.17	4.0	3	41	48	3.33	< 10	< 1	0.23	10	0.06
L9200E 9150N	201	202	< 5	5200	1.6	1.04	58	340	0.5	< 2	0.42	2.0	6	75	62	3.71	< 10	< 1	0.13	20	0.32
L9200E 9200N	201	202	10	6000	1.4	1.37	54	1120	1.0	< 2	1.47	7.0	12	80	91	2.82	< 10	< 1	0.17	30	0.88
L9200E 9250N	201	202	< 5	3280	3.4	0.76	64	750	0.5	< 2	1.69	27.0	4	61	86	3.27	< 10	< 1	0.13	10	0.17
L9200E 9300N	201	202	25	2880	5.4	0.71	106	150	< 0.5	2	0.03	1.0	3	36	38	10.05	< 10	< 1	0.58	20	0.09
L9200E 9350N	201	202	25	2240	3.4	0.87	148	170	0.5	4	0.51	2.0	5	72	111	14.40	< 10	< 1	0.55	< 10	0.25

CERTIFICATION: Stewart Buchler

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L8800E 7825N	201	202	130	111	0.01	237	2890	24	2	7	345	0.03	10	20	1465	< 10	636
L8800E 8025N	201	202	40	125	< 0.01	45	790	22	4	2	65	0.01	< 10	< 10	805	< 10	240
L8800E 8075N	201	202	530	94	0.01	611	2000	18	10	9	218	0.01	< 10	30	541	< 10	1725
L8800E 8125N	201	202	275	48	< 0.01	234	2550	16	8	6	214	0.01	< 10	10	713	< 10	1430
L8800E 9425N	201	202	185	50	< 0.01	200	1130	8	4	4	161	0.01	< 10	< 10	908	< 10	942
L8800E 9475N	201	202	75	59	< 0.01	149	570	14	16	5	207	0.12	< 10	< 10	2910	< 10	1365
L8800E 9525N	201	202	295	101	0.03	690	2200	14	10	8	317	0.06	< 10	10	3990	< 10	9180
L9000E 7625N	201	202	220	99	0.01	505	1240	16	< 2	8	340	0.07	< 10	20	2350	< 10	2960
L9000E 7725N	201	202	435	90	0.01	679	1840	16	6	9	279	0.08	< 10	40	2960	< 10	5750
L9000E 7775N	201	202	250	40	0.01	612	1640	10	2	7	223	0.05	< 10	20	1490	< 10	5250
L9000E 7825N	201	202	190	169	0.03	243	2140	18	6	6	155	0.04	10	10	1420	< 10	784
L9000E 7875N	201	202	25	36	0.01	28	790	< 2	10	1	120	0.01	< 10	< 10	127	< 10	120
L9000E 7925N	217	232	40	54	< 0.01	74	570	10	2	2	70	< 0.01	< 10	< 10	410	< 10	244
L9000E 7975N	217	232	80	63	< 0.01	45	870	12	2	1	68	0.01	< 10	< 10	435	< 10	164
L9000E 8025N	201	202	45	52	< 0.01	44	1330	16	2	< 1	49	0.01	< 10	< 10	516	< 10	218
L9000E 8175N	201	202	670	84	< 0.01	647	1890	18	2	8	152	0.02	< 10	20	536	< 10	2130
L9000E 8225N	201	202	295	61	0.01	516	1470	12	4	5	211	0.01	< 10	10	618	< 10	2950
L9000E 8275N	201	202	290	80	0.01	175	1360	20	2	6	318	< 0.01	10	< 10	662	< 10	406
L9000E 8825N MH3	201	202	185	25	< 0.01	220	1310	10	4	4	190	0.02	< 10	10	1845	< 10	1930
L9000E 8850N MH4	201	202	130	56	< 0.01	248	1560	12	6	6	159	0.03	< 10	10	2380	< 10	2070
L9000E 8875N MH5	201	202	160	29	< 0.01	234	1820	12	2	6	214	0.04	< 10	10	2080	< 10	1900
L9000E 9000N MH6	201	202	40	30	< 0.01	230	530	8	< 2	4	95	0.01	< 10	10	1205	< 10	452
L9200E 7575N	201	202	120	106	0.01	423	1080	10	2	4	168	0.01	10	< 10	862	< 10	1190
L9200E 7625N	201	202	270	139	< 0.01	671	1830	16	4	7	589	0.05	< 10	10	2060	< 10	1700
L9200E 7675N	201	202	20	65	< 0.01	35	810	14	2	1	76	0.01	< 10	< 10	591	< 10	124
L9200E 8825N MH7	201	202	95	102	0.01	527	2620	16	6	9	458	0.12	< 10	10	3400	< 10	4660
L9200E 8850N MH8	201	202	235	35	0.01	282	1550	8	4	6	354	0.05	< 10	10	1540	< 10	2330
L9200E 8875N MH9	201	202	130	49	0.01	234	710	12	2	6	125	0.01	< 10	< 10	1975	< 10	1485
L9200E 8900NMH10	201	202	120	60	0.01	392	1150	14	6	7	191	0.05	< 10	10	2540	< 10	3400
L9200E 8925NMH11	201	202	240	27	< 0.01	442	2750	10	4	10	254	0.02	< 10	10	1255	< 10	2110
L9200E 8950NMH12	201	202	135	28	< 0.01	579	7110	12	6	10	809	0.10	< 10	10	1310	< 10	1920
L9200E 8975NMH13	201	202	485	37	< 0.01	125	2330	22	4	8	486	0.03	< 10	10	833	< 10	1130
L9200E 9000NMH14	217	232	20	41	< 0.01	11	360	18	2	1	54	0.11	< 10	< 10	635	< 10	48
L9200E 9050N	201	202	15	38	< 0.01	9	510	22	4	1	49	0.01	< 10	< 10	461	< 10	40
L9200E 9100N	201	202	45	47	0.01	40	1040	12	2	1	77	< 0.01	< 10	< 10	422	< 10	186
L9200E 9150N	201	202	125	52	< 0.01	129	1870	18	2	1	184	0.01	< 10	< 10	828	< 10	494
L9200E 9200N	201	202	365	60	< 0.01	465	2270	14	< 2	7	325	0.04	< 10	10	1350	< 10	1335
L9200E 9250N	201	202	125	53	< 0.01	197	1310	16	12	2	265	0.02	< 10	10	880	< 10	1895
L9200E 9300N	201	202	125	49	< 0.01	19	2010	50	16	< 1	128	0.01	< 10	< 10	378	< 10	108
L9200E 9350N	201	202	770	57	< 0.01	48	4540	32	20	5	250	< 0.01	< 10	< 10	484	< 10	206

CERTIFICATION: Stewart Buchhorn *+

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :4-A
Total Pages :5
Certificate Date: 24-JUL-98
Invoice No. :19824697
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824697

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L9200E 9400N	217	232	15	3640	3.0	0.51	46	140	< 0.5	< 2	0.01	0.5	2	141	35	3.63	< 10	< 1	0.29	10	0.07
L9200E 9450N	217	232	< 5	7400	2.4	0.86	66	1440	1.0	< 2	0.66	21.5	7	245	87	1.65	< 10	< 1	0.14	30	0.22
L9200E 9500N	217	232	< 5	5600	4.8	0.59	78	1460	0.5	< 2	4.28	45.0	5	249	147	1.10	< 10	< 1	0.13	10	0.49
L9200E 9550N	201	202	10	8400	10.4	1.13	146	400	1.5	< 2	1.79	83.0	8	172	269	2.92	< 10	< 1	0.22	30	0.41
L9200E 9600N	201	202	10	5800	3.4	1.60	62	220	0.5	< 2	0.35	6.0	6	61	137	4.55	< 10	< 1	0.15	10	0.14
L9200E 9650N	201	202	< 5	5400	0.8	1.14	42	2030	< 0.5	< 2	0.23	4.0	4	36	52	2.21	< 10	< 1	0.07	10	0.27
L9400E 7375N	217	232	< 5	2760	0.4	0.62	26	510	0.5	< 2	0.04	1.5	1	115	59	2.11	< 10	< 1	0.22	10	0.16
L9400E 8925NMH15	201	202	< 5	5200	2.2	0.57	52	1600	1.0	< 2	2.87	12.0	5	228	106	1.12	< 10	< 1	0.06	20	0.46
L9400E 8950NMH16	201	202	5	5000	2.8	0.70	62	1330	1.5	< 2	2.78	20.5	6	188	159	1.45	< 10	< 1	0.10	30	0.72
L9400E 8975NMH17	201	202	< 5	6400	1.6	0.75	58	1180	0.5	< 2	1.32	8.5	8	140	74	1.77	< 10	< 1	0.07	20	0.42
L9400E 9000NMH18	201	202	10	>10000	1.6	0.87	46	1020	1.5	< 2	1.38	10.5	8	91	91	1.88	< 10	< 1	0.14	30	0.29
L9400E 9050N	201	202	< 5	7600	1.2	0.17	2	1630	< 0.5	< 2	0.36	2.0	< 1	28	21	0.27	< 10	< 1	0.03	10	0.02
L9400E 9100N	217	232	< 5	1680	0.6	0.19	10	700	< 0.5	< 2	1.53	2.0	< 1	15	28	0.46	< 10	< 1	0.02	< 10	0.15
L9400E 9150N	201	202	5	>10000	2.0	0.95	62	1610	0.5	< 2	0.21	1.5	1	99	46	1.67	< 10	< 1	0.07	30	0.08
L9400E 9200N	201	202	< 5	1840	0.6	0.73	46	500	0.5	< 2	0.12	1.5	4	46	29	1.42	< 10	< 1	0.10	20	0.14
L9400E 9250N	201	202	< 5	3360	1.2	1.29	102	890	1.5	< 2	0.65	4.0	8	86	111	3.01	< 10	< 1	0.25	10	0.51
L9400E 9300N	201	202	25	1880	2.8	1.02	184	140	0.5	2	0.05	1.0	4	125	195	11.90	10	< 1	0.45	< 10	0.12
L9400E 9350N	201	202	< 5	1200	1.8	1.69	30	310	< 0.5	< 2	0.07	< 0.5	5	40	21	4.25	< 10	< 1	0.08	10	0.23
L9400E 9400N	201	202	5	5600	1.6	0.64	30	240	< 0.5	< 2	0.01	0.5	1	33	66	2.24	< 10	< 1	0.22	20	0.06
L9400E 9450N	201	202	< 5	4000	4.2	0.97	74	830	0.5	< 2	1.51	127.5	2	143	77	1.43	< 10	< 1	0.14	30	0.11
L9400E 9500N	201	202	10	7200	6.0	1.20	108	1440	1.5	< 2	2.07	22.0	12	133	138	2.79	< 10	< 1	0.16	40	0.71
L9400E 9550N	201	202	< 5	6400	2.6	1.36	44	190	0.5	< 2	0.86	6.0	10	78	125	3.21	< 10	< 1	0.13	10	0.15
L9400E 9600N	201	202	15	4400	3.2	0.15	24	570	< 0.5	< 2	0.01	< 0.5	< 1	11	41	0.98	< 10	< 1	0.13	< 10	0.01
L9400E 9650N	201	202	< 5	4800	2.2	0.48	24	790	< 0.5	< 2	0.50	3.0	4	20	57	1.18	< 10	< 1	0.06	< 10	0.08
L9400E 9700N	201	202	10	4000	1.6	0.76	52	910	< 0.5	< 2	0.16	1.5	1	31	38	2.11	< 10	< 1	0.12	10	0.14
L9400E 9750N	201	202	10	5000	1.2	0.71	54	430	< 0.5	< 2	0.06	1.0	3	31	75	3.53	< 10	< 1	0.21	10	0.10
L9400E 9800N	201	202	< 5	2000	0.6	0.79	10	750	< 0.5	< 2	0.17	0.5	3	19	21	2.58	< 10	< 1	0.06	10	0.19
L9400E 9900N	201	202	< 5	1760	0.4	1.08	10	680	< 0.5	< 2	0.13	0.5	2	23	16	1.70	< 10	< 1	0.07	10	0.21
L9400E 9950N	201	202	< 5	6000	1.4	1.15	42	1190	< 0.5	< 2	0.17	3.0	3	40	59	2.58	< 10	< 1	0.09	10	0.22
L9400E 10000N	201	202	< 5	2120	0.4	1.14	20	800	< 0.5	< 2	0.13	0.5	3	26	20	2.09	< 10	< 1	0.07	10	0.20
L9400E 10050N	201	202	< 5	2920	0.8	1.39	6	1390	< 0.5	< 2	0.18	2.0	4	35	42	1.02	< 10	< 1	0.08	10	0.31
L9400E 10100N	201	202	5	8800	1.0	1.65	36	780	0.5	< 2	0.82	9.5	17	79	95	4.03	< 10	< 1	0.18	30	0.95
98MJS-052	201	202	< 5	2320	0.8	1.76	56	210	0.5	< 2	0.22	2.0	8	46	104	4.55	< 10	< 1	0.36	10	0.30
98MJS-053	201	202	< 5	2200	1.2	1.24	48	600	1.0	< 2	0.18	3.0	9	89	69	2.75	< 10	< 1	0.18	30	0.61
98MJS-054	201	202	10	6200	14.0	1.32	178	1160	2.0	< 2	7.68	136.0	16	307	451	2.09	10	< 1	0.23	30	1.34
98MJS-055	201	202	10	7600	10.4	1.34	176	1340	2.5	2	5.81	107.0	15	315	373	2.14	10	< 1	0.27	30	1.53
98MJS-056	201	202	< 5	>10000	2.8	0.93	78	680	1.5	< 2	2.89	33.5	10	123	134	2.37	< 10	< 1	0.24	10	1.64
98MJS-057	201	202	10	8000	5.2	1.18	120	480	2.0	< 2	2.75	69.5	10	218	253	2.40	< 10	< 1	0.25	20	1.48

CERTIFICATION: Stewart Bichlmaier

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 24-JUL-98
Invoice No. :19824697
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824697

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
L9200E 9400N	217	232	65	15	< 0.01	14	690	20	8	1	98	< 0.01	< 10	< 10	241	< 10	80
L9200E 9450N	217	232	80	90	< 0.01	304	2170	10	4	5	170	0.06	< 10	< 10	1965	< 10	1740
L9200E 9500N	217	232	110	83	< 0.01	290	1180	10	4	6	621	0.09	< 10	< 10	2500	< 10	3490
L9200E 9550N	201	202	180	125	0.01	542	2130	16	16	11	303	0.10	< 10	10	3650	< 10	5870
L9200E 9600N	201	202	185	41	< 0.01	101	3800	16	10	4	239	0.01	< 10	10	491	< 10	400
L9200E 9650N	201	202	110	15	< 0.01	51	910	10	< 2	1	103	0.02	< 10	< 10	356	< 10	290
L9400E 7375N	217	232	55	68	0.01	30	810	16	< 2	1	144	< 0.01	< 10	< 10	523	< 10	96
L9400E 8925NMH15	201	202	130	11	< 0.01	220	2400	6	6	3	294	0.01	< 10	10	773	< 10	968
L9400E 8950NMH16	201	202	160	32	< 0.01	345	2140	12	4	4	317	0.01	< 10	10	1645	< 10	1775
L9400E 8975NMH17	201	202	285	25	< 0.01	100	1450	14	2	3	150	0.01	< 10	10	1345	< 10	740
L9400E 9000NMH18	201	202	75	106	< 0.01	544	2220	6	< 2	6	270	0.09	10	10	1590	< 10	1450
L9400E 9050N	201	202	5	5	< 0.01	28	450	4	< 2	1	99	< 0.01	< 10	< 10	174	< 10	70
L9400E 9100N	217	232	15	42	0.01	21	850	< 2	6	1	232	< 0.01	< 10	< 10	57	< 10	66
L9400E 9150N	201	202	15	23	< 0.01	41	4430	20	< 2	5	457	0.01	< 10	10	353	< 10	74
L9400E 9200N	201	202	40	50	< 0.01	138	350	10	< 2	1	80	0.01	< 10	< 10	1145	< 10	370
L9400E 9250N	201	202	110	83	< 0.01	318	1760	8	< 2	6	518	0.01	< 10	< 10	1610	< 10	658
L9400E 9300N	201	202	130	19	0.01	55	4680	26	14	4	320	< 0.01	< 10	10	1195	< 10	244
L9400E 9350N	201	202	185	22	< 0.01	28	250	18	< 2	3	22	0.07	< 10	< 10	458	< 10	96
L9400E 9400N	201	202	20	38	< 0.01	11	560	22	6	2	60	0.01	< 10	< 10	235	< 10	38
L9400E 9450N	201	202	40	67	0.02	379	1170	12	6	1	207	0.02	< 10	20	2670	< 10	6920
L9400E 9500N	201	202	220	162	0.01	829	3030	14	6	11	354	0.12	< 10	10	2660	< 10	4720
L9400E 9550N	201	202	245	37	< 0.01	172	2740	10	4	4	278	0.04	< 10	< 10	757	< 10	816
L9400E 9600N	201	202	< 5	39	< 0.01	22	180	42	4	< 1	73	< 0.01	< 10	< 10	105	< 10	12
L9400E 9650N	201	202	210	20	< 0.01	38	1060	12	6	< 1	99	< 0.01	< 10	< 10	200	< 10	162
L9400E 9700N	201	202	35	31	< 0.01	18	990	18	6	1	126	0.01	< 10	< 10	201	< 10	90
L9400E 9750N	201	202	55	38	< 0.01	20	1090	18	6	2	109	0.01	< 10	< 10	183	< 10	122
L9400E 9800N	201	202	55	12	< 0.01	15	590	10	< 2	1	40	0.02	< 10	< 10	108	< 10	62
L9400E 9900N	201	202	50	10	< 0.01	13	460	12	< 2	2	32	0.03	< 10	< 10	137	< 10	66
L9400E 9950N	201	202	40	19	< 0.01	36	1870	16	< 2	1	189	0.01	< 10	< 10	253	< 10	144
L9400E 10000N	201	202	50	11	< 0.01	18	540	12	< 2	1	38	0.03	< 10	< 10	182	< 10	92
L9400E 10050N	201	202	65	11	< 0.01	26	560	12	< 2	3	50	0.03	< 10	< 10	167	< 10	176
L9400E 10100N	201	202	430	27	< 0.01	178	1830	14	< 2	6	146	0.03	< 10	< 10	555	< 10	1060
98MJS-052	201	202	255	100	0.04	130	1190	26	< 2	5	156	0.03	10	10	483	< 10	306
98MJS-053	201	202	175	126	< 0.01	362	740	16	< 2	4	47	0.02	10	< 10	1910	< 10	830
98MJS-054	201	202	240	211	0.06	1010	5000	26	8	11	1125	0.11	20	30	5030	< 10	>10000
98MJS-055	201	202	195	190	0.10	1155	2530	28	18	11	738	0.14	< 10	30	6250	< 10	>10000
98MJS-056	201	202	260	76	0.01	325	1160	16	6	7	262	0.02	< 10	10	1750	< 10	2790
98MJS-057	201	202	150	104	0.03	541	1820	20	6	10	318	0.04	< 10	10	3110	< 10	5910

CERTIFICATION: Stewart Buchlan

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To: EQUITY ENGINEERING LTD.

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

A9820819

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9820819

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 11-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	162	Dry, sieve to -80 mesh
202	162	save reject
229	162	ICP - AQ Digestion charge
232	162	Perchloric-nitric-HF digestion

* 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	159	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	162	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	162	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	162	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	162	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	162	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	162	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	162	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	162	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	162	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	162	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	162	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	162	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	162	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	162	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	162	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	162	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	162	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	162	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	162	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	162	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	162	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	162	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	162	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	162	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	162	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	162	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	162	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	162	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	162	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	162	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	162	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	162	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	162	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 5
Certificate Date: 11-JUN-98
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P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9820819

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
L7000E:8700N	201	202	< 5	0.8	0.68	16	1250	< 0.5	< 2	0.04	0.5	< 1	31	38	1.13	< 10	< 1	0.04	10	0.10	25
L7000E:8750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000E:8800N	201	202	< 5	1.4	0.81	16	1860	< 0.5	< 2	0.08	0.5	< 1	40	54	0.83	< 10	< 1	0.04	10	0.13	25
L7000E:8850N	201	202	5	0.2	0.97	26	2080	< 0.5	< 2	0.22	1.0	4	33	42	1.77	< 10	< 1	0.06	20	0.26	70
L7000E:8900N	201	202	5	1.4	0.75	22	1210	< 0.5	< 2	0.43	1.5	3	46	52	1.16	< 10	< 1	0.09	20	0.10	80
L7000E:8950N	201	202	< 5	1.2	1.09	40	960	< 0.5	< 2	0.65	10.5	11	53	48	2.60	< 10	1	0.17	20	0.38	265
L7000E:9000N	201	202	< 5	2.6	1.00	36	430	< 0.5	< 2	1.43	15.0	7	50	56	2.79	< 10	< 1	0.20	10	0.41	190
L7000E:9050N	201	202	10	2.6	1.50	64	340	0.5	< 2	4.25	30.5	14	60	124	4.69	< 10	< 1	0.29	< 10	2.51	590
L7000E:9100N	201	202	< 5	0.4	1.36	28	1480	< 0.5	< 2	0.05	1.5	2	36	40	2.40	< 10	< 1	0.08	10	0.15	85
L7600E:9100N	201	202	< 5	0.8	0.97	28	990	< 0.5	< 2	0.11	7.0	10	31	57	2.28	< 10	< 1	0.12	10	0.30	280
L7600E:9150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9200N	201	202	< 5	0.6	0.74	10	1130	< 0.5	< 2	0.11	1.0	3	17	24	1.11	< 10	< 1	0.05	10	0.21	35
L7600E:9250N	201	202	not/ss	0.8	1.42	70	670	< 0.5	< 2	0.05	1.0	7	50	49	3.05	< 10	< 1	0.13	40	0.20	50
L7600E:9300N	201	202	< 5	0.8	0.71	40	630	< 0.5	< 2	0.03	2.0	2	17	53	2.25	< 10	< 1	0.13	10	0.17	45
L7600E:9350N	201	202	< 5	0.6	1.31	42	820	< 0.5	< 2	0.20	4.0	9	38	65	3.18	< 10	1	0.14	20	0.29	220
L7600E:9400N	201	202	< 5	1.2	1.22	60	430	0.5	< 2	0.07	20.5	11	38	101	3.12	< 10	< 1	0.20	20	0.25	290
L7600E:9450N	201	202	< 5	1.0	0.87	24	1580	< 0.5	< 2	0.08	1.5	1	37	42	1.52	< 10	< 1	0.06	10	0.19	45
L7600E:9500N	201	202	< 5	0.8	1.12	30	2280	0.5	< 2	0.39	8.5	10	57	142	2.05	< 10	< 1	0.09	30	0.33	175
L7600E:9550N	201	202	< 5	3.0	1.16	82	2580	0.5	< 2	0.55	67.5	12	116	125	2.46	< 10	< 1	0.11	30	0.46	310
L7600E:9600N	201	202	5	6.0	1.59	96	1690	0.5	< 2	0.75	68.0	11	126	172	2.62	< 10	< 1	0.13	30	0.48	245
L7600E:9650N	201	202	not/ss	2.6	1.02	56	1420	0.5	< 2	0.30	16.0	11	100	70	1.66	< 10	< 1	0.11	30	0.24	435
L7600E:9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9750N	201	202	< 5	1.6	0.77	26	1460	< 0.5	< 2	1.09	9.5	7	83	45	1.21	< 10	< 1	0.09	10	0.30	175
L7600E:9800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9850N	201	202	10	2.0	0.81	40	420	< 0.5	< 2	0.05	0.5	< 1	34	75	2.74	< 10	< 1	0.16	10	0.06	30
L7600E:9900N	201	202	10	0.8	0.50	24	960	< 0.5	< 2	0.05	0.5	< 1	21	36	1.38	< 10	< 1	0.06	10	0.06	20
L7600E:9950N	201	202	10	1.4	0.67	34	1250	< 0.5	< 2	0.07	0.5	1	23	45	1.64	< 10	< 1	0.05	10	0.12	35
L7600E:10000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E:8700N	201	202	< 5	0.2	1.64	22	170	< 0.5	< 2	0.06	< 0.5	4	30	17	3.60	< 10	< 1	0.05	10	0.26	185
L8000E:8750N	201	202	< 5	< 0.2	1.71	20	210	< 0.5	< 2	0.08	0.5	6	31	25	3.23	< 10	< 1	0.05	10	0.33	205
L8000E:8800N	201	202	5	0.2	0.99	24	770	< 0.5	< 2	0.06	1.5	3	25	33	2.20	< 10	< 1	0.12	10	0.30	90
L8000E:8850N	201	202	< 5	0.2	1.26	30	840	< 0.5	< 2	0.17	4.0	8	30	84	2.79	< 10	< 1	0.13	10	0.75	245
L8000E:8900N	201	202	< 5	0.4	0.92	22	640	< 0.5	< 2	0.11	2.0	4	26	38	2.16	< 10	< 1	0.10	10	0.31	120
L8000E:8950N	201	202	< 5	0.2	1.07	22	1060	< 0.5	< 2	0.26	4.5	9	33	48	2.40	< 10	< 1	0.07	10	0.34	195
L8000E:9000N	201	202	< 5	1.0	1.86	74	680	< 0.5	< 2	0.16	11.5	22	41	123	4.56	< 10	< 1	0.19	10	0.81	440
L8000E:9050N	201	202	< 5	0.8	1.62	46	560	0.5	< 2	0.47	22.0	14	47	138	3.73	< 10	< 1	0.20	10	1.75	185
L8000E:9100N	201	202	80	1.4	1.53	46	1010	< 0.5	< 2	0.03	1.5	3	50	64	3.23	< 10	< 1	0.11	30	0.11	70
L8000E:9150N	201	202	< 5	0.8	0.76	16	480	< 0.5	< 2	0.05	< 0.5	1	22	23	1.31	< 10	< 1	0.05	30	0.05	35
L8000E:9175N	201	202	5	2.0	1.59	38	5870	0.5	< 2	0.43	14.0	9	63	150	2.69	< 10	< 1	0.12	20	0.59	210
L8000E:9200N	201	202	10	2.6	1.37	26	6430	< 0.5	< 2	0.25	6.5	5	72	62	2.70	< 10	< 1	0.09	20	0.18	115

CERTIFICATION: Hart Bidlle

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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	Ba ppm
L7000E:8700N	201	202	13	< 0.01	8	1060	10	2	< 1	71	0.01	< 10	< 10	158	< 10	20	3800
L7000E:8750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7000E:8800N	201	202	15	< 0.01	12	1090	10	2	1	106	0.02	< 10	< 10	255	< 10	32	7800
L7000E:8850N	201	202	29	< 0.01	52	1220	6	6	3	148	0.05	< 10	< 10	447	< 10	192	7900
L7000E:8900N	201	202	25	< 0.01	42	1680	10	6	1	200	0.03	< 10	< 10	465	< 10	126	8500
L7000E:8950N	201	202	34	< 0.01	106	1620	10	12	4	124	0.01	< 10	< 10	677	< 10	866	9000
L7000E:9000N	201	202	31	< 0.01	99	2280	12	10	5	171	0.01	< 10	< 10	496	< 10	948	6300
L7000E:9050N	201	202	54	0.01	257	3140	14	10	6	343	0.01	< 10	10	705	< 10	2190	3300
L7000E:9100N	201	202	30	< 0.01	22	900	10	4	2	113	0.03	< 10	< 10	531	< 10	90	6600
L7600E:9100N	201	202	47	< 0.01	124	1090	10	4	1	118	0.01	< 10	< 10	390	< 10	460	6200
L7600E:9150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9200N	201	202	26	< 0.01	57	620	4	< 2	1	72	< 0.01	< 10	< 10	162	< 10	178	3700
L7600E:9250N	201	202	92	< 0.01	156	1710	20	10	1	339	0.01	< 10	< 10	642	< 10	592	3400
L7600E:9300N	201	202	62	< 0.01	57	680	12	8	2	142	< 0.01	< 10	< 10	287	< 10	226	3900
L7600E:9350N	201	202	54	< 0.01	115	1600	12	6	5	212	0.04	< 10	< 10	298	< 10	332	4700
L7600E:9400N	201	202	68	< 0.01	189	1380	14	12	5	217	0.02	< 10	< 10	714	< 10	1000	6000
L7600E:9450N	201	202	26	< 0.01	41	770	10	6	1	121	0.01	< 10	< 10	560	< 10	178	5800
L7600E:9500N	201	202	58	< 0.01	426	1230	6	8	4	126	0.03	< 10	< 10	1045	< 10	1145	5600
L7600E:9550N	201	202	70	< 0.01	273	1860	16	12	6	132	0.13	< 10	< 10	2490	< 10	3450	8600
L7600E:9600N	201	202	83	< 0.01	560	2380	18	18	9	203	0.13	< 10	< 10	2440	< 10	8280	4400
L7600E:9650N	201	202	83	< 0.01	178	1800	10	10	1	84	0.03	< 10	< 10	1695	< 10	1055	3400
L7600E:9700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9750N	201	202	22	< 0.01	114	1020	8	4	2	136	0.01	< 10	< 10	948	< 10	1040	8000
L7600E:9800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L7600E:9850N	201	202	17	< 0.01	10	2130	12	6	1	196	< 0.01	< 10	< 10	170	< 10	40	5100
L7600E:9900N	201	202	12	< 0.01	11	940	12	< 2	< 1	83	< 0.01	< 10	< 10	101	< 10	36	4800
L7600E:9950N	201	202	20	< 0.01	13	1090	10	6	< 1	93	< 0.01	< 10	< 10	179	< 10	44	4800
L7600E:10000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E:8700N	201	202	12	< 0.01	16	280	10	< 2	3	17	0.07	< 10	< 10	227	< 10	64	840
L8000E:8750N	201	202	12	< 0.01	32	360	6	2	3	22	0.05	< 10	< 10	186	< 10	168	880
L8000E:8800N	201	202	57	< 0.01	41	1010	16	10	1	162	0.02	< 10	< 10	332	< 10	190	2100
L8000E:8850N	201	202	56	< 0.01	125	1140	10	6	5	169	0.03	< 10	< 10	485	< 10	572	3500
L8000E:8900N	201	202	40	< 0.01	40	700	10	8	2	80	0.02	< 10	< 10	262	< 10	172	1940
L8000E:8950N	201	202	27	< 0.01	124	1070	4	2	3	58	0.06	< 10	< 10	334	< 10	608	4100
L8000E:9000N	201	202	95	0.01	327	1760	22	18	6	219	0.01	< 10	< 10	688	< 10	1135	3400
L8000E:9050N	201	202	65	< 0.01	379	630	18	10	10	125	< 0.01	< 10	< 10	914	< 10	1690	2200
L8000E:9100N	201	202	71	< 0.01	81	1180	20	8	1	71	0.04	< 10	< 10	849	< 10	296	5800
L8000E:9150N	201	202	41	< 0.01	25	730	8	4	< 1	27	0.01	< 10	< 10	287	< 10	100	1460
L8000E:9175N	201	202	42	< 0.01	261	1940	12	8	6	226	0.04	< 10	< 10	811	< 10	1370	>10000
L8000E:9200N	201	202	26	< 0.01	103	1510	12	6	1	190	0.02	< 10	< 10	430	< 10	622	>10000

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L8000E:9225N	201	202	5	0.8	1.06	10	>10000	< 0.5	< 2	0.88	22.0	4	29	62	1.44	< 10	< 1	0.06	10	0.40	290
L8000E:9250N	201	202	10	1.4	0.55	12	850	1.0	< 2	0.33	12.0	1	89	111	1.08	< 10	< 1	0.11	10	0.05	15
L8000E:9275N	201	202	10	1.4	0.82	40	4790	0.5	< 2	0.85	21.0	4	74	98	1.12	< 10	1	0.07	10	0.13	55
L8000E:9300N	201	202	< 5	2.4	0.86	72	9880	0.5	< 2	0.83	15.0	4	84	101	1.48	< 10	< 1	0.08	10	0.27	105
L8000E:9325N	201	202	< 5	3.0	1.46	42	430	0.5	< 2	0.95	6.0	6	130	138	3.34	< 10	< 1	0.28	10	0.26	80
L8000E:9350N	201	202	< 5	2.4	0.75	10	870	< 0.5	< 2	0.38	2.5	< 1	52	39	2.61	< 10	< 1	0.03	10	0.10	20
L8000E:9375N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E:9400N	201	202	< 5	0.8	0.34	4	690	< 0.5	< 2	0.27	2.0	< 1	44	28	1.16	< 10	< 1	0.07	< 10	0.03	5
L8000E:9450N	201	202	5	0.8	1.05	38	1920	0.5	< 2	0.10	3.5	3	58	64	1.78	< 10	< 1	0.09	10	0.18	110
L8000E:9500N	201	202	< 5	0.8	0.58	30	1220	0.5	< 2	0.03	3.5	1	38	98	1.40	< 10	< 1	0.09	10	0.06	55
L8000E:9550N	201	202	< 5	1.0	0.72	40	2290	0.5	< 2	0.15	16.0	6	74	78	1.34	< 10	< 1	0.06	20	0.21	80
L8000E:9600N	201	202	5	3.4	1.46	56	2250	0.5	< 2	0.71	43.5	8	108	131	2.13	< 10	< 1	0.11	20	0.55	170
L8000E:9650N	201	202	< 5	3.6	0.68	26	1210	0.5	< 2	2.10	14.5	6	48	51	1.14	< 10	< 1	0.07	10	0.29	200
L8000E:9700N	201	202	< 5	5.0	0.75	36	1210	0.5	< 2	2.61	102.0	6	97	235	1.31	< 10	1	0.12	20	0.30	165
L8000E:9750N	201	202	20	3.0	0.57	54	220	0.5	< 2	0.37	5.5	1	61	107	3.74	< 10	< 1	0.27	10	0.07	120
L8000E:9800N	201	202	10	5.0	0.90	40	2040	1.0	< 2	1.24	52.5	5	107	171	1.23	< 10	< 1	0.12	30	0.41	110
L8000E:9850N	201	202	10	2.4	1.35	60	760	0.5	< 2	0.39	8.5	8	62	174	4.21	< 10	< 1	0.11	10	0.14	470
L8000E:9900N	201	202	10	1.6	0.45	50	590	< 0.5	< 2	0.13	2.0	< 1	36	41	2.15	< 10	< 1	0.15	10	0.06	15
L8000E:9950N	201	202	< 5	3.0	0.26	256	50	< 0.5	< 2	0.01	0.5	< 1	89	144	>15.00	< 10	< 1	0.65	< 10	0.01	25
L8000E:10000N	201	202	< 5	1.4	0.34	56	190	< 0.5	< 2	0.08	0.5	< 1	22	30	4.14	< 10	< 1	0.27	10	0.04	15
L8200E:8700N	201	202	10	0.8	1.84	50	2970	0.5	< 2	0.15	3.5	6	41	59	2.61	< 10	< 1	0.12	10	0.52	160
L8200E:8750N	201	202	< 5	0.4	0.79	20	820	< 0.5	< 2	0.09	2.0	3	22	19	1.77	< 10	< 1	0.07	10	0.26	120
L8200E:8800N	201	202	< 5	0.2	1.03	32	510	< 0.5	< 2	0.05	1.5	4	22	35	2.44	< 10	< 1	0.11	10	0.43	110
L8200E:8850N	201	202	< 5	0.4	1.32	22	130	< 0.5	< 2	0.04	< 0.5	4	25	21	2.96	< 10	< 1	0.04	10	0.31	130
L8200E:8900N	201	202	< 5	0.2	0.74	8	200	< 0.5	< 2	0.04	0.5	3	17	18	1.35	< 10	1	0.05	< 10	0.12	55
L8200E:8950N	201	202	< 5	< 0.2	1.18	18	390	< 0.5	< 2	0.10	1.0	3	26	21	2.41	< 10	< 1	0.07	10	0.30	105
L8200E:9000N	201	202	< 5	< 0.2	1.10	24	430	< 0.5	< 2	0.06	0.5	4	25	25	2.36	< 10	< 1	0.10	20	0.27	160
L8200E:9050N	201	202	< 5	0.4	1.07	30	490	< 0.5	< 2	0.05	0.5	3	28	33	2.61	< 10	< 1	0.15	20	0.20	130
L8200E:9100N	201	202	not/ss	1.2	1.32	46	440	0.5	< 2	0.32	7.0	19	36	82	3.10	< 10	1	0.19	30	0.26	355
L8200E:9150N	201	202	< 5	0.6	0.97	32	430	< 0.5	< 2	0.05	1.5	4	32	39	2.39	< 10	< 1	0.08	20	0.11	95
L8200E:9175N	201	202	5	0.8	1.78	50	440	1.5	< 2	3.80	67.5	17	64	163	2.23	< 10	< 1	0.15	20	0.41	255
L8200E:9200N	201	202	< 5	0.8	1.64	26	2530	1.0	< 2	0.62	36.0	13	54	94	2.09	< 10	< 1	0.10	20	0.95	160
L8200E:9225N	201	202	10	1.0	0.68	28	4350	0.5	< 2	0.26	12.0	5	34	49	1.46	< 10	< 1	0.07	10	0.24	125
L8200E:9250N	201	202	< 5	1.4	0.40	8	1810	0.5	< 2	3.04	22.5	5	25	70	0.71	< 10	1	0.03	10	0.16	180
L8200E:9275N	201	202	< 5	0.6	0.53	8	1270	< 0.5	< 2	2.16	15.5	5	23	44	0.80	< 10	< 1	0.03	10	0.72	210
L8200E:9300N	201	202	10	1.8	1.45	30	2980	1.5	< 2	0.49	51.5	16	76	111	1.95	< 10	< 1	0.05	30	1.14	380
L8200E:9350N	201	202	5	1.2	0.81	44	8710	0.5	< 2	0.49	22.0	5	43	60	1.51	< 10	1	0.06	10	0.12	145
L8200E:9400N	201	202	< 5	1.2	0.94	50	2410	1.0	< 2	1.06	7.0	6	54	59	1.90	< 10	1	0.09	30	0.24	135
L8200E:9450N	201	202	5	1.2	0.89	48	2990	0.5	< 2	1.00	12.5	4	58	70	1.52	< 10	1	0.08	30	0.16	115
L8200E:9500N	201	202	< 5	0.8	1.09	40	800	< 0.5	< 2	0.08	1.5	4	48	31	2.04	< 10	1	0.10	30	0.14	115

CERTIFICATION: Hart Bielle

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 11-JUN-98
Invoice No. :19820819
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820819

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	Ba ppm
L8000E:9225N	201	202	11	< 0.01	102	1420	8	2	2	1360	0.02	< 10	< 10	407	< 10	1000	>10000
L8000E:9250N	201	202	18	< 0.01	86	1480	8	2	6	163	< 0.01	< 10	< 10	1685	< 10	320	>10000
L8000E:9275N	201	202	26	< 0.01	144	3530	4	2	4	346	0.03	< 10	< 10	908	< 10	1090	>10000
L8000E:9300N	201	202	19	< 0.01	126	2630	8	2	3	409	0.03	< 10	10	726	< 10	736	>10000
L8000E:9325N	201	202	27	< 0.01	127	8140	10	2	8	610	0.02	< 10	10	478	< 10	638	>10000
L8000E:9350N	201	202	18	< 0.01	33	1780	6	< 2	< 1	91	< 0.01	< 10	< 10	187	< 10	98	5000
L8000E:9375N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E:9400N	201	202	24	< 0.01	15	2230	10	10	< 1	156	< 0.01	< 10	< 10	215	< 10	50	7300
L8000E:9450N	201	202	25	< 0.01	37	1900	12	2	1	143	0.01	< 10	< 10	446	< 10	200	>10000
L8000E:9500N	201	202	47	< 0.01	25	580	6	< 2	3	85	0.03	< 10	10	549	< 10	88	>10000
L8000E:9550N	201	202	59	< 0.01	248	740	10	2	1	57	< 0.01	< 10	< 10	1395	< 10	986	3800
L8000E:9600N	201	202	46	< 0.01	254	1820	10	4	6	167	0.07	< 10	< 10	1840	< 10	4060	6900
L8000E:9650N	201	202	34	< 0.01	189	1220	8	4	3	194	0.01	< 10	< 10	720	< 10	2220	3200
L8000E:9700N	201	202	55	< 0.01	520	1320	14	6	6	373	0.04	< 10	10	1940	< 10	7170	5100
L8000E:9750N	201	202	25	< 0.01	68	2530	16	6	4	371	< 0.01	< 10	< 10	444	< 10	420	9500
L8000E:9800N	201	202	52	< 0.01	338	1210	10	8	7	213	0.04	< 10	10	1955	< 10	3870	>10000
L8000E:9850N	201	202	37	< 0.01	165	3190	10	10	6	276	< 0.01	< 10	< 10	423	< 10	792	7400
L8000E:9900N	201	202	25	< 0.01	29	1270	12	2	< 1	119	< 0.01	< 10	< 10	245	< 10	88	6900
L8000E:9950N	201	202	92	0.06	24	4310	30	24	8	359	< 0.01	< 10	< 10	367	< 10	268	2800
L8000E:10000N	201	202	28	< 0.01	13	1330	14	2	1	127	< 0.01	< 10	< 10	141	< 10	56	4500
L8200E:8700N	201	202	61	< 0.01	95	930	16	10	5	159	0.01	< 10	< 10	562	< 10	412	4700
L8200E:8750N	201	202	30	< 0.01	22	530	8	6	2	46	0.02	< 10	< 10	245	< 10	116	2800
L8200E:8800N	201	202	39	< 0.01	63	670	12	6	3	76	0.01	< 10	< 10	348	< 10	242	1800
L8200E:8850N	201	202	14	< 0.01	30	270	12	2	2	15	0.05	< 10	< 10	240	< 10	138	760
L8200E:8900N	201	202	10	0.01	15	730	6	2	1	21	0.03	< 10	< 10	106	< 10	56	840
L8200E:8950N	201	202	26	< 0.01	21	600	10	2	3	40	0.04	< 10	< 10	194	< 10	72	1400
L8200E:9000N	201	202	32	< 0.01	32	500	10	4	2	49	0.04	< 10	< 10	308	< 10	126	1920
L8200E:9050N	201	202	36	< 0.01	30	990	10	6	1	45	0.04	< 10	< 10	371	< 10	138	1600
L8200E:9100N	201	202	55	0.01	246	2180	14	10	3	148	< 0.01	< 10	< 10	510	< 10	834	3600
L8200E:9150N	201	202	40	< 0.01	50	1460	10	6	< 1	36	0.01	< 10	< 10	427	< 10	224	1500
L8200E:9175N	201	202	114	< 0.01	838	3350	12	6	5	581	0.03	10	40	1295	< 10	3310	7600
L8200E:9200N	201	202	49	< 0.01	534	1250	8	6	6	185	0.05	< 10	10	1275	< 10	3210	>10000
L8200E:9225N	201	202	22	< 0.01	140	1120	6	6	3	137	0.04	< 10	< 10	494	< 10	764	>10000
L8200E:9250N	201	202	21	< 0.01	241	1020	6	2	2	359	0.03	< 10	30	442	< 10	900	3400
L8200E:9275N	201	202	28	< 0.01	206	840	4	6	2	225	0.02	< 10	10	571	< 10	856	3800
L8200E:9300N	201	202	105	< 0.01	690	1220	18	8	8	151	0.09	10	< 10	1615	< 10	4930	8800
L8200E:9350N	201	202	42	< 0.01	251	1460	8	2	3	185	0.02	< 10	10	597	< 10	1125	>10000
L8200E:9400N	201	202	73	< 0.01	399	1750	6	10	5	177	0.02	< 10	10	852	< 10	800	8900
L8200E:9450N	201	202	59	< 0.01	401	1460	4	10	4	146	0.01	< 10	< 10	1070	< 10	910	9600
L8200E:9500N	201	202	49	< 0.01	105	740	12	8	2	38	0.05	< 10	< 10	904	< 10	340	2100

CERTIFICATION: Hans Bidlo

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9820819

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
L8200E:9550N	201	202	< 5	0.8	1.49	46	1150	< 0.5	< 2	0.08	2.5	4	59	57	2.98	< 10	< 1	0.10	10	0.20	160
L8200E:9600N	201	202	< 5	1.6	1.12	38	530	< 0.5	< 2	0.05	3.0	2	80	48	2.30	< 10	< 1	0.05	10	0.12	80
L8200E:9650N	201	202	5	7.4	1.77	126	2660	2.0	4	1.34	193.5	18	393	439	3.00	10	< 1	0.28	40	0.46	810
L8200E:9700N	201	202	< 5	6.0	1.18	46	1390	1.0	< 2	2.23	106.5	11	179	285	1.86	< 10	< 1	0.17	30	0.31	465
L8200E:9750N	201	202	10	8.2	1.15	122	1370	1.5	< 2	5.53	155.0	13	243	482	2.30	10	< 1	0.22	20	1.13	265
L8200E:9800N	201	202	< 5	7.2	0.94	76	1240	1.5	< 2	4.41	81.5	8	158	367	2.15	< 10	< 1	0.16	20	1.47	230
L8200E:9850N	201	202	10	12.2	1.00	106	1410	1.5	< 2	1.77	130.0	7	203	457	1.80	< 10	< 1	0.16	30	0.50	220
L8200E:9900N	201	202	10	7.2	0.74	46	1110	0.5	< 2	1.26	65.5	5	125	245	1.61	< 10	< 1	0.14	10	0.29	170
L8200E:9950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8200E:10000N	201	202	5	1.2	0.23	42	270	< 0.5	< 2	0.03	0.5	< 1	16	31	3.83	< 10	< 1	0.33	< 10	0.03	15
L8400E:8650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8900N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9050N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9125N	201	202	5	2.0	4.82	110	1740	3.0	< 2	2.47	285	28	215	370	2.71	10	< 1	0.14	20	0.79	380
L8400E:9150N	201	202	< 5	1.8	1.24	50	1510	1.5	< 2	4.45	65.0	15	137	213	1.96	< 10	< 1	0.12	20	1.23	230
L8400E:9175N	201	202	< 5	3.0	1.32	46	1050	1.5	< 2	3.36	63.0	28	192	232	2.75	10	< 1	0.15	10	1.56	550
L8400E:9200N	201	202	5	7.4	1.57	44	1540	1.5	< 2	2.86	79.5	7	167	280	1.62	< 10	< 1	0.13	30	0.46	160
L8400E:9250N	201	202	< 5	10.0	1.54	60	2440	1.5	< 2	2.55	91.0	11	181	350	2.06	< 10	< 1	0.13	30	0.54	270
L8400E:9300N	201	202	< 5	11.2	1.64	100	2530	1.5	< 2	2.89	90.5	16	205	349	2.58	< 10	< 1	0.16	30	0.57	330
L8400E:9350N	201	202	5	8.6	1.77	112	3150	1.0	< 2	2.52	106.5	14	155	263	2.65	10	< 1	0.14	30	0.78	305
L8400E:9400N	201	202	< 5	2.8	2.52	48	1440	0.5	< 2	0.25	15.5	11	64	87	3.03	< 10	< 1	0.07	10	0.44	340
L8400E:9450N	201	202	< 5	1.0	1.58	24	430	< 0.5	< 2	0.08	1.0	4	54	44	2.98	< 10	< 1	0.06	10	0.29	150
L8400E:9500N	201	202	5	1.8	1.76	52	1460	0.5	< 2	0.32	7.5	11	70	134	3.05	< 10	< 1	0.09	10	0.46	310
L8400E:9550N	201	202	< 5	2.0	1.47	16	290	< 0.5	< 2	0.05	0.5	3	31	24	2.54	< 10	< 1	0.03	10	0.16	105
L8400E:9600N	201	202	< 5	2.4	0.66	46	1650	0.5	< 2	1.97	31.0	2	124	96	1.15	< 10	< 1	0.07	10	0.14	90
L8400E:9650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9700N	201	202	< 5	4.2	0.85	80	1240	1.0	< 2	6.28	34.0	9	108	165	2.14	< 10	< 1	0.11	20	1.02	170
L8400E:9750N	201	202	< 5	7.8	1.05	106	1330	1.5	< 2	7.29	70.5	9	230	339	2.13	< 10	< 1	0.18	30	0.54	160
L8400E:9800N	201	202	< 5	5.8	1.06	98	1310	1.5	< 2	4.02	61.5	8	191	236	2.05	< 10	< 1	0.18	30	0.68	185
L8400E:9850N	201	202	< 5	1.0	0.37	6	1080	< 0.5	< 2	0.27	2.5	< 1	14	31	0.77	< 10	< 1	0.07	10	0.03	10
L8400E:9900N	201	202	< 5	1.8	0.37	26	820	< 0.5	< 2	1.03	7.5	1	16	62	1.32	< 10	< 1	0.14	10	0.07	50
L8400E:9950N	201	202	< 5	0.6	0.20	8	530	< 0.5	< 2	0.06	0.5	< 1	6	16	0.87	< 10	< 1	0.11	10	0.02	< 5
L8400E:10000N	201	202	5	1.2	0.40	28	630	< 0.5	< 2	0.25	1.5	1	14	36	2.95	< 10	< 1	0.16	10	0.08	150

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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	Ba ppm
L8200E:9550N	201	202	33	< 0.01	78	1130	16	4	2	125	0.02	< 10	< 10	638	< 10	338	3900
L8200E:9600N	201	202	26	< 0.01	59	660	16	4	< 1	19	0.03	< 10	< 10	1255	< 10	438	1260
L8200E:9650N	201	202	114	0.03	826	2990	34	2	14	321	0.13	10	10	7760	< 10	>10000	7400
L8200E:9700N	201	202	78	0.01	478	2040	18	6	6	408	0.06	10	< 10	3330	< 10	7890	5400
L8200E:9750N	201	202	167	0.04	901	2320	28	10	8	770	0.12	< 10	< 10	4320	< 10	>10000	9000
L8200E:9800N	201	202	128	0.01	763	1760	20	6	9	580	0.05	10	< 10	2710	< 10	8940	7200
L8200E:9850N	201	202	99	0.02	737	1870	20	8	9	345	0.06	10	10	3550	< 10	>10000	7200
L8200E:9900N	201	202	50	< 0.01	348	1420	18	6	6	307	0.04	< 10	< 10	2150	< 10	6280	7100
L8200E:9950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8200E:10000N	201	202	17	< 0.01	11	930	16	2	1	74	< 0.01	< 10	< 10	116	< 10	48	2300
L8400E:8650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8900N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:8950N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9000N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9050N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9100N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9125N	201	202	144	< 0.01	1755	3320	26	8	13	551	0.20	< 10	50	4990	< 10	>10000	8200
L8400E:9150N	201	202	99	0.01	808	2390	16	2	6	578	0.16	< 10	10	3050	< 10	8040	>10000
L8400E:9175N	201	202	68	0.01	858	2320	14	2	8	460	0.09	< 10	10	2530	< 10	7950	7500
L8400E:9200N	201	202	71	< 0.01	581	2600	12	6	9	509	0.09	< 10	10	3150	< 10	6750	8000
L8400E:9250N	201	202	84	< 0.01	794	3100	16	8	11	510	0.11	< 10	20	3150	< 10	8310	8900
L8400E:9300N	201	202	137	0.01	939	4150	20	16	13	550	0.11	< 10	10	3890	< 10	9570	>10000
L8400E:9350N	201	202	94	0.03	943	2590	20	12	10	559	0.13	< 10	< 10	3080	< 10	>10000	>10000
L8400E:9400N	201	202	14	< 0.01	152	510	14	2	4	54	0.04	< 10	< 10	990	< 10	1490	2200
L8400E:9450N	201	202	36	< 0.01	93	320	16	< 2	3	42	0.04	< 10	< 10	992	< 10	394	1530
L8400E:9500N	201	202	35	< 0.01	189	1620	10	6	5	150	0.05	< 10	< 10	927	< 10	824	9500
L8400E:9550N	201	202	13	< 0.01	24	270	12	< 2	1	20	0.03	< 10	< 10	324	< 10	136	920
L8400E:9600N	201	202	36	< 0.01	132	1120	8	10	2	215	0.03	< 10	< 10	1515	< 10	1640	4300
L8400E:9650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8400E:9700N	201	202	124	0.01	751	4370	16	8	6	855	0.06	< 10	10	1980	< 10	5080	8000
L8400E:9750N	201	202	139	0.01	918	3900	20	10	9	1325	0.08	< 10	10	3610	< 10	9450	6700
L8400E:9800N	201	202	122	< 0.01	667	3890	18	8	8	721	0.09	< 10	10	3120	< 10	7030	6200
L8400E:9850N	201	202	6	< 0.01	18	680	6	2	< 1	58	< 0.01	< 10	< 10	87	< 10	136	3000
L8400E:9900N	201	202	11	< 0.01	56	630	14	4	1	190	< 0.01	< 10	< 10	153	< 10	624	3700
L8400E:9950N	201	202	18	< 0.01	18	170	12	2	< 1	58	< 0.01	< 10	< 10	63	< 10	34	3000
L8400E:10000N	201	202	20	< 0.01	31	570	20	4	2	159	< 0.01	< 10	< 10	97	< 10	114	3000

CERTIFICATION: Hank Bickle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

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CERTIFICATE OF ANALYSIS A9820819

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
L8600E:7100N	201	202	< 5	< 0.2	3.98	< 2	360	0.5	< 2	0.79	0.5	40	188	94	7.24	10	< 1	0.04	10	3.98	910
L8600E:7150N	201	202	5	0.2	2.12	26	460	1.5	< 2	0.46	0.5	18	110	131	6.32	10	< 1	0.16	20	0.82	390
L8600E:7175N	201	202	< 5	0.2	2.90	2	320	1.0	< 2	0.57	0.5	43	208	119	7.39	10	< 1	0.16	20	1.95	685
L8600E:7200N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:7225N	201	202	< 5	< 0.2	4.56	< 2	610	0.5	< 2	0.96	1.5	55	110	129	9.61	10	< 1	0.16	10	4.98	1205
L8600E:7250N	201	202	< 5	< 0.2	2.53	< 2	640	< 0.5	< 2	1.25	4.0	52	150	130	9.22	10	< 1	0.10	10	2.42	1525
L8600E:7275N	201	202	< 5	< 0.2	2.73	6	840	0.5	< 2	0.88	6.5	33	88	131	7.04	10	< 1	0.13	10	2.51	805
L8600E:7300N	201	202	< 5	< 0.2	2.63	< 2	1140	< 0.5	< 2	1.07	4.0	36	118	128	7.25	10	< 1	0.09	10	2.28	990
L8600E:7325N	201	202	10	2.4	1.89	116	180	0.5	< 2	0.37	4.5	6	164	172	10.15	10	< 1	0.32	< 10	0.62	250
L8600E:7350N	201	202	10	2.0	1.53	82	410	0.5	< 2	0.36	4.5	3	102	167	5.46	< 10	< 1	0.22	< 10	0.39	125
L8600E:7375N	201	202	10	1.6	0.95	66	410	0.5	< 2	0.15	2.0	3	92	92	8.59	< 10	< 1	0.18	< 10	0.21	125
L8600E:7400N	201	202	5	1.6	0.65	32	500	< 0.5	< 2	0.33	2.5	< 1	63	64	1.95	< 10	< 1	0.09	10	0.15	30
L8600E:7425N	201	202	10	1.8	0.49	106	120	< 0.5	< 2	0.04	1.5	< 1	116	71	11.05	10	< 1	0.51	< 10	0.07	20
L8600E:7450N	201	202	10	1.0	0.82	48	570	< 0.5	< 2	0.10	0.5	< 1	68	57	4.10	< 10	< 1	0.15	10	0.16	35
L8600E:7475N	201	202	10	0.8	1.68	54	550	0.5	< 2	0.44	14.5	15	86	218	7.09	< 10	< 1	0.10	10	0.08	325
L8600E:7500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:7525N	201	202	< 5	0.6	0.42	28	650	< 0.5	< 2	0.27	9.5	4	17	97	1.88	< 10	< 1	0.13	10	0.06	105
L8600E:7550N	201	202	< 5	0.2	1.94	50	1040	1.0	< 2	0.14	6.0	6	44	79	9.79	< 10	< 1	0.07	10	0.06	170
L8600E:7600N	201	202	5	1.4	1.70	104	460	0.5	< 2	1.00	14.5	20	86	174	7.62	< 10	< 1	0.12	10	0.26	355
L8600E:7650N	201	202	< 5	0.2	1.06	42	1110	0.5	< 2	0.48	4.5	10	31	62	2.27	< 10	< 1	0.13	10	0.62	175
L8600E:7700N	201	202	< 5	0.4	1.34	52	900	0.5	< 2	0.39	6.0	19	32	99	3.08	< 10	< 1	0.11	20	0.49	355
L8600E:7750N	201	202	< 5	0.2	1.31	42	760	0.5	< 2	0.32	6.0	15	35	63	3.08	< 10	< 1	0.11	20	0.69	310
L8600E:7800N	201	202	< 5	1.0	1.79	28	770	< 0.5	< 2	0.56	3.0	7	35	54	2.65	< 10	< 1	0.07	10	0.36	215
L8600E:7850N	201	202	< 5	0.2	1.30	36	940	< 0.5	< 2	0.14	3.0	8	34	42	2.81	< 10	< 1	0.12	10	0.48	315
L8600E:7900N	201	202	5	< 0.2	1.19	30	1380	< 0.5	< 2	0.24	2.0	6	29	28	2.23	< 10	< 1	0.08	10	0.42	220
L8600E:7950N	201	202	5	1.0	1.47	36	660	< 0.5	< 2	0.09	0.5	2	42	36	4.17	< 10	< 1	0.14	10	0.28	70
L8600E:8000N	201	202	15	2.6	0.83	134	130	< 0.5	2	0.04	2.5	< 1	70	89	10.20	< 10	< 1	0.56	10	0.07	30
L8600E:8050N	201	202	< 5	1.6	1.46	70	310	0.5	< 2	1.40	16.0	7	71	156	9.48	< 10	< 1	0.13	< 10	0.57	155
L8600E:8100N	201	202	< 5	1.0	1.58	48	1250	0.5	< 2	4.94	11.5	10	40	97	2.03	< 10	< 1	0.09	10	4.08	350
L8600E:8150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8200N	201	202	5	1.6	1.61	36	800	0.5	< 2	0.95	17.0	11	39	85	2.40	< 10	< 1	0.09	10	0.59	395
L8600E:8250N	201	202	< 5	0.6	1.49	42	2380	< 0.5	< 2	0.22	2.0	5	53	47	2.73	< 10	< 1	0.06	10	0.54	140
L8600E:8300N	201	202	< 5	1.0	1.44	66	1200	1.0	< 2	0.77	14.0	30	74	136	3.35	< 10	< 1	0.12	20	0.60	510
L8600E:8350N	201	202	5	4.6	2.87	104	1160	2.0	< 2	0.78	70.5	13	140	591	1.73	< 10	< 1	0.13	20	1.00	225
L8600E:8400N	201	202	< 5	0.4	0.49	22	520	< 0.5	< 2	0.06	2.5	1	13	24	1.40	< 10	< 1	0.07	< 10	0.06	40
L8600E:8450N	201	202	< 5	0.6	0.84	34	430	0.5	< 2	2.18	13.0	11	22	108	2.17	< 10	< 1	0.09	10	0.61	250
L8600E:8500N	201	202	< 5	0.8	1.34	64	850	0.5	< 2	0.68	12.0	16	31	107	3.72	< 10	< 1	0.13	10	0.43	265
L8600E:8550N	201	202	< 5	0.8	2.05	32	790	< 0.5	< 2	0.09	2.0	6	34	33	3.27	< 10	< 1	0.08	10	0.37	210
L8600E:8600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :4-B
Total Pages :5
Certificate Date: 11-JUN-98
Invoice No. :I9820819
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820819

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	Ba ppm
L8600E:7100N	201	202	4	< 0.01	151	1290	4	< 2	15	54	0.02	< 10	< 10	181	< 10	196	1620
L8600E:7150N	201	202	13	0.01	113	3490	26	< 2	5	271	0.02	< 10	< 10	241	< 10	244	1130
L8600E:7175N	201	202	4	< 0.01	213	3600	14	< 2	18	212	0.01	< 10	< 10	147	< 10	186	1140
L8600E:7200N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:7225N	201	202	4	0.04	106	980	2	< 2	32	73	0.07	< 10	< 10	266	< 10	208	1130
L8600E:7250N	201	202	2	< 0.01	167	1000	2	< 2	29	88	0.02	< 10	< 10	161	< 10	280	2500
L8600E:7275N	201	202	22	0.03	134	1090	8	< 2	19	130	0.02	< 10	< 10	310	< 10	462	2400
L8600E:7300N	201	202	12	< 0.01	117	1000	4	< 2	22	95	0.01	< 10	< 10	225	< 10	318	2900
L8600E:7325N	201	202	85	< 0.01	102	9020	16	2	12	542	0.05	< 10	10	832	< 10	372	>10000
L8600E:7350N	201	202	55	< 0.01	93	5430	14	2	6	367	0.04	< 10	< 10	805	< 10	366	>10000
L8600E:7375N	201	202	61	< 0.01	74	3230	14	6	3	211	0.04	< 10	< 10	1035	< 10	272	>10000
L8600E:7400N	201	202	25	< 0.01	39	1370	12	< 2	< 1	168	0.02	< 10	< 10	438	< 10	160	>10000
L8600E:7425N	201	202	53	< 0.01	23	4910	14	2	3	278	0.07	< 10	< 10	818	< 10	98	>10000
L8600E:7450N	201	202	28	< 0.01	20	2810	10	< 2	2	174	0.04	< 10	< 10	501	< 10	60	5100
L8600E:7475N	201	202	78	< 0.01	517	2480	12	< 2	6	138	0.04	< 10	10	1075	< 10	1865	>10000
L8600E:7500N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:7525N	201	202	63	< 0.01	164	760	16	4	3	220	< 0.01	< 10	< 10	314	< 10	858	5300
L8600E:7550N	201	202	116	< 0.01	155	1390	14	6	5	77	0.01	< 10	10	634	< 10	588	>10000
L8600E:7600N	201	202	164	< 0.01	441	3390	14	10	12	213	0.05	10	60	901	< 10	1590	>10000
L8600E:7650N	201	202	53	< 0.01	255	1550	12	< 2	4	218	0.01	< 10	< 10	506	< 10	774	4700
L8600E:7700N	201	202	68	< 0.01	392	1830	12	< 2	5	164	0.02	< 10	< 10	539	< 10	1050	4200
L8600E:7750N	201	202	43	< 0.01	289	1080	12	< 2	5	101	0.02	< 10	< 10	374	< 10	746	3900
L8600E:7800N	201	202	25	< 0.01	125	1650	12	< 2	3	66	0.03	< 10	< 10	272	< 10	526	2200
L8600E:7850N	201	202	42	< 0.01	86	940	14	< 2	3	95	0.04	< 10	< 10	389	< 10	388	2750
L8600E:7900N	201	202	25	< 0.01	53	770	8	< 2	3	66	0.04	< 10	< 10	223	< 10	212	3600
L8600E:7950N	201	202	22	< 0.01	18	1500	12	< 2	2	61	0.02	< 10	< 10	229	< 10	76	2800
L8600E:8000N	201	202	79	0.03	27	4700	30	10	4	546	< 0.01	< 10	< 10	570	< 10	120	2300
L8600E:8050N	201	202	55	< 0.01	290	3080	14	6	8	230	0.02	< 10	10	721	< 10	1360	3900
L8600E:8100N	201	202	24	0.01	255	1150	10	< 2	7	374	0.01	< 10	< 10	854	< 10	1635	4700
L8600E:8150N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8200N	201	202	25	< 0.01	196	1540	12	< 2	3	120	0.03	< 10	< 10	339	< 10	1310	3100
L8600E:8250N	201	202	20	< 0.01	49	1120	12	< 2	4	104	0.03	< 10	< 10	293	< 10	222	6200
L8600E:8300N	201	202	97	< 0.01	715	1280	14	2	7	223	0.04	< 10	30	1170	< 10	2900	7800
L8600E:8350N	201	202	104	< 0.01	766	1440	14	14	10	162	0.04	< 10	30	3650	10	6640	3700
L8600E:8400N	201	202	40	< 0.01	36	780	8	4	1	51	0.01	< 10	< 10	210	< 10	216	1200
L8600E:8450N	201	202	46	< 0.01	259	1300	8	4	3	190	< 0.01	< 10	10	334	< 10	1050	4850
L8600E:8500N	201	202	69	< 0.01	358	1540	14	2	6	227	< 0.01	< 10	< 10	423	< 10	1660	4700
L8600E:8550N	201	202	25	< 0.01	55	650	12	< 2	3	39	0.03	< 10	< 10	340	< 10	368	2100
L8600E:8600N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8650N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

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L8600E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8750N	201	202	10	0.6	1.13	58	520	0.5	< 2	0.32	5.0	23	31	90	3.62	< 10	< 1	0.11	30	0.34	540
L8600E:8800N	201	202	< 5	0.6	1.24	30	450	< 0.5	< 2	0.09	1.0	3	32	35	3.50	< 10	< 1	0.13	10	0.26	115
L8600E:8850N	201	202	< 5	0.6	2.19	58	180	2.5	< 2	2.07	93.5	19	44	581	4.07	< 10	< 1	0.27	< 10	1.62	320
L8600E:8900N	201	202	< 5	0.6	1.25	36	850	< 0.5	< 2	0.33	5.5	10	30	60	2.82	< 10	< 1	0.12	10	0.41	245
L8600E:8950N	201	202	< 5	1.0	2.83	180	300	0.5	2	0.04	3.0	3	83	185	12.00	10	< 1	0.24	10	0.87	100
L8600E:9000N	201	202	< 5	0.6	1.38	26	700	0.5	< 2	0.08	5.5	6	32	70	2.57	< 10	< 1	0.10	10	0.71	120
L8600E:9025N	201	202	5	0.4	2.04	46	830	0.5	< 2	0.18	4.0	9	47	120	4.25	10	< 1	0.21	10	0.57	295
L8600E:9050N	201	202	< 5	1.0	1.71	48	1270	0.5	< 2	0.28	7.5	11	45	94	3.31	< 10	< 1	0.12	20	0.42	295
L8600E:9075N	201	202	< 5	1.0	1.98	46	1010	0.5	< 2	0.72	11.0	15	55	91	3.12	< 10	< 1	0.15	20	0.82	360
L8600E:9100N	201	202	< 5	2.4	1.04	40	1350	0.5	< 2	2.44	26.0	8	65	108	1.44	< 10	< 1	0.09	10	0.55	195
L8600E:9125N	201	202	5	1.6	0.92	32	1450	0.5	< 2	0.97	17.0	8	80	95	1.71	< 10	< 1	0.12	10	0.54	150
L8600E:9150N	201	202	< 5	1.4	0.78	28	1450	0.5	< 2	1.55	18.0	6	62	58	1.28	< 10	< 1	0.07	10	0.40	245
L8600E:9175N	201	202	20	5.0	0.45	216	130	< 0.5	2	0.07	3.5	1	180	149	>15.00	10	< 1	1.08	< 10	0.06	40
L8600E:9200N	201	202	< 5	1.4	0.22	12	590	< 0.5	< 2	0.88	3.5	1	80	21	0.75	< 10	< 1	0.04	10	0.06	20
L8600E:9250N	201	202	10	3.0	0.37	38	430	< 0.5	< 2	0.87	6.5	4	83	62	2.70	< 10	< 1	0.12	10	0.09	40
L8600E:9300N	201	202	10	2.4	0.65	48	1330	0.5	< 2	2.76	20.0	10	247	87	1.65	< 10	< 1	0.07	10	0.46	415
L8600E:9350N	201	202	10	3.8	1.00	42	1400	0.5	< 2	2.17	28.5	7	144	113	1.68	< 10	< 1	0.10	20	0.85	160
L8600E:9400N	201	202	10	4.8	0.90	58	1420	1.0	< 2	1.46	24.5	7	184	123	1.91	< 10	< 1	0.12	20	0.52	95
L8600E:9450N	201	202	10	5.2	1.34	96	2530	1.0	< 2	0.66	19.5	10	169	141	2.81	< 10	< 1	0.13	30	0.52	170
L8600E:9500N	201	202	< 5	1.6	0.57	20	880	< 0.5	< 2	2.98	91.5	3	17	109	0.69	< 10	< 1	0.04	< 10	0.14	140
L8600E:9550N	201	202	< 5	6.6	1.20	44	1630	0.5	< 2	1.73	42.5	5	79	158	1.71	< 10	< 1	0.10	20	0.38	145
L8600E:9600N	201	202	5	3.2	0.71	50	1430	0.5	< 2	1.42	34.0	5	77	106	1.14	< 10	< 1	0.08	10	0.29	100
L8600E:9650N	201	202	5	3.0	0.69	46	1840	0.5	< 2	1.62	13.0	6	156	75	1.46	< 10	< 1	0.08	20	0.32	200
L8600E:9700N	201	202	5	3.8	0.84	54	2460	1.0	< 2	1.68	21.5	6	116	112	1.31	< 10	< 1	0.13	30	0.45	170
L8600E:9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9900N	201	202	5	1.0	0.99	32	1240	< 0.5	< 2	0.23	2.0	3	34	26	2.24	< 10	< 1	0.07	10	0.24	135

CERTIFICATION: Hart Bielle

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

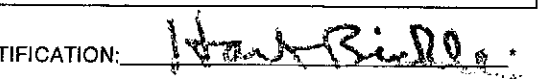
To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :5-B
Total Pages :5
Certificate Date: 11-JUN-98
Invoice No. :19820819
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820819

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	Ba ppm
L8600E:8700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:8750N	201	202	94	< 0.01	239	1830	18	4	3	119	0.01	< 10	< 10	489	< 10	912	2600
L8600E:8800N	201	202	53	< 0.01	43	890	16	2	3	74	0.04	< 10	< 10	433	< 10	176	1530
L8600E:8850N	201	202	85	< 0.01	1100	1540	18	2	10	293	0.01	< 10	10	939	< 10	2930	2000
L8600E:8900N	201	202	48	< 0.01	129	1040	14	4	4	122	0.03	< 10	< 10	349	< 10	564	2400
L8600E:8950N	201	202	235	< 0.01	181	4990	46	22	16	663	0.01	< 10	30	1785	< 10	616	4800
L8600E:9000N	201	202	38	< 0.01	122	990	18	< 2	1	126	0.02	< 10	< 10	480	< 10	574	1920
L8600E:9025N	201	202	62	< 0.01	155	1740	20	< 2	6	211	0.04	< 10	< 10	653	< 10	614	2700
L8600E:9050N	201	202	90	< 0.01	358	1800	20	2	4	158	0.03	< 10	10	761	< 10	1245	5600
L8600E:9075N	201	202	89	< 0.01	533	1370	18	2	4	171	0.03	10	10	967	< 10	2380	3800
L8600E:9100N	201	202	39	< 0.01	353	1240	8	6	4	348	0.03	< 10	10	891	< 10	2200	3100
L8600E:9125N	201	202	32	< 0.01	296	1680	10	< 2	5	230	0.05	< 10	10	930	< 10	2040	7400
L8600E:9150N	201	202	29	< 0.01	199	1300	6	2	3	207	0.03	< 10	< 10	772	< 10	1450	3300
L8600E:9175N	201	202	187	0.03	20	5910	42	8	9	289	0.01	10	< 10	754	< 10	142	9000
L8600E:9200N	201	202	14	< 0.01	45	760	2	6	1	94	0.03	< 10	< 10	427	< 10	258	3700
L8600E:9250N	201	202	28	< 0.01	99	1210	14	6	3	201	0.05	< 10	< 10	506	< 10	492	4900
L8600E:9300N	201	202	23	< 0.01	283	3610	8	6	5	358	0.04	< 10	10	1125	< 10	2090	6100
L8600E:9350N	201	202	28	< 0.01	284	1720	8	2	7	272	0.05	< 10	< 10	1230	< 10	2510	4800
L8600E:9400N	201	202	56	< 0.01	327	1970	10	6	8	260	0.03	< 10	< 10	1545	< 10	2310	5500
L8600E:9450N	201	202	45	< 0.01	346	3140	14	4	4	236	0.04	< 10	< 10	1510	< 10	2190	8200
L8600E:9500N	201	202	12	< 0.01	337	1300	2	12	1	325	0.01	< 10	< 10	244	< 10	3820	1920
L8600E:9550N	201	202	38	< 0.01	265	1350	8	6	6	201	0.03	< 10	10	1145	< 10	2840	3400
L8600E:9600N	201	202	36	< 0.01	325	1530	4	6	4	213	0.03	< 10	10	1010	< 10	2560	6200
L8600E:9650N	201	202	35	< 0.01	191	1600	8	6	4	242	0.01	< 10	< 10	995	< 10	1395	6600
L8600E:9700N	201	202	32	< 0.01	295	2170	6	4	6	318	0.03	< 10	< 10	1180	< 10	2380	6400
L8600E:9750N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9800N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9850N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8600E:9900N	201	202	21	< 0.01	27	760	12	2	2	56	0.02	< 10	< 10	319	< 10	272	2400

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

A9821564

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9821564

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	5	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 14-JUN-98
Invoice No. : I9821564
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9821564

SAMPLE	PREP CODE		Zn %
L8200E:9650N	244	--	1.24
L8200E:9750N	244	--	2.03
L8200E:9850N	244	--	1.02
L8400E:9125N	244	--	1.19
L8400E:9350N	244	--	1.26

CERTIFICATION: Ian R. Bielle

OVERLIMITS from A9820819

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

A9822378

Comments: ATTN:STEWART HARRIS

CERTIFICATE A9822378

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	4	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	4	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 22-JUN-98
Invoice No. :I9822378
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9822378

SAMPLE	PREP CODE	Zn %
L7000E 9550N	244 --	1.63
L7800E 9700N	244 --	2.08

CERTIFICATION: Hank Ficklle

OVERLIMITS from A9821728

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

A9820818

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9820818

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	24	Dry, sieve to -80 mesh
202	24	save reject
229	24	ICP - AQ Digestion charge
232	24	Perchloric-nitric-HF digestion

* 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	24	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	24	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	24	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	24	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	24	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	24	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	24	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	24	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	24	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	24	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	24	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	24	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	24	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	24	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	24	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	24	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	24	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	24	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	24	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	24	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	24	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	24	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	24	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	24	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	24	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	24	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	24	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	24	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	24	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	24	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	24	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	24	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	24	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	24	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :1
Certificate Date: 08-JUN-98
Invoice No. :I9820818
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820818

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
BL8600N:8400E	201	202	10	0.6	1.60	26	1310	0.5	< 2	0.14	4.5	4	41	73	2.29	< 10	< 1	0.09	20	0.27	90
BL8600N:8450E	201	202	10	0.2	1.86	20	430	< 0.5	< 2	0.08	< 0.5	4	41	24	3.34	< 10	< 1	0.06	10	0.21	150
BL8600N:8500E	201	202	< 5	< 0.2	1.57	24	670	< 0.5	< 2	0.09	0.5	7	35	28	3.28	< 10	< 1	0.07	10	0.44	210
BL8600N:8550E	201	202	< 5	< 0.2	1.21	10	1150	< 0.5	< 2	0.33	3.5	8	31	28	2.24	< 10	< 1	0.07	10	0.47	175
BL8600N:8650E	201	202	< 5	0.2	2.19	22	630	0.5	< 2	0.11	1.5	8	45	38	3.19	< 10	< 1	0.06	10	0.37	150
BL8600N:8700E	201	202	5	1.0	1.57	62	300	1.0	< 2	1.55	85.0	23	71	216	4.22	< 10	< 1	0.18	10	0.91	355
BL8600N:8750E	201	202	10	1.0	1.48	56	1510	0.5	< 2	2.00	31.0	33	41	196	3.20	< 10	< 1	0.12	10	1.16	565
BL8600N:8900E	201	202	< 5	1.0	1.75	64	400	1.5	< 2	0.95	15.0	18	86	120	3.68	< 10	< 1	0.16	20	0.72	375
BL8600N:8950E	201	202	< 5	0.6	1.01	22	220	< 0.5	< 2	0.82	7.0	4	44	79	2.03	< 10	< 1	0.15	10	0.44	45
BL9100N:7950E	201	202	5	0.2	1.36	34	410	< 0.5	< 2	0.05	0.5	4	34	31	3.37	< 10	< 1	0.10	30	0.17	120
BL9100N:8050E	201	202	< 5	0.4	0.52	32	370	< 0.5	< 2	1.24	38.5	16	27	75	1.39	< 10	< 1	0.11	10	0.14	160
BL9100N:8100E	201	202	< 5	0.8	2.83	62	530	1.0	< 2	0.20	12.5	36	51	178	4.51	< 10	< 1	0.19	20	1.12	455
BL9100N:8150E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BL9100N:8250E	201	202	< 5	1.2	0.82	18	360	< 0.5	< 2	0.66	6.5	5	26	55	1.55	< 10	< 1	0.09	10	0.20	70
BL9100N:8300E	201	202	< 5	0.8	0.63	28	700	< 0.5	< 2	0.04	1.0	1	25	33	1.58	< 10	< 1	0.10	10	0.08	25
BL9100N:8350E	201	202	< 5	1.8	1.25	48	360	< 0.5	< 2	0.82	15.0	13	49	109	2.62	< 10	< 1	0.14	10	0.43	190
BL9100N:8400E	201	202	< 5	1.6	1.54	66	620	0.5	< 2	0.88	10.5	12	55	126	3.53	< 10	< 1	0.16	30	0.63	180
TL8400E:8650N	201	202	< 5	0.2	0.76	8	1020	< 0.5	< 2	0.19	1.5	1	23	15	0.98	< 10	< 1	0.06	10	0.17	55
TL8400E:8700N	201	202	15	0.2	1.37	10	1000	< 0.5	< 2	0.60	44.0	33	27	36	1.68	< 10	1	0.06	10	0.35	2080
TL8400E:8750N	201	202	< 5	< 0.2	1.69	22	280	< 0.5	< 2	0.15	0.5	8	30	22	3.15	< 10	< 1	0.06	10	0.39	345
TL8400E:8800N	201	202	< 5	0.2	1.60	22	530	< 0.5	< 2	0.14	2.0	9	31	47	2.91	< 10	< 1	0.08	10	0.44	260
TL8400E:8900N	201	202	< 5	0.2	1.23	10	240	< 0.5	< 2	0.08	< 0.5	3	22	13	2.21	< 10	< 1	0.04	10	0.22	95
TL8400E:8950N	201	202	< 5	< 0.2	1.15	10	350	< 0.5	< 2	0.15	0.5	4	23	15	2.01	< 10	< 1	0.07	10	0.39	130
TL8400E:9000N	201	202	< 5	< 0.2	1.60	22	210	< 0.5	< 2	0.07	< 0.5	3	28	18	2.76	< 10	< 1	0.05	10	0.27	120
TL8400E:9050N	201	202	< 5	0.8	0.84	32	590	< 0.5	< 2	0.03	0.5	1	23	34	1.95	< 10	< 1	0.11	10	0.10	65

CERTIFICATION: Ian Bird

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
Certificate Date: 08-JUN-98
Invoice No. :I9820818
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820818

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	Ba ppm
BL8600N:8400E	201	202	33	< 0.01	61	940	14	4	4	90	0.04	< 10	< 10	270	< 10	220	5000
BL8600N:8450E	201	202	17	< 0.01	25	390	10	2	3	26	0.06	< 10	< 10	317	< 10	102	1800
BL8600N:8500E	201	202	28	< 0.01	62	530	14	2	3	39	0.04	< 10	< 10	318	< 10	270	2300
BL8600N:8550E	201	202	15	< 0.01	49	730	8	2	4	48	0.05	< 10	< 10	166	< 10	280	3300
BL8600N:8650E	201	202	19	< 0.01	84	750	10	2	3	41	0.04	< 10	< 10	297	< 10	294	2100
BL8600N:8700E	201	202	102	< 0.01	752	2640	18	8	9	269	0.03	< 10	10	954	< 10	4430	9000
BL8600N:8750E	201	202	64	< 0.01	1040	2010	14	4	6	203	0.01	< 10	10	837	< 10	5600	7700
BL8600N:8900E	201	202	112	< 0.01	720	1450	12	6	7	252	0.03	< 10	10	1520	< 10	3180	9000
BL8600N:8950E	201	202	41	< 0.01	180	1340	8	2	3	128	0.02	< 10	< 10	507	< 10	800	2300
BL9100N:7950E	201	202	43	< 0.01	41	600	16	4	3	89	0.05	< 10	< 10	468	< 10	182	3000
BL9100N:8050E	201	202	36	< 0.01	347	1190	4	6	4	171	< 0.01	< 10	< 10	514	< 10	1395	3500
BL9100N:8100E	201	202	87	< 0.01	804	1950	16	6	7	155	0.01	< 10	< 10	602	< 10	2100	2500
BL9100N:8150E	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BL9100N:8250E	201	202	21	< 0.01	166	1440	6	4	1	93	0.01	< 10	< 10	224	< 10	518	2000
BL9100N:8300E	201	202	45	< 0.01	46	930	8	4	< 1	63	< 0.01	< 10	< 10	327	< 10	126	2600
BL9100N:8350E	201	202	59	< 0.01	392	1890	8	4	1	142	0.01	< 10	< 10	739	< 10	1570	7000
BL9100N:8400E	201	202	89	< 0.01	288	1760	16	8	5	179	0.02	< 10	< 10	911	< 10	1375	5000
TL8400E:8650N	201	202	18	< 0.01	23	470	10	2	1	64	0.02	< 10	< 10	215	< 10	118	3200
TL8400E:8700N	201	202	39	< 0.01	214	770	10	2	3	84	0.02	< 10	< 10	253	< 10	708	2600
TL8400E:8750N	201	202	17	< 0.01	30	650	12	4	3	33	0.05	< 10	< 10	183	< 10	128	1460
TL8400E:8800N	201	202	35	< 0.01	86	960	14	2	3	92	0.03	< 10	< 10	330	< 10	390	2100
TL8400E:8900N	201	202	11	< 0.01	13	510	10	< 2	1	19	0.03	< 10	< 10	136	< 10	54	1060
TL8400E:8950N	201	202	17	< 0.01	24	530	8	2	2	49	0.04	< 10	< 10	155	< 10	116	1460
TL8400E:9000N	201	202	18	< 0.01	19	300	10	< 2	2	24	0.05	< 10	< 10	236	< 10	90	1080
TL8400E:9050N	201	202	45	< 0.01	29	640	12	2	1	65	0.01	< 10	< 10	322	< 10	106	2100

CERTIFICATION: Stewart Buchan

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

A9821443

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9821443

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	5	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 13-JUN-98
Invoice No. :I9821443
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9821443

SAMPLE	PREP CODE		Zn %
L8800E:8725N	244	--	2.65
L8800E:8775N	244	--	1.54
L8800E:8825N	244	--	1.52
L8800E:9500N	244	--	3.58
L9200E:7325N	244	--	1.45

CERTIFICATION: Saeed Teinaz

OVERLIMITS from A9820820

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

A9824010

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824010

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	22	Dry, sieve to -80 mesh
202	22	save reject
232	22	Perchloric-nitric-HF digestion
229	22	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	22	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
25	22	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000
2118	22	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	22	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	22	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	22	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	22	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	22	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	22	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	22	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	22	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	22	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	22	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	22	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	22	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	22	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	22	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	22	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	22	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	22	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	22	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	22	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	22	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	22	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	22	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	22	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	22	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	22	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	22	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	22	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	22	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	22	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	22	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	22	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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 1
Certificate Date: 23-JUL-98
Invoice No. : I9824010
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824010

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
TB-S66	201	202	< 5	2440	0.8	1.93	40	580	0.5	< 2	0.17	6.0	17	59	75	3.27	< 10	< 1	0.10	30	0.56
TB-S67	201	202	< 5	880	< 0.2	1.65	20	170	< 0.5	< 2	0.06	0.5	8	32	23	3.13	< 10	< 1	0.04	10	0.31
TB-S68	201	202	< 5	3160	1.0	1.36	36	1170	0.5	2	0.49	8.5	11	37	73	2.55	< 10	< 1	0.07	10	0.23
TB-S69	201	202	< 5	9000	1.0	1.05	96	180	< 0.5	< 2	0.08	3.5	9	34	111	4.72	< 10	< 1	0.22	10	0.16
TB-S70	201	202	< 5	9600	0.8	0.69	80	300	< 0.5	2	0.02	1.5	3	19	55	4.59	< 10	< 1	0.21	10	0.05
98MJS-045	201	202	25	9000	1.2	1.31	64	680	0.5	< 2	2.27	24.5	26	51	194	3.32	< 10	< 1	0.12	10	1.51
98MJS-046	201	202	< 5	9400	0.8	0.79	36	600	< 0.5	< 2	1.29	24.5	12	32	75	2.12	< 10	< 1	0.11	10	0.58
98MJS-047	201	202	< 5	9200	1.8	1.53	102	290	0.5	2	4.51	85.5	23	50	239	5.50	< 10	< 1	0.22	10	0.35
98MJS-048	201	202	< 5	>10000	9.6	1.21	82	1620	1.5	< 2	5.68	78.5	8	176	335	1.54	10	2	0.17	10	2.62
98MJS-049	201	202	< 5	>10000	6.6	1.36	90	1150	1.5	< 2	6.48	101.5	19	212	310	1.93	10	2	0.22	20	1.89
98MJS-050	201	202	30	9000	9.2	1.06	84	800	1.5	< 2	5.06	122.5	12	188	395	1.37	10	3	0.18	20	2.00
98MJS-051	201	202	< 5	8000	3.6	1.17	56	770	1.5	< 2	4.31	51.0	8	128	207	1.99	< 10	< 1	0.17	10	3.22

CERTIFICATION: Stewart Buchan

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
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Invoice No. :19824010
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824010

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
TB-S66	201	202	365	82	< 0.01	413	530	14	6	6	34	0.04	< 10	< 10	659	< 10	1270
TB-S67	201	202	195	23	< 0.01	64	260	14	2	3	12	0.03	< 10	< 10	190	< 10	208
TB-S68	201	202	310	57	< 0.01	283	1160	12	4	1	89	0.01	< 10	< 10	393	< 10	798
TB-S69	201	202	200	161	0.02	118	1230	22	14	3	262	0.01	10	< 10	310	< 10	590
TB-S70	201	202	55	163	0.03	92	940	22	20	2	182	< 0.01	< 10	< 10	211	< 10	344
98MJS-045	201	202	290	129	< 0.01	574	2840	14	10	6	435	0.01	10	< 10	1385	< 10	2520
98MJS-046	201	202	325	51	< 0.01	376	1430	4	8	3	184	0.01	< 10	< 10	526	< 10	2250
98MJS-047	201	202	605	141	< 0.01	751	3100	14	16	6	407	0.01	10	40	694	< 10	6980
98MJS-048	201	202	320	137	< 0.01	745	2200	16	6	7	451	0.12	20	< 10	3280	< 10	8490
98MJS-049	201	202	350	168	< 0.01	796	2050	14	8	7	340	0.19	10	< 10	4450	< 10	>10000
98MJS-050	201	202	350	84	< 0.01	957	2160	10	10	7	311	0.11	10	< 10	4220	< 10	>10000
98MJS-051	201	202	390	67	< 0.01	476	1670	8	8	8	325	0.10	10	10	2420	< 10	5560

CERTIFICATION: Stewart Harris

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

A9824679

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824679

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
217	37	Geochem ring entire sample
201	229	Dry, sieve to -80 mesh
202	229	save reject
232	266	Perchloric-nitric-HF digestion
229	266	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	266	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
866	266	Fusion weight in grams	BALANCE	0.01	30.00
25	266	Ba ppm: HC104-HNO3-HF digestion	AAS	10	10000
2118	266	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	266	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	266	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	266	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	266	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	266	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	266	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	266	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	266	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	266	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	266	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	266	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	266	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	266	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	266	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	266	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	266	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	266	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	266	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	266	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	266	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	266	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	266	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	266	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	266	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	266	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	266	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	266	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	266	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	266	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	266	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	266	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted] Num[redacted]1-A [redacted]
Total Pages :7
Certificate Date: 29-JUL-98
Invoice No. :I9824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PB 0000E 025S	201	202	< 5	30.00	6000	1.8	0.81	20	1220	1.5	< 2	0.19	3.5	1	107	84	1.46	< 10	< 1	0.15	50
PB 0000E 050S	201	202	< 5	30.00	1500	1.0	1.25	32	440	0.5	< 2	0.13	0.5	5	50	61	3.40	< 10	< 1	0.13	10
PB 0000E 075S	201	202	< 5	30.00	800	0.2	1.24	20	170	< 0.5	< 2	0.05	< 0.5	3	27	15	3.03	< 10	< 1	0.05	10
PB 0000E 100S	201	202	< 5	30.00	1360	0.4	1.65	22	380	0.5	< 2	0.16	0.5	8	36	34	2.85	< 10	1	0.11	20
PB 0000E 150S	201	202	10	30.00	1640	0.8	1.04	18	480	< 0.5	< 2	0.33	1.5	1	46	43	1.75	< 10	< 1	0.10	20
PB 0000E 175S	217	232	< 5	15.00	600	0.4	0.26	6	340	< 0.5	< 2	2.54	10.0	3	16	46	0.44	< 10	1	0.04	< 10
PB 0000E 200S	201	202	15	30.00	2800	1.0	1.45	54	700	1.0	< 2	0.99	9.5	17	45	148	6.35	< 10	2	0.34	30
PB 0000E 225S	201	202	< 5	30.00	1700	0.6	0.85	18	890	< 0.5	< 2	0.48	2.0	7	25	92	2.65	< 10	< 1	0.10	10
PB 0000E 250S	201	202	30	30.00	5400	0.2	2.52	98	130	1.5	< 2	0.17	4.0	53	46	235	11.65	< 10	1	0.39	30
PB 0000E 275S	201	202	< 5	30.00	1800	< 0.2	1.73	20	640	0.5	< 2	0.16	1.5	25	38	76	4.50	< 10	< 1	0.17	20
PB 0000E 300S	201	202	10	30.00	1440	< 0.2	2.15	28	380	0.5	< 2	0.10	0.5	27	40	114	7.17	< 10	< 1	0.36	20
PB 0000E 350S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
PB 0400E 025S	201	202	30	30.00	5200	1.6	1.01	42	880	1.0	< 2	0.11	2.5	6	44	219	1.88	< 10	< 1	0.11	30
PB 0400E 050S	201	202	< 5	30.00	4000	2.4	1.31	70	450	0.5	< 2	0.06	< 0.5	3	79	100	4.50	< 10	1	0.36	40
PB 0400E 075S	201	202	< 5	30.00	4000	4.2	1.63	60	1130	1.5	< 2	0.10	0.5	4	201	142	3.86	< 10	< 1	0.18	30
PB 0400E 100S	201	202	5	30.00	3400	2.4	0.74	14	1840	0.5	< 2	0.14	1.5	< 1	93	41	1.29	< 10	< 1	0.07	20
PB 0400E 150S	201	202	10	15.00	1960	14.2	2.10	48	1200	0.5	< 2	0.05	1.5	1	154	142	2.75	< 10	< 1	0.15	20
PB 0400E 175S	201	202	< 5	30.00	3600	4.0	1.48	60	1550	1.0	< 2	0.28	2.0	5	122	74	3.20	< 10	< 1	0.20	30
PB 0400E 200S	201	202	< 5	10.00	>10000	2.2	0.95	26	>10000	0.5	< 2	2.99	41.0	5	72	158	0.98	< 10	< 1	0.14	10
PB 0400E 225S	201	202	< 5	30.00	4600	1.8	0.88	16	1500	0.5	< 2	0.22	0.5	1	56	36	1.90	< 10	< 1	0.07	20
PB 0400E 250S	201	202	15	30.00	2500	2.0	2.04	34	830	1.5	< 2	0.88	3.5	16	126	122	3.71	< 10	< 1	0.13	30
PB 0400E 275S	217	232	15	30.00	1040	0.2	0.84	6	310	< 0.5	< 2	0.68	1.5	7	167	48	1.91	< 10	< 1	0.11	< 10
PB 0400E 300S	217	232	10	30.00	1280	0.2	1.04	20	270	< 0.5	< 2	0.16	< 0.5	10	165	53	2.55	< 10	< 1	0.13	10
PB 0400E 350S	217	232	5	30.00	1160	0.2	0.94	14	400	< 0.5	< 2	0.71	< 0.5	8	257	76	2.27	< 10	< 1	0.13	< 10
PB 0400E 400S	201	202	< 5	15.00	500	0.2	0.35	< 2	160	< 0.5	< 2	0.96	0.5	3	11	17	0.83	< 10	< 1	0.04	< 10
PB 0400E 425S	201	202	10	30.00	1400	< 0.2	1.97	6	560	0.5	< 2	0.95	0.5	34	50	126	5.08	< 10	< 1	0.13	30
PB 0400E 450S	201	202	< 5	30.00	640	< 0.2	1.76	6	140	< 0.5	< 2	0.09	< 0.5	8	35	25	4.08	< 10	1	0.09	20
PB 0400E 475S	217	232	< 5	30.00	800	< 0.2	0.86	< 2	310	< 0.5	< 2	0.05	< 0.5	14	147	29	2.39	< 10	< 1	0.14	10
PB 0400E 500N	201	202	10	30.00	2200	0.6	1.62	54	740	0.5	< 2	0.50	2.0	14	47	51	5.25	< 10	< 1	0.24	40
PB 0800E 025S	201	202	< 5	30.00	>10000	2.8	1.30	< 2	6090	0.5	< 2	0.45	5.5	3	57	49	1.11	< 10	< 1	0.07	20
PB 0800E 050S	201	202	< 5	30.00	>10000	2.0	1.31	40	3720	1.0	< 2	0.77	6.5	9	72	54	1.94	< 10	< 1	0.13	30
PB 0800E 075S	201	202	< 5	30.00	>10000	2.2	1.15	28	4690	0.5	< 2	1.27	19.0	10	56	79	1.89	< 10	1	0.08	10
PB 0800E 100S	201	202	< 5	30.00	>10000	2.4	1.40	48	4490	1.0	< 2	0.69	5.0	8	76	57	1.82	< 10	< 1	0.13	30
PB 0800E 125S	201	202	< 5	30.00	>10000	2.8	1.35	36	1300	0.5	< 2	1.21	16.0	12	68	96	2.31	< 10	< 1	0.14	20
PB 0800E 150S	201	202	< 5	30.00	>10000	2.6	1.21	34	1030	1.0	< 2	1.29	16.0	11	63	84	2.27	< 10	< 1	0.18	20
PB 0800E 175S	217	232	< 5	30.00	10000	2.6	0.65	22	490	0.5	< 2	0.35	0.5	1	179	47	2.01	< 10	< 1	0.22	20
PB 0800E 200S	217	232	< 5	30.00	10000	1.8	0.63	22	1110	1.0	< 2	0.40	1.5	1	197	41	1.44	< 10	< 1	0.17	20
PB 0800E 225S	217	232	< 5	30.00	>10000	2.2	0.65	26	900	1.0	< 2	1.30	4.0	1	188	52	1.29	< 10	< 1	0.19	20
PB 0800E 250S	201	202	< 5	15.00	>10000	1.2	0.49	2	>10000	< 0.5	< 2	0.80	18.5	1	15	39	0.59	< 10	< 1	0.03	< 10
PB 0800E 275S	201	202	< 5	30.00	4800	1.8	1.06	8	2540	0.5	< 2	0.19	4.0	4	35	38	2.07	< 10	< 1	0.08	20

CERTIFICATION: Stewart Buchler

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted] Number [redacted]1-B
Total Pages :7
Certificate Date: 29-JUL-98
Invoice No. :I9824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Mg %	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
PB 0000E 025S	201	202	0.09	25	42	< 0.01	40	1710	12	4	< 1	140	< 0.01	< 10	< 10	1250	< 10	110
PB 0000E 050S	201	202	0.22	140	52	0.01	89	1130	14	8	2	101	0.03	< 10	< 10	343	< 10	214
PB 0000E 075S	201	202	0.14	85	25	< 0.01	11	270	10	< 2	2	11	0.06	< 10	< 10	287	< 10	42
PB 0000E 100S	201	202	0.40	220	22	< 0.01	38	680	10	< 2	4	29	0.05	< 10	< 10	209	< 10	134
PB 0000E 150S	201	202	0.21	35	7	< 0.01	22	1420	12	< 2	1	31	< 0.01	< 10	< 10	255	< 10	96
PB 0000E 175S	217	232	0.15	235	6	0.01	41	1370	4	< 2	1	77	< 0.01	< 10	< 10	23	< 10	170
PB 0000E 200S	201	202	0.36	795	16	0.08	122	2330	22	12	6	114	< 0.01	< 10	< 10	177	< 10	650
PB 0000E 225S	201	202	0.16	115	4	0.02	47	1660	8	2	2	35	< 0.01	< 10	< 10	54	< 10	110
PB 0000E 250S	201	202	0.42	2740	3	0.14	280	2280	16	12	13	92	< 0.01	< 10	< 10	65	< 10	1430
PB 0000E 275S	201	202	0.38	1915	3	0.03	66	1110	16	4	5	33	0.04	< 10	< 10	83	< 10	278
PB 0000E 300S	201	202	0.38	3090	3	0.10	67	1780	14	4	9	43	0.05	< 10	< 10	120	< 10	250
PB 0000E 350S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
PB 0400E 025S	201	202	0.16	85	87	0.01	154	1470	16	14	5	276	0.04	< 10	< 10	610	< 10	414
PB 0400E 050S	201	202	0.39	80	132	0.03	57	1920	22	6	6	130	0.03	< 10	< 10	764	< 10	220
PB 0400E 075S	201	202	0.64	80	30	0.01	131	2670	12	2	4	227	< 0.01	< 10	< 10	479	< 10	444
PB 0400E 100S	201	202	0.17	15	11	< 0.01	23	1790	8	< 2	< 1	90	< 0.01	< 10	< 10	241	< 10	72
PB 0400E 150S	201	202	0.34	30	86	< 0.01	39	2880	12	12	6	115	0.03	< 10	< 10	1315	< 10	140
PB 0400E 175S	201	202	0.37	115	66	< 0.01	78	2810	14	6	5	136	0.05	< 10	< 10	1690	< 10	300
PB 0400E 200S	201	202	0.68	200	44	< 0.01	393	2260	6	4	3	1825	0.05	< 10	< 10	1445	< 10	3780
PB 0400E 225S	201	202	0.19	25	12	< 0.01	19	1500	10	2	< 1	72	< 0.01	< 10	< 10	218	< 10	66
PB 0400E 250S	201	202	1.01	490	19	< 0.01	115	2120	12	2	8	111	< 0.01	< 10	< 10	647	< 10	484
PB 0400E 275S	217	232	0.36	310	1	< 0.01	32	1040	2	2	3	35	< 0.01	< 10	< 10	49	< 10	118
PB 0400E 300S	217	232	0.45	560	1	0.01	33	1050	4	6	3	22	< 0.01	< 10	< 10	67	< 10	100
PB 0400E 350S	217	232	0.32	590	2	0.01	34	1690	6	< 2	3	53	< 0.01	< 10	< 10	49	< 10	90
PB 0400E 400S	201	202	0.09	40	2	< 0.01	8	1030	< 2	< 2	2	38	0.01	< 10	< 10	31	< 10	26
PB 0400E 425S	201	202	0.72	2680	3	0.01	89	1350	10	2	12	57	0.03	< 10	< 10	112	< 10	194
PB 0400E 450S	201	202	0.24	705	4	< 0.01	18	590	10	< 2	3	16	0.07	< 10	< 10	140	< 10	74
PB 0400E 475S	217	232	0.17	2160	2	0.01	37	450	12	< 2	1	13	0.03	< 10	< 10	74	< 10	54
PB 0400E 500N	201	202	0.16	6150	6	0.02	57	4520	24	8	1	76	0.01	< 10	< 10	113	< 10	264
PB 0800E 025S	201	202	0.36	60	9	< 0.01	69	1690	8	< 2	1	155	0.01	< 10	< 10	436	< 10	474
PB 0800E 050S	201	202	0.55	210	21	< 0.01	100	2190	10	6	4	154	0.03	< 10	< 10	831	< 10	944
PB 0800E 075S	201	202	0.47	685	20	0.01	124	1970	8	2	3	233	0.02	< 10	< 10	515	< 10	1000
PB 0800E 100S	201	202	0.56	195	19	< 0.01	96	2150	12	< 2	5	137	0.03	< 10	< 10	826	< 10	866
PB 0800E 125S	201	202	0.52	480	18	0.01	157	2300	12	4	4	171	0.01	< 10	< 10	539	< 10	1205
PB 0800E 150S	201	202	0.61	330	22	0.01	147	2440	12	2	4	168	0.01	< 10	< 10	706	< 10	1255
PB 0800E 175S	217	232	0.13	20	13	0.01	38	2630	10	< 2	1	97	< 0.01	< 10	< 10	341	< 10	152
PB 0800E 200S	217	232	0.08	25	19	0.01	47	2790	12	2	1	82	0.01	< 10	< 10	713	< 10	182
PB 0800E 225S	217	232	0.11	35	23	0.01	48	6930	8	6	2	185	0.01	< 10	< 10	839	< 10	194
PB 0800E 250S	201	202	0.09	195	7	0.01	70	1250	2	8	< 1	736	< 0.01	< 10	< 10	231	< 10	644
PB 0800E 275S	201	202	0.22	90	15	< 0.01	34	1540	12	4	< 1	40	< 0.01	< 10	< 10	338	< 10	170

CERTIFICATION: Stewart Buchanan

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :2-A
Total Pages :7
Certificate Date: 29-JUL-98
Invoice No. :19824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PB 0800E 300S	201	202	< 5	30.00	7600	2.4	0.94	26	2150	0.5	< 2	0.31	6.0	3	34	46	1.80	< 10	< 1	0.07	20
PB 0800E 325S	201	202	< 5	15.00	8000	2.0	0.80	4	2630	< 0.5	< 2	0.35	4.5	5	34	37	1.63	< 10	< 1	0.09	10
PB 0800E 350S	201	202	< 5	30.00	8400	1.4	1.07	6	2870	< 0.5	< 2	0.66	3.5	6	41	42	1.58	< 10	< 1	0.09	10
PB 0800E 375S	201	202	< 5	30.00	7000	1.6	0.96	8	2080	0.5	< 2	0.76	7.0	7	36	73	1.95	< 10	< 1	0.10	10
PB 0800E 400S	201	202	< 5	30.00	4000	1.4	1.22	44	1880	0.5	< 2	0.45	4.0	6	37	77	1.70	< 10	< 1	0.12	10
PB 0800E 425S	201	202	50	30.00	1500	2.0	1.83	24	560	1.5	< 2	2.34	3.0	13	61	223	3.32	< 10	< 1	0.37	30
PB 0800E 450S	201	202	65	30.00	1760	2.4	1.81	24	540	1.5	< 2	2.17	3.0	10	62	317	3.46	< 10	1	0.36	30
PB 0800E 475S	201	202	10	15.00	1120	1.0	1.62	12	450	0.5	< 2	2.15	2.0	11	51	212	3.03	< 10	< 1	0.14	10
PB 0800E 500S	201	202	20	30.00	1200	1.4	1.76	6	360	1.0	< 2	2.13	2.0	19	52	150	3.80	< 10	< 1	0.31	30
PB 0800E 525S	201	202	25	15.00	1680	1.6	2.09	8	560	1.5	< 2	0.91	3.0	28	69	187	4.04	< 10	< 1	0.28	30
PB 0800E 550S	201	202	15	15.00	940	1.6	1.40	8	490	0.5	< 2	0.60	2.5	4	46	129	1.70	< 10	< 1	0.22	10
PB 0800E 575S	201	202	10	15.00	680	0.6	0.74	< 2	270	< 0.5	< 2	1.12	0.5	1	21	84	1.00	< 10	1	0.15	< 10
PB 0800E 600S	201	202	30	15.00	1100	2.0	1.38	8	470	0.5	< 2	2.07	2.5	8	46	256	2.65	< 10	< 1	0.30	10
PB 0800E 625S	201	202	55	15.00	1400	0.6	2.40	< 2	670	1.5	< 2	0.82	< 0.5	14	61	310	4.79	< 10	< 1	0.50	30
PB 1000E 025S	201	202	20	30.00	1660	0.8	1.42	6	540	< 0.5	< 2	0.23	1.5	5	45	22	1.69	< 10	< 1	0.10	10
PB 1000E 050S	201	202	< 5	30.00	2200	0.8	1.69	8	1060	0.5	< 2	0.32	2.5	8	54	35	1.99	< 10	< 1	0.10	10
PB 1000E 075S	201	202	< 5	30.00	2360	1.0	1.57	< 2	940	0.5	< 2	0.34	3.0	14	54	31	2.24	< 10	< 1	0.09	10
PB 1000E 100S	201	202	< 5	30.00	2000	0.8	1.57	6	790	0.5	< 2	0.40	3.0	22	56	29	2.69	< 10	2	0.08	10
PB 1000E 125S	201	202	< 5	30.00	2320	1.0	1.47	32	1100	0.5	< 2	0.41	4.0	15	54	33	2.58	< 10	< 1	0.08	10
PB 1000E 150S	201	202	< 5	30.00	1940	1.2	1.59	20	750	0.5	< 2	0.52	2.5	15	58	34	2.63	< 10	< 1	0.09	10
PB 1000E 175S	201	202	< 5	30.00	2100	0.8	1.92	20	800	0.5	< 2	0.90	2.0	17	66	28	2.55	< 10	< 1	0.15	10
PB 1000E 200S	201	202	< 5	30.00	2000	1.2	1.99	26	940	0.5	< 2	1.34	35.0	24	60	89	2.35	< 10	< 1	0.15	10
PB 1000E 225S	217	232	20	15.00	1400	0.6	0.80	6	510	0.5	< 2	2.98	38.0	4	39	163	1.18	< 10	< 1	0.08	< 10
PB 1000E 250S	201	202	5	30.00	2800	2.0	1.57	28	930	1.0	< 2	1.58	24.0	10	52	117	2.40	< 10	< 1	0.15	10
PB 1000E 275S	201	202	20	30.00	2500	0.6	2.15	6	710	1.0	< 2	1.18	3.0	15	62	103	3.57	< 10	< 1	0.27	30
PB 1000E 300S	201	202	15	30.00	1920	0.4	2.19	8	650	1.0	< 2	1.17	4.0	13	64	110	3.53	< 10	< 1	0.32	30
PB 1000E 325S	201	202	15	30.00	2400	0.6	2.20	6	1240	0.5	< 2	1.49	1.0	10	62	95	3.15	< 10	< 1	0.25	20
PB 1000E 350S	201	202	15	30.00	>10000	0.8	1.72	6	1950	0.5	< 2	1.46	3.5	9	65	136	2.90	< 10	< 1	0.16	10
PB 1000E 375S	201	202	5	30.00	>10000	1.4	1.14	34	>10000	1.0	< 2	0.45	13.0	7	53	112	2.33	< 10	< 1	0.15	10
PB 1000E 400S	201	202	< 5	15.00	>10000	1.6	0.79	36	210	1.0	< 2	1.09	2.0	1	49	68	1.51	< 10	< 1	0.13	10
PB 1000E 425S	201	202	20	30.00	8800	3.4	1.11	50	130	0.5	< 2	1.09	3.0	7	63	120	4.54	< 10	< 1	0.30	10
PB 1000E 450S	201	202	50	15.00	1200	0.4	1.06	< 2	370	< 0.5	< 2	2.79	0.5	8	32	98	2.09	< 10	< 1	0.08	< 10
PB 1000E 475S	217	232	< 5	30.00	1500	0.2	1.14	< 2	390	< 0.5	< 2	2.35	0.5	6	42	76	1.69	< 10	< 1	0.15	10
PB 1000E 500S	217	232	5	30.00	1360	< 0.2	1.65	< 2	530	0.5	< 2	1.31	< 0.5	13	99	68	3.09	< 10	< 1	0.23	10
PB 1000E 525S	201	202	5	10.00	1600	0.8	2.01	10	720	1.0	< 2	1.28	0.5	11	49	132	3.42	< 10	< 1	0.28	20
PB 1000E 550S	201	202	35	30.00	1600	1.4	1.87	< 2	640	1.0	< 2	0.94	0.5	9	63	177	3.34	< 10	< 1	0.34	20
PB 1000E 575S	217	232	20	30.00	1500	0.2	2.25	< 2	540	1.0	< 2	0.91	< 0.5	7	141	142	3.10	< 10	< 1	0.64	10
PB 1000E 600S	201	202	30	30.00	1000	0.6	1.11	< 2	350	< 0.5	< 2	0.36	< 0.5	5	43	112	2.80	< 10	< 1	0.14	10
PB 1400E 025S	201	202	< 5	30.00	3440	1.0	1.46	30	1140	0.5	< 2	0.25	3.0	9	37	64	2.81	< 10	< 1	0.10	10
PB 1400E 050S	201	202	< 5	30.00	2600	0.6	1.01	6	840	0.5	< 2	0.17	2.0	6	29	55	2.33	< 10	< 1	0.09	10

CERTIFICATION: [signature]

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CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Mg %	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
PB 0800E 300S	201	202	0.29	80	10	< 0.01	34	1730	8	2	1	50	< 0.01	< 10	< 10	318	< 10	212
PB 0800E 325S	201	202	0.34	85	16	< 0.01	58	1460	8	10	< 1	74	< 0.01	< 10	< 10	308	< 10	390
PB 0800E 350S	201	202	0.35	95	12	< 0.01	53	1420	6	12	1	76	0.01	< 10	< 10	225	< 10	340
PB 0800E 375S	201	202	0.25	245	25	0.01	77	1970	8	6	< 1	112	0.01	< 10	< 10	272	< 10	490
PB 0800E 400S	201	202	0.25	140	23	< 0.01	65	1390	14	10	1	125	0.03	< 10	< 10	303	< 10	356
PB 0800E 425S	201	202	0.92	245	16	0.02	62	4450	24	10	6	182	0.01	< 10	< 10	299	< 10	378
PB 0800E 450S	201	202	0.94	335	17	0.02	61	5980	30	8	6	241	0.01	< 10	< 10	306	< 10	356
PB 0800E 475S	201	202	0.82	575	6	0.01	41	2080	6	10	6	162	0.01	< 10	< 10	127	< 10	192
PB 0800E 500S	201	202	1.01	400	10	0.01	61	2850	18	14	5	107	0.01	< 10	< 10	159	< 10	234
PB 0800E 525S	201	202	1.05	740	9	0.02	57	4430	32	2	5	151	0.01	< 10	< 10	256	< 10	318
PB 0800E 550S	201	202	0.40	55	3	< 0.01	23	2640	20	4	1	92	< 0.01	< 10	< 10	179	< 10	122
PB 0800E 575S	201	202	0.25	30	5	0.01	17	2060	6	12	1	71	0.01	10	< 10	71	< 10	74
PB 0800E 600S	201	202	0.64	270	12	0.01	50	4690	14	12	3	215	0.01	< 10	< 10	208	< 10	218
PB 0800E 625S	201	202	0.93	710	9	0.01	57	3430	18	8	6	151	0.01	< 10	< 10	176	< 10	186
PB 1000E 025S	201	202	0.41	125	20	< 0.01	48	770	10	2	3	56	0.04	< 10	< 10	371	< 10	344
PB 1000E 050S	201	202	0.64	115	9	< 0.01	58	1020	10	14	4	50	0.04	< 10	< 10	295	< 10	458
PB 1000E 075S	201	202	0.60	660	11	< 0.01	55	1330	10	10	4	52	0.04	< 10	< 10	327	< 10	518
PB 1000E 100S	201	202	0.68	1240	19	< 0.01	59	1250	14	8	3	44	0.03	< 10	< 10	357	< 10	552
PB 1000E 125S	201	202	0.58	400	14	< 0.01	53	1270	8	10	4	47	0.03	< 10	< 10	314	< 10	438
PB 1000E 150S	201	202	0.67	625	20	< 0.01	63	1710	10	10	4	65	0.03	< 10	< 10	416	< 10	548
PB 1000E 175S	201	202	0.87	775	15	< 0.01	53	1600	12	8	5	79	0.04	< 10	< 10	399	< 10	436
PB 1000E 200S	201	202	0.78	4420	16	< 0.01	134	1710	16	6	6	99	0.03	< 10	< 10	357	< 10	932
PB 1000E 225S	217	232	0.35	760	6	0.01	235	1860	6	12	1	159	< 0.01	< 10	< 10	147	< 10	976
PB 1000E 250S	201	202	0.78	265	10	< 0.01	210	2490	10	6	5	118	0.01	< 10	< 10	398	< 10	2010
PB 1000E 275S	201	202	1.14	435	7	0.01	70	2490	16	8	7	93	0.01	< 10	< 10	126	< 10	348
PB 1000E 300S	201	202	1.10	320	6	0.01	70	2380	12	10	7	92	0.01	< 10	< 10	133	< 10	304
PB 1000E 325S	201	202	1.03	500	6	< 0.01	40	2110	10	8	7	95	0.01	< 10	< 10	126	< 10	162
PB 1000E 350S	201	202	0.87	220	14	0.01	93	2230	10	16	6	147	0.01	< 10	< 10	286	< 10	354
PB 1000E 375S	201	202	0.28	220	43	< 0.01	201	1810	8	6	5	245	0.08	10	< 10	718	< 10	1025
PB 1000E 400S	201	202	0.18	40	41	< 0.01	59	1590	4	10	2	127	0.06	< 10	< 10	644	< 10	134
PB 1000E 425S	201	202	0.56	165	39	0.02	69	2350	24	10	5	403	0.01	< 10	< 10	329	< 10	356
PB 1000E 450S	201	202	0.61	410	5	0.01	29	1680	8	8	4	102	0.03	< 10	< 10	89	< 10	106
PB 1000E 475S	217	232	0.51	380	4	0.01	22	1680	6	4	4	131	0.02	< 10	< 10	76	< 10	64
PB 1000E 500S	217	232	0.94	405	4	0.01	26	1650	8	< 2	5	76	0.01	< 10	< 10	102	< 10	92
PB 1000E 525S	201	202	0.85	400	7	0.01	40	2520	14	4	5	102	0.01	< 10	< 10	116	< 10	120
PB 1000E 550S	201	202	0.71	305	10	0.01	38	3340	18	8	3	135	0.01	< 10	< 10	206	< 10	170
PB 1000E 575S	217	232	1.08	150	5	0.01	32	4280	10	10	5	125	0.01	< 10	< 10	159	< 10	148
PB 1000E 600S	201	202	0.26	160	6	0.01	25	2130	18	6	< 1	61	0.01	< 10	< 10	105	< 10	90
PB 1400E 025S	201	202	0.41	255	31	< 0.01	83	1320	16	10	3	96	0.04	< 10	< 10	257	< 10	488
PB 1400E 050S	201	202	0.25	145	33	< 0.01	64	1080	16	10	2	92	0.05	< 10	< 10	229	< 10	308

CERTIFICATION: Stewart Buchl

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: [redacted]UITY [redacted]NEER [redacted]TD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted]ge Nu[redacted] :3-A[redacted]
Total Pages :7
Certificate Date: 29-JUL-98
Invoice No. :I9824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PB 1400E 075S	201	202	10	30.00	2600	0.8	0.97	20	890	0.5	< 2	0.17	3.0	6	27	59	2.33	< 10	< 1	0.12	10
PB 1400E 100S	201	202	10	30.00	1480	0.2	1.65	36	640	0.5	< 2	0.18	3.5	8	34	43	2.61	< 10	1	0.11	10
PB 1400E 125S	201	202	10	30.00	1920	0.6	1.00	38	660	0.5	< 2	0.29	10.0	8	24	68	2.42	< 10	< 1	0.10	10
PB 1400E 150S	201	202	10	30.00	7000	1.2	1.53	8	2280	0.5	< 2	0.77	23.5	12	48	95	2.29	< 10	< 1	0.11	10
PB 1400E 175S	201	202	< 5	30.00	>10000	1.0	1.23	30	1650	0.5	< 2	0.85	22.5	11	53	75	2.36	< 10	< 1	0.14	10
PB 1400E 200S	201	202	< 5	30.00	>10000	1.4	1.35	30	1900	0.5	< 2	0.77	17.0	8	54	93	2.34	< 10	< 1	0.10	10
PB 1400E 225S	201	202	< 5	30.00	>10000	1.6	1.36	26	1700	1.0	< 2	0.86	33.5	10	64	104	2.57	< 10	< 1	0.12	10
PB 1400E 250S	201	202	< 5	30.00	3400	1.0	2.06	< 2	2060	0.5	< 2	0.47	3.0	12	52	62	3.52	< 10	3	0.09	10
PB 1400E 275S	201	202	< 5	30.00	2600	0.6	2.08	< 2	1730	0.5	< 2	0.34	1.5	8	55	47	3.19	< 10	2	0.10	10
PB 1400E 300S	201	202	< 5	30.00	3600	0.8	1.94	< 2	2170	0.5	< 2	0.51	3.0	17	54	51	2.93	< 10	< 1	0.11	10
PB 1400E 325S	201	202	< 5	30.00	3000	0.8	1.93	< 2	1870	0.5	< 2	0.35	1.5	12	55	61	2.98	< 10	< 1	0.09	10
PB 1400E 350S	201	202	15	30.00	6000	1.0	1.98	6	2980	0.5	< 2	0.48	2.5	15	57	79	3.24	< 10	< 1	0.10	10
PB 1400E 375S	201	202	5	30.00	5000	0.8	2.09	6	2830	0.5	< 2	0.44	3.0	14	61	77	3.33	< 10	< 1	0.13	10
PB 1400E 400S	201	202	10	30.00	4800	1.6	2.55	< 2	3070	0.5	< 2	0.64	3.0	18	73	95	3.99	< 10	< 1	0.17	20
PB 1400E 425S	201	202	10	30.00	6000	0.2	0.76	20	1310	< 0.5	< 2	0.24	0.5	6	25	32	1.21	< 10	< 1	0.08	< 10
PB 1400E 450S	201	202	20	30.00	2400	1.2	2.36	< 2	1310	1.0	< 2	0.56	1.5	9	58	95	2.99	< 10	< 1	0.24	20
PB 1400E 475S	201	202	20	30.00	2260	1.4	2.33	20	1040	1.0	< 2	1.04	2.0	11	58	131	3.09	< 10	< 1	0.29	20
PB 1800E 025S	217	232	< 5	30.00	1900	0.8	0.54	18	1060	< 0.5	< 2	0.07	1.0	1	209	49	1.50	< 10	< 1	0.12	10
PB 1800E 050S	201	202	< 5	30.00	3200	2.6	1.15	30	1460	0.5	< 2	0.21	4.5	2	33	73	2.19	< 10	< 1	0.18	30
PB 1800E 075S	201	202	< 5	30.00	7000	1.6	0.99	24	2450	0.5	< 2	0.22	3.0	3	39	71	2.55	< 10	< 1	0.13	20
PB 1800E 100S	201	202	10	30.00	6400	2.2	0.82	46	1600	0.5	< 2	0.40	5.0	2	64	70	1.83	< 10	< 1	0.15	10
PB 1800E 125S	201	202	< 5	30.00	5600	1.8	0.92	38	1210	1.0	< 2	0.37	3.0	3	81	83	1.77	< 10	2	0.15	20
PB 1800E 150S	201	202	10	30.00	>10000	1.0	1.03	24	1190	0.5	< 2	0.66	6.0	8	64	93	2.63	< 10	< 1	0.12	10
PB 1800E 175S	201	202	5	30.00	6200	1.4	0.77	36	870	0.5	< 2	1.35	6.0	14	46	91	2.91	< 10	< 1	0.13	10
PB 1800E 200S	201	202	10	30.00	6000	0.4	1.33	6	1670	0.5	< 2	0.82	2.0	9	60	84	2.32	< 10	< 1	0.13	10
PB 1800E 225S	201	202	10	30.00	>10000	1.2	0.52	8	790	0.5	< 2	0.50	8.0	6	57	99	1.74	< 10	< 1	0.11	10
PB 1800E 250S	201	202	< 5	30.00	8400	2.0	0.83	50	1710	1.0	< 2	1.15	8.5	7	59	90	1.97	< 10	< 1	0.13	10
PB 1800E 275S	201	202	10	30.00	8800	1.4	0.83	38	1360	1.0	< 2	0.69	5.5	6	71	112	1.72	< 10	< 1	0.12	10
PB 1800E 300S	201	202	10	30.00	7400	2.0	0.50	60	970	0.5	< 2	0.76	1.5	< 1	115	133	1.76	< 10	< 1	0.13	10
PB 1800E 325S	201	202	15	30.00	3400	1.8	1.75	26	880	1.0	< 2	1.14	5.0	19	76	149	4.10	< 10	1	0.23	20
PB 1800E 350S	201	202	< 5	30.00	>10000	2.4	1.28	84	840	3.0	< 2	3.07	23.0	14	104	183	3.19	< 10	1	0.26	10
PB 1800E 375S	201	202	< 5	30.00	2200	1.8	0.65	72	450	0.5	< 2	1.00	22.5	15	24	137	2.79	< 10	< 1	0.20	20
PB 1800E 400S	217	232	< 5	30.00	1280	0.6	0.92	10	350	0.5	< 2	1.29	0.5	12	169	89	2.87	< 10	< 1	0.25	10
PB 2200E 025S	201	202	< 5	30.00	4000	2.0	1.77	30	780	1.0	< 2	0.72	11.0	13	78	98	3.68	< 10	4	0.17	20
PB 2200E 050S	201	202	< 5	30.00	2900	1.0	2.53	26	1110	1.0	< 2	0.80	6.0	20	121	145	4.33	< 10	< 1	0.11	20
PB 2200E 075S	201	202	10	30.00	1360	0.4	2.42	< 2	470	0.5	< 2	0.94	3.5	24	94	80	3.87	< 10	< 1	0.09	10
PB 2200E 100S	201	202	10	30.00	1200	0.6	2.40	14	400	0.5	< 2	1.51	3.0	25	103	129	4.48	< 10	< 1	0.10	10
PB 2200E 125S	201	202	25	30.00	1900	1.4	1.89	44	540	1.0	< 2	0.58	8.0	24	70	130	3.17	< 10	< 1	0.23	20
PB 2200E 150S	201	202	35	30.00	1100	1.0	2.12	< 2	420	0.5	< 2	1.08	1.0	18	83	131	3.07	< 10	< 1	0.13	10
PB 2200E 175S	217	232	10	30.00	1100	< 0.2	2.01	< 2	390	1.0	< 2	1.42	1.5	29	108	133	5.04	< 10	1	0.23	30

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

To: [redacted] EQUITY [redacted] LTD.

207 - 675 W. HASTINGS ST.
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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

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SAMPLE	PREP CODE		Mg %	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
PB 1400E 075S	201	202	0.28	115	44	< 0.01	90	990	10	10	3	104	0.08	< 10	< 10	260	< 10	402
PB 1400E 100S	201	202	0.36	250	24	< 0.01	82	810	16	10	3	66	0.06	< 10	< 10	305	< 10	562
PB 1400E 125S	201	202	0.31	160	44	< 0.01	171	910	12	14	3	125	0.09	< 10	< 10	226	< 10	1420
PB 1400E 150S	201	202	0.52	655	18	< 0.01	199	1480	10	14	4	119	0.03	< 10	< 10	399	< 10	3800
PB 1400E 175S	201	202	0.57	540	18	< 0.01	160	1950	14	10	4	170	0.01	< 10	< 10	485	< 10	3250
PB 1400E 200S	201	202	0.61	315	14	< 0.01	126	1890	10	8	5	137	0.01	< 10	< 10	444	< 10	2390
PB 1400E 225S	201	202	0.64	370	22	< 0.01	184	1850	12	12	5	164	0.01	< 10	< 10	653	< 10	4450
PB 1400E 250S	201	202	0.66	485	13	< 0.01	47	1630	12	10	5	71	0.03	< 10	< 10	261	< 10	360
PB 1400E 275S	201	202	0.63	170	7	< 0.01	33	1590	12	8	4	51	0.02	< 10	< 10	237	< 10	224
PB 1400E 300S	201	202	0.62	1180	9	< 0.01	44	1430	12	10	5	60	0.03	< 10	< 10	241	< 10	250
PB 1400E 325S	201	202	0.68	180	7	< 0.01	44	1540	6	4	5	50	0.01	< 10	< 10	204	< 10	284
PB 1400E 350S	201	202	0.70	200	8	< 0.01	54	1530	12	10	7	75	0.01	< 10	< 10	241	< 10	358
PB 1400E 375S	201	202	0.77	260	9	< 0.01	56	1640	16	10	7	68	0.01	< 10	< 10	256	< 10	392
PB 1400E 400S	201	202	0.84	515	11	< 0.01	68	1770	10	16	8	80	0.01	< 10	< 10	316	< 10	470
PB 1400E 425S	201	202	0.31	275	5	< 0.01	20	960	2	2	2	47	0.01	< 10	< 10	136	< 10	142
PB 1400E 450S	201	202	0.74	215	7	< 0.01	40	2470	16	10	4	63	0.01	< 10	< 10	260	< 10	254
PB 1400E 475S	201	202	1.14	265	10	< 0.01	50	2790	16	2	7	94	0.01	< 10	< 10	194	< 10	238
PB 1800E 025S	217	232	0.06	40	43	< 0.01	74	710	12	12	1	83	< 0.01	< 10	< 10	267	< 10	198
PB 1800E 050S	201	202	0.37	50	31	< 0.01	53	1280	22	22	4	109	0.01	< 10	< 10	428	< 10	496
PB 1800E 075S	201	202	0.49	105	40	< 0.01	46	1400	18	20	4	195	0.01	< 10	< 10	467	< 10	346
PB 1800E 100S	201	202	0.43	45	39	< 0.01	84	1670	16	12	4	317	0.01	< 10	< 10	559	< 10	372
PB 1800E 125S	201	202	0.47	55	27	< 0.01	78	1900	18	14	3	325	0.01	< 10	< 10	614	< 10	256
PB 1800E 150S	201	202	0.53	305	15	0.01	74	1780	18	12	5	250	0.04	< 10	< 10	338	< 10	386
PB 1800E 175S	201	202	0.89	410	17	0.01	93	1950	16	12	6	194	0.01	< 10	< 10	337	< 10	420
PB 1800E 200S	201	202	0.64	320	6	< 0.01	46	2320	12	8	6	114	0.03	< 10	< 10	259	< 10	152
PB 1800E 225S	201	202	0.23	190	16	< 0.01	71	1630	14	14	4	282	0.01	< 10	< 10	364	< 10	500
PB 1800E 250S	201	202	0.65	245	14	< 0.01	97	1840	12	10	5	203	0.02	< 10	< 10	531	< 10	540
PB 1800E 275S	201	202	0.27	195	19	< 0.01	61	2630	12	8	6	380	0.01	< 10	< 10	464	< 10	260
PB 1800E 300S	201	202	0.05	10	18	< 0.01	16	4440	12	10	4	696	< 0.01	< 10	< 10	592	< 10	42
PB 1800E 325S	201	202	0.98	525	19	0.01	108	3200	20	16	10	163	0.04	< 10	< 10	431	< 10	460
PB 1800E 350S	201	202	2.32	305	41	< 0.01	238	1870	24	14	8	239	0.06	< 10	< 10	1450	< 10	1850
PB 1800E 375S	201	202	0.31	325	64	0.01	221	1490	28	20	5	243	< 0.01	10	< 10	394	< 10	1540
PB 1800E 400S	217	232	0.50	285	18	0.02	89	3780	6	12	6	102	< 0.01	< 10	< 10	150	< 10	160
PB 2200E 025S	201	202	0.74	400	32	< 0.01	157	2180	14	20	7	186	0.01	< 10	< 10	505	< 10	1320
PB 2200E 050S	201	202	1.70	385	22	< 0.01	127	1760	8	12	12	113	0.03	< 10	< 10	505	< 10	742
PB 2200E 075S	201	202	1.35	2790	9	< 0.01	89	1830	8	10	9	60	0.02	< 10	< 10	229	< 10	358
PB 2200E 100S	201	202	1.61	825	8	< 0.01	110	2150	12	8	12	111	0.01	< 10	< 10	186	< 10	372
PB 2200E 125S	201	202	0.85	640	48	< 0.01	209	2380	20	14	3	125	0.01	< 10	< 10	558	< 10	1395
PB 2200E 150S	201	202	1.15	595	6	< 0.01	52	2840	10	4	5	79	0.02	< 10	< 10	167	< 10	160
PB 2200E 175S	217	232	1.26	750	5	0.02	170	5460	14	8	8	102	< 0.01	< 10	< 10	111	< 10	606

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: [redacted] EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
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SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PB 2200E 200S	217	232	10	30.00	1040	< 0.2	3.20	< 2	270	0.5	< 2	0.84	< 0.5	35	197	110	7.11	< 10	< 1	0.11	10
PB 2200E 225S	217	232	40	30.00	880	0.2	2.35	< 2	240	1.0	< 2	0.98	0.5	9	84	251	3.42	< 10	< 1	0.53	10
PB BL ON 000E	201	202	< 5	30.00	2400	1.8	0.90	26	1170	0.5	< 2	0.28	4.5	1	54	62	1.36	< 10	< 1	0.06	10
PB BL ON 100E	217	232	< 5	30.00	3400	0.4	0.57	36	1060	< 0.5	< 2	0.05	< 0.5	1	143	42	1.54	< 10	< 1	0.13	< 10
PB BL ON 200E	201	202	10	30.00	1720	2.6	1.86	70	260	0.5	< 2	0.15	3.0	3	84	106	4.45	10	< 1	0.28	20
PB BL ON 300E	201	202	< 5	30.00	2240	1.6	0.90	34	620	0.5	< 2	0.81	5.0	4	38	58	1.71	< 10	< 1	0.09	10
PB BL ON 400E	201	202	< 5	30.00	2900	2.6	1.43	32	1000	1.0	< 2	0.04	0.5	2	85	229	1.92	< 10	< 1	0.12	30
PB BL ON 500E	201	202	< 5	15.00	700	1.2	0.52	8	390	< 0.5	< 2	0.16	0.5	< 1	30	19	1.05	< 10	< 1	0.03	< 10
PB BL ON 600E	201	202	5	30.00	2800	1.2	1.50	6	730	0.5	< 2	2.40	21.5	13	60	71	2.88	< 10	< 1	0.10	10
PB BL ON 700E	217	232	< 5	30.00	2800	1.2	1.74	26	1800	1.0	< 2	1.39	4.0	12	162	104	2.77	< 10	< 1	0.31	10
PB BL ON 800E	201	202	< 5	30.00	3700	1.0	1.35	4	2010	< 0.5	< 2	0.28	2.0	3	32	39	1.22	< 10	< 1	0.07	10
PB BL ON 900E	201	202	< 5	30.00	2600	1.0	1.03	6	1440	0.5	< 2	0.16	2.5	1	16	121	1.19	< 10	< 1	0.06	10
PB BL ON 1000E	217	232	< 5	30.00	800	0.6	0.97	< 2	490	0.5	< 2	3.22	38.0	11	38	118	1.19	< 10	< 1	0.06	< 10
PB BL ON 1100E	201	202	< 5	30.00	>10000	3.0	1.37	54	330	1.0	< 2	2.11	49.0	16	71	145	2.96	< 10	< 1	0.15	10
PB BL ON 1200E	201	202	< 5	30.00	3700	1.6	1.40	38	1930	0.5	< 2	0.50	4.5	3	58	51	1.90	< 10	< 1	0.11	10
PB BL ON 1300E	201	202	< 5	30.00	1400	0.2	1.10	30	530	< 0.5	< 2	0.10	2.5	1	35	26	1.60	< 10	< 1	0.11	10
PB BL ON 1400E	201	202	< 5	30.00	7400	1.2	1.53	24	1530	0.5	< 2	0.34	2.5	6	49	50	2.40	< 10	< 1	0.12	10
PB BL ON 1500E	201	202	10	30.00	6200	1.4	1.18	36	540	1.0	< 2	0.58	9.5	7	42	113	2.57	< 10	< 1	0.22	10
PB BL ON 100W	217	232	< 5	30.00	4000	0.8	0.75	< 2	330	< 0.5	< 2	1.68	10.5	4	78	63	1.15	< 10	< 1	0.07	< 10
PB BL ON 200W	201	202	10	30.00	>10000	1.2	0.65	14	>10000	1.0	< 2	0.66	33.0	5	76	128	1.25	< 10	< 1	0.07	10
PB BL 1600E	201	202	< 5	30.00	5400	0.6	1.54	32	2100	0.5	< 2	0.36	0.5	12	54	27	4.95	< 10	< 1	0.07	10
PB BL 1700E	217	232	< 5	30.00	1600	4.8	0.90	< 2	300	< 0.5	< 2	0.38	5.5	1	58	64	2.04	< 10	< 1	0.05	< 10
PB BL 1800E	217	232	< 5	30.00	760	< 0.2	0.52	16	260	< 0.5	< 2	0.05	< 0.5	2	110	31	1.38	< 10	< 1	0.13	10
PB BL 1900E	201	202	< 5	30.00	2200	1.2	0.52	18	750	< 0.5	< 2	0.21	4.0	2	16	41	1.42	< 10	< 1	0.11	10
PB BL 2000E	201	202	< 5	30.00	>10000	1.6	1.01	78	1840	0.5	< 2	0.44	29.0	16	45	102	3.50	< 10	< 1	0.17	20
PB BL 2100E	201	202	10	30.00	1440	0.2	2.03	16	390	0.5	< 2	0.80	1.0	14	66	59	3.06	< 10	< 1	0.07	10
PB BL 2200E	201	202	10	30.00	3360	1.6	1.90	8	500	0.5	< 2	0.62	6.0	19	72	80	3.82	< 10	< 1	0.15	20
PBL 200E 025S	217	232	< 5	30.00	1040	0.6	0.44	12	430	< 0.5	< 2	0.01	< 0.5	1	100	21	1.18	< 10	< 1	0.17	10
PBL 200E 050S	201	202	30	15.00	>10000	4.0	1.48	42	670	1.0	< 2	2.12	21.5	7	57	151	2.11	< 10	< 1	0.14	10
PBL 200E 075S	201	202	< 5	15.00	1560	1.0	1.43	88	200	0.5	< 2	0.03	1.5	1	61	107	4.49	< 10	< 1	0.31	10
PBL 200E 100S	201	202	< 5	30.00	2600	2.2	1.05	96	190	< 0.5	< 2	0.11	4.5	2	56	84	4.53	< 10	< 1	0.34	30
PBL 200E 125S	201	202	< 5	30.00	3360	2.0	1.36	42	770	0.5	< 2	0.18	6.0	15	50	76	2.93	< 10	< 1	0.15	10
PBL 200E 150S	201	202	< 5	30.00	1000	1.4	0.91	< 2	530	< 0.5	< 2	0.17	1.5	< 1	45	37	1.62	< 10	< 1	0.05	10
PBL 200E 175S	201	202	< 5	30.00	1500	0.4	1.18	6	410	< 0.5	< 2	0.25	< 0.5	4	51	21	1.89	< 10	< 1	0.07	10
PBL 200E 200S	201	202	< 5	30.00	1000	0.2	0.97	< 2	240	< 0.5	< 2	0.25	< 0.5	1	33	26	1.92	< 10	< 1	0.06	10
PBL 200E 225S	201	202	5	30.00	800	0.6	0.87	12	270	< 0.5	< 2	0.25	< 0.5	< 1	28	37	1.65	< 10	< 1	0.07	10
PBL 200E 250S	201	202	10	30.00	920	0.8	0.90	< 2	310	< 0.5	< 2	0.35	< 0.5	< 1	29	50	1.32	< 10	< 1	0.09	10
PBL 200E 275S	201	202	40	30.00	1520	2.4	1.51	72	600	0.5	< 2	0.40	< 0.5	5	56	124	3.47	< 10	< 1	0.21	30
PBL 200E 300S	201	202	30	30.00	1660	2.4	1.01	72	420	0.5	< 2	0.45	0.5	5	46	104	3.28	< 10	< 1	0.30	40
PBL 200E 325S	201	202	10	30.00	1720	2.4	0.79	52	340	1.0	< 2	0.53	0.5	1	40	76	2.95	< 10	< 1	0.31	40

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 29-JUL-98
Invoice No. : 19824679
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Mg %	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
PB 2200E 200S	217	232	3.40	710	4	0.02	116	2300	6	10	14	64	0.01	< 10	< 10	156	< 10	194
PB 2200E 225S	217	232	1.48	260	6	0.01	63	3880	12	8	6	86	0.01	< 10	< 10	133	< 10	256
PB BL 0N 000E	201	202	0.17	35	13	< 0.01	41	1670	4	8	1	81	0.03	< 10	< 10	418	< 10	100
PB BL 0N 100E	217	232	0.08	20	42	0.01	42	740	6	12	1	86	< 0.01	< 10	< 10	301	< 10	108
PB BL 0N 200E	201	202	1.16	145	97	0.03	108	1800	22	14	6	164	0.03	10	< 10	863	< 10	430
PB BL 0N 300E	201	202	0.17	75	32	< 0.01	91	920	10	12	1	96	0.04	10	< 10	512	< 10	320
PB BL 0N 400E	201	202	0.22	30	104	< 0.01	75	1330	16	12	5	231	0.05	< 10	< 10	1000	< 10	184
PB BL 0N 500E	201	202	0.04	15	7	< 0.01	11	1570	2	6	< 1	29	< 0.01	< 10	< 10	59	< 10	28
PB BL 0N 600E	201	202	0.60	1430	11	< 0.01	497	1550	12	10	4	130	0.02	< 10	< 10	237	< 10	3610
PB BL 0N 700E	217	232	0.90	430	14	0.01	81	3610	14	8	5	123	0.02	< 10	< 10	286	< 10	444
PB BL 0N 800E	201	202	0.31	60	23	< 0.01	47	800	10	10	3	61	0.05	10	< 10	242	< 10	240
PB BL 0N 900E	201	202	0.04	45	41	< 0.01	53	920	16	14	4	70	0.08	< 10	< 10	169	< 10	116
PB BL 0N 1000E	217	232	0.18	815	16	0.01	185	1700	< 2	6	3	141	0.02	< 10	< 10	138	< 10	666
PB BL 0N 1100E	201	202	0.68	7360	82	0.01	335	2140	14	8	4	265	0.02	< 10	< 10	448	< 10	1690
PB BL 0N 1200E	201	202	0.45	90	9	< 0.01	54	1550	14	10	3	81	0.03	< 10	< 10	444	< 10	350
PB BL 0N 1300E	201	202	0.19	65	24	< 0.01	25	830	8	6	< 1	47	0.01	< 10	< 10	318	< 10	182
PB BL 0N 1400E	201	202	0.44	120	21	< 0.01	59	1380	10	10	2	81	0.04	< 10	< 10	361	< 10	378
PB BL 0N 1500E	201	202	1.01	200	51	0.01	185	1150	12	12	5	187	0.03	< 10	< 10	538	< 10	874
PB BL 0N 100W	217	232	0.21	1445	36	0.01	87	1720	< 2	10	3	164	0.02	< 10	< 10	200	< 10	552
PB BL ON 200W	201	202	0.18	145	33	< 0.01	238	1270	8	10	5	247	0.04	10	< 10	1590	< 10	2540
PB BL 1600E	201	202	0.64	375	49	< 0.01	42	1260	8	4	4	87	0.04	< 10	< 10	324	< 10	288
PB BL 1700E	217	232	0.14	30	24	0.01	49	2420	6	14	2	52	0.01	< 10	< 10	103	< 10	136
PB BL 1800E	217	232	0.08	30	40	< 0.01	69	500	8	6	1	37	0.05	< 10	< 10	285	< 10	182
PB BL 1900E	201	202	0.16	15	40	< 0.01	74	490	10	10	1	103	0.02	< 10	< 10	183	< 10	244
PB BL 2000E	201	202	0.40	455	43	< 0.01	217	1740	14	20	5	208	0.01	< 10	< 10	383	< 10	2010
PB BL 2100E	201	202	0.96	695	8	< 0.01	49	1190	8	12	6	54	0.04	< 10	< 10	138	< 10	176
PB BL 2200E	201	202	0.91	410	15	< 0.01	100	2180	14	18	6	124	0.03	< 10	< 10	384	< 10	584
PBL 200E 025S	217	232	0.04	15	37	0.01	11	400	6	6	1	34	< 0.01	10	< 10	219	< 10	26
PBL 200E 050S	201	202	0.46	490	31	< 0.01	197	1910	10	12	5	183	0.02	< 10	< 10	552	< 10	1280
PBL 200E 075S	201	202	0.15	30	115	0.04	42	1810	20	16	3	259	0.01	20	< 10	608	< 10	118
PBL 200E 100S	201	202	0.15	115	148	0.03	47	1710	30	16	1	158	0.01	20	< 10	640	< 10	202
PBL 200E 125S	201	202	0.55	475	52	0.01	150	1330	14	14	5	119	0.04	< 10	< 10	548	< 10	858
PBL 200E 150S	201	202	0.12	30	5	< 0.01	21	1610	10	4	< 1	35	< 0.01	< 10	< 10	77	< 10	50
PBL 200E 175S	201	202	0.48	75	5	< 0.01	29	1120	8	14	1	54	0.01	< 10	< 10	114	< 10	110
PBL 200E 200S	201	202	0.24	65	3	< 0.01	14	1080	10	8	< 1	32	0.01	< 10	< 10	74	< 10	44
PBL 200E 225S	201	202	0.10	25	1	< 0.01	10	1270	8	8	< 1	23	0.01	< 10	< 10	57	< 10	18
PBL 200E 250S	201	202	0.13	30	1	< 0.01	12	1270	6	10	< 1	30	0.01	< 10	< 10	60	< 10	22
PBL 200E 275S	201	202	0.36	290	8	0.01	34	2700	20	14	2	90	0.02	< 10	< 10	118	< 10	150
PBL 200E 300S	201	202	0.17	160	8	0.03	29	3540	34	14	3	107	0.01	< 10	< 10	116	< 10	120
PBL 200E 325S	201	202	0.08	50	7	0.04	21	4240	30	18	3	113	< 0.01	< 10	< 10	107	< 10	76

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 29-JUL-98
Invoice No. : I9824679
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PBL 200E 350S	217	232	20	30.00	800	0.2	1.14	18	240	< 0.5	< 2	0.14	0.5	11	180	77	2.97	< 10	< 1	0.12	10
PBL 200E 375S	201	202	10	30.00	900	0.4	1.79	14	310	< 0.5	< 2	0.76	1.5	22	53	77	4.19	< 10	< 1	0.08	10
PBL 200E 400S	201	202	< 5	30.00	840	< 0.2	1.15	8	220	< 0.5	< 2	0.31	0.5	11	33	35	2.95	< 10	< 1	0.06	10
PBL 200W 025S	201	202	< 5	30.00	>10000	1.0	0.82	20	4420	1.0	2	0.18	10.0	1	78	101	0.93	< 10	< 1	0.09	20
PBL 200W 050S	201	202	< 5	30.00	>10000	1.2	0.67	8	1570	0.5	< 2	0.43	7.0	2	74	54	0.64	< 10	< 1	0.05	10
PBL 200W 075S	201	202	< 5	30.00	1200	1.8	0.88	24	380	< 0.5	< 2	0.19	1.0	1	39	42	3.86	< 10	< 1	0.04	< 10
PBL 200W 100S	201	202	< 5	30.00	1840	2.6	0.81	6	490	< 0.5	< 2	0.34	1.5	2	61	58	1.91	< 10	< 1	0.08	10
PBL 200W 125S	201	202	< 5	30.00	3000	3.4	0.96	16	780	0.5	2	0.91	6.5	2	82	114	1.61	< 10	< 1	0.09	10
PBL 200W 150S	201	202	< 5	30.00	2500	2.2	0.87	20	440	0.5	< 2	0.44	3.0	3	94	74	2.57	< 10	< 1	0.17	10
PBL 600E 025S	201	202	< 5	30.00	1800	1.0	1.32	16	640	< 0.5	< 2	1.16	31.0	9	48	42	2.20	< 10	< 1	0.08	10
PBL 600E 050S	201	202	< 5	30.00	2200	1.2	1.46	26	890	0.5	< 2	1.27	6.5	28	65	64	3.08	< 10	< 1	0.11	10
PBL 600E 075S	201	202	< 5	30.00	2000	1.0	1.57	22	840	0.5	< 2	1.13	13.0	12	51	58	3.11	< 10	< 1	0.10	20
PBL 600E 100S	201	202	< 5	30.00	1440	1.2	1.25	8	440	< 0.5	< 2	0.16	1.5	2	38	24	1.74	< 10	< 1	0.05	10
PBL 600E 125S	201	202	< 5	30.00	1940	1.6	1.43	18	880	< 0.5	< 2	0.27	1.5	4	55	35	2.00	< 10	< 1	0.07	10
PBL 600E 150S	201	202	< 5	30.00	2240	2.4	1.20	22	960	< 0.5	< 2	0.41	1.5	4	57	42	2.10	< 10	< 1	0.07	10
PBL 600E 175S	201	202	< 5	30.00	2080	3.2	1.14	8	890	< 0.5	< 2	0.16	1.5	3	71	49	1.86	< 10	< 1	0.11	20
PBL 600E 200S	201	202	5	30.00	2360	1.6	1.48	8	970	0.5	< 2	0.47	5.5	10	69	46	1.76	< 10	< 1	0.10	20
PBL 600E 225S	201	202	5	30.00	1880	1.8	1.87	26	920	0.5	2	0.85	9.5	12	68	103	2.51	< 10	< 1	0.13	30
PBL 600E 250S	201	202	10	30.00	1900	1.4	1.70	30	950	0.5	2	0.98	5.0	9	53	100	2.78	< 10	< 1	0.19	30
PBL 600E 275S	201	202	10	30.00	2400	1.2	1.45	26	830	0.5	< 2	0.80	7.0	11	63	78	2.56	< 10	< 1	0.17	20
PBL 600E 300S	201	202	10	30.00	>10000	2.0	1.08	28	800	0.5	< 2	0.69	12.0	11	78	113	2.08	< 10	< 1	0.17	20
PBL 600E 325S	201	202	10	30.00	1800	1.4	1.29	26	450	0.5	< 2	1.44	10.0	11	56	98	2.61	< 10	< 1	0.16	10
PBL 600E 350S	201	202	10	30.00	2160	1.6	0.95	28	410	0.5	< 2	0.78	5.0	6	62	89	1.92	< 10	< 1	0.16	20
PBL 600E 375S	201	202	15	30.00	2160	1.8	1.40	30	440	0.5	< 2	1.12	3.5	13	67	103	3.20	< 10	< 1	0.25	30
PBL 600E 400S	201	202	< 5	30.00	2740	1.4	0.77	40	420	0.5	< 2	0.72	10.5	10	40	130	2.16	< 10	< 1	0.16	20
PBL 600E 425S	201	202	15	30.00	1360	2.0	1.30	34	300	0.5	2	0.65	4.0	12	55	115	3.94	< 10	< 1	0.35	40
PBL 600E 450S	201	202	20	30.00	1240	1.0	1.28	28	370	0.5	< 2	1.81	1.5	17	37	153	3.61	< 10	< 1	0.22	20
PBL 600E 475S	201	202	35	30.00	800	0.2	0.75	8	180	< 0.5	< 2	0.09	< 0.5	3	37	102	2.20	< 10	< 1	0.10	10
PBL 600E 500S	201	202	25	30.00	900	< 0.2	1.63	14	250	< 0.5	< 2	0.29	0.5	10	41	98	3.24	< 10	< 1	0.09	10
PBL 1200E 025S	201	202	< 5	30.00	3200	1.8	1.13	18	1430	0.5	< 2	0.40	4.5	3	56	46	1.74	< 10	< 1	0.08	10
PBL 1200E 050S	201	202	< 5	30.00	2700	1.0	1.11	22	1300	< 0.5	< 2	0.48	4.0	4	46	34	2.05	< 10	< 1	0.09	10
PBL 1200E 075S	201	202	< 5	30.00	2000	1.2	0.79	8	640	< 0.5	2	0.19	2.0	1	40	24	0.85	< 10	< 1	0.07	10
PBL 1200E 100S	201	202	10	30.00	2480	2.0	1.05	8	1190	0.5	< 2	0.35	6.0	1	52	57	0.66	< 10	< 1	0.07	10
PBL 1200E 125S	201	202	5	30.00	2100	2.4	0.84	20	590	0.5	< 2	0.16	4.0	< 1	55	46	1.28	< 10	< 1	0.07	20
PBL 1200E 150S	201	202	< 5	30.00	2720	2.6	1.11	30	700	0.5	< 2	0.24	4.5	1	61	38	1.61	< 10	< 1	0.10	20
PBL 1200E 175S	201	202	5	30.00	2000	2.4	0.74	18	530	0.5	< 2	0.40	5.0	2	66	45	1.45	< 10	< 1	0.11	20
PBL 1200E 200S	201	202	< 5	30.00	2000	2.4	1.37	12	630	0.5	< 2	1.22	19.5	9	59	80	1.43	< 10	< 1	0.11	10
PBL 1200E 225S	201	202	5	30.00	2660	3.0	1.24	16	600	0.5	< 2	0.98	6.5	16	59	53	1.62	< 10	< 1	0.13	20
PBL 1200E 250S	201	202	10	30.00	1860	1.4	1.43	14	790	0.5	< 2	1.42	10.0	9	54	78	1.94	< 10	< 1	0.13	10
PBL 1200E 275S	217	232	< 5	15.00	1240	0.8	0.76	8	240	0.5	2	2.32	7.5	9	28	107	1.59	< 10	< 1	0.06	10

CERTIFICATION: Stewart Harris

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: [redacted] EQUITY [redacted] LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted] :5-[redacted]
Total Pages :7
Certificate Date: 29-JUL-98
Invoice No. :I9824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE	Mg %	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
PBL 200E 350S	217 232	0.45	275	4	0.01	35	1010	8	< 2	2	28	0.01	< 10	< 10	81	< 10	94
PBL 200E 375S	201 202	0.53	1240	3	0.01	49	1320	6	< 2	4	44	0.03	< 10	< 10	103	< 10	170
PBL 200E 400S	201 202	0.23	800	4	< 0.01	24	730	2	< 2	2	17	0.03	< 10	< 10	110	< 10	74
PBL 200W 025S	201 202	0.10	55	29	< 0.01	64	920	4	2	< 1	103	0.01	< 10	10	1795	< 10	382
PBL 200W 050S	201 202	0.11	35	8	< 0.01	52	1620	6	< 2	2	154	0.02	< 10	< 10	759	< 10	356
PBL 200W 075S	201 202	0.16	40	20	< 0.01	18	990	< 2	< 2	1	31	0.01	< 10	< 10	168	< 10	60
PBL 200W 100S	201 202	0.18	50	10	< 0.01	29	2760	2	< 2	1	89	< 0.01	< 10	< 10	94	< 10	160
PBL 200W 125S	201 202	0.09	55	17	< 0.01	63	4510	4	< 2	1	110	< 0.01	< 10	10	346	< 10	554
PBL 200W 150S	201 202	0.11	60	16	0.01	66	2840	2	8	1	160	0.01	< 10	< 10	188	< 10	280
PBL 600E 025S	201 202	0.47	515	7	< 0.01	208	1110	2	< 2	4	82	0.03	< 10	< 10	197	< 10	2040
PBL 600E 050S	201 202	0.65	605	14	< 0.01	110	1850	6	2	5	103	0.01	< 10	< 10	232	< 10	564
PBL 600E 075S	201 202	0.49	605	9	< 0.01	201	1330	4	2	4	101	0.01	< 10	< 10	231	< 10	1570
PBL 600E 100S	201 202	0.28	55	6	< 0.01	28	640	4	< 2	1	31	0.03	< 10	< 10	121	< 10	164
PBL 600E 125S	201 202	0.41	95	6	< 0.01	36	940	6	< 2	3	58	0.03	< 10	< 10	173	< 10	192
PBL 600E 150S	201 202	0.38	160	8	< 0.01	38	1200	10	< 2	1	72	0.01	< 10	< 10	197	< 10	200
PBL 600E 175S	201 202	0.29	55	9	< 0.01	33	1160	8	< 2	1	74	0.01	< 10	< 10	203	< 10	186
PBL 600E 200S	201 202	0.54	360	8	< 0.01	92	1310	6	< 2	4	82	0.03	< 10	< 10	283	< 10	656
PBL 600E 225S	201 202	0.56	905	11	0.01	122	1840	4	2	5	89	0.01	< 10	< 10	283	< 10	714
PBL 600E 250S	201 202	0.46	570	11	0.01	77	1810	10	< 2	4	106	< 0.01	< 10	< 10	214	< 10	280
PBL 600E 275S	201 202	0.67	385	24	< 0.01	111	1630	6	< 2	5	136	0.02	< 10	< 10	315	< 10	636
PBL 600E 300S	201 202	0.60	235	36	< 0.01	222	1770	8	2	6	148	0.04	< 10	< 10	820	< 10	1450
PBL 600E 325S	201 202	0.62	380	15	0.01	127	1750	10	2	5	133	0.01	< 10	< 10	180	< 10	488
PBL 600E 350S	201 202	0.47	135	23	0.01	105	1320	8	6	4	170	0.01	< 10	< 10	224	< 10	468
PBL 600E 375S	201 202	0.63	435	10	0.03	84	1560	8	< 2	7	112	< 0.01	< 10	< 10	145	< 10	282
PBL 600E 400S	201 202	0.34	160	46	0.01	186	1620	8	8	5	219	0.01	< 10	< 10	284	< 10	820
PBL 600E 425S	201 202	0.47	425	13	0.06	98	1680	14	< 2	6	106	< 0.01	< 10	< 10	143	< 10	370
PBL 600E 450S	201 202	0.74	675	9	0.01	61	2020	14	4	6	85	< 0.01	< 10	< 10	71	< 10	176
PBL 600E 475S	201 202	0.10	65	6	0.01	17	1480	8	< 2	< 1	32	< 0.01	< 10	< 10	78	< 10	76
PBL 600E 500S	201 202	0.37	445	4	0.01	28	1230	10	< 2	1	38	0.03	< 10	< 10	95	< 10	96
PBL 1200E 025S	201 202	0.34	110	16	< 0.01	48	1420	8	< 2	1	63	0.01	< 10	< 10	423	< 10	304
PBL 1200E 050S	201 202	0.44	95	16	< 0.01	53	1500	8	< 2	3	67	0.03	< 10	< 10	469	< 10	348
PBL 1200E 075S	201 202	0.19	30	4	< 0.01	20	790	8	< 2	< 1	39	0.01	< 10	< 10	289	< 10	116
PBL 1200E 100S	201 202	0.24	40	7	< 0.01	35	1150	10	< 2	1	55	0.01	< 10	< 10	268	< 10	258
PBL 1200E 125S	201 202	0.18	20	6	< 0.01	22	1540	12	< 2	< 1	51	< 0.01	< 10	< 10	307	< 10	116
PBL 1200E 150S	201 202	0.29	35	6	< 0.01	33	2160	8	< 2	1	45	0.01	< 10	< 10	644	< 10	270
PBL 1200E 175S	201 202	0.18	50	18	< 0.01	32	2270	6	< 2	1	74	0.01	< 10	< 10	513	< 10	220
PBL 1200E 200S	201 202	0.57	250	8	< 0.01	155	1450	8	< 2	3	82	0.01	< 10	< 10	641	< 10	1575
PBL 1200E 225S	201 202	0.64	585	15	< 0.01	81	2210	12	< 2	4	91	0.01	< 10	< 10	680	< 10	754
PBL 1200E 250S	201 202	0.70	605	14	< 0.01	72	1590	2	< 2	3	106	0.02	< 10	< 10	419	< 10	612
PBL 1200E 275S	217 232	0.40	655	14	0.01	60	1970	2	6	3	124	0.01	< 10	< 10	142	< 10	280

CERTIFICATION: Stewart Bichlen

Chemex Labs Ltd.

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To: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 29-JUL-98
Invoice No. : I9824679
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PBL 1200E 300S	201	202	10	30.00	1800	3.2	0.77	8	430	< 0.5	< 2	0.17	3.5	2	39	27	0.97	< 10	< 1	0.09	10
PBL 1200E 350S	217	232	25	30.00	1160	0.4	1.22	6	430	< 0.5	< 2	0.17	< 0.5	5	154	63	1.95	< 10	< 1	0.15	10
PBL 1200E 375S	201	202	15	30.00	1200	< 0.2	1.34	8	210	< 0.5	< 2	0.17	0.5	7	37	53	2.98	< 10	< 1	0.09	10
PBL 1200E 400S	217	232	20	30.00	1040	< 0.2	1.15	6	270	< 0.5	< 2	0.08	< 0.5	5	185	74	2.16	< 10	< 1	0.15	10
PBL 1200E 425S	217	232	15	30.00	860	< 0.2	1.20	6	210	< 0.5	< 2	0.06	< 0.5	4	211	64	2.45	< 10	< 1	0.09	10
PBL 1200E 450S	217	232	25	30.00	800	< 0.2	0.85	6	150	< 0.5	< 2	0.07	< 0.5	3	175	56	2.14	< 10	< 1	0.07	< 10
PBL 1200E 475S	217	232	15	30.00	1500	0.2	1.36	4	350	0.5	< 2	0.44	1.5	8	77	87	2.49	< 10	< 1	0.39	10
PBL 1200E 500S	217	232	40	30.00	1600	0.8	1.61	24	420	0.5	< 2	0.76	2.0	21	45	199	4.89	< 10	< 1	0.30	30
PBL 1200E 525S	217	232	15	30.00	1400	0.2	1.60	8	260	0.5	< 2	0.51	0.5	7	63	95	2.45	< 10	< 1	0.44	10
PBL 1600E 025S	201	202	< 5	30.00	6000	0.8	2.04	20	2140	0.5	< 2	0.36	2.0	9	69	44	3.53	< 10	< 1	0.10	20
PBL 1600E 050S	201	202	< 5	30.00	5800	0.8	1.88	22	2010	< 0.5	2	0.43	2.0	11	68	36	3.53	< 10	< 1	0.09	10
PBL 1600E 075S	201	202	< 5	30.00	6800	0.6	1.94	8	1810	0.5	< 2	0.39	1.0	7	67	41	2.56	< 10	< 1	0.09	10
PBL 1600E 100S	201	202	5	30.00	>10000	2.0	1.64	20	2460	1.0	< 2	0.96	26.0	48	55	98	2.40	< 10	< 1	0.09	20
PBL 1600E 125S	201	202	10	30.00	4000	0.6	1.40	6	1420	< 0.5	< 2	0.28	1.5	23	55	41	2.51	< 10	< 1	0.07	10
PBL 1600E 150S	201	202	10	30.00	9000	1.0	1.10	22	1990	0.5	< 2	0.29	5.5	9	51	53	1.89	< 10	< 1	0.07	10
PBL 1600E 175S	201	202	< 5	15.00	9000	1.6	0.72	22	810	1.5	< 2	4.98	18.5	5	56	69	1.04	< 10	< 1	0.18	10
PBL 1600E 200S	201	202	< 5	15.00	>10000	1.4	0.23	24	880	< 0.5	< 2	0.03	< 0.5	< 1	66	27	0.42	< 10	< 1	0.08	20
PBL 1600E 225S	201	202	10	15.00	>10000	2.4	0.16	8	750	< 0.5	< 2	0.04	< 0.5	< 1	37	48	0.40	< 10	< 1	0.09	10
PBL 1600E 250S	201	202	< 5	15.00	>10000	1.2	0.34	18	490	< 0.5	2	0.08	1.0	< 1	53	78	0.72	< 10	< 1	0.13	10
PBL 1600E 275S	201	202	10	15.00	>10000	2.0	0.30	18	420	< 0.5	< 2	0.05	0.5	< 1	69	62	0.61	< 10	< 1	0.08	10
PBL 1600E 300S	201	202	10	15.00	9200	1.4	0.17	10	670	< 0.5	< 2	0.16	3.5	< 1	29	30	0.43	< 10	< 1	0.07	20
PBL 1600E 325S	201	202	< 5	15.00	9600	2.0	0.99	48	550	1.5	< 2	0.65	19.5	11	120	252	1.91	< 10	< 1	0.16	10
PBL 1600E 350S	201	202	< 5	15.00	5000	2.6	0.69	34	200	1.0	< 2	0.52	5.0	1	165	190	2.58	< 10	< 1	0.21	10
PBL 1600E 375S	201	202	30	15.00	5000	2.6	0.25	10	670	< 0.5	< 2	0.04	0.5	< 1	29	47	0.83	< 10	< 1	0.12	10
PBL 1600E 400S	201	202	10	15.00	5400	2.2	0.84	36	150	1.5	2	0.26	7.0	< 1	199	217	2.83	10	< 1	0.22	20
PBL 1600E 425S	201	202	10	15.00	>10000	1.6	0.38	10	740	0.5	< 2	0.23	2.5	< 1	72	73	0.76	< 10	< 1	0.09	10
PBL 1600E 450S	201	202	< 5	15.00	>10000	1.0	0.46	14	490	0.5	< 2	1.03	6.5	2	46	45	1.28	< 10	< 1	0.08	10
PBL 1600E 475S	201	202	< 5	30.00	1800	< 0.2	3.12	12	730	< 0.5	< 2	2.20	1.5	28	113	40	3.87	< 10	< 1	0.11	< 10
PBL 1600E 500S	201	202	< 5	30.00	1400	0.2	2.37	< 2	490	< 0.5	< 2	1.66	0.5	26	106	64	4.75	< 10	< 1	0.07	10
PBL 1600E 525S	201	202	10	30.00	1200	1.0	2.83	34	420	< 0.5	< 2	1.34	0.5	56	110	243	7.42	10	< 1	0.11	10
PBL 2000E 025S	201	202	10	30.00	1560	0.4	1.72	2	650	< 0.5	< 2	0.28	1.0	16	44	53	3.10	< 10	< 1	0.14	20
PBL 2000E 050S	201	202	10	30.00	2000	0.2	1.31	4	720	< 0.5	< 2	0.32	1.0	12	37	70	3.12	< 10	< 1	0.13	10
PBL 2000E 075S	201	202	5	30.00	1200	< 0.2	1.27	10	290	< 0.5	< 2	0.14	0.5	7	32	27	2.91	< 10	< 1	0.09	10
PBL 2000E 100S	217	232	10	30.00	1000	< 0.2	0.86	8	320	< 0.5	< 2	0.18	< 0.5	6	128	30	2.02	< 10	< 1	0.13	10
PBL 2000E 125S	201	202	< 5	15.00	760	0.4	0.38	< 2	180	< 0.5	2	0.07	< 0.5	2	13	15	0.69	< 10	< 1	0.05	< 10
PBL 2000E 150S	201	202	10	30.00	1560	0.2	0.68	8	220	< 0.5	< 2	0.06	0.5	3	25	23	1.58	< 10	< 1	0.05	10
PBL 2000E 175S	201	202	5	30.00	1900	< 0.2	1.21	10	470	< 0.5	< 2	0.16	0.5	9	42	46	2.69	< 10	< 1	0.06	10
PBL 2000E 200S	201	202	10	30.00	1600	0.6	1.77	10	520	< 0.5	< 2	0.29	< 0.5	13	62	40	2.98	< 10	< 1	0.10	10
PBL 2000E 225S	201	202	10	30.00	1680	1.0	1.75	10	560	< 0.5	2	0.22	< 0.5	9	54	45	2.32	< 10	< 1	0.08	10
PBL 2000E 250S	201	202	< 5	30.00	1140	0.4	1.32	14	270	< 0.5	< 2	0.14	0.5	9	48	42	2.81	< 10	< 1	0.10	10

CERTIFICATION: [signature]

Chemex Labs Ltd.

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SAMPLE	PREP CODE		Mg %	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
PBL 1200E 300S	201	202	0.25	40	7	< 0.01	24	620	10	< 2	1	33	0.01	< 10	< 10	266	< 10	206
PBL 1200E 350S	217	232	0.39	100	6	< 0.01	21	1260	2	< 2	1	31	0.01	< 10	< 10	126	< 10	58
PBL 1200E 375S	201	202	0.37	230	5	< 0.01	25	1400	8	< 2	1	30	0.03	< 10	< 10	167	< 10	100
PBL 1200E 400S	217	232	0.55	165	3	< 0.01	19	580	4	< 2	3	21	0.01	< 10	< 10	68	< 10	60
PBL 1200E 425S	217	232	0.40	200	3	< 0.01	16	810	< 2	< 2	1	18	0.01	< 10	< 10	85	< 10	54
PBL 1200E 450S	217	232	0.32	90	3	< 0.01	13	490	2	< 2	2	15	0.01	< 10	< 10	61	< 10	38
PBL 1200E 475S	217	232	0.66	260	7	0.01	25	2600	12	< 2	1	59	< 0.01	< 10	< 10	127	< 10	148
PBL 1200E 500S	217	232	0.86	570	12	0.03	48	3090	18	< 2	5	119	0.02	< 10	< 10	138	< 10	244
PBL 1200E 525S	217	232	1.02	205	6	0.01	21	2350	4	< 2	3	60	0.01	< 10	< 10	109	< 10	118
PBL 1600E 025S	201	202	0.88	170	20	< 0.01	55	1320	4	< 2	5	79	0.04	< 10	< 10	390	< 10	382
PBL 1600E 050S	201	202	0.84	355	26	< 0.01	51	1400	6	< 2	5	86	0.04	< 10	< 10	390	< 10	346
PBL 1600E 075S	201	202	0.91	235	8	< 0.01	44	1250	12	< 2	5	83	0.04	< 10	< 10	316	< 10	308
PBL 1600E 100S	201	202	0.68	7050	17	< 0.01	130	2200	8	2	7	176	0.02	< 10	< 10	474	< 10	682
PBL 1600E 125S	201	202	0.65	630	13	< 0.01	35	1330	6	< 2	2	57	0.01	< 10	< 10	238	< 10	176
PBL 1600E 150S	201	202	0.33	295	17	< 0.01	55	1340	8	6	1	90	0.01	< 10	< 10	542	< 10	412
PBL 1600E 175S	201	202	0.58	65	19	< 0.01	106	1790	10	< 2	3	350	0.01	< 10	< 10	1150	< 10	664
PBL 1600E 200S	201	202	0.02	< 5	13	< 0.01	9	1430	14	2	7	177	< 0.01	< 10	< 10	265	< 10	20
PBL 1600E 225S	201	202	0.03	< 5	12	< 0.01	8	370	14	2	1	143	< 0.01	< 10	< 10	290	< 10	12
PBL 1600E 250S	201	202	0.04	5	32	< 0.01	13	690	12	2	4	195	0.05	< 10	< 10	553	< 10	32
PBL 1600E 275S	201	202	0.04	< 5	15	< 0.01	22	1880	12	6	2	361	< 0.01	< 10	< 10	325	< 10	26
PBL 1600E 300S	201	202	0.06	10	11	< 0.01	19	200	16	2	1	165	< 0.01	< 10	< 10	273	< 10	168
PBL 1600E 325S	201	202	0.70	245	72	< 0.01	319	1910	10	< 2	6	231	0.05	< 10	< 10	1780	< 10	2290
PBL 1600E 350S	201	202	0.41	105	45	0.01	76	2930	4	< 2	7	225	0.03	< 10	10	999	< 10	350
PBL 1600E 375S	201	202	0.05	< 5	18	< 0.01	12	1150	24	2	1	143	< 0.01	< 10	< 10	181	< 10	44
PBL 1600E 400S	201	202	0.26	15	32	0.01	60	1840	16	2	5	268	0.01	< 10	10	1010	< 10	134
PBL 1600E 425S	201	202	0.03	< 5	15	< 0.01	10	2730	8	< 2	4	289	0.01	< 10	< 10	375	< 10	28
PBL 1600E 450S	201	202	0.09	80	20	< 0.01	73	1500	2	< 2	3	372	0.01	< 10	< 10	467	< 10	556
PBL 1600E 475S	201	202	1.60	430	4	0.23	61	880	< 2	< 2	9	145	0.18	< 10	< 10	165	< 10	146
PBL 1600E 500S	201	202	1.69	640	8	0.12	53	870	< 2	< 2	9	92	0.19	< 10	< 10	159	< 10	176
PBL 1600E 525S	201	202	1.81	945	6	0.10	116	1120	10	< 2	13	104	0.16	< 10	< 10	161	< 10	138
PBL 2000E 025S	201	202	0.57	810	7	< 0.01	36	1270	6	< 2	4	48	0.04	< 10	< 10	145	< 10	142
PBL 2000E 050S	201	202	0.50	695	6	0.01	42	1380	6	< 2	4	58	0.04	< 10	< 10	123	< 10	152
PBL 2000E 075S	201	202	0.35	410	7	< 0.01	20	660	8	< 2	1	28	0.04	< 10	< 10	178	< 10	88
PBL 2000E 100S	217	232	0.31	245	4	< 0.01	23	1050	2	< 2	1	26	0.01	< 10	< 10	73	< 10	66
PBL 2000E 125S	201	202	0.06	75	3	< 0.01	7	980	2	< 2	< 1	9	< 0.01	< 10	< 10	58	< 10	42
PBL 2000E 150S	201	202	0.13	85	5	< 0.01	14	810	8	< 2	< 1	16	< 0.01	< 10	< 10	106	< 10	62
PBL 2000E 175S	201	202	0.49	255	6	< 0.01	38	790	6	< 2	2	34	0.01	< 10	< 10	117	< 10	118
PBL 2000E 200S	201	202	0.78	440	8	< 0.01	38	1510	8	< 2	3	37	0.01	< 10	< 10	161	< 10	114
PBL 2000E 225S	201	202	0.47	175	6	< 0.01	32	1370	8	< 2	1	37	0.01	< 10	< 10	220	< 10	126
PBL 2000E 250S	201	202	0.31	425	10	< 0.01	32	1370	8	< 2	< 1	28	0.01	< 10	< 10	295	< 10	148

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 29-JUL-98
Invoice No. :19824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Au ppb fusion FA+AA	wt. gm	Ba ppm	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
PBL 2000E 275S	201	202	15	30.00	1200	0.6	1.56	12	380	< 0.5	< 2	0.37	< 0.5	9	56	49	2.94	< 10	< 1	0.06	10
PBL 2000E 300S	201	202	15	30.00	1200	0.4	1.34	14	250	< 0.5	< 2	0.48	0.5	18	47	70	3.81	< 10	< 1	0.08	10
PBL 2000E 325S	217	232	10	30.00	740	0.2	1.18	8	360	< 0.5	< 2	0.29	0.5	9	103	54	2.44	< 10	< 1	0.17	10
PBL 2000E 350S	217	232	15	30.00	920	0.4	1.32	8	380	< 0.5	< 2	0.45	0.5	21	119	60	2.51	< 10	< 1	0.19	10
PBL 2000E 375S	201	202	20	30.00	1300	0.2	1.96	18	400	< 0.5	2	0.11	0.5	32	46	87	6.63	< 10	< 1	0.14	10
PBL 2000E 400S	217	232	10	30.00	1040	0.6	1.27	16	520	< 0.5	< 2	0.11	0.5	7	91	68	3.75	< 10	< 1	0.14	10
PBL 2000E 425S	201	202	20	30.00	1100	0.6	1.33	18	360	< 0.5	< 2	0.07	< 0.5	10	34	83	4.90	< 10	< 1	0.11	10
PBL 2000E 025N	201	202	< 5	15.00	5800	2.4	0.50	40	460	< 0.5	< 2	0.46	11.0	3	33	49	1.59	< 10	< 1	0.14	10
PBL 2000E 050N	201	202	10	15.00	2360	1.8	0.35	20	90	< 0.5	< 2	1.94	6.0	3	21	64	1.12	< 10	< 1	0.10	< 10
PBL 2000E 075N	201	202	< 5	15.00	2920	3.4	0.53	26	330	0.5	< 2	0.19	13.5	3	21	35	1.60	< 10	< 1	0.16	< 10
PBL 2000E 100N	201	202	10	15.00	7000	3.4	0.65	58	680	0.5	< 2	2.43	30.0	6	82	91	1.54	< 10	< 1	0.15	10
PBL 2200E 025N	201	202	5	30.00	1800	0.8	1.45	26	390	< 0.5	< 2	0.41	3.5	16	66	46	2.75	< 10	< 1	0.10	10
PBL 2200E 050N	201	202	5	30.00	1800	0.6	1.37	24	290	< 0.5	< 2	0.44	3.0	11	51	36	2.73	< 10	< 1	0.09	10
PBL 2200E 075N	201	202	10	30.00	1600	0.6	1.98	10	250	< 0.5	< 2	0.30	2.0	12	72	41	3.38	< 10	< 1	0.06	10
PBL 2200E 100N	201	202	< 5	30.00	1700	0.2	1.57	10	210	< 0.5	< 2	0.30	1.5	12	49	27	2.53	< 10	< 1	0.05	10
PBL 2200E 125N	201	202	50	30.00	1400	0.2	1.61	8	230	< 0.5	< 2	0.29	2.5	8	49	28	2.34	< 10	< 1	0.05	10
PBL 2200E 150N	201	202	< 5	30.00	1400	< 0.2	1.80	8	250	< 0.5	< 2	0.31	0.5	8	47	25	2.55	< 10	< 1	0.06	10
PBL 2200E 175N	201	202	< 5	30.00	1200	< 0.2	1.69	< 2	210	< 0.5	< 2	0.27	1.0	6	42	27	2.00	< 10	< 1	0.05	10
PBL 2200E 200N	201	202	< 5	30.00	1000	0.2	1.40	10	210	< 0.5	< 2	0.27	2.0	7	36	18	3.20	< 10	< 1	0.04	10
PBL 2200E 225N	201	202	< 5	30.00	1200	0.2	1.33	< 2	250	< 0.5	< 2	0.35	1.5	5	33	12	1.82	< 10	< 1	0.04	10
PBL 2200E 250N	201	202	< 5	30.00	1300	0.2	1.34	12	280	< 0.5	< 2	0.28	2.5	5	31	14	1.43	< 10	< 1	0.05	10
PBL 2200E 275N	201	202	< 5	30.00	1240	0.2	1.27	< 2	240	< 0.5	< 2	0.23	0.5	4	31	12	1.36	< 10	1	0.05	10
PBL 2200E 300N	201	202	< 5	30.00	1400	0.6	1.53	6	280	< 0.5	< 2	0.23	1.0	8	40	23	1.74	< 10	< 1	0.07	10
PBL 2200E 325N	201	202	< 5	30.00	1200	0.2	1.33	8	300	< 0.5	< 2	0.28	1.5	21	32	12	2.13	< 10	< 1	0.07	10
PBL 2200E 350N	201	202	< 5	30.00	1080	< 0.2	1.27	< 2	240	< 0.5	< 2	0.25	1.5	5	30	13	1.47	< 10	< 1	0.05	10
PBL 2200E 375N	201	202	< 5	30.00	1100	0.2	1.21	10	250	< 0.5	< 2	0.21	1.0	5	27	12	1.87	< 10	< 1	0.05	10
PBL 2200E 400N	201	202	< 5	30.00	1040	< 0.2	1.29	6	240	< 0.5	< 2	0.26	1.0	6	28	11	2.01	< 10	< 1	0.06	10

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 29-JUL-98
Invoice No. :I9824679
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824679

SAMPLE	PREP CODE		Mg %	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
PBL 2000E 275S	201	202	0.66	290	6	< 0.01	35	1730	6	< 2	2	44	< 0.01	< 10	< 10	149	< 10	104
PBL 2000E 300S	201	202	0.67	605	11	< 0.01	49	1640	6	< 2	4	54	0.03	< 10	< 10	112	< 10	138
PBL 2000E 325S	217	232	0.53	250	4	< 0.01	29	1500	6	< 2	3	33	< 0.01	< 10	< 10	67	< 10	72
PBL 2000E 350S	217	232	0.56	590	5	< 0.01	34	2310	2	< 2	3	38	0.01	< 10	< 10	113	< 10	90
PBL 2000E 375S	201	202	0.38	2380	6	0.01	50	1250	18	< 2	3	45	0.01	< 10	< 10	97	< 10	128
PBL 2000E 400S	217	232	0.18	165	8	0.01	36	1280	10	< 2	1	31	0.01	< 10	< 10	96	< 10	82
PBL 2000E 425S	201	202	0.21	505	6	0.01	37	1130	14	< 2	1	34	0.01	< 10	< 10	84	< 10	110
PBL 2000E 025N	201	202	0.25	40	25	0.01	80	1150	22	16	3	378	< 0.01	< 10	< 10	394	< 10	646
PBL 2000E 050N	201	202	0.14	100	22	0.01	77	540	16	4	1	208	< 0.01	< 10	< 10	280	< 10	550
PBL 2000E 075N	201	202	0.27	40	25	0.01	86	560	24	10	1	243	< 0.01	< 10	< 10	340	< 10	898
PBL 2000E 100N	201	202	0.65	140	68	< 0.01	233	1270	18	10	3	355	0.02	< 10	< 10	1615	< 10	2610
PBL 2200E 025N	201	202	0.68	685	15	< 0.01	56	1220	10	2	4	104	0.01	< 10	< 10	338	< 10	360
PBL 2200E 050N	201	202	0.69	305	17	< 0.01	80	1230	6	6	4	77	0.04	< 10	< 10	247	< 10	426
PBL 2200E 075N	201	202	1.13	220	12	< 0.01	62	870	10	< 2	4	43	0.03	< 10	< 10	180	< 10	276
PBL 2200E 100N	201	202	0.78	420	6	< 0.01	31	730	8	< 2	4	26	0.04	< 10	< 10	100	< 10	128
PBL 2200E 125N	201	202	0.70	110	4	< 0.01	33	700	6	< 2	4	24	0.03	< 10	< 10	97	< 10	146
PBL 2200E 150N	201	202	0.81	150	5	< 0.01	33	660	6	< 2	4	29	0.04	< 10	< 10	114	< 10	158
PBL 2200E 175N	201	202	0.72	110	3	< 0.01	28	540	6	2	4	24	0.04	< 10	< 10	83	< 10	136
PBL 2200E 200N	201	202	0.53	110	4	< 0.01	31	730	2	2	3	26	0.03	< 10	< 10	95	< 10	164
PBL 2200E 225N	201	202	0.42	85	4	< 0.01	24	680	2	4	2	33	0.03	< 10	< 10	97	< 10	142
PBL 2200E 250N	201	202	0.43	95	6	< 0.01	20	650	4	2	2	27	0.04	< 10	< 10	124	< 10	150
PBL 2200E 275N	201	202	0.41	95	1	< 0.01	19	580	6	< 2	2	24	0.04	< 10	< 10	121	< 10	132
PBL 2200E 300N	201	202	0.51	180	5	< 0.01	27	700	12	< 2	3	30	0.05	< 10	< 10	181	< 10	194
PBL 2200E 325N	201	202	0.46	790	7	< 0.01	24	760	10	< 2	3	29	0.05	< 10	< 10	147	< 10	162
PBL 2200E 350N	201	202	0.43	120	3	< 0.01	21	640	12	2	3	23	0.05	< 10	< 10	122	< 10	146
PBL 2200E 375N	201	202	0.37	150	6	< 0.01	19	720	10	2	3	20	0.04	< 10	< 10	119	< 10	122
PBL 2200E 400N	201	202	0.43	205	3	< 0.01	20	680	8	2	3	24	0.05	< 10	< 10	135	< 10	134

CERTIFICATION: Stewart Buchanan

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

A9823085

Comments: ATTN:STEWART HARRIS

CERTIFICATE A9823085

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	205	Dry, sieve to -80 mesh
202	204	save reject
205	51	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
229	256	ICP - AQ Digestion charge
232	256	Perchloric-nitric-HF digestion

* 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	254	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	256	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	256	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	256	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	256	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	256	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	256	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	256	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	256	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	256	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	256	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	256	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	256	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	256	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	256	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	256	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	256	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	256	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	256	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	256	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	256	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	256	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	256	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	256	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	256	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	256	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	256	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	256	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	256	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	256	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	256	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	256	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	256	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
25	256	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number :6-A
Total Pages :7
Certificate Date: 08-JUL-98
Invoice No. :19823085
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823085

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
TBS-41	205 226	< 5	1.6	1.55	108	100	0.5	2	0.10	9.5	4	99	149	6.20	< 10	< 1	0.42	10	0.12	55

CERTIFICATION: Hank Ficklin

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Certificate Date: 08-JUL-98
Invoice No. : I9823085
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9823085

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	Ba ppm
TBS-41	205 226	137	0.07	161	1640	20	26	7	313	< 0.01	10	< 10	774	< 10	630	3400

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number :7-A
Total Pages :7
Certificate Date: 08-JUL-98
Invoice No. : I9823085
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9823085

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
TBS-42	205	226	< 5	0.8	1.46	58	500	1.5	2	2.99	37.5	22	124	228	3.28	< 10	< 1	0.18	40	0.64	420
TBS-43	205	226	< 5	0.8	1.73	54	1420	2.5	< 2	2.19	17.0	21	141	205	2.67	10	< 1	0.11	30	0.80	185
TBS-44	205	226	< 5	0.4	1.01	48	810	2.0	< 2	1.82	10.0	14	90	133	2.60	< 10	< 1	0.11	20	0.41	205

CERTIFICATION: Stewart Bidlake

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 : BLK98-03
Comments: ATTN:STEWART HARRIS

Page Number :7-B
Total Pages :7
Certificate Date: 08-JUL-98
Invoice No. :19823085
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823085

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	Ba ppm
TBS-42	205 226	209	< 0.01	869	1590	16	< 2	7	462	0.01	< 10	70	1495	10	4360	4600
TBS-43	205 226	144	< 0.01	811	1710	14	< 2	9	387	0.08	< 10	60	1835	< 10	1990	5800
TBS-44	205 226	122	< 0.01	485	1250	10	< 2	7	382	0.01	< 10	40	837	< 10	1785	6600

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

A9824693

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824693

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 27-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
217	18	Geochem ring entire sample
201	179	Dry, sieve to -80 mesh
202	179	save reject
232	197	Perchloric-nitric-HF digestion
229	197	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	197	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
25	197	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000
2118	197	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	197	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	197	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	197	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	197	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	197	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	197	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	197	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	197	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	197	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	197	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	197	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	197	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	197	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	197	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	197	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	197	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	197	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	197	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	197	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	197	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	197	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	197	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	197	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	197	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	197	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	197	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	197	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	197	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	197	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	197	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	197	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :5
Certificate Date: 27-JUL-98
Invoice No. :19824693
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824693

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L7000E 9275N	217	232	< 5	6600	1.2	0.55	48	170	< 0.5	< 2	0.10	2.5	2	133	58	3.56	< 10	< 1	0.21	10	0.08
L7000E 9325N	201	202	< 5	6600	2.0	1.11	54	210	0.5	< 2	0.66	14.0	6	56	114	3.82	< 10	2	0.21	10	0.24
L7000E 9375N	201	202	< 5	5800	1.2	1.22	26	650	0.5	< 2	0.69	19.0	4	39	66	2.30	< 10	2	0.09	10	0.17
L7000E 9475N	201	202	< 5	>10000	14.6	1.54	192	1900	2.0	< 2	2.87	272	27	280	561	3.28	10	5	0.26	30	0.64
L7000E 9525N	201	202	< 5	6600	3.4	0.46	40	230	< 0.5	< 2	0.22	7.5	1	64	48	2.86	< 10	< 1	0.22	10	0.09
L7000E 9575N	201	202	< 5	>10000	7.0	1.54	90	570	1.0	< 2	0.91	92.5	8	141	227	2.52	< 10	< 1	0.12	20	0.29
L7400E 9525N	201	202	< 5	4400	5.2	1.44	62	1120	1.5	< 2	5.01	62.5	11	83	137	1.90	< 10	3	0.09	10	3.59
L7400E 9575N	201	202	10	9600	3.8	1.48	144	830	1.0	< 2	5.54	67.5	37	113	186	3.05	< 10	4	0.13	30	0.85
L7400E 9625N	201	202	< 5	6300	3.0	0.95	48	960	1.5	< 2	1.77	26.0	9	193	122	1.97	< 10	< 1	0.18	30	0.72
L7400E 9675N	201	202	< 5	4000	3.4	0.72	30	1120	0.5	< 2	3.19	22.0	3	73	80	0.83	< 10	2	0.11	10	0.42
L7400E 9725N	201	202	< 5	9000	4.2	0.88	50	1640	1.0	< 2	1.61	25.0	6	146	126	1.59	< 10	1	0.13	30	0.50
L7600E 9475N	201	202	10	9400	1.8	0.82	26	1630	< 0.5	< 2	0.08	1.5	1	33	32	1.97	< 10	< 1	0.06	10	0.16
L7600E 9525N	201	202	< 5	1800	0.2	1.52	36	720	0.5	< 2	0.12	2.5	9	50	45	2.25	< 10	< 1	0.08	10	0.99
L7600E 9575N	201	202	< 5	2400	0.4	1.24	24	1020	0.5	< 2	0.43	10.0	4	65	18	2.32	< 10	1	0.07	10	0.17
L7600E 9625N	201	202	< 5	1960	0.6	0.71	10	410	< 0.5	< 2	0.03	0.5	1	26	17	0.98	< 10	< 1	0.06	10	0.05
L7800E 9075N	201	202	10	5600	1.2	1.54	72	240	0.5	< 2	0.23	19.0	9	53	139	3.82	< 10	< 1	0.29	10	0.98
L7800E 9325N	201	202	< 5	4200	0.6	0.55	34	560	< 0.5	< 2	0.33	3.5	4	26	32	2.08	< 10	< 1	0.13	10	0.21
L7800E 9375N	201	202	10	6000	1.8	0.92	42	610	0.5	< 2	0.47	10.0	7	64	75	2.16	< 10	< 1	0.14	20	0.40
L7800E 9475N	201	202	10	>10000	0.8	0.73	24	2410	0.5	< 2	0.35	10.0	11	47	48	1.55	< 10	< 1	0.05	10	0.26
L7800E 9625N	201	202	10	5200	8.4	0.85	42	1270	1.0	< 2	1.78	21.5	6	182	151	1.85	< 10	1	0.13	30	0.60
L7800E 9675N	201	202	10	>10000	13.2	1.14	258	1500	2.0	< 2	8.40	283	22	389	661	2.40	10	7	0.25	30	1.05
L7900E 9125N	201	202	< 5	4400	1.0	1.32	82	160	< 0.5	< 2	0.09	5.0	3	40	81	4.18	< 10	< 1	0.29	10	0.17
L7900E 9150N	217	232	< 5	3880	0.2	0.62	28	600	< 0.5	< 2	0.02	2.0	1	125	40	1.43	< 10	< 1	0.16	< 10	0.12
L7900E 9175N	201	202	< 5	2880	0.8	1.91	52	830	0.5	< 2	0.14	8.0	12	43	55	3.26	< 10	< 1	0.12	10	1.35
L7900E 9200N	201	202	10	>10000	1.0	1.51	52	590	< 0.5	2	0.19	5.5	8	48	75	3.90	< 10	< 1	0.18	30	0.44
L7900E 9250N	201	202	5	2560	1.2	1.16	28	420	< 0.5	< 2	0.08	1.5	5	31	37	2.67	< 10	< 1	0.09	10	0.22
L7900E 9275N	201	202	< 5	>10000	3.8	0.83	28	850	0.5	< 2	2.66	17.0	10	110	124	2.04	< 10	< 1	0.13	10	1.07
L7900E 9300N	201	202	< 5	9600	3.0	0.73	28	760	0.5	< 2	1.74	9.5	5	91	78	1.71	< 10	< 1	0.08	10	0.35
L7900E 9325N	201	202	10	3800	4.2	0.66	22	800	< 0.5	< 2	0.31	5.0	2	80	67	2.19	< 10	< 1	0.07	10	0.13
L7900E 9350N	201	202	< 5	4400	1.8	0.69	24	1090	< 0.5	< 2	0.19	3.0	3	56	38	2.07	< 10	1	0.06	10	0.19
L7900E 9375N	201	202	< 5	9600	2.8	0.81	8	1950	0.5	< 2	0.20	1.0	< 1	61	67	1.15	< 10	< 1	0.05	10	0.14
L7900E 9400N	201	202	< 5	7600	2.0	0.85	18	1600	< 0.5	< 2	0.23	1.0	1	67	51	2.08	< 10	< 1	0.06	10	0.18
L7900E 9450N	201	202	< 5	>10000	1.6	0.47	42	560	0.5	< 2	0.41	19.0	6	61	52	1.88	< 10	< 1	0.11	10	0.06
L7900E 9500N	201	202	< 5	>10000	0.8	0.61	30	5780	0.5	2	0.28	11.5	6	55	47	1.41	< 10	2	0.07	20	0.15
L7900E 9525N	201	202	60	>10000	0.8	0.69	34	9800	0.5	< 2	0.54	16.5	8	54	58	1.43	< 10	1	0.06	20	0.14
L7900E 9550N	201	202	< 5	>10000	3.4	1.73	64	2220	1.0	< 2	0.28	68.0	21	133	121	2.49	< 10	2	0.11	30	0.26
L7900E 9575N	201	202	5	>10000	4.4	1.22	52	2690	0.5	< 2	0.53	41.0	14	99	109	2.36	< 10	1	0.11	20	0.36
L7900E 9600N	201	202	< 5	9200	5.2	1.03	64	1830	0.5	2	0.68	41.0	12	135	115	2.21	< 10	1	0.13	30	0.35
L7900E 9625N	201	202	< 5	>10000	6.4	1.12	102	740	1.5	< 2	1.67	58.0	18	186	235	3.20	< 10	2	0.22	30	0.59
L7900E 9650N	201	202	< 5	>10000	5.0	0.92	64	1170	1.5	< 2	2.00	50.5	10	167	173	2.08	< 10	3	0.17	30	0.70

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: [redacted] EQUITY ENGINEERING LTD.

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CERTIFICATE OF ANALYSIS A9824693

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
L7000E 9275N	217	232	110	51	< 0.01	44	2560	10	6	3	126	< 0.01	< 10	< 10	547	< 10	160
L7000E 9325N	201	202	270	48	< 0.01	202	2960	14	4	5	186	0.01	< 10	< 10	700	< 10	1195
L7000E 9375N	201	202	120	20	< 0.01	121	1550	8	8	3	115	0.02	< 10	< 10	378	< 10	1980
L7000E 9475N	201	202	590	240	< 0.01	1075	3390	28	32	10	498	0.16	20	10	6030	< 10	>10000
L7000E 9525N	201	202	35	32	< 0.01	55	1240	16	8	3	237	0.01	< 10	< 10	529	< 10	500
L7000E 9575N	201	202	195	68	< 0.01	421	3590	14	14	7	456	0.11	10	10	2220	< 10	7310
L7400E 9525N	201	202	425	60	< 0.01	412	2520	4	8	6	518	0.05	10	< 10	1755	< 10	8100
L7400E 9575N	201	202	770	59	< 0.01	849	4380	< 2	12	5	783	0.03	< 10	10	1640	< 10	8050
L7400E 9625N	201	202	150	40	< 0.01	327	2670	8	4	7	309	0.01	< 10	< 10	1345	< 10	2060
L7400E 9675N	201	202	75	18	< 0.01	254	2070	< 2	6	2	229	0.01	< 10	10	1075	< 10	1565
L7400E 9725N	201	202	130	37	< 0.01	319	2210	6	6	6	265	0.02	< 10	< 10	1450	< 10	2200
L7600E 9475N	201	202	45	19	< 0.01	29	1580	12	6	3	136	0.01	< 10	< 10	156	< 10	140
L7600E 9525N	201	202	220	43	< 0.01	203	380	6	< 2	4	24	0.04	< 10	< 10	1070	< 10	750
L7600E 9575N	201	202	150	24	< 0.01	61	360	12	< 2	3	65	0.05	< 10	< 10	1440	< 10	398
L7600E 9625N	201	202	30	13	< 0.01	20	420	8	2	< 1	7	0.01	< 10	< 10	348	< 10	62
L7800E 9075N	201	202	195	84	0.01	309	1320	18	8	7	198	0.01	< 10	< 10	764	< 10	2080
L7800E 9325N	201	202	60	58	< 0.01	109	960	12	8	1	205	< 0.01	< 10	< 10	335	< 10	452
L7800E 9375N	201	202	105	47	< 0.01	241	1400	12	4	4	220	0.01	< 10	< 10	608	< 10	1220
L7800E 9475N	201	202	170	39	< 0.01	256	1350	4	< 2	2	113	0.03	< 10	< 10	669	< 10	846
L7800E 9625N	201	202	145	25	< 0.01	353	2110	6	2	8	208	0.02	< 10	< 10	787	< 10	2050
L7800E 9675N	201	202	280	233	< 0.01	1095	2510	30	10	11	811	0.24	20	< 10	7090	10	>10000
L7900E 9125N	201	202	60	93	0.01	96	1590	16	10	6	219	0.01	< 10	< 10	440	< 10	474
L7900E 9150N	217	232	20	41	< 0.01	53	570	8	< 2	2	99	< 0.01	< 10	< 10	279	< 10	168
L7900E 9175N	201	202	230	55	< 0.01	238	800	16	4	5	88	0.02	< 10	< 10	596	< 10	1380
L7900E 9200N	201	202	180	67	< 0.01	184	1640	20	8	6	228	0.07	< 10	< 10	780	< 10	1010
L7900E 9250N	201	202	115	32	< 0.01	65	600	12	6	3	58	0.05	< 10	< 10	528	< 10	266
L7900E 9275N	201	202	240	21	< 0.01	327	4740	2	6	5	432	0.01	< 10	< 10	364	< 10	1675
L7900E 9300N	201	202	95	16	< 0.01	171	3170	4	2	3	333	< 0.01	< 10	< 10	255	< 10	1015
L7900E 9325N	201	202	25	17	< 0.01	79	1680	8	6	1	92	0.01	< 10	< 10	217	< 10	318
L7900E 9350N	201	202	120	22	< 0.01	63	1080	6	4	1	77	0.01	< 10	< 10	246	< 10	322
L7900E 9375N	201	202	20	8	< 0.01	23	1200	10	2	3	110	0.03	< 10	< 10	262	< 10	92
L7900E 9400N	201	202	40	15	< 0.01	23	1550	6	< 2	3	113	0.03	< 10	< 10	283	< 10	100
L7900E 9450N	201	202	120	43	< 0.01	146	1450	6	4	3	178	0.05	< 10	< 10	674	< 10	732
L7900E 9500N	201	202	95	64	< 0.01	319	800	4	2	4	102	0.04	< 10	< 10	1165	< 10	938
L7900E 9525N	201	202	150	58	< 0.01	505	1150	2	2	3	173	0.04	< 10	< 10	916	< 10	1340
L7900E 9550N	201	202	765	62	< 0.01	365	1680	10	2	6	209	0.10	10	< 10	2560	< 10	2140
L7900E 9575N	201	202	430	55	< 0.01	332	1690	12	4	7	173	0.09	< 10	< 10	2040	< 10	4280
L7900E 9600N	201	202	370	115	< 0.01	396	2270	14	8	4	151	0.04	< 10	< 10	2410	< 10	3970
L7900E 9625N	201	202	220	115	< 0.01	745	3820	16	8	9	347	0.07	< 10	10	2690	< 10	6860
L7900E 9650N	201	202	165	61	< 0.01	483	2400	16	6	8	284	0.07	< 10	< 10	2080	< 10	5830

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: [redacted]TY E[redacted]ERIN[redacted]D.

207 - 675 W. HASTINGS ST.
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CERTIFICATE OF ANALYSIS A9824693

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L7900E 9675N	201	202	< 5	>10000	12.4	1.10	180	1420	1.5	4	4.79	126.0	18	290	541	2.16	10	5	0.18	40	0.77
L7900E 9700N	201	202	< 5	>10000	9.2	1.08	216	1120	1.5	2	6.83	158.0	14	201	361	2.31	10	6	0.21	10	1.09
L7900E 9725N	217	232	< 5	6600	4.6	0.61	80	1220	0.5	< 2	2.52	87.5	5	138	189	0.83	< 10	2	0.12	10	0.86
L7900E 9750N	201	202	< 5	8600	2.8	0.46	20	350	0.5	< 2	0.34	1.0	< 1	42	123	1.94	< 10	1	0.20	10	0.12
L7900E 9775N	201	202	10	8800	2.4	0.55	34	790	0.5	< 2	0.47	12.5	2	58	100	1.40	< 10	< 1	0.13	10	0.11
L7900E 9800N	201	202	< 5	7800	1.8	0.37	28	380	< 0.5	< 2	0.26	15.0	1	31	53	1.92	< 10	1	0.21	10	0.08
L7900E 9850N	201	202	10	>10000	3.0	3.46	94	80	1.0	2	0.28	7.0	16	75	417	6.51	< 10	1	0.33	< 10	0.09
L7900E 9900N	217	232	10	6000	2.0	0.54	42	100	< 0.5	2	0.04	1.0	1	50	40	3.49	< 10	< 1	0.27	10	0.06
L7900E 9950N	201	202	< 5	6200	6.8	0.29	136	40	< 0.5	2	0.04	1.5	1	32	30	11.30	< 10	1	1.14	< 10	0.04
L7900E 10000N	201	202	< 5	8000	1.4	0.40	22	250	< 0.5	< 2	0.04	1.5	< 1	12	58	1.96	< 10	< 1	0.31	10	0.02
L8000E 8975N	201	202	10	1160	0.4	0.89	26	350	< 0.5	< 2	0.04	< 0.5	4	20	18	2.54	< 10	< 1	0.05	10	0.15
L8000E 9025N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E 9075N	201	202	< 5	2880	1.8	2.14	56	400	< 0.5	2	0.14	3.0	7	46	83	3.98	< 10	< 1	0.17	20	0.60
L8000E 9125N	217	232	< 5	1480	0.8	0.72	18	440	< 0.5	2	0.01	< 0.5	1	45	19	1.16	< 10	1	0.09	10	0.07
L8000E 9525N	201	202	< 5	3840	< 0.2	0.96	14	2060	0.5	< 2	0.07	1.5	4	40	27	1.53	< 10	< 1	0.04	10	0.18
L8000E 9575N	201	202	< 5	5000	3.0	1.07	46	2250	1.0	< 2	0.39	39.5	6	111	117	1.50	< 10	1	0.09	20	0.31
L8000E 9675N	201	202	< 5	2080	1.8	0.45	< 2	450	< 0.5	< 2	1.48	11.5	2	20	36	0.84	< 10	< 1	0.06	< 10	0.08
L8000E 9725N	217	232	< 5	3320	2.4	0.40	34	1040	0.5	2	1.20	42.5	3	104	96	0.62	< 10	1	0.08	10	0.15
L8000E 9775N	217	232	5	>10000	2.4	0.50	48	440	0.5	< 2	0.89	38.0	4	95	86	1.55	< 10	2	0.14	10	0.19
L8100E 9100N	201	202	< 5	2200	0.6	2.25	56	560	1.0	< 2	0.09	13.0	54	39	148	3.50	< 10	1	0.18	30	1.51
L8100E 9125N	201	202	< 5	3600	0.8	0.97	46	400	< 0.5	< 2	0.14	3.0	4	30	88	2.67	< 10	< 1	0.11	10	0.17
L8100E 9150N	217	232	10	4200	1.0	1.18	54	390	0.5	< 2	0.46	10.5	6	98	103	3.01	< 10	< 1	0.18	10	0.31
L8100E 9175N	201	202	< 5	9400	1.4	1.90	24	740	0.5	< 2	0.28	11.5	36	36	70	2.18	< 10	< 1	0.07	10	0.50
L8100E 9200N	201	202	< 5	>10000	1.2	1.21	18	6570	0.5	< 2	1.35	24.0	9	50	99	1.89	< 10	< 1	0.07	10	0.27
L8100E 9225N	201	202	< 5	>10000	0.2	1.60	18	4430	< 0.5	2	0.17	10.5	12	30	19	2.23	< 10	< 1	0.02	< 10	0.06
L8100E 9250N	201	202	< 5	>10000	1.0	1.09	14	>10000	0.5	< 2	0.23	18.0	10	49	118	1.38	< 10	1	0.08	10	0.17
L8100E 9275N	201	202	5	>10000	2.0	0.60	26	2370	1.0	< 2	1.04	12.5	6	98	118	1.69	< 10	< 1	0.06	20	0.28
L8100E 9300N	217	232	< 5	>10000	0.8	0.69	28	760	0.5	< 2	0.61	13.0	5	107	56	1.54	< 10	1	0.09	10	0.16
L8100E 9325N	217	232	< 5	>10000	0.2	0.46	8	1520	< 0.5	< 2	0.05	1.5	1	86	34	1.03	< 10	< 1	0.08	10	0.03
L8100E 9350N	201	202	10	>10000	1.4	1.96	76	910	0.5	< 2	0.13	7.0	5	134	171	2.57	10	< 1	0.11	20	0.12
L8100E 9375N	201	202	< 5	>10000	2.0	1.84	94	640	0.5	4	0.27	19.5	11	137	114	3.58	< 10	1	0.12	20	0.21
L8100E 9400N	201	202	< 5	>10000	1.4	0.74	36	400	< 0.5	2	0.05	2.0	3	61	48	2.32	< 10	< 1	0.14	10	0.06
L8100E 9425N	201	202	< 5	>10000	1.4	0.73	28	640	< 0.5	< 2	0.07	2.0	1	58	62	1.87	< 10	< 1	0.14	10	0.11
L8100E 9450N	201	202	< 5	>10000	1.0	0.71	34	570	< 0.5	< 2	0.02	0.5	< 1	63	33	1.87	< 10	< 1	0.12	10	0.05
L8100E 9475N	201	202	< 5	>10000	0.6	1.31	24	2220	0.5	4	0.12	4.5	7	63	82	2.00	< 10	< 1	0.08	10	0.23
L8100E 9500N	201	202	< 5	9400	1.0	1.27	98	1390	0.5	< 2	0.18	10.5	11	41	55	2.47	< 10	< 1	0.07	10	0.30
L8100E 9525N	201	202	< 5	6000	0.4	1.44	4	2520	< 0.5	< 2	0.29	2.0	6	38	30	1.82	< 10	< 1	0.07	10	0.40
L8100E 9550N	201	202	< 5	9000	1.8	1.29	48	1400	0.5	< 2	0.46	12.5	6	63	66	2.14	< 10	1	0.10	20	0.40
L8100E 9575N	201	202	< 5	2240	1.0	0.73	22	1030	< 0.5	< 2	0.06	4.0	2	59	30	1.35	< 10	< 1	0.04	10	0.08
L8100E 9600N	201	202	< 5	2860	1.2	0.92	20	760	< 0.5	< 2	0.05	3.0	3	60	37	1.54	< 10	< 1	0.04	10	0.10

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :2-B
Total Pages :5
Certificate Date: 27-JUL-98
Invoice No. :19824693
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824693

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
L7900E 9675N	201	202	210	147	< 0.01	999	2770	22	8	13	784	0.19	10	< 10	4930	< 10	>10000
L7900E 9700N	201	202	235	196	< 0.01	904	1970	18	12	8	694	0.13	< 10	< 10	4450	< 10	>10000
L7900E 9725N	217	232	140	74	< 0.01	362	1110	6	4	4	396	0.04	< 10	< 10	2700	< 10	5640
L7900E 9750N	201	202	25	23	< 0.01	27	1880	16	< 2	3	387	< 0.01	< 10	< 10	289	< 10	54
L7900E 9775N	201	202	45	26	< 0.01	85	1910	8	2	3	278	0.01	< 10	< 10	542	< 10	800
L7900E 9800N	201	202	40	28	< 0.01	44	1140	8	2	2	240	0.01	< 10	< 10	305	< 10	462
L7900E 9850N	201	202	375	60	0.01	335	6220	16	10	9	323	0.01	< 10	10	530	< 10	930
L7900E 9900N	217	232	15	31	< 0.01	25	1000	20	6	2	90	< 0.01	< 10	< 10	188	< 10	66
L7900E 9950N	201	202	25	54	0.02	16	3150	42	4	3	217	0.01	< 10	< 10	136	< 10	88
L7900E 10000N	201	202	15	26	< 0.01	24	460	16	2	3	169	< 0.01	< 10	< 10	158	< 10	104
L8000E 8975N	201	202	115	14	< 0.01	14	470	8	2	1	23	0.05	< 10	< 10	200	< 10	54
L8000E 9025N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L8000E 9075N	201	202	160	82	< 0.01	197	1550	18	< 2	4	207	0.03	< 10	< 10	572	< 10	580
L8000E 9125N	217	232	20	30	< 0.01	30	400	12	< 2	1	28	0.01	< 10	< 10	275	< 10	130
L8000E 9525N	201	202	80	30	< 0.01	110	460	8	< 2	1	30	0.02	< 10	< 10	528	< 10	200
L8000E 9575N	201	202	130	65	< 0.01	330	1130	10	6	4	130	0.03	10	< 10	2170	< 10	2590
L8000E 9675N	201	202	55	16	< 0.01	50	1220	6	8	1	186	0.01	< 10	< 10	316	< 10	390
L8000E 9725N	217	232	85	41	< 0.01	140	750	2	4	3	192	0.02	< 10	< 10	1620	< 10	2050
L8000E 9775N	217	232	110	47	< 0.01	183	1660	8	2	3	316	0.01	< 10	10	957	< 10	2360
L8100E 9100N	201	202	750	82	< 0.01	812	1200	16	6	5	116	0.01	< 10	< 10	514	< 10	2550
L8100E 9125N	201	202	60	92	< 0.01	120	1310	10	6	2	116	0.01	< 10	< 10	422	< 10	244
L8100E 9150N	217	232	90	95	0.01	270	1350	10	4	5	198	< 0.01	< 10	< 10	647	< 10	708
L8100E 9175N	201	202	1085	34	< 0.01	165	1470	12	2	2	117	0.02	< 10	< 10	424	< 10	624
L8100E 9200N	201	202	270	16	< 0.01	135	2880	2	< 2	4	542	0.01	< 10	< 10	556	< 10	904
L8100E 9225N	201	202	360	28	< 0.01	177	1470	8	< 2	1	406	0.02	< 10	< 10	343	< 10	1330
L8100E 9250N	201	202	505	30	< 0.01	112	1480	8	2	2	222	0.03	< 10	< 10	908	< 10	962
L8100E 9275N	201	202	175	22	< 0.01	202	2440	4	2	3	267	0.03	< 10	< 10	616	< 10	896
L8100E 9300N	217	232	160	49	< 0.01	206	1090	8	2	2	200	0.03	< 10	< 10	662	< 10	662
L8100E 9325N	217	232	20	38	< 0.01	56	790	10	2	1	249	0.06	< 10	< 10	638	< 10	174
L8100E 9350N	201	202	135	67	< 0.01	137	5100	18	12	7	458	0.10	< 10	10	1325	< 10	386
L8100E 9375N	201	202	290	69	< 0.01	245	4780	12	8	7	294	0.08	10	< 10	956	< 10	1100
L8100E 9400N	201	202	85	18	< 0.01	40	2050	14	2	< 1	218	< 0.01	< 10	< 10	201	< 10	204
L8100E 9425N	201	202	50	24	< 0.01	21	2120	12	2	1	261	0.01	< 10	< 10	300	< 10	82
L8100E 9450N	201	202	25	27	< 0.01	10	2040	18	6	1	245	0.01	< 10	< 10	268	< 10	36
L8100E 9475N	201	202	180	24	< 0.01	80	1630	12	2	2	222	0.04	< 10	< 10	478	< 10	400
L8100E 9500N	201	202	260	84	< 0.01	826	880	10	2	4	91	0.04	10	< 10	503	< 10	828
L8100E 9525N	201	202	135	13	< 0.01	76	910	8	2	3	95	0.05	< 10	< 10	366	< 10	356
L8100E 9550N	201	202	140	50	< 0.01	216	1050	14	4	4	248	0.04	< 10	< 10	1095	< 10	1460
L8100E 9575N	201	202	50	23	< 0.01	42	510	12	2	< 1	27	0.04	< 10	< 10	965	< 10	284
L8100E 9600N	201	202	60	31	< 0.01	59	730	12	2	< 1	15	0.03	< 10	< 10	1050	< 10	370

CERTIFICATION:

[redacted] To: [redacted]

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

207 - 675 W. HASTINGS ST.
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Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

[redacted] Number [redacted]3-A [redacted]
Total Pages :5
Certificate Date: 27-JUL-98
Invoice No. :19824693
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824693

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L8100E 9625N	201	202	< 5	2160	0.8	0.92	24	680	< 0.5	2	0.04	1.0	3	63	24	1.69	< 10	1	0.07	20	0.09
L8100E 9650N	201	202	< 5	7400	7.8	1.25	60	2060	0.5	< 2	1.89	68.5	12	147	186	2.22	10	3	0.13	30	0.79
L8100E 9675N	217	232	< 5	>10000	3.2	0.83	36	2730	0.5	< 2	0.79	44.5	9	182	117	1.32	< 10	1	0.12	20	0.24
L8100E 9700N	201	202	< 5	>10000	8.6	1.21	94	1700	1.5	< 2	1.72	179.0	18	239	368	2.15	10	4	0.20	50	0.49
L8100E 9725N	217	232	< 5	>10000	3.4	0.62	58	2440	1.0	< 2	0.91	79.0	7	182	144	0.97	10	3	0.13	20	0.24
L8100E 9750N	201	202	< 5	>10000	11.6	1.04	140	1250	1.5	< 2	2.05	150.0	11	241	324	1.64	10	5	0.20	40	0.58
L8100E 9775N	201	202	< 5	7800	5.6	0.65	58	620	0.5	< 2	2.39	88.5	4	86	217	1.03	< 10	3	0.11	10	0.60
L8100E 9800N	201	202	< 5	>10000	2.6	0.59	38	810	0.5	< 2	0.59	15.0	17	70	79	1.48	< 10	2	0.09	10	0.26
L8100E 9850N	201	202	< 5	>10000	4.0	0.54	44	590	0.5	< 2	1.70	73.5	4	68	204	0.91	< 10	3	0.08	10	0.34
L8100E 9900N	201	202	< 5	3440	0.2	0.14	2	810	< 0.5	< 2	0.02	< 0.5	< 1	8	14	0.21	< 10	< 1	0.04	< 10	0.01
L8100E 9950N	201	202	5	4600	2.4	0.21	44	140	< 0.5	< 2	0.01	0.5	< 1	15	49	2.95	< 10	1	0.30	10	0.01
L8100E 10000N	201	202	< 5	3520	1.2	0.51	20	600	< 0.5	< 2	0.04	< 0.5	1	15	36	1.71	< 10	< 1	0.16	10	0.07
L8200E 9325N	201	202	< 5	>10000	1.0	0.84	26	>10000	0.5	< 2	0.83	27.0	8	40	76	1.26	< 10	< 1	0.05	10	0.23
L8200E 9375N	201	202	10	9600	1.2	0.81	20	700	0.5	< 2	1.74	8.0	4	44	67	1.01	< 10	< 1	0.06	10	0.25
L8200E 9425N	201	202	< 5	>10000	1.6	0.86	30	930	0.5	< 2	1.92	11.5	5	42	78	1.17	< 10	< 1	0.07	10	0.24
L8200E 9475N	217	232	< 5	2040	0.6	0.29	6	840	< 0.5	< 2	0.11	1.5	1	76	14	0.67	< 10	< 1	0.07	10	0.04
L8200E 9625N	201	202	< 5	>10000	7.4	1.54	134	3480	2.5	2	2.77	262	12	425	606	2.07	30	8	0.26	50	0.64
L8200E 9675N	201	202	< 5	5200	5.2	1.36	78	1010	1.5	2	1.43	129.0	14	212	228	2.08	10	4	0.18	30	0.34
L8200E 9725N	201	202	< 5	>10000	9.4	1.03	108	1310	1.5	< 2	2.23	158.0	12	189	425	1.77	10	3	0.18	30	0.65
L8200E 9775N	201	202	10	9200	6.0	1.01	110	1130	1.5	2	3.46	79.5	16	145	327	2.20	10	3	0.18	30	1.50
L8200E 9825N	201	202	< 5	5400	1.8	0.34	10	1710	< 0.5	< 2	0.17	2.5	< 1	20	31	0.83	< 10	< 1	0.05	10	0.04
L8200E 9925N	201	202	< 5	2720	1.6	0.42	22	170	< 0.5	< 2	1.98	64.5	1	18	89	0.90	< 10	< 1	0.13	< 10	0.11
L8300E 9000N	201	202	< 5	1920	0.6	1.49	40	470	< 0.5	< 2	0.17	2.5	10	45	92	3.15	< 10	< 1	0.16	10	1.19
L8300E 9025N	217	232	< 5	3200	0.2	0.67	32	470	< 0.5	< 2	0.01	1.5	2	85	41	1.90	< 10	< 1	0.21	10	0.12
L8300E 9050N	217	232	< 5	2640	0.4	0.48	22	720	< 0.5	< 2	0.01	0.5	1	118	32	1.11	< 10	< 1	0.13	10	0.05
L8300E 9075N	217	232	< 5	3200	0.4	0.66	38	660	< 0.5	< 2	0.03	1.5	1	97	48	1.37	< 10	< 1	0.15	10	0.13
L8300E 9100N	201	202	< 5	6200	1.2	1.08	46	1250	< 0.5	< 2	0.28	14.0	12	37	101	2.13	< 10	< 1	0.12	30	0.23
L8300E 9125N	201	202	5	7800	1.0	1.47	64	320	0.5	2	0.37	14.5	12	43	116	3.27	< 10	2	0.21	20	0.36
L8300E 9150N	201	202	< 5	6000	1.2	1.80	66	520	0.5	< 2	0.73	22.5	15	55	140	2.96	< 10	< 1	0.18	30	0.48
L8300E 9175N	201	202	< 5	>10000	6.0	3.72	116	1760	2.5	< 2	1.16	125.0	43	262	288	2.11	10	5	0.19	40	0.52
L8300E 9200N	201	202	< 5	7200	4.4	0.97	44	860	1.0	< 2	3.28	121.5	6	129	203	1.02	10	1	0.12	20	0.44
L8300E 9225N	201	202	< 5	7200	4.6	3.11	96	2500	1.5	2	0.51	87.0	25	197	277	2.68	10	3	0.17	40	0.59
L8300E 9250N	201	202	< 5	7200	7.0	1.89	88	2760	1.0	< 2	0.62	71.5	19	178	205	2.37	10	4	0.16	30	0.51
L8300E 9275N	201	202	< 5	>10000	7.4	1.31	82	1860	1.5	< 2	1.69	133.5	12	240	346	1.68	10	5	0.19	30	0.56
L8300E 9300N	201	202	< 5	3960	4.2	1.63	40	1830	0.5	< 2	0.43	64.5	11	96	174	1.90	< 10	1	0.10	20	0.41
L8300E 9325N	201	202	10	7800	6.6	1.82	58	1910	0.5	2	0.71	62.0	14	132	212	2.46	10	3	0.14	30	0.56
L8300E 9350N	201	202	< 5	4000	1.6	1.84	52	1710	0.5	4	0.15	8.5	14	98	74	2.88	10	1	0.16	30	0.55
L8300E 9375N	201	202	< 5	9800	2.4	1.51	34	2540	1.0	< 2	0.51	31.0	10	96	124	1.89	< 10	2	0.13	30	0.60
L8300E 9400N	201	202	< 5	8200	1.6	1.39	68	1690	1.5	< 2	0.32	15.5	20	106	113	3.00	10	< 1	0.18	50	0.39
L8300E 9425N	201	202	< 5	3200	0.4	0.93	24	1260	< 0.5	< 2	0.31	7.0	3	30	36	1.63	< 10	< 1	0.09	20	0.19

CERTIFICATION: _____

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To: [redacted]TY E[redacted]ERIN[redacted]D.

207 - 675 W. HASTINGS ST.
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Project : BLK 98-03
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[redacted] Nu[redacted] 3-B [redacted]
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CERTIFICATE OF ANALYSIS A9824693

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
L8100E 9625N	201	202	60	34	< 0.01	52	600	16	4	1	14	0.05	< 10	< 10	1225	< 10	224
L8100E 9650N	201	202	230	120	< 0.01	715	1750	16	6	11	227	0.16	10	< 10	2880	< 10	>10000
L8100E 9675N	217	232	225	75	< 0.01	279	1540	4	2	5	180	0.07	< 10	< 10	2610	< 10	2980
L8100E 9700N	201	202	345	174	< 0.01	877	2310	18	6	13	315	0.18	10	< 10	5210	< 10	>10000
L8100E 9725N	217	232	160	92	< 0.01	291	1260	10	4	5	162	0.06	< 10	< 10	3570	< 10	4570
L8100E 9750N	201	202	180	178	< 0.01	663	2140	18	8	12	282	0.14	10	10	5310	< 10	>10000
L8100E 9775N	201	202	110	62	< 0.01	436	1050	6	10	4	318	0.04	10	20	1785	< 10	6330
L8100E 9800N	201	202	610	55	< 0.01	109	1240	10	4	2	149	0.03	< 10	< 10	1380	< 10	578
L8100E 9850N	201	202	135	48	< 0.01	394	920	2	4	3	224	0.03	< 10	10	1375	< 10	5160
L8100E 9900N	201	202	< 5	4	< 0.01	10	280	8	< 2	< 1	38	< 0.01	< 10	< 10	60	< 10	18
L8100E 9950N	201	202	< 5	76	< 0.01	11	890	20	8	< 1	151	< 0.01	< 10	< 10	126	< 10	26
L8100E 10000N	201	202	35	26	< 0.01	17	630	14	6	1	81	< 0.01	< 10	< 10	126	< 10	74
L8200E 9325N	201	202	225	44	< 0.01	334	1400	6	2	1	247	0.02	< 10	< 10	633	< 10	1385
L8200E 9375N	201	202	90	25	< 0.01	307	1420	2	2	2	174	0.01	< 10	< 10	607	< 10	574
L8200E 9425N	201	202	175	45	< 0.01	440	1530	4	8	2	181	0.01	10	< 10	643	< 10	834
L8200E 9475N	217	232	25	30	< 0.01	69	470	6	2	< 1	21	0.01	< 10	< 10	334	< 10	148
L8200E 9625N	201	202	255	102	< 0.01	988	3090	24	< 2	16	448	0.19	10	< 10	9540	< 10	>10000
L8200E 9675N	201	202	475	95	< 0.01	474	2030	16	8	3	201	0.06	< 10	< 10	4730	< 10	6540
L8200E 9725N	201	202	200	148	< 0.01	762	2020	22	14	8	345	0.10	20	< 10	3840	< 10	>10000
L8200E 9775N	201	202	345	169	< 0.01	846	1980	18	16	7	482	0.06	10	< 10	2830	< 10	8190
L8200E 9825N	201	202	5	9	< 0.01	17	830	8	2	< 1	67	< 0.01	< 10	< 10	134	< 10	70
L8200E 9925N	201	202	70	13	< 0.01	223	730	6	10	1	203	0.01	< 10	10	287	< 10	3430
L8300E 9000N	201	202	260	46	< 0.01	121	1170	16	2	5	138	0.04	< 10	< 10	465	< 10	390
L8300E 9025N	217	232	55	56	< 0.01	49	420	6	4	3	99	< 0.01	< 10	< 10	344	< 10	166
L8300E 9050N	217	232	20	39	< 0.01	30	360	10	2	1	44	< 0.01	< 10	< 10	314	< 10	72
L8300E 9075N	217	232	35	46	< 0.01	56	480	8	8	2	73	< 0.01	< 10	< 10	347	< 10	128
L8300E 9100N	201	202	175	70	< 0.01	328	1550	8	2	5	177	0.01	< 10	< 10	546	< 10	1210
L8300E 9125N	201	202	185	89	< 0.01	493	1680	14	6	5	208	0.01	10	< 10	746	< 10	1815
L8300E 9150N	201	202	240	83	< 0.01	489	1900	10	4	2	250	0.01	< 10	< 10	906	< 10	1950
L8300E 9175N	201	202	845	222	< 0.01	987	3920	24	20	17	307	0.24	< 10	30	6530	< 10	6150
L8300E 9200N	201	202	170	55	< 0.01	482	2130	4	6	5	379	0.06	10	20	3130	< 10	6650
L8300E 9225N	201	202	775	106	< 0.01	599	3350	20	10	7	315	0.13	10	10	4930	< 10	3960
L8300E 9250N	201	202	435	85	< 0.01	437	2530	16	8	8	208	0.13	10	< 10	4620	< 10	4710
L8300E 9275N	201	202	205	131	< 0.01	867	3230	14	6	11	375	0.14	10	< 10	6020	< 10	>10000
L8300E 9300N	201	202	275	48	< 0.01	351	1240	10	6	3	127	0.04	< 10	10	1785	< 10	3530
L8300E 9325N	201	202	245	63	< 0.01	434	2580	8	8	8	216	0.12	< 10	< 10	2740	< 10	4040
L8300E 9350N	201	202	360	83	< 0.01	322	820	16	4	4	97	0.07	< 10	< 10	2090	< 10	1475
L8300E 9375N	201	202	205	61	< 0.01	449	1590	2	2	7	175	0.06	10	< 10	1865	< 10	1855
L8300E 9400N	201	202	490	180	< 0.01	651	1790	14	8	8	169	0.03	10	< 10	2510	< 10	1855
L8300E 9425N	201	202	70	23	< 0.01	47	440	10	< 2	1	84	0.04	< 10	< 10	409	< 10	184

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 27-JUL-98
Invoice No. : I9824693
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824693

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L8300E 9450N	201	202	10	5400	1.4	1.43	48	490	1.0	< 2	0.48	14.5	5	59	89	2.23	< 10	1	0.20	30	0.59
L8300E 9475N	201	202	< 5	>10000	1.2	1.44	34	1280	0.5	< 2	0.27	9.5	7	62	74	2.43	< 10	1	0.16	30	0.41
L8300E 9500N	201	202	< 5	>10000	1.2	1.87	26	1130	0.5	< 2	0.17	4.0	8	56	60	2.73	< 10	< 1	0.14	20	0.38
L8300E 9525N	201	202	< 5	>10000	1.2	1.13	24	1300	0.5	< 2	0.39	7.0	5	57	65	2.00	< 10	1	0.14	20	0.36
L8300E 9550N	201	202	10	7200	1.6	1.43	36	310	0.5	< 2	0.22	6.0	8	65	69	3.15	< 10	< 1	0.19	10	0.29
L8300E 9575N	201	202	< 5	6700	1.0	2.34	24	1730	< 0.5	< 2	0.14	4.0	12	44	63	3.15	< 10	< 1	0.10	10	0.52
L8300E 9600N	201	202	< 5	9400	1.0	1.92	72	980	1.5	< 2	0.17	12.5	6	155	154	4.72	< 10	1	0.23	30	0.26
L8300E 9625N	201	202	10	>10000	7.0	2.03	86	1430	1.5	2	1.21	109.5	15	159	275	3.39	10	3	0.19	40	0.71
L8300E 9650N	201	202	< 5	>10000	8.0	2.25	112	1200	2.0	< 2	4.74	214	18	294	464	3.00	20	5	0.31	50	1.26
L8300E 9675N	201	202	< 5	>10000	8.6	1.66	92	940	2.0	< 2	3.48	131.5	16	219	355	2.58	10	5	0.24	40	1.04
L8300E 9700N	201	202	< 5	>10000	9.2	1.67	90	920	1.5	< 2	4.14	119.0	14	203	378	2.44	10	4	0.22	40	1.11
L8300E 9725N	201	202	< 5	>10000	20.0	1.72	186	760	2.0	< 2	2.28	280	16	316	620	2.32	20	8	0.34	50	0.65
L8300E 9750N	201	202	< 5	>10000	9.2	1.52	94	830	1.5	< 2	3.04	146.5	12	202	353	2.23	10	4	0.25	40	0.99
L8300E 9775N	201	202	< 5	>10000	6.8	1.51	84	1220	1.5	2	3.54	122.5	12	188	283	2.12	10	3	0.20	30	0.89
L8300E 9800N	201	202	< 5	>10000	8.0	1.86	86	930	1.5	2	3.41	122.0	13	203	336	2.43	10	3	0.23	40	1.26
L8300E 9825N	201	202	< 5	6400	3.0	0.73	22	170	0.5	< 2	3.71	133.5	4	56	175	1.03	< 10	3	0.14	10	0.27
L8300E 9850N	201	202	< 5	10000	4.6	1.47	58	290	1.0	< 2	2.21	94.0	6	136	201	1.75	10	3	0.21	30	0.49
L8300E 9875N	201	202	< 5	10000	5.8	1.07	42	310	0.5	< 2	1.74	74.0	5	89	210	1.47	< 10	2	0.18	20	0.30
L8300E 9900N	201	202	< 5	3000	0.4	0.54	6	1150	< 0.5	2	0.23	2.0	< 1	10	15	0.63	< 10	< 1	0.09	10	0.06
L8300E 9925N	201	202	< 5	4000	0.8	0.40	20	1210	< 0.5	< 2	0.06	0.5	< 1	15	31	1.79	< 10	< 1	0.08	10	0.03
L8300E 9950N	201	202	< 5	3280	0.4	0.52	8	1170	< 0.5	< 2	0.01	< 0.5	< 1	10	16	0.92	< 10	< 1	0.10	10	0.04
L8300E 9975N	217	232	10	3440	0.6	0.40	14	1020	< 0.5	< 2	0.01	< 0.5	< 1	9	23	1.47	< 10	< 1	0.15	20	0.03
L8300E 10000N	201	202	< 5	3840	0.8	0.35	18	730	< 0.5	< 2	0.03	< 0.5	< 1	9	26	1.48	< 10	< 1	0.18	10	0.03
L8400E 9325N	201	202	5	>10000	10.4	2.39	82	2980	1.5	4	0.97	86.5	25	176	276	2.98	10	3	0.19	40	0.53
L8400E 9625N	201	202	< 5	2200	2.0	0.65	28	1300	0.5	< 2	0.92	26.5	3	121	66	0.85	< 10	1	0.12	10	0.18
L8400E 9675N	201	202	< 5	2040	1.4	0.61	28	950	0.5	2	1.62	24.5	4	126	46	0.75	< 10	< 1	0.12	10	0.21
L8400E 9725N	217	232	5	>10000	10.6	1.27	134	1900	1.5	2	9.98	137.5	16	244	353	2.44	10	4	0.24	30	0.52
L8400E 9775N	201	202	< 5	7400	7.6	1.20	58	1190	1.5	< 2	5.73	69.5	8	183	243	1.63	10	3	0.22	40	0.69
L8500E 8625N	201	202	< 5	1400	< 0.2	0.86	6	360	< 0.5	< 2	0.06	< 0.5	2	19	10	0.94	< 10	< 1	0.05	20	0.07
L8500E 8650N	201	202	< 5	3280	0.6	1.63	28	1490	< 0.5	< 2	0.34	5.5	6	35	39	3.25	< 10	< 1	0.08	10	0.48
L8500E 8675N	201	202	< 5	2560	0.4	1.79	24	1390	< 0.5	2	0.25	3.0	5	40	42	2.60	< 10	1	0.09	20	0.48
L8500E 8700N	201	202	< 5	1800	0.2	1.23	12	630	< 0.5	2	0.25	0.5	4	25	13	2.19	< 10	< 1	0.04	10	0.29
L8500E 8725N	201	202	< 5	2120	0.2	1.44	10	750	< 0.5	2	0.23	0.5	3	26	17	2.11	< 10	< 1	0.05	10	0.38
L8500E 8750N	201	202	< 5	2080	0.2	1.47	14	520	< 0.5	< 2	0.27	1.5	5	29	21	1.96	< 10	1	0.08	20	0.50
L8500E 8775N	201	202	< 5	1460	0.6	1.87	10	630	< 0.5	< 2	0.35	0.5	5	34	22	2.02	< 10	< 1	0.10	10	0.52
L8500E 8800N	201	202	< 5	2480	0.8	1.37	28	270	< 0.5	< 2	1.27	35.5	179	26	40	4.48	< 10	< 1	0.06	10	0.24
L8500E 8825N	201	202	< 5	1920	0.2	1.50	12	710	< 0.5	< 2	0.43	1.5	6	29	16	1.97	< 10	< 1	0.07	10	0.40
L8500E 8850N	201	202	< 5	2440	0.2	1.52	14	580	< 0.5	< 2	0.28	2.0	6	30	21	2.11	< 10	< 1	0.09	10	0.43
L8500E 8875N	201	202	< 5	1720	0.4	1.58	16	650	< 0.5	< 2	0.24	2.0	5	31	27	1.99	< 10	< 1	0.10	20	0.44
L8500E 8900N	201	202	< 5	2200	0.2	1.68	20	620	< 0.5	< 2	0.20	2.0	16	34	26	2.59	< 10	1	0.12	20	0.55

CERTIFICATION: Stewart Bidlake

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: [redacted] ENGINEERING LTD.

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

Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 27-JUL-98
Invoice No. : 19824693
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824693

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
L8300E 9450N	201	202	130	58	0.01	170	2030	12	6	6	321	0.01	< 10	< 10	1110	< 10	820
L8300E 9475N	201	202	230	36	< 0.01	97	1930	10	6	3	251	0.02	< 10	< 10	764	< 10	622
L8300E 9500N	201	202	225	29	< 0.01	81	1760	12	6	3	130	0.03	< 10	< 10	605	< 10	484
L8300E 9525N	201	202	150	27	< 0.01	87	2290	8	2	4	259	0.03	< 10	< 10	607	< 10	478
L8300E 9550N	201	202	275	41	< 0.01	98	2140	14	10	3	182	0.02	< 10	< 10	713	< 10	546
L8300E 9575N	201	202	285	14	< 0.01	88	660	12	< 2	5	63	0.05	< 10	< 10	309	< 10	476
L8300E 9600N	201	202	35	121	< 0.01	350	3200	14	18	8	550	0.01	< 10	10	2070	< 10	2030
L8300E 9625N	201	202	300	97	< 0.01	651	3490	10	16	10	493	0.10	10	10	3200	< 10	>10000
L8300E 9650N	201	202	275	193	< 0.01	1025	4590	28	6	13	858	0.22	10	10	7760	< 10	>10000
L8300E 9675N	201	202	290	151	< 0.01	769	3960	16	10	10	739	0.15	20	< 10	5010	< 10	>10000
L8300E 9700N	201	202	310	133	< 0.01	1015	3630	18	14	9	811	0.16	10	< 10	4490	< 10	>10000
L8300E 9725N	201	202	340	198	< 0.01	1010	2800	22	32	14	456	0.15	30	10	8230	< 10	>10000
L8300E 9750N	201	202	280	124	< 0.01	664	3130	18	12	9	574	0.12	20	10	4880	< 10	>10000
L8300E 9775N	201	202	285	117	< 0.01	674	3240	14	12	8	664	0.11	< 10	< 10	4430	< 10	9840
L8300E 9800N	201	202	315	114	< 0.01	758	3440	16	4	10	676	0.13	10	< 10	4640	< 10	>10000
L8300E 9825N	201	202	125	31	< 0.01	470	1360	2	8	3	439	0.04	< 10	20	1135	< 10	7350
L8300E 9850N	201	202	130	72	< 0.01	499	2610	10	10	6	425	0.09	< 10	< 10	3000	< 10	7080
L8300E 9875N	201	202	170	42	< 0.01	344	1540	10	6	5	288	0.04	10	40	1760	< 10	5000
L8300E 9900N	201	202	10	7	< 0.01	12	520	4	2	1	42	< 0.01	< 10	< 10	84	< 10	90
L8300E 9925N	201	202	5	19	< 0.01	11	880	8	4	1	52	< 0.01	< 10	< 10	119	< 10	42
L8300E 9950N	201	202	5	12	< 0.01	7	380	6	< 2	1	22	< 0.01	< 10	< 10	83	< 10	20
L8300E 9975N	217	232	5	18	< 0.01	9	270	12	4	< 1	39	< 0.01	< 10	< 10	90	< 10	22
L8300E 10000N	201	202	10	18	0.01	15	320	14	2	1	64	< 0.01	< 10	< 10	86	< 10	36
L8400E 9325N	201	202	565	112	< 0.01	677	3480	16	18	11	312	0.14	10	10	4020	< 10	6910
L8400E 9625N	201	202	95	36	< 0.01	80	1670	2	4	3	100	0.02	< 10	< 10	1830	< 10	1055
L8400E 9675N	201	202	155	42	< 0.01	115	980	6	2	2	128	0.02	< 10	< 10	1865	< 10	1190
L8400E 9725N	217	232	230	209	< 0.01	824	5140	20	18	8	1115	0.14	10	< 10	4540	< 10	>10000
L8400E 9775N	201	202	145	87	< 0.01	556	4160	10	8	9	779	0.11	10	< 10	3360	< 10	7090
L8500E 8625N	201	202	45	12	< 0.01	11	280	10	< 2	1	19	0.04	< 10	< 10	225	< 10	78
L8500E 8650N	201	202	175	83	< 0.01	58	910	16	8	5	183	0.05	< 10	< 10	444	< 10	284
L8500E 8675N	201	202	95	45	< 0.01	46	800	16	6	5	63	0.05	< 10	< 10	369	< 10	256
L8500E 8700N	201	202	95	30	< 0.01	19	730	10	< 2	2	34	0.04	< 10	< 10	182	< 10	118
L8500E 8725N	201	202	80	11	< 0.01	21	650	8	< 2	3	33	0.05	< 10	< 10	148	< 10	108
L8500E 8750N	201	202	110	16	< 0.01	32	710	10	< 2	3	43	0.07	< 10	< 10	184	< 10	154
L8500E 8775N	201	202	105	15	< 0.01	43	580	12	2	4	46	0.05	< 10	< 10	180	< 10	194
L8500E 8800N	201	202	5930	220	< 0.01	136	1560	10	14	5	77	0.03	< 10	< 10	576	< 10	344
L8500E 8825N	201	202	145	15	< 0.01	25	620	6	< 2	4	46	0.06	< 10	< 10	129	< 10	124
L8500E 8850N	201	202	165	21	< 0.01	36	820	10	< 2	3	45	0.05	< 10	< 10	194	< 10	162
L8500E 8875N	201	202	140	19	< 0.01	50	810	10	< 2	3	61	0.05	< 10	< 10	261	< 10	222
L8500E 8900N	201	202	495	27	< 0.01	67	640	14	< 2	3	66	0.05	< 10	< 10	268	< 10	350

CERTIFICATION: [signature]

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CERTIFICATE OF ANALYSIS A9824693

SAMPLE	PREP CODE		Au ppb FA+AA	Ba ppm	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 %
L8500E 8925N	201	202	< 5	1700	0.2	1.28	6	400	< 0.5	< 2	0.22	0.5	3	24	12	1.55	< 10	< 1	0.07	10	0.34
L8500E 8950N	201	202	15	1800	0.2	1.49	26	470	< 0.5	< 2	0.07	1.5	7	35	44	3.41	< 10	< 1	0.14	20	0.42
L8500E 8975N	201	202	< 5	2680	0.6	1.70	54	140	< 0.5	< 2	0.20	4.5	11	46	77	5.29	< 10	< 1	0.28	20	0.68
L8500E 9000N	201	202	< 5	1480	0.4	1.24	16	380	< 0.5	< 2	0.31	2.0	5	28	30	2.04	< 10	< 1	0.11	10	0.38
L8500E 9025N	201	202	< 5	1640	0.2	1.27	8	430	< 0.5	< 2	0.26	1.0	4	24	23	1.74	< 10	< 1	0.06	10	0.36
L8500E 9050N	201	202	< 5	1800	1.2	1.35	14	520	0.5	< 2	0.69	24.5	4	24	107	1.40	< 10	< 1	0.06	10	0.08
L8500E 9075N	201	202	< 5	>10000	1.4	1.28	50	1500	1.0	< 2	0.66	16.5	14	64	114	2.26	< 10	2	0.11	30	0.50
L8500E 9100N	201	202	< 5	>10000	4.8	1.12	74	1690	1.5	< 2	1.19	45.5	18	147	191	2.71	10	4	0.16	40	0.60
L8500E 9125N	201	202	< 5	7800	4.6	0.97	92	1430	1.5	< 2	1.76	47.5	18	152	156	2.74	10	3	0.21	30	1.36
L8500E 9150N	201	202	< 5	8600	3.8	1.02	52	1730	1.5	< 2	1.37	42.0	14	156	143	2.09	< 10	1	0.14	30	0.88
L8500E 9175N	201	202	< 5	>10000	3.0	0.83	50	700	1.5	< 2	5.18	45.5	8	161	325	1.95	10	1	0.13	20	1.59
L8500E 9200N	201	202	< 5	8200	2.8	0.67	24	1320	0.5	< 2	3.30	25.0	7	143	126	1.44	< 10	1	0.10	10	0.55
L8500E 9225N	201	202	< 5	8600	4.0	1.03	46	1870	1.5	< 2	2.41	27.5	9	156	128	1.87	< 10	1	0.10	20	0.91
L8500E 9250N	201	202	< 5	7200	4.8	0.94	54	1140	1.0	< 2	1.64	43.5	8	142	118	1.63	< 10	3	0.12	20	0.74
L8500E 9275N	201	202	< 5	7000	3.6	0.85	38	1390	1.0	< 2	1.64	23.5	7	182	108	1.75	< 10	2	0.12	20	0.86
L8500E 9300N	201	202	< 5	6000	2.2	1.15	110	790	0.5	< 2	0.98	6.0	6	115	61	2.94	10	2	0.17	30	0.21
L8500E 9325N	201	202	< 5	6600	5.2	1.15	56	2030	1.5	< 2	4.42	42.5	8	81	101	1.89	< 10	1	0.11	20	2.90
L8500E 9350N	201	202	5	>10000	13.0	2.08	158	2250	2.0	< 2	2.17	120.0	34	209	368	4.32	10	5	0.27	50	0.64
L8500E 9375N	201	202	< 5	>10000	10.6	2.34	208	2880	2.0	2	1.90	104.5	33	222	360	6.44	10	5	0.26	50	0.59
L8500E 9400N	201	202	< 5	4600	1.6	0.31	8	670	< 0.5	< 2	2.21	61.5	2	25	37	0.43	< 10	1	0.03	< 10	0.07
L8500E 9425N	201	202	< 5	8000	3.4	1.38	44	1670	1.0	< 2	2.88	41.0	14	83	74	2.33	< 10	1	0.10	30	1.05
L8500E 9450N	201	202	< 5	7200	3.0	1.07	30	1450	0.5	< 2	2.58	27.5	8	70	84	1.60	< 10	< 1	0.09	20	0.75
L8500E 9475N	201	202	< 5	8200	3.4	0.80	38	2110	1.0	< 2	2.19	29.0	7	144	114	1.68	< 10	< 1	0.11	30	0.77
L8500E 9500N	201	202	< 5	>10000	5.8	1.09	50	2310	1.5	< 2	1.51	33.0	9	143	125	2.21	< 10	4	0.14	40	0.63
L8500E 9525N	201	202	< 5	3480	4.4	1.08	28	1320	0.5	2	2.64	72.0	9	56	118	1.48	< 10	1	0.08	10	0.38
L8500E 9550N	201	202	< 5	3000	5.4	1.03	24	1210	0.5	< 2	2.08	65.0	5	50	144	1.33	< 10	1	0.08	10	0.37
L8500E 9575N	201	202	< 5	>10000	5.6	1.33	64	1140	0.5	< 2	2.20	83.5	8	97	190	1.98	< 10	2	0.12	20	0.45
L8500E 9600N	201	202	< 5	3480	2.0	0.39	22	760	< 0.5	< 2	3.55	21.0	3	38	42	0.68	< 10	1	0.06	< 10	0.12
L8500E 9625N	201	202	< 5	7200	6.0	1.07	68	1980	1.0	< 2	1.51	52.5	8	119	180	1.99	< 10	3	0.15	40	0.57
L8500E 9650N	201	202	< 5	5600	6.2	0.96	42	1740	1.0	< 2	1.99	54.0	7	96	156	1.55	< 10	1	0.11	30	0.49
L8500E 9675N	201	202	< 5	5200	4.8	0.76	34	1210	0.5	< 2	2.25	51.0	5	74	132	1.23	< 10	1	0.09	20	0.37
L8500E 9700N	201	202	< 5	3400	4.4	0.74	26	1150	0.5	< 2	2.05	43.0	4	64	116	1.15	< 10	1	0.11	20	0.31
L8500E 9725N	201	202	< 5	>10000	3.6	0.92	54	1750	1.0	< 2	1.54	30.0	9	81	107	2.17	< 10	3	0.12	30	0.48
L8500E 9750N	201	202	< 5	6000	4.2	0.81	42	1200	1.0	< 2	2.06	39.0	7	73	131	1.63	< 10	1	0.11	30	0.38
L8500E 9775N	201	202	< 5	3040	5.0	0.68	28	570	0.5	< 2	2.60	47.0	5	53	142	1.27	< 10	< 1	0.08	10	0.23
L8500E 9800N	201	202	< 5	8000	2.4	0.54	34	420	< 0.5	< 2	0.30	4.5	1	41	76	2.48	< 10	< 1	0.23	10	0.11
L8500E 9850N	201	202	< 5	5200	2.4	0.66	24	770	< 0.5	< 2	0.35	11.5	3	41	60	2.16	< 10	< 1	0.22	20	0.19
L8500E 9900N	201	202	< 5	4200	1.6	0.55	30	470	< 0.5	< 2	0.19	2.0	2	22	47	2.93	< 10	1	0.24	10	0.07

CERTIFICATION: Stewart Bidlake

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: [redacted]TY E[redacted]EERIN[redacted]D.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-03
Comments: ATTN: STEWART HARRIS

[redacted] Nu[redacted] 5-B [redacted]
Total Pages :5
Certificate Date: 27-JUL-98
Invoice No. : I9824693
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824693

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
L8500E 8925N	201	202	95	8	< 0.01	21	460	10	< 2	3	44	0.06	< 10	< 10	131	< 10	86
L8500E 8950N	201	202	305	41	0.01	45	790	12	2	2	117	0.04	< 10	< 10	432	< 10	200
L8500E 8975N	201	202	405	102	0.01	132	1530	26	< 2	5	189	0.05	10	< 10	660	< 10	380
L8500E 9000N	201	202	135	26	0.01	42	1080	10	< 2	2	68	0.04	< 10	< 10	245	< 10	192
L8500E 9025N	201	202	85	9	< 0.01	31	680	8	< 2	3	48	0.04	< 10	< 10	124	< 10	142
L8500E 9050N	201	202	65	31	< 0.01	145	1740	6	2	3	98	0.01	< 10	< 10	197	< 10	318
L8500E 9075N	201	202	260	71	< 0.01	617	1410	8	4	7	230	0.05	10	10	1115	< 10	1895
L8500E 9100N	201	202	295	166	< 0.01	535	2570	12	4	9	324	0.16	10	10	3530	< 10	4090
L8500E 9125N	201	202	235	92	< 0.01	347	1700	18	4	8	246	0.08	< 10	< 10	3260	< 10	3730
L8500E 9150N	201	202	175	51	< 0.01	496	2050	8	6	8	266	0.07	< 10	< 10	2020	< 10	4620
L8500E 9175N	201	202	190	70	< 0.01	348	2460	12	< 2	7	684	0.10	10	< 10	1735	< 10	2560
L8500E 9200N	201	202	170	21	< 0.01	264	2270	6	8	4	479	0.04	< 10	< 10	955	< 10	1550
L8500E 9225N	201	202	215	49	< 0.01	419	2130	8	8	6	360	0.04	< 10	< 10	1435	< 10	2470
L8500E 9250N	201	202	100	43	< 0.01	352	2230	8	6	6	270	0.03	< 10	< 10	1655	< 10	3140
L8500E 9275N	201	202	75	26	< 0.01	307	2450	6	< 2	6	333	0.03	< 10	< 10	1295	< 10	1985
L8500E 9300N	201	202	45	201	< 0.01	331	1890	12	10	4	179	0.08	20	< 10	2770	< 10	1425
L8500E 9325N	201	202	325	88	< 0.01	364	1960	6	4	5	420	0.04	10	< 10	1685	< 10	2750
L8500E 9350N	201	202	700	275	< 0.01	1225	6610	22	22	15	697	0.10	10	10	4710	< 10	>10000
L8500E 9375N	201	202	610	338	< 0.01	1395	6400	22	30	15	711	0.08	10	20	5180	< 10	>10000
L8500E 9400N	201	202	90	17	< 0.01	158	760	< 2	10	1	288	0.01	< 10	40	433	< 10	2780
L8500E 9425N	201	202	270	57	< 0.01	532	2630	8	4	6	401	0.05	10	< 10	1355	< 10	5440
L8500E 9450N	201	202	180	37	< 0.01	271	1990	6	6	5	380	0.06	< 10	< 10	1180	< 10	3360
L8500E 9475N	201	202	125	35	< 0.01	337	2190	4	6	7	390	0.02	< 10	< 10	1070	< 10	1965
L8500E 9500N	201	202	140	76	< 0.01	468	3050	12	4	9	397	0.06	< 10	< 10	1755	< 10	4530
L8500E 9525N	201	202	310	30	< 0.01	325	1510	6	2	5	301	0.04	< 10	10	916	< 10	4810
L8500E 9550N	201	202	220	24	< 0.01	293	1510	6	8	5	268	0.03	< 10	10	818	< 10	3790
L8500E 9575N	201	202	190	70	< 0.01	551	1520	8	10	9	323	0.08	< 10	30	1695	< 10	6050
L8500E 9600N	201	202	105	27	< 0.01	100	1190	2	12	2	382	0.02	< 10	< 10	737	< 10	1015
L8500E 9625N	201	202	135	99	< 0.01	519	2270	4	8	9	345	0.08	10	< 10	2220	< 10	5990
L8500E 9650N	201	202	175	57	< 0.01	378	2160	6	4	7	337	0.04	< 10	10	1580	< 10	4060
L8500E 9675N	201	202	150	48	< 0.01	343	1400	6	4	5	298	0.03	10	< 10	1265	< 10	3340
L8500E 9700N	201	202	115	50	< 0.01	264	1510	10	6	5	246	0.03	< 10	10	1310	< 10	2490
L8500E 9725N	201	202	205	97	< 0.01	404	2720	8	6	8	328	0.05	< 10	< 10	1685	< 10	3440
L8500E 9750N	201	202	180	70	< 0.01	385	2200	4	4	6	301	0.04	< 10	10	1435	< 10	3010
L8500E 9775N	201	202	180	39	< 0.01	319	1360	6	8	4	339	0.01	< 10	10	885	< 10	2430
L8500E 9800N	201	202	55	31	0.01	41	1540	12	4	1	442	0.01	< 10	< 10	377	< 10	336
L8500E 9850N	201	202	90	26	< 0.01	85	1070	14	2	4	255	0.02	< 10	< 10	555	< 10	942
L8500E 9900N	201	202	50	21	0.01	29	1150	12	6	1	201	< 0.01	< 10	< 10	178	< 10	182

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

A9824740

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824740

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	2	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :19824740
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824740

SAMPLE	PREP CODE	Zn %
98MJS-049	244 --	1.29
98MJS-050	244 --	1.67

CERTIFICATION:

OVERLIMITS from A9824010

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

A9825476

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9825476

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	2	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 23-JUL-98
Invoice No. :I9825476
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825476

SAMPLE	PREP CODE	Zn %
98MJS-054	244 --	1.75
98MJS-055	244 --	2.52

CERTIFICATION: Said Leinad

OVERLIMITS from A9824697

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

A9825474

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9825474

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	20	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	20	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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 : BLK 98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 23-JUL-98
Invoice No. :19825474
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825474

SAMPLE	PREP CODE		Zn %
L7000E 9475N	244	--	2.72
L7800E 9675N	244	--	2.62
L7900E 9675N	244	--	1.33
L7900E 9700N	244	--	2.12
L8100E 9650N	244	--	1.14
L8100E 9700N	244	--	1.71
L8100E 9750N	244	--	1.28
L8200E 9625N	244	--	1.81
L8200E 9725N	244	--	1.54
L8300E 9275N	244	--	1.62
L8300E 9625N	244	--	1.09
L8300E 9650N	244	--	1.73
L8300E 9675N	244	--	1.29
L8300E 9700N	244	--	1.21
L8300E 9725N	244	--	2.51
L8300E 9750N	244	--	1.10
L8300E 9800N	244	--	1.10
L8400E 9725N	244	--	1.28
L8500E 9350N	244	--	1.33
L8500E 9375N	244	--	1.69

CERTIFICATION:

OVERLIMITS from A9824693

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

A9820759

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9820759

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-JUN-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	7	Assay ring to approx 150 mesh
226	7	0-3 Kg crush and split
3202	7	Rock - save entire reject
229	7	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	7	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	7	Ba %: XRF	XRF	0.01	100.0
2118	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	7	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	7	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	7	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	7	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	7	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	7	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 1
Certificate Date: 13-JUN-98
Invoice No. : I9820759
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9820759

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
312001	208	226	< 5	0.21	0.2	0.33	10	1040	< 0.5	< 2	< 0.01	< 0.5	< 1	89	25	0.35	< 10	< 1	0.11	< 10	0.03
312002	208	226	< 5	1.94	< 0.2	0.57	16	3170	< 0.5	< 2	0.19	0.5	1	161	39	0.89	< 10	< 1	0.05	< 10	0.04
312003	208	226	< 5	0.60	0.2	0.53	16	2030	< 0.5	< 2	0.09	4.0	1	123	51	0.94	< 10	< 1	0.11	< 10	0.04
312004	208	226	< 5	1.14	0.6	0.47	12	1400	< 0.5	< 2	0.03	1.5	< 1	118	22	0.65	< 10	< 1	0.14	< 10	0.04
312005	208	226	< 5	0.65	0.4	0.36	10	2230	< 0.5	< 2	0.01	0.5	1	149	28	0.59	< 10	< 1	0.07	< 10	0.03
312006	208	226	< 5	19.25	0.6	0.35	4	>10000	0.5	< 2	12.50	10.5	5	32	73	0.39	< 10	< 1	0.06	< 10	2.78
312007	208	226	< 5	23.2	0.2	0.36	10	>10000	< 0.5	< 2	0.47	6.5	2	76	46	0.77	< 10	< 1	0.06	< 10	0.10

CERTIFICATION: Stewart Bielle

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
Certificate Date: 13-JUN-98
Invoice No. :I9820759
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9820759

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
312001	208	226	5	9	< 0.01	16	60	< 2	6	1	25	< 0.01	< 10	< 10	262	< 10	14
312002	208	226	10	27	< 0.01	51	990	< 2	< 2	2	155	0.04	< 10	< 10	357	< 10	156
312003	208	226	10	31	< 0.01	45	550	2	6	2	104	< 0.01	< 10	< 10	514	< 10	184
312004	208	226	10	21	< 0.01	27	180	< 2	4	1	64	< 0.01	< 10	< 10	494	< 10	64
312005	208	226	5	18	< 0.01	31	140	8	2	1	61	< 0.01	< 10	< 10	436	< 10	86
312006	208	226	450	9	< 0.01	147	>10000	< 2	4	1	1770	0.01	< 10	< 10	419	< 10	936
312007	208	226	25	21	< 0.01	84	1930	< 2	2	1	1400	0.01	< 10	< 10	459	< 10	506

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

A9823079

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823079

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	9	Geochem ring to approx 150 mesh
226	9	0-3 Kg crush and split
3202	9	Rock - save entire reject
229	9	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	9	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	9	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	9	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	9	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	9	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	9	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	9	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	9	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	9	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	9	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	9	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	9	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	9	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	9	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	9	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	9	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	9	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	9	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	9	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	9	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	9	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	9	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	9	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	9	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	9	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	9	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	9	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	9	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	9	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	9	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	9	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	9	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	9	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	9	Ba %: XRF	XRF	0.01	100.0

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9823079
P.O. Number :NONE
Account :EIA

CERTIFICATE OF ANALYSIS A9823079

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
312010	205	226	< 5	1.0	0.27	46	60	< 0.5	< 2	3.37	0.5	4	28	42	2.50	< 10	< 1	0.25	< 10	0.04	15
312011	205	226	< 5	1.0	0.23	16	1090	< 0.5	< 2	0.44	20.0	3	284	101	0.48	< 10	< 1	0.05	< 10	0.06	50
312012	205	226	< 5	0.4	0.74	152	>10000	0.5	< 2	4.40	42.0	11	65	47	1.42	< 10	< 1	0.04	< 10	0.36	155
312013	205	226	< 5	1.0	0.44	12	>10000	0.5	< 2	1.51	31.0	4	142	116	0.91	< 10	< 1	0.09	< 10	0.08	75
312014	205	226	< 5	0.8	0.37	612	>10000	< 0.5	< 2	1.02	25.0	2	132	120	0.43	< 10	< 1	0.03	< 10	0.05	30

CERTIFICATION: Stewart Buchler

Chemex Labs Ltd.

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207 - 675 W. HASTINGS ST.
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V6B 1N2

Project : BLK98-03
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Page Number :1-B
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9823079
P.O. Number :NONE
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CERTIFICATE OF ANALYSIS A9823079

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	Ba XRF %
312010	205 226	19	< 0.01	25	1380	10	4	4	134	< 0.01	< 10	< 10	109	< 10	208	0.31
312011	205 226	20	< 0.01	85	750	4	< 2	2	113	0.02	< 10	< 10	1830	< 10	1005	0.31
312012	205 226	27	< 0.01	315	1280	< 2	< 2	2	422	0.03	< 10	< 10	572	< 10	2420	17.25
312013	205 226	26	< 0.01	162	1200	4	< 2	3	553	0.01	< 10	10	1160	< 10	1260	10.40
312014	205 226	19	< 0.01	110	3070	< 2	2	2	1385	0.01	< 10	10	403	< 10	518	12.85

CERTIFICATION: Stewart Buchler

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To: EQUITY ENGINEERING LTD.

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

A9822620

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9822620

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	24	Geochem ring to approx 150 mesh
226	24	0-3 Kg crush and split
3202	24	Rock - save entire reject
229	24	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	24	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	24	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	24	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	24	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	24	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	24	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	24	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	24	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	24	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	24	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	24	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	24	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	24	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	24	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	24	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	24	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	24	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	24	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	24	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	24	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	24	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	24	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	24	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	24	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	24	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	24	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	24	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	24	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	24	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	24	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	24	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	24	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	24	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	24	Ba %: XRF	XRF	0.01	100.0

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :1
Certificate Date: 13-JUL-98
Invoice No. :I9822620
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9822620

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
108961	205 226	< 5	< 0.2	0.85	2	120	< 0.5	< 2	0.06	< 0.5	4	196	37	2.06	< 10	< 1	0.04	< 10	0.45	95
108962	205 226	15	< 0.2	1.63	< 2	210	0.5	< 2	2.05	< 0.5	6	121	157	2.43	< 10	< 1	0.41	10	1.53	190
108963	205 226	< 5	< 0.2	0.42	6	230	< 0.5	< 2	2.30	0.5	3	156	28	1.41	< 10	< 1	0.09	< 10	0.81	605
524599	205 226	< 5	0.4	0.63	10	330	0.5	< 2	1.14	0.5	7	127	53	2.60	< 10	< 1	0.26	10	0.88	275
524600	205 226	< 5	0.2	0.30	14	170	< 0.5	< 2	1.08	0.5	4	120	53	2.28	< 10	< 1	0.14	< 10	0.14	310

CERTIFICATION: Hans Bielle

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
Certificate Date: 13-JUL-98
Invoice No. :I9822620
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9822620

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	Ba XRF %
108961	205 226	< 1	< 0.01	17	100	8	< 2	1	5	< 0.01	< 10	< 10	30	< 10	30	0.04
108962	205 226	4	< 0.01	30	5900	10	< 2	6	124	< 0.01	< 10	< 10	270	< 10	100	0.06
108963	205 226	1	0.01	19	350	6	< 2	1	95	< 0.01	< 10	< 10	34	< 10	66	0.08
524599	205 226	8	0.04	57	4150	16	< 2	3	118	< 0.01	< 10	< 10	145	< 10	90	0.10
524600	205 226	9	0.01	33	2710	4	4	2	59	< 0.01	< 10	< 10	70	< 10	86	0.06

CERTIFICATION: Hart Biddle

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

A9824633

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824633

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	17	Geochem ring to approx 150 mesh
226	17	0-3 Kg crush and split
3202	17	Rock - save entire reject
229	17	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	17	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	17	Ba %: XRF	XRF	0.01	100.0
2118	17	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	17	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	17	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	17	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	17	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	17	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	17	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	17	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	17	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	17	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	17	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	17	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	17	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	17	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	17	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	17	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	17	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	17	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	17	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	17	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	17	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	17	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	17	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	17	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	17	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	17	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	17	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	17	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	17	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	17	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	17	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	17	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Project : BLK98-03
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Page Number : 1-A
Total Pages : 1
Certificate Date: 28-JUL-98
Invoice No. : I9824633
P.O. Number :
Account : EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9824633

SAMPLE	PREP CODE	Au ppb FA+AA	Ba XRF %	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 %
N312021	205 226	< 5	0.59	0.2	0.59	30	660	1.0	< 2	1.12	13.5	7	130	93	1.77	< 10	< 1	0.08	10	0.12
N312022	205 226	< 5	0.49	< 0.2	0.30	8	1310	< 0.5	< 2	0.05	4.5	1	248	16	0.63	< 10	< 1	0.06	< 10	0.06
N312023	205 226	< 5	0.11	2.2	0.24	34	360	< 0.5	< 2	1.80	53.0	3	185	49	0.36	< 10	< 1	0.07	< 10	0.07
N312024	205 226	< 5	0.21	1.6	0.19	24	120	< 0.5	Intf*	4.40	15.5	3	223	>10000	0.45	< 10	< 1	0.04	< 10	0.12
N312025	205 226	< 5	0.72	0.2	0.47	18	1040	< 0.5	< 2	0.03	1.5	1	158	53	0.92	< 10	1	0.13	< 10	0.05
N312026	205 226	< 5	0.17	1.2	0.56	30	350	0.5	< 2	4.41	3.5	3	126	57	0.96	< 10	< 1	0.13	< 10	0.44
N312027	205 226	< 5	0.11	0.2	0.06	< 2	1120	< 0.5	< 2	>15.00	< 0.5	1	27	36	0.11	< 10	< 1	< 0.01	< 10	3.99
N312099	205 226	< 5	0.59	3.0	0.25	46	40	< 0.5	< 2	2.90	0.5	1	131	48	2.84	< 10	1	0.24	< 10	0.03
N312100	205 226	< 5	32.6	0.2	0.21	14	>10000	< 0.5	< 2	1.55	16.0	8	63	34	1.07	< 10	1	0.02	< 10	0.95
N312101	205 226	< 5	42.3	0.6	0.15	10	>10000	< 0.5	< 2	0.68	3.0	3	55	26	0.65	< 10	< 1	0.03	< 10	0.13
N312102	205 226	< 5	0.74	0.6	0.39	10	1590	0.5	< 2	0.05	1.5	1	207	65	1.08	< 10	1	0.12	< 10	0.05
N312103	205 226	10	4.44	1.0	0.30	22	200	0.5	< 2	0.03	1.5	1	213	52	1.42	< 10	1	0.16	< 10	0.01

* INTERFERENCES: Cu ON Bi AND P

CERTIFICATION: Stewart Bielle.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Page Number : 1-B
Total Pages : 1
Certificate Date: 28-JUL-98
Invoice No. : I9824633
P.O. Number :
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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9824633

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
N312021	205 226	105	45	< 0.01	210	500	< 2	< 2	3	179	0.04	< 10	10	914	< 10	532
N312022	205 226	25	21	< 0.01	33	10	2	< 2	< 1	14	< 0.01	< 10	< 10	218	< 10	210
N312023	205 226	40	36	< 0.01	105	120	< 2	8	1	170	0.01	< 10	< 10	1305	< 10	2750
N312024	205 226	45	28	< 0.01	83	Intf*	2	2	1	575	0.01	< 10	< 10	6270	< 10	1220
N312025	205 226	15	34	< 0.01	23	420	< 2	2	2	68	< 0.01	< 10	< 10	441	< 10	62
N312026	205 226	40	74	< 0.01	153	630	< 2	2	3	209	< 0.01	< 10	10	972	< 10	354
N312027	205 226	210	3	0.02	25	230	< 2	< 2	< 1	872	< 0.01	< 10	< 10	137	< 10	62
N312099	205 226	20	24	0.03	11	2050	20	2	4	311	0.01	< 10	< 10	521	< 10	58
N312100	205 226	410	36	< 0.01	175	450	22	2	3	1975	< 0.01	< 10	< 10	374	< 10	1645
N312101	205 226	50	11	< 0.01	57	1320	< 2	< 2	1	1300	< 0.01	< 10	< 10	166	< 10	270
N312102	205 226	15	20	< 0.01	31	190	6	2	2	78	< 0.01	< 10	< 10	717	< 10	158
N312103	205 226	15	29	0.01	24	870	2	< 2	3	165	0.01	< 10	< 10	584	< 10	62

CERTIFICATION: Stewart Sidle

* INTERFERENCES: Cu ON Bi AND P

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

A9823656

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823656

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	41	Geochem ring to approx 150 mesh
226	41	0-3 Kg crush and split
3202	41	Rock - save entire reject
220	41	Transferring charge
229	41	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	41	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	41	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	41	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	41	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	41	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	41	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	41	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	41	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	41	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	41	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	41	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	41	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	41	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	41	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	41	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	41	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	41	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	41	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	41	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	41	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	41	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	41	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	41	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	41	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	41	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	41	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	41	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	41	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	41	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	41	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	41	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	41	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	41	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	41	Ba %: XRF	XRF	0.01	100.0

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :I9823656
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823656

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	Ba XRF %
108982	205	226	51	< 0.01	60	320	4	2	3	93	< 0.01	< 10	< 10	418	< 10	448	0.14
108983	205	226	24	< 0.01	72	640	6	2	2	1830	0.06	< 10	< 10	645	< 10	340	21.3
108984	205	226	41	0.01	107	2470	16	18	7	203	0.01	< 10	30	1215	< 10	1480	1.28
108987	205	226	1	< 0.01	20	90	4	< 2	< 1	1770	< 0.01	< 10	10	28	< 10	206	3.41
312015	205	226	28	< 0.01	87	310	4	8	3	276	0.01	< 10	< 10	1230	< 10	976	0.27
312016	205	226	18	< 0.01	91	70	< 2	2	< 1	171	< 0.01	< 10	< 10	632	< 10	2190	0.75
312072	205	226	42	< 0.01	27	220	8	8	2	52	< 0.01	< 10	< 10	579	< 10	32	0.28
312078	205	226	< 1	< 0.01	3	< 10	6	< 2	< 1	1215	< 0.01	< 10	< 10	736	< 10	4070	0.11
312079	205	226	85	0.01	243	1170	< 2	12	5	637	0.05	< 10	< 10	3270	< 10	4340	0.20
312080	205	226	162	< 0.01	370	1340	8	8	3	125	< 0.01	< 10	< 10	1045	< 10	2110	0.21
312081	205	226	30	< 0.01	79	2630	10	6	3	61	< 0.01	< 10	10	822	< 10	488	0.19
312082	205	226	248	< 0.01	397	1280	6	8	6	358	0.03	< 10	< 10	2370	< 10	2820	0.14
312083	205	226	21	< 0.01	25	670	12	6	1	60	< 0.01	< 10	< 10	417	< 10	214	0.36
312089	205	226	53	0.02	12	1590	8	8	3	48	0.01	< 10	10	593	< 10	62	13.80
312090	205	226	107	< 0.01	42	1790	4	18	3	177	0.01	< 10	< 10	582	< 10	108	6.19
312091	205	226	10	< 0.01	35	190	< 2	< 2	1	120	0.01	< 10	< 10	142	< 10	58	4.46
312092	205	226	17	< 0.01	37	3820	8	6	6	57	0.03	< 10	< 10	538	< 10	196	20.6

CERTIFICATION: Ian Bichler

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :19823656
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823656

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
108982	205	226	< 5	0.4	0.64	38	350	0.5	< 2	0.12	13.0	< 1	62	48	1.42	< 10	< 1	0.18	< 10	0.07	5
108983	205	226	< 5	0.6	0.17	6	>10000	< 0.5	< 2	0.60	6.0	3	64	28	0.71	< 10	< 1	0.06	< 10	0.19	30
108984	205	226	10	2.2	1.25	54	180	1.0	< 2	4.32	23.0	8	90	70	2.88	< 10	< 1	0.47	10	0.62	130
108987	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	>15.00	4.5	1	8	3	0.09	< 10	< 1	< 0.01	< 10	2.08	100
312015	205	226	10	1.6	0.24	24	920	< 0.5	< 2	2.30	21.0	1	134	77	0.41	< 10	< 1	0.06	< 10	0.10	40
312016	205	226	< 5	0.8	0.10	12	1260	< 0.5	< 2	1.05	31.5	4	182	226	0.49	< 10	< 1	0.02	< 10	0.04	110
312072	205	226	< 5	0.4	0.29	26	910	< 0.5	< 2	0.05	0.5	< 1	132	28	0.78	< 10	< 1	0.11	< 10	0.05	10
312078	205	226	< 5	< 0.2	< 0.01	< 2	900	< 0.5	2	>15.00	70.5	< 1	58	2940	0.04	< 10	< 1	< 0.01	< 10	0.12	120
312079	205	226	10	2.2	0.59	64	520	0.5	< 2	5.52	64.5	4	185	126	0.80	< 10	< 1	0.15	10	0.30	65
312080	205	226	< 5	1.4	0.49	148	390	1.5	< 2	1.35	12.0	9	119	157	5.18	< 10	< 1	0.10	10	0.40	70
312081	205	226	5	1.8	0.53	46	150	1.5	< 2	0.91	8.5	2	233	56	1.51	< 10	< 1	0.17	10	0.27	45
312082	205	226	10	2.4	0.52	460	280	2.0	< 2	2.88	21.5	11	164	211	7.36	< 10	< 1	0.13	10	0.29	115
312083	205	226	< 5	1.6	0.46	18	380	< 0.5	< 2	0.36	2.5	1	60	20	0.91	< 10	< 1	0.17	< 10	0.15	15
312089	205	226	25	0.2	0.22	72	50	< 0.5	2	0.06	2.5	< 1	142	46	5.42	< 10	< 1	0.23	< 10	0.01	5
312090	205	226	< 5	0.8	0.76	50	180	< 0.5	< 2	0.05	1.5	1	122	96	3.15	< 10	< 1	0.20	< 10	0.03	35
312091	205	226	< 5	< 0.2	0.09	2	3260	< 0.5	2	0.03	< 0.5	1	241	33	0.42	< 10	< 1	0.01	< 10	< 0.01	10
312092	205	226	10	0.8	1.16	48	150	0.5	< 2	0.02	1.0	1	97	76	3.62	< 10	< 1	0.10	< 10	0.03	15

CERTIFICATION: Ian Buchler

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

A9824009

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824009

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	3	Geochem ring to approx 150 mesh
226	3	0-3 Kg crush and split
3202	3	Rock - save entire reject
229	3	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	3	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	3	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	3	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	3	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	3	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	3	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	3	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	3	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	3	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	3	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	3	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	3	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	3	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	3	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	3	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	3	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	3	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	3	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	3	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	3	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	3	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	3	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	3	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	3	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	3	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	3	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	3	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	3	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	3	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	3	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	3	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	3	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	3	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9824009
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824009

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
312017	205	226	10	1.4	0.90	48	170	1.0	2	1.64	7.5	1	173	207	1.66	< 10	< 1	0.08	10	0.08	25
312018	205	226	5	0.2	0.30	10	1930	< 0.5	< 2	0.07	1.0	< 1	80	12	0.63	< 10	< 1	0.10	10	0.03	5
312019	205	226	< 5	< 0.2	0.10	< 2	5120	< 0.5	< 2	0.47	13.0	< 1	14	46	0.09	< 10	< 1	< 0.01	< 10	0.14	20

CERTIFICATION: Jan Bidlo

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9824009
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824009

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
312017	205	226	80	< 0.01	126	7490	4	12	5	474	0.05	< 10	10	1600	< 10	434
312018	205	226	15	< 0.01	22	140	2	< 2	1	65	< 0.01	< 10	< 10	411	< 10	32
312019	205	226	3	< 0.01	13	650	< 2	2	< 1	619	< 0.01	< 10	< 10	111	< 10	508

CERTIFICATION: Stewart Bidlake

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

A9824871

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824871

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	3	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	3	Ba %: XRF	XRF	0.01	100.0

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 22-JUL-98
Invoice No. :19824871
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824871

SAMPLE	PREP CODE	Ba XRF %
312017	299 --	11.85
312018	299 --	1.27
312019	299 --	52.9

CERTIFICATION: Stewart Bielle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

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

A9825360

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9825360

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	1	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
312	1	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	1	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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
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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 23-JUL-98
Invoice No. : I9825360
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9825360

SAMPLE	PREP CODE	Cu %	Pb %	Zn %							
N312024	244 --	2.53	-----	-----							

CERTIFICATION:

OVERLIMITS from A9824633

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

A9822608

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9822608

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	29	Geochem ring to approx 150 mesh
226	29	0-3 Kg crush and split
3202	29	Rock - save entire reject
299	1	Pulp; prepped on other workorder
229	30	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	30	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	30	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	30	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	30	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	30	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	30	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	30	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	30	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	30	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	30	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	30	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	30	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	30	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	30	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	30	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	30	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	30	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	30	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	30	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	30	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	30	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	30	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	30	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	30	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	30	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	30	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	30	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	30	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	30	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	30	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	30	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	30	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	30	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	30	Ba %: XRF	XRF	0.01	100.0

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
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :2
Certificate Date: 13-JUL-98
Invoice No. :19822608
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9822608

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
312008	205	226	< 5	0.2	0.15	12	450	< 0.5	< 2	3.32	9.5	5	103	50	0.59	< 10	< 1	0.04	< 10	0.09	115
312009	205	226	< 5	< 0.2	0.11	< 2	>10000	< 0.5	< 2	14.20	18.5	5	13	79	0.34	< 10	1	< 0.01	< 10	0.74	300
312051	205	226	< 5	0.2	1.15	22	120	1.0	< 2	3.56	0.5	13	78	108	4.06	< 10	< 1	0.14	10	0.79	550
312052	205	226	< 5	< 0.2	2.09	2	210	0.5	< 2	0.52	< 0.5	8	32	59	2.91	< 10	< 1	0.47	10	1.68	45
312053	205	226	10	0.6	1.59	8	260	0.5	< 2	9.15	2.0	6	74	172	2.26	< 10	< 1	0.51	40	2.11	270
313038	205	226	< 5	< 0.2	< 0.01	< 2	280	< 0.5	2	>15.00	< 0.5	< 1	2	< 1	0.03	< 10	3	< 0.01	< 10	9.11	110
313039	205	226	< 5	< 0.2	2.54	76	50	1.5	< 2	6.16	85.5	36	48	72	6.33	< 10	< 1	0.05	< 10	1.59	1180
313040	205	226	< 5	0.2	0.61	16	70	< 0.5	< 2	3.44	8.5	4	86	29	1.09	< 10	1	0.09	< 10	0.43	105
313041	205	226	< 5	< 0.2	0.48	8	60	< 0.5	< 2	11.90	10.0	8	43	17	1.31	< 10	< 1	0.09	< 10	1.00	300
313042	205	226	< 5	1.0	0.25	8	250	< 0.5	< 2	0.46	0.5	< 1	115	41	0.60	< 10	< 1	0.09	< 10	0.05	15
313043	205	226	< 5	< 0.2	0.59	10	50	0.5	< 2	6.83	25.5	6	46	40	1.35	< 10	1	0.08	< 10	2.77	580
313044	205	226	< 5	0.6	0.54	20	90	0.5	< 2	2.58	9.5	1	58	39	1.60	< 10	1	0.15	< 10	1.29	425
313045	205	226	< 5	0.8	0.27	14	230	< 0.5	< 2	0.56	1.0	< 1	65	23	0.69	< 10	< 1	0.12	< 10	0.11	15
313046	205	226	10	1.0	0.44	22	90	< 0.5	< 2	1.69	2.5	< 1	92	48	1.40	< 10	1	0.18	< 10	0.17	15
313047A	205	226	< 5	1.0	0.46	30	100	0.5	< 2	1.12	2.5	< 1	89	69	0.84	< 10	< 1	0.14	< 10	0.11	20
313047B	299	229	< 5	0.8	0.44	26	100	0.5	< 2	1.10	2.5	1	85	69	0.83	< 10	1	0.14	< 10	0.10	20
313048	205	226	< 5	0.8	0.58	24	110	0.5	< 2	0.90	3.5	< 1	113	75	0.43	< 10	1	0.15	< 10	0.10	30
313049	205	226	< 5	1.0	0.61	24	70	0.5	< 2	1.26	2.5	1	100	78	0.88	< 10	< 1	0.17	< 10	0.11	20
313050	205	226	15	1.2	0.53	24	70	0.5	< 2	1.19	4.5	1	81	89	0.80	< 10	1	0.17	< 10	0.09	35
313051	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313052	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hank Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :2
Certificate Date: 13-JUL-98
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P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9822608

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	Ba XRF %
312008	205	226	19	< 0.01	152	50	< 2	6	1	357	< 0.01	< 10	10	629	< 10	970	7.44
312009	205	226	2	< 0.01	119	50	< 2	2	< 1	559	< 0.01	< 10	10	47	< 10	1480	18.90
312051	205	226	5	0.01	62	5360	6	< 2	8	106	< 0.01	< 10	10	96	< 10	132	0.12
312052	205	226	< 1	< 0.01	17	1970	6	2	7	38	< 0.01	< 10	< 10	70	< 10	56	0.12
312053	205	226	10	0.03	37	>10000	10	4	5	443	0.01	< 10	30	340	< 10	234	0.08
313038	205	226	< 1	< 0.01	< 1	< 10	< 2	< 2	< 1	83	< 0.01	< 10	< 10	2	< 10	20	0.08
313039	205	226	34	< 0.01	772	2180	< 2	< 2	1	220	< 0.01	< 10	30	587	< 10	8780	2.15
313040	205	226	37	< 0.01	139	580	< 2	< 2	2	196	< 0.01	< 10	< 10	399	< 10	702	0.41
313041	205	226	31	< 0.01	238	580	< 2	2	3	919	< 0.01	< 10	10	297	< 10	1265	0.22
313042	205	226	25	< 0.01	17	400	12	4	1	75	< 0.01	< 10	< 10	254	< 10	46	0.55
313043	205	226	21	0.01	155	350	2	2	8	462	< 0.01	< 10	< 10	635	< 10	1415	0.31
313044	205	226	47	< 0.01	84	640	6	< 2	7	214	< 0.01	< 10	< 10	567	< 10	256	0.32
313045	205	226	47	< 0.01	29	580	10	4	2	95	< 0.01	< 10	< 10	303	< 10	92	0.55
313046	205	226	29	< 0.01	32	1700	8	6	3	280	< 0.01	< 10	< 10	502	< 10	112	0.35
313047A	205	226	36	< 0.01	32	1710	8	6	4	168	< 0.01	< 10	10	496	< 10	108	0.57
313047B	299	229	36	< 0.01	31	1660	8	4	4	166	< 0.01	< 10	10	477	< 10	108	0.57
313048	205	226	38	< 0.01	40	1790	8	4	3	200	< 0.01	< 10	10	585	< 10	162	0.65
313049	205	226	34	< 0.01	30	2110	8	6	3	212	0.01	< 10	< 10	674	< 10	134	1.65
313050	205	226	32	< 0.01	36	1440	12	6	2	126	0.02	< 10	< 10	608	< 10	190	1.63
313051	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313052	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hart Biddle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: [redacted]TY E[redacted]EERI[redacted]D.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted]e Nur[redacted]:2-A
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CERTIFICATE OF ANALYSIS A9822608

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
313061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Stewart Bielle

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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	Ba XRF %
313061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
313064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Stewart Bielle

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To: EQUITY ENGINEERING LTD.

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

A9822605

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9822605

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	37	Geochem ring to approx 150 mesh
226	37	0-3 Kg crush and split
3202	37	Rock - save entire reject
299	2	Pulp; prepped on other workorder
229	39	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	39	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	39	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	39	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	39	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	39	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	39	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	39	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	39	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	39	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	39	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	39	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	39	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	39	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	39	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	39	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	39	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	39	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	39	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	39	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	39	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	39	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	39	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	39	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	39	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	39	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	39	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	39	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	39	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	39	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	39	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	39	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	39	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	39	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	39	Ba %: XRF	XRF	0.01	100.0

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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 ppm	K %	La ppm	Mg %	Mn ppm
313001	205	226	< 5	0.2	0.44	10	140	0.5	< 2	3.03	2.5	3	89	92	0.71	< 10	1	0.10	< 10	0.65	60
313002	205	226	< 5	0.4	0.37	20	110	0.5	< 2	3.28	5.0	3	80	60	0.84	< 10	< 1	0.10	< 10	0.26	75
313003	205	226	< 5	0.4	0.40	22	100	0.5	< 2	4.00	3.0	3	76	66	0.74	< 10	< 1	0.11	< 10	1.00	90
313004	205	226	10	0.2	0.26	8	150	0.5	< 2	10.10	2.0	2	36	17	0.45	< 10	< 1	0.06	< 10	4.70	275
313005	205	226	< 5	0.4	0.32	18	110	0.5	< 2	3.83	3.0	3	82	35	0.76	< 10	1	0.10	< 10	0.17	55
313006	205	226	< 5	0.2	0.41	18	80	0.5	< 2	4.12	3.5	3	58	30	0.83	< 10	1	0.12	< 10	0.19	55
313007	205	226	< 5	0.2	0.41	14	150	0.5	< 2	5.77	3.0	1	57	43	0.60	< 10	< 1	0.10	< 10	0.96	105
313008	205	226	< 5	0.2	0.42	24	120	0.5	< 2	4.73	3.5	3	69	36	0.84	< 10	< 1	0.12	< 10	0.19	70
313009	205	226	< 5	0.2	0.48	18	80	< 0.5	< 2	3.43	4.0	4	97	28	1.08	< 10	< 1	0.10	< 10	0.12	80
313010	205	226	< 5	0.4	0.55	22	90	0.5	< 2	4.71	4.0	6	70	39	1.16	< 10	2	0.13	< 10	0.16	100
313010 DUP	299	229	< 5	0.2	0.54	16	90	0.5	< 2	4.82	4.0	6	79	38	1.10	< 10	< 1	0.12	< 10	0.16	100
313011	205	226	< 5	0.2	0.46	16	230	0.5	< 2	4.84	4.0	4	71	35	0.98	< 10	< 1	0.11	< 10	0.14	75
313012	205	226	< 5	0.2	0.46	40	>10000	0.5	< 2	5.99	8.5	9	58	34	1.49	< 10	< 1	0.11	< 10	0.32	175
313013	205	226	< 5	0.2	0.45	14	140	0.5	< 2	3.89	3.5	6	67	48	1.13	< 10	< 1	0.12	< 10	0.20	115
313014	205	226	< 5	0.4	0.58	28	50	0.5	< 2	2.86	17.5	4	98	41	1.37	< 10	< 1	0.14	< 10	0.30	95
313015	205	226	< 5	0.4	0.53	26	50	0.5	< 2	3.37	27.5	9	72	60	1.00	< 10	1	0.13	< 10	0.22	195
313016	205	226	< 5	1.0	1.38	68	20	1.0	< 2	5.45	98.0	39	68	208	2.58	< 10	2	0.29	< 10	2.27	660
313017	205	226	< 5	0.2	0.42	26	60	0.5	< 2	9.24	25.0	6	73	56	1.34	< 10	< 1	0.09	< 10	0.25	215
313018	205	226	< 5	0.4	0.43	40	100	0.5	< 2	1.05	1.0	< 1	101	29	0.83	< 10	< 1	0.13	< 10	0.40	10
313019	205	226	< 5	1.4	0.31	28	110	0.5	< 2	0.88	0.5	< 1	83	95	0.61	< 10	< 1	0.14	10	0.04	20
313020	205	226	10	0.4	0.23	16	520	< 0.5	< 2	0.11	< 0.5	< 1	107	24	0.43	< 10	< 1	0.10	10	0.03	5
313021	205	226	< 5	0.4	0.24	18	540	< 0.5	< 2	0.18	< 0.5	< 1	110	24	0.40	< 10	< 1	0.09	< 10	0.03	5
313022	205	226	< 5	0.4	0.24	16	440	< 0.5	< 2	0.26	< 0.5	< 1	128	23	0.44	< 10	< 1	0.10	< 10	0.04	5
313023	205	226	< 5	0.2	0.47	142	100	0.5	< 2	8.41	19.0	3	88	98	2.06	< 10	1	0.17	< 10	0.45	165
313024	205	226	< 5	0.6	0.25	22	460	< 0.5	< 2	0.19	< 0.5	< 1	115	18	0.44	< 10	< 1	0.10	< 10	0.03	5
313025	205	226	< 5	0.2	0.26	40	100	< 0.5	< 2	1.39	0.5	< 1	130	15	0.94	< 10	< 1	0.12	< 10	0.18	5
313026	205	226	< 5	0.6	0.20	18	410	< 0.5	< 2	0.16	0.5	< 1	114	22	0.46	< 10	< 1	0.09	< 10	0.03	5
313027	205	226	< 5	0.6	0.16	14	430	< 0.5	< 2	0.12	< 0.5	< 1	115	15	0.47	< 10	1	0.08	< 10	0.02	10
313028	205	226	< 5	0.6	0.19	22	340	< 0.5	< 2	0.46	0.5	< 1	145	31	0.63	< 10	< 1	0.09	10	0.05	20
313029	205	226	< 5	0.6	0.26	28	170	0.5	< 2	0.88	0.5	1	101	30	0.71	< 10	< 1	0.08	< 10	0.15	5
313030	205	226	< 5	0.6	0.80	54	110	1.5	< 2	1.79	6.5	1	102	117	1.19	< 10	< 1	0.10	< 10	0.31	15
313030 DUP	299	229	< 5	0.6	0.75	46	100	1.5	< 2	1.76	6.5	1	89	116	1.15	< 10	1	0.08	< 10	0.30	15
313031	205	226	< 5	< 0.2	0.13	8	550	< 0.5	< 2	1.82	0.5	< 1	184	8	0.45	< 10	< 1	0.05	< 10	0.06	10
313032	205	226	< 5	1.6	0.12	8	960	< 0.5	< 2	0.09	0.5	< 1	176	12	0.41	< 10	< 1	0.05	< 10	0.05	15
313033	205	226	< 5	< 0.2	0.06	< 2	9390	< 0.5	< 2	>15.00	1.0	< 1	17	3	0.20	< 10	< 1	< 0.01	< 10	2.63	110
313034	205	226	< 5	0.2	0.07	< 2	810	< 0.5	< 2	>15.00	10.0	< 1	26	2	0.33	< 10	2	0.01	< 10	0.94	60
313035	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	2	>15.00	1.5	< 1	15	< 1	0.06	< 10	1	0.01	< 10	0.31	35
313036	205	226	< 5	< 0.2	0.03	< 2	7760	< 0.5	< 2	>15.00	< 0.5	< 1	9	< 1	0.09	< 10	3	< 0.01	< 10	1.16	50
313037	205	226	< 5	< 0.2	0.04	< 2	3250	< 0.5	< 2	>15.00	< 0.5	< 1	31	< 1	0.16	< 10	2	< 0.01	< 10	0.51	15

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 1
Certificate Date: 12-JUL-98
Invoice No. : I9822605
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9822605

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	Ba XRF %
313001	205	226	37	< 0.01	152	80	2	4	3	240	< 0.01	< 10	10	633	< 10	280	0.22
313002	205	226	53	< 0.01	179	590	6	4	2	286	0.01	< 10	10	673	< 10	432	0.43
313003	205	226	55	< 0.01	162	420	4	4	3	317	0.01	< 10	10	753	< 10	360	0.52
313004	205	226	26	0.01	107	170	< 2	2	1	721	< 0.01	< 10	< 10	606	< 10	328	1.63
313005	205	226	53	< 0.01	170	500	4	2	2	339	< 0.01	< 10	10	674	< 10	334	0.48
313006	205	226	59	< 0.01	187	440	4	2	3	357	0.01	< 10	10	784	< 10	356	0.80
313007	205	226	41	< 0.01	146	370	< 2	< 2	3	549	0.01	< 10	< 10	744	< 10	294	0.72
313008	205	226	62	< 0.01	196	230	2	2	3	402	< 0.01	< 10	10	806	< 10	430	0.77
313009	205	226	57	< 0.01	236	830	6	4	2	237	0.01	< 10	10	712	< 10	710	1.82
313010	205	226	68	< 0.01	310	650	6	2	3	344	0.03	< 10	10	859	< 10	690	1.89
313010 DUP	299	229	63	< 0.01	286	560	4	6	3	342	0.03	< 10	20	813	< 10	650	1.88
313011	205	226	52	< 0.01	230	3480	2	2	3	518	0.03	< 10	10	698	< 10	404	1.86
313012	205	226	46	< 0.01	449	200	< 2	< 2	3	767	0.03	< 10	10	736	< 10	1220	10.65
313013	205	226	52	< 0.01	296	370	4	< 2	2	360	0.01	< 10	10	753	< 10	784	1.29
313014	205	226	65	< 0.01	166	800	6	2	3	243	0.02	< 10	30	690	< 10	1240	0.96
313015	205	226	58	< 0.01	340	520	2	6	3	216	0.01	< 10	10	710	< 10	2500	0.82
313016	205	226	212	< 0.01	1265	1210	10	2	9	525	0.04	10	30	1085	< 10	8320	0.38
313017	205	226	81	< 0.01	229	550	2	4	6	595	< 0.01	< 10	10	565	< 10	1850	0.53
313018	205	226	65	< 0.01	45	410	< 2	< 2	3	114	0.02	< 10	10	653	< 10	68	0.43
313019	205	226	83	< 0.01	30	170	8	6	3	195	< 0.01	< 10	< 10	437	90	58	0.85
313020	205	226	59	< 0.01	22	90	4	2	2	34	< 0.01	< 10	< 10	398	< 10	18	0.27
313021	205	226	71	< 0.01	30	100	4	4	2	29	< 0.01	< 10	< 10	428	< 10	20	0.28
313022	205	226	68	< 0.01	32	110	4	< 2	2	34	< 0.01	< 10	< 10	410	< 10	20	0.34
313023	205	226	79	< 0.01	131	640	4	< 2	5	650	0.01	< 10	20	679	< 10	1185	0.23
313024	205	226	50	< 0.01	33	130	4	2	2	28	< 0.01	< 10	10	429	< 10	24	0.40
313025	205	226	120	< 0.01	30	250	4	< 2	2	69	0.01	< 10	10	381	< 10	44	0.45
313026	205	226	55	< 0.01	47	130	4	2	1	21	< 0.01	< 10	10	377	< 10	22	0.43
313027	205	226	57	< 0.01	29	80	4	2	1	22	< 0.01	< 10	< 10	264	< 10	16	0.26
313028	205	226	74	< 0.01	32	180	2	2	1	66	< 0.01	< 10	10	309	10	20	0.53
313029	205	226	81	< 0.01	38	240	4	2	2	85	< 0.01	< 10	10	283	< 10	24	0.54
313030	205	226	120	< 0.01	176	800	6	2	5	149	< 0.01	< 10	30	594	< 10	128	0.46
313030 DUP	299	229	121	< 0.01	180	790	6	4	5	146	< 0.01	< 10	30	569	< 10	130	0.46
313031	205	226	18	< 0.01	26	80	2	< 2	< 1	62	< 0.01	< 10	< 10	217	< 10	34	0.32
313032	205	226	17	< 0.01	23	30	2	< 2	< 1	19	0.01	< 10	< 10	292	10	34	0.51
313033	205	226	1	< 0.01	52	230	< 2	< 2	< 1	959	< 0.01	< 10	< 10	55	< 10	246	2.72
313034	205	226	8	< 0.01	93	370	< 2	2	< 1	667	< 0.01	< 10	10	114	< 10	856	1.45
313035	205	226	< 1	< 0.01	14	200	< 2	< 2	< 1	1040	< 0.01	< 10	10	29	< 10	124	1.36
313036	205	226	1	< 0.01	25	270	< 2	2	< 1	1145	< 0.01	< 10	< 10	54	< 10	20	0.91
313037	205	226	4	< 0.01	34	370	< 2	< 2	< 1	954	< 0.01	< 10	10	57	< 10	12	0.76

CERTIFICATION: Hart Biddle

Chemex Labs Ltd.

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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

A9823076

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823076

(EIA) - EQUITY ENGINEERING LTD.

Project: TAIGA
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	47	Geochem ring to approx 150 mesh
226	47	0-3 Kg crush and split
3202	47	Rock - save entire reject
299	2	Pulp; prepped on other workorder
229	49	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	49	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	49	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	49	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	49	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	49	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	49	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	49	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	49	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	49	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	49	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	49	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	49	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	49	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	49	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	49	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	49	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	49	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	49	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	49	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	49	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	49	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	49	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	49	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	49	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	49	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	49	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	49	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	49	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	49	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	49	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	49	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	49	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	49	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	49	Ba %: XRF	XRF	0.01	100.0

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : TAIGA
Comments: ATTN: STEWART HARRIS

Page Number :1-A
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Certificate Date: 13-JUL-98
Invoice No. :I9823076
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9823076

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
313116	205	226	< 5	1.4	0.49	26	90	0.5	< 2	1.85	9.5	< 1	108	73	1.16	< 10	< 1	0.12	< 10	0.15	50
313117	205	226	< 5	1.4	1.01	28	60	0.5	< 2	3.55	21.0	2	95	119	2.45	< 10	< 1	0.12	< 10	0.61	100
313118	205	226	< 5	1.8	0.73	42	140	0.5	< 2	1.28	2.5	< 1	128	73	0.76	< 10	< 1	0.15	< 10	0.25	15
313119	205	226	< 5	1.8	0.58	22	140	0.5	< 2	1.10	2.0	< 1	134	64	0.60	< 10	< 1	0.14	< 10	0.11	10
313120	205	226	< 5	1.6	0.83	34	50	0.5	< 2	2.84	2.5	1	108	103	1.87	< 10	< 1	0.13	< 10	0.40	20
313121	205	226	< 5	1.6	0.77	28	100	0.5	< 2	1.69	3.0	< 1	117	88	0.79	< 10	< 1	0.14	< 10	0.37	10
313122	205	226	< 5	1.2	0.36	20	180	0.5	< 2	0.71	1.5	< 1	86	57	0.92	< 10	< 1	0.14	< 10	0.15	10
313123	205	226	< 5	1.2	0.54	30	50	0.5	< 2	1.77	2.5	1	92	55	1.41	< 10	< 1	0.16	< 10	0.36	20
313124	205	226	< 5	0.2	0.49	10	50	< 0.5	< 2	>15.00	22.5	2	45	133	1.01	< 10	< 1	0.04	< 10	0.28	325
313125	205	226	< 5	0.8	0.65	22	100	< 0.5	< 2	2.28	4.5	1	95	40	1.67	< 10	< 1	0.15	< 10	0.59	35
313125DUP	299	229	< 5	0.6	0.62	22	80	< 0.5	< 2	2.36	4.5	1	80	41	1.69	< 10	< 1	0.14	< 10	0.58	40
313126	205	226	< 5	0.6	0.31	36	130	< 0.5	< 2	1.36	4.0	< 1	111	43	1.33	< 10	< 1	0.10	< 10	0.09	30
313127	205	226	< 5	0.6	0.41	42	70	0.5	< 2	4.10	20.5	7	77	69	2.27	< 10	< 1	0.09	< 10	0.25	280
313128	205	226	230	0.6	0.31	8	370	0.5	< 2	9.51	9.0	5	124	25	1.07	< 10	< 1	0.07	< 10	4.32	1105
313129	205	226	1210	0.6	0.22	6	600	0.5	< 2	10.90	9.0	4	96	20	1.24	< 10	< 1	0.05	< 10	4.26	865
313130	205	226	< 5	0.8	0.62	42	80	0.5	< 2	3.64	31.5	10	92	81	2.61	< 10	< 1	0.14	< 10	0.56	390
313131	205	226	< 5	0.6	0.28	22	110	0.5	< 2	2.36	3.5	3	67	35	1.08	< 10	< 1	0.09	< 10	0.08	80
313132	205	226	< 5	0.2	0.31	16	120	< 0.5	< 2	2.71	5.5	5	96	48	1.07	< 10	< 1	0.07	< 10	0.08	155
313133	205	226	< 5	0.2	0.33	18	60	< 0.5	< 2	3.85	5.5	6	85	68	1.22	< 10	< 1	0.07	< 10	0.10	170
313134	205	226	< 5	0.6	0.63	24	40	0.5	< 2	2.47	41.0	14	93	40	2.09	< 10	< 1	0.11	< 10	0.16	505
313135	205	226	< 5	< 0.2	0.01	< 2	90	< 0.5	< 2	>15.00	< 0.5	2	< 1	< 1	0.02	< 10	< 1	< 0.01	< 10	9.24	95
313136	205	226	< 5	0.4	0.36	18	60	< 0.5	< 2	4.14	6.5	11	88	34	2.43	< 10	< 1	0.08	< 10	0.27	310
313137	205	226	< 5	0.2	0.26	10	240	< 0.5	< 2	3.90	4.0	10	84	27	2.27	< 10	< 1	0.05	< 10	0.21	255
313138	205	226	< 5	0.2	0.36	10	830	< 0.5	< 2	5.40	11.0	14	84	38	2.43	< 10	< 1	0.05	< 10	0.21	285
313139	205	226	< 5	0.6	0.56	26	110	< 0.5	< 2	2.53	23.5	5	102	68	1.46	< 10	< 1	0.08	< 10	0.15	125
313140	205	226	< 5	0.2	0.31	20	180	< 0.5	< 2	1.43	21.0	4	146	69	0.99	< 10	< 1	0.05	< 10	0.06	95
313141	205	226	< 5	0.8	0.55	38	90	< 0.5	< 2	1.21	16.5	3	141	79	1.11	< 10	< 1	0.09	< 10	0.07	60
313142	205	226	< 5	0.6	0.39	14	80	0.5	< 2	4.79	12.0	6	96	41	1.53	< 10	< 1	0.11	< 10	0.18	125
313143	205	226	< 5	0.2	0.08	388	>10000	< 0.5	< 2	>15.00	27.0	2	7	133	0.11	< 10	< 1	< 0.01	< 10	0.68	120
313144	205	226	< 5	0.2	0.35	10	130	< 0.5	< 2	3.44	23.5	5	163	27	1.04	< 10	< 1	0.06	< 10	0.08	105
313145	205	226	< 5	0.6	0.46	18	70	0.5	< 2	3.82	24.0	8	131	35	1.80	< 10	< 1	0.11	< 10	0.09	155
313145DUP	299	229	< 5	0.6	0.42	16	80	0.5	< 2	3.59	22.5	8	132	33	1.65	< 10	< 1	0.10	< 10	0.08	140
313146	205	226	< 5	0.2	0.39	30	90	0.5	< 2	4.58	24.0	5	135	62	1.78	< 10	< 1	0.08	< 10	0.18	260
313147	205	226	< 5	0.6	0.31	22	430	0.5	< 2	0.21	1.5	< 1	109	44	0.47	< 10	< 1	0.10	< 10	0.04	5
313148	205	226	< 5	< 0.2	0.31	16	110	1.0	< 2	7.78	2.0	3	47	35	0.56	< 10	< 1	0.07	< 10	4.54	500
313149	205	226	< 5	0.6	0.37	26	180	0.5	< 2	2.45	30.0	4	89	41	1.15	< 10	< 1	0.06	< 10	0.73	175
313150	205	226	< 5	< 0.2	0.58	114	100	0.5	< 2	2.15	27.0	6	104	272	2.46	< 10	< 1	0.04	< 10	0.50	290
313151	205	226	< 5	0.2	0.31	30	170	0.5	< 2	0.76	1.5	< 1	99	55	1.02	< 10	< 1	0.05	< 10	0.04	15
313152	205	226	< 5	0.4	0.46	28	120	0.5	< 2	1.20	17.0	2	82	62	1.15	< 10	< 1	0.07	< 10	0.14	55
313153	205	226	< 5	0.4	0.23	20	170	< 0.5	< 2	0.87	3.5	< 1	130	31	0.75	< 10	< 1	0.06	< 10	0.05	20

CERTIFICATION: Hart Biddle

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 : TAIGA
Comments: ATTN: STEWART HARRIS

Certificate Date: 13-JUL-98
Invoice No. :19823076
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9823076

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	Ba XRF %
313116	205	226	39	< 0.01	40	2250	10	2	2	221	< 0.01	< 10	< 10	553	< 10	474	0.66
313117	205	226	24	< 0.01	174	2810	4	< 2	3	407	< 0.01	< 10	10	757	< 10	842	0.34
313118	205	226	29	< 0.01	42	2180	6	2	3	195	< 0.01	< 10	< 10	775	< 10	102	0.46
313119	205	226	33	< 0.01	43	1680	8	4	2	141	< 0.01	< 10	< 10	719	< 10	56	0.49
313120	205	226	34	< 0.01	112	2820	8	2	3	355	< 0.01	< 10	< 10	724	< 10	364	0.33
313121	205	226	34	< 0.01	49	2350	6	2	3	267	< 0.01	< 10	< 10	654	< 10	132	0.35
313122	205	226	35	< 0.01	41	950	6	2	2	110	< 0.01	< 10	< 10	446	< 10	108	0.54
313123	205	226	40	< 0.01	65	1310	8	< 2	3	139	0.01	< 10	< 10	525	< 10	240	0.94
313124	205	226	12	< 0.01	98	420	8	< 2	1	626	0.01	< 10	< 10	216	< 10	824	0.39
313125	205	226	33	< 0.01	102	980	6	< 2	3	206	< 0.01	< 10	< 10	502	< 10	284	0.55
313125DUP	299	229	33	< 0.01	101	1020	6	< 2	3	211	< 0.01	< 10	< 10	480	< 10	282	0.56
313126	205	226	45	< 0.01	44	1340	4	< 2	2	128	< 0.01	< 10	< 10	365	< 10	196	0.65
313127	205	226	64	< 0.01	174	1530	4	< 2	4	231	< 0.01	< 10	10	496	< 10	1310	0.48
313128	205	226	6	0.01	155	1670	4	< 2	3	587	< 0.01	< 10	< 10	262	< 10	850	0.27
313129	205	226	9	0.01	169	2420	4	< 2	2	774	< 0.01	< 10	< 10	207	< 10	774	0.21
313130	205	226	64	< 0.01	277	2040	10	< 2	4	350	< 0.01	< 10	10	653	< 10	2270	0.49
313131	205	226	63	< 0.01	231	300	4	< 2	2	186	< 0.01	< 10	< 10	536	< 10	386	0.49
313132	205	226	47	< 0.01	248	290	4	< 2	2	210	< 0.01	< 10	< 10	462	< 10	600	0.70
313133	205	226	51	< 0.01	297	550	4	< 2	3	301	0.01	< 10	< 10	515	< 10	666	1.84
313134	205	226	47	0.01	468	640	4	< 2	3	151	0.01	< 10	< 10	688	< 10	2650	2.16
313135	205	226	< 1	0.01	1	< 10	10	< 2	< 1	82	< 0.01	< 10	< 10	3	< 10	18	0.01
313136	205	226	49	< 0.01	597	450	2	< 2	2	164	0.02	< 10	< 10	557	< 10	874	4.58
313137	205	226	44	< 0.01	593	1350	2	< 2	1	256	0.02	< 10	< 10	446	< 10	876	6.63
313138	205	226	42	< 0.01	763	240	2	< 2	2	427	0.01	< 10	< 10	440	< 10	1570	9.70
313139	205	226	44	< 0.01	335	480	2	< 2	2	109	0.02	< 10	10	642	< 10	1550	4.10
313140	205	226	31	< 0.01	305	310	< 2	< 2	1	77	0.01	< 10	< 10	396	< 10	1570	3.69
313141	205	226	48	< 0.01	197	1040	2	< 2	3	74	0.04	< 10	< 10	764	< 10	848	3.96
313142	205	226	52	0.01	366	540	6	< 2	3	206	0.01	< 10	< 10	545	< 10	1160	4.16
313143	205	226	3	< 0.01	23	180	8	< 2	< 1	2030	< 0.01	< 10	< 10	117	< 10	1210	7.99
313144	205	226	37	< 0.01	275	220	2	< 2	1	218	0.01	< 10	< 10	598	< 10	1425	2.30
313145	205	226	63	< 0.01	435	600	6	< 2	3	315	< 0.01	< 10	10	991	< 10	2010	0.51
313145DUP	299	229	59	0.01	395	560	6	< 2	2	300	< 0.01	< 10	10	913	< 10	1865	0.50
313146	205	226	42	< 0.01	244	540	4	< 2	6	380	< 0.01	< 10	10	645	< 10	1530	0.56
313147	205	226	59	< 0.01	47	320	6	< 2	3	38	< 0.01	< 10	10	595	< 10	68	0.61
313148	205	226	44	0.01	124	220	2	< 2	4	539	< 0.01	< 10	< 10	454	< 10	290	0.21
313149	205	226	53	0.01	204	430	4	< 2	3	160	< 0.01	< 10	10	491	< 10	722	0.47
313150	205	226	96	0.01	300	710	2	< 2	3	99	< 0.01	< 10	20	574	< 10	1940	0.60
313151	205	226	89	0.01	87	200	2	< 2	3	31	< 0.01	< 10	10	352	< 10	116	1.00
313152	205	226	70	< 0.01	235	100	6	< 2	6	44	0.01	< 10	10	355	< 10	376	1.16
313153	205	226	36	0.01	94	110	6	< 2	1	30	0.01	< 10	< 10	416	< 10	198	1.15

CERTIFICATION: Hart Biddle

Chemex Labs Ltd.

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

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

Project : TAIGA
Comments: ATTN: STEWART HARRIS

Certificate Date: 13-JUL-98
Invoice No. :I9823076
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9823076

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
313154	205	226	< 5	0.6	0.49	32	90	0.5	< 2	1.24	13.5	3	137	73	0.99	< 10	< 1	0.09	< 10	0.07	55
313155	205	226	< 5	0.2	0.05	242	>10000	< 0.5	< 2	>15.00	10.5	5	9	6	0.43	< 10	< 1	< 0.01	< 10	1.29	90
313156	205	226	< 5	< 0.2	< 0.01	< 2	200	< 0.5	< 2	>15.00	< 0.5	1	< 1	< 1	0.01	< 10	< 1	< 0.01	< 10	9.17	95
313157	205	226	< 5	0.4	0.31	26	60	< 0.5	< 2	6.06	41.0	18	72	25	1.65	< 10	< 1	0.05	< 10	0.55	305
313158	205	226	< 5	0.2	0.05	162	>10000	< 0.5	< 2	>15.00	8.5	4	10	20	0.34	< 10	< 1	< 0.01	< 10	2.32	155
313159	205	226	< 5	0.2	0.03	2	>10000	< 0.5	< 2	>15.00	5.5	< 1	9	2	0.12	< 10	< 1	< 0.01	< 10	4.56	270
313160	205	226	< 5	0.2	0.03	242	>10000	< 0.5	< 2	13.95	6.0	< 1	4	2	0.10	< 10	< 1	< 0.01	< 10	7.54	315
313161	205	226	< 5	0.2	0.01	< 2	>10000	< 0.5	< 2	>15.00	6.5	1	4	1	0.07	< 10	< 1	< 0.01	< 10	1.72	65
313162	205	226	< 5	0.6	0.43	32	70	< 0.5	< 2	1.75	2.0	< 1	109	47	1.70	< 10	< 1	0.09	< 10	0.24	25

CERTIFICATION: Ian Bidle

Chemex Labs Ltd.

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207 - 675 W. HASTINGS ST.
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Page Number :2-B
Total Pages :2
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CERTIFICATE OF ANALYSIS A9823076

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	Ba XRF %
313154	205	226	52	< 0.01	237	180	8	< 2	3	24	0.03	< 10	10	848	< 10	946	2.65
313155	205	226	3	< 0.01	232	350	6	< 2	< 1	613	< 0.01	< 10	< 10	62	< 10	650	10.30
313156	205	226	< 1	0.01	1	< 10	10	< 2	< 1	82	< 0.01	< 10	< 10	2	< 10	16	0.03
313157	205	226	45	0.01	598	120	8	< 2	3	138	0.03	< 10	< 10	555	< 10	3190	2.40
313158	205	226	3	< 0.01	159	220	8	< 2	< 1	761	< 0.01	< 10	< 10	94	< 10	478	3.47
313159	205	226	3	0.01	31	170	6	< 2	< 1	935	< 0.01	< 10	< 10	94	< 10	34	3.22
313160	205	226	2	0.01	32	120	4	< 2	< 1	1020	< 0.01	< 10	< 10	68	< 10	50	3.32
313161	205	226	1	< 0.01	23	350	8	< 2	< 1	1050	< 0.01	< 10	< 10	66	< 10	38	2.85
313162	205	226	32	< 0.01	51	1190	4	< 2	3	138	0.01	< 10	< 10	475	< 10	144	0.82

CERTIFICATION: Hasit Bindra

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

A9823077

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823077

(EIA) - EQUITY ENGINEERING LTD.

Project: TAIGA
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	51	Geochem ring to approx 150 mesh
226	51	0-3 Kg crush and split
3202	51	Rock - save entire reject
299	3	Pulp; prepped on other workorder
229	54	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	54	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2118	54	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	54	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	54	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	54	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	54	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	54	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	54	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	54	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	54	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	54	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	54	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	54	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	54	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	54	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	54	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	54	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	54	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	54	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	54	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	54	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	54	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	54	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	54	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	54	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	54	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	54	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	54	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	54	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	54	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	54	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	54	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	54	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	54	Ba %: XRF	XRF	0.01	100.0

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Page Number : 1-A
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Account : EIA

CERTIFICATE OF ANALYSIS A9823077

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 %
313065	205	226	< 5	-----	0.8	0.42	28	80	0.5	< 2	1.76	20.5	5	158	193	0.93	< 10	< 1	0.10	< 10	0.14
313066	205	226	< 5	-----	0.8	0.51	22	340	0.5	< 2	0.15	9.0	1	240	61	0.82	< 10	< 1	0.10	< 10	0.05
313067	205	226	400	-----	1.2	0.55	96	290	0.5	< 2	0.52	11.5	1	189	53	0.89	< 10	< 1	0.11	< 10	0.10
313068	205	226	>10000	10.77	9.2	0.58	34	110	0.5	< 2	1.69	41.0	12	132	210	1.07	< 10	< 1	0.10	< 10	0.20
313069	205	226	50	-----	1.2	0.51	34	110	0.5	< 2	2.62	19.0	10	112	70	0.98	< 10	< 1	0.10	< 10	0.44
313070	205	226	< 5	-----	0.6	0.53	30	110	< 0.5	< 2	3.80	20.5	18	79	87	2.96	< 10	< 1	0.06	< 10	0.41
313071	205	226	< 5	-----	1.0	0.84	80	50	0.5	< 2	1.94	18.5	7	157	101	1.85	< 10	< 1	0.13	< 10	0.23
313072	205	226	1840	-----	2.0	1.08	66	50	1.0	< 2	1.83	27.5	6	122	103	2.20	< 10	< 1	0.22	< 10	0.50
313073	205	226	< 5	-----	1.4	0.51	40	50	0.5	< 2	2.17	11.0	8	173	48	2.29	< 10	< 1	0.12	< 10	0.55
313074	205	226	< 5	-----	1.8	0.95	52	50	0.5	< 2	0.80	10.0	3	120	76	3.18	< 10	< 1	0.35	< 10	0.13
313074DUP	299	229	< 5	-----	1.8	0.94	42	50	0.5	< 2	0.78	10.0	4	144	71	3.03	< 10	< 1	0.34	< 10	0.12
313075	205	226	< 5	-----	1.4	0.71	34	110	0.5	< 2	4.69	9.5	7	113	117	2.58	< 10	< 1	0.23	< 10	0.55
313076	205	226	< 5	-----	1.2	0.86	36	60	0.5	< 2	0.75	17.5	7	152	67	2.71	< 10	< 1	0.23	< 10	0.17
313077	205	226	< 5	-----	0.8	0.50	30	90	0.5	< 2	1.17	7.0	5	244	78	1.94	< 10	< 1	0.17	< 10	0.20
313078	205	226	< 5	-----	1.0	0.72	32	60	0.5	< 2	0.57	10.5	3	152	57	2.16	< 10	< 1	0.23	< 10	0.12
313079	205	226	< 5	-----	1.0	0.91	34	80	1.0	< 2	0.77	7.0	6	132	56	2.41	< 10	< 1	0.31	< 10	0.12
313080	205	226	< 5	-----	0.8	0.47	20	100	0.5	< 2	4.33	4.5	4	152	50	1.77	< 10	< 1	0.17	< 10	0.14
313081	205	226	< 5	-----	0.6	0.51	20	130	0.5	< 2	0.66	7.5	4	188	46	1.68	< 10	< 1	0.19	< 10	0.23
313082	205	226	< 5	-----	0.6	1.24	42	70	1.5	< 2	0.98	6.5	5	248	83	2.27	< 10	< 1	0.25	< 10	0.14
313083	205	226	< 5	-----	0.6	0.47	40	130	0.5	< 2	0.64	6.0	3	241	67	1.81	< 10	< 1	0.14	< 10	0.05
313084	205	226	< 5	-----	< 0.2	0.02	24	1460	< 0.5	< 2	11.80	4.0	< 1	48	1	0.19	< 10	< 1	< 0.01	< 10	6.72
313085	205	226	< 5	-----	< 0.2	0.01	26	1860	< 0.5	< 2	11.95	2.5	< 1	45	1	0.13	< 10	< 1	< 0.01	< 10	7.19
313086	205	226	< 5	-----	< 0.2	< 0.01	< 2	70	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.01	< 10	< 1	< 0.01	< 10	9.25
313087	205	226	< 5	-----	1.4	0.57	20	80	0.5	< 2	2.23	10.0	3	211	53	1.16	< 10	< 1	0.14	< 10	0.57
313088	205	226	< 5	-----	< 0.2	0.02	< 2	2400	< 0.5	< 2	13.80	1.0	3	15	1	0.47	< 10	< 1	< 0.01	< 10	8.85
313089	205	226	< 5	-----	< 0.2	0.01	234	>10000	< 0.5	< 2	12.85	6.0	< 1	23	1	0.14	< 10	< 1	< 0.01	< 10	6.81
313090	205	226	< 5	-----	< 0.2	0.01	156	>10000	< 0.5	< 2	11.35	5.0	< 1	30	1	0.09	< 10	< 1	< 0.01	< 10	7.60
313091	205	226	< 5	-----	< 0.2	0.02	158	>10000	< 0.5	< 2	13.00	4.0	2	10	1	0.11	< 10	< 1	< 0.01	< 10	8.97
313092	205	226	< 5	-----	< 0.2	0.01	2	>10000	< 0.5	< 2	10.65	15.0	< 1	9	1	0.08	< 10	< 1	< 0.01	< 10	7.04
313093	205	226	< 5	-----	0.6	0.24	22	160	< 0.5	< 2	10.05	2.5	4	109	35	0.84	< 10	< 1	0.07	< 10	0.27
313094	205	226	< 5	-----	0.6	0.29	16	280	< 0.5	< 2	4.59	3.0	3	182	39	0.84	< 10	< 1	0.09	< 10	0.16
313094DUP	299	229	< 5	-----	0.6	0.30	12	290	< 0.5	< 2	4.60	3.0	3	204	41	0.85	< 10	< 1	0.09	< 10	0.16
313095	205	226	< 5	-----	0.6	0.31	14	180	0.5	< 2	3.66	3.0	4	121	35	0.87	< 10	< 1	0.10	< 10	0.16
313096	205	226	< 5	-----	0.2	0.27	14	250	0.5	< 2	4.55	2.0	4	106	35	0.75	< 10	< 1	0.08	< 10	0.20
313097	205	226	< 5	-----	0.6	0.32	14	160	0.5	< 2	3.32	2.5	3	103	38	0.87	< 10	< 1	0.10	< 10	0.14
313098	205	226	< 5	-----	0.4	0.29	14	260	0.5	< 2	4.77	2.0	4	107	53	0.79	< 10	< 1	0.09	< 10	0.20
313099	205	226	< 5	-----	0.6	0.33	16	230	0.5	< 2	2.49	2.5	3	146	30	0.79	< 10	< 1	0.10	< 10	0.16
313100	205	226	< 5	-----	0.6	0.32	16	230	< 0.5	< 2	9.82	5.0	4	113	29	0.59	< 10	< 1	0.05	10	0.88
313101	205	226	< 5	-----	0.6	0.42	18	90	0.5	< 2	2.08	5.5	3	131	45	0.93	< 10	< 1	0.11	< 10	0.19
313102	205	226	< 5	-----	0.6	0.35	16	100	0.5	< 2	3.70	2.5	4	115	42	0.81	< 10	< 1	0.10	< 10	0.30

CERTIFICATION: Stuart Bielle

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 : TAIGA
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :2
Certificate Date: 15-JUL-98
Invoice No. :19823077
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9823077

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	Ba XRF %
313065	205	226	340	24	0.03	193	900	2	< 2	2	153	< 0.01	< 10	< 10	387	< 10	1365	3.37
313066	205	226	25	46	< 0.01	66	470	4	< 2	2	65	0.02	< 10	< 10	567	< 10	150	2.19
313067	205	226	40	24	< 0.01	66	2050	4	2	1	379	< 0.01	< 10	< 10	489	< 10	218	1.43
313068	205	226	335	24	0.01	379	2060	2	2	3	109	0.01	< 10	< 10	527	< 10	3080	3.69
313069	205	226	325	22	0.01	254	3210	2	2	3	210	0.01	< 10	< 10	483	< 10	2170	6.51
313070	205	226	800	17	0.01	393	2300	2	< 2	2	290	< 0.01	< 10	10	341	< 10	3380	14.25
313071	205	226	325	27	0.01	189	2900	2	< 2	4	179	< 0.01	< 10	10	502	< 10	1550	2.97
313072	205	226	430	36	0.01	155	4320	6	2	3	175	< 0.01	< 10	< 10	641	< 10	1145	1.71
313073	205	226	455	25	< 0.01	201	3220	2	2	3	357	< 0.01	< 10	10	525	< 10	1665	1.23
313074	205	226	250	33	< 0.01	110	2230	8	< 2	3	88	< 0.01	< 10	< 10	711	< 10	568	0.95
313074DUP	299	229	235	31	0.01	101	2180	8	< 2	3	81	< 0.01	< 10	< 10	704	< 10	518	0.94
313075	205	226	400	27	< 0.01	162	1280	8	< 2	3	302	< 0.01	< 10	< 10	548	< 10	1485	1.09
313076	205	226	240	43	< 0.01	195	2020	8	< 2	4	154	< 0.01	< 10	< 10	724	< 10	1310	0.84
313077	205	226	160	32	< 0.01	121	1100	4	< 2	3	128	< 0.01	< 10	< 10	449	< 10	872	0.62
313078	205	226	135	31	0.01	95	1990	6	< 2	3	155	< 0.01	< 10	< 10	561	< 10	542	0.57
313079	205	226	115	60	< 0.01	156	2610	8	< 2	3	251	< 0.01	< 10	10	588	< 10	730	0.53
313080	205	226	110	52	< 0.01	110	1250	8	< 2	2	272	< 0.01	< 10	< 10	305	< 10	386	0.37
313081	205	226	105	57	< 0.01	150	480	6	< 2	3	61	< 0.01	< 10	< 10	565	< 10	668	0.78
313082	205	226	110	103	0.02	268	2490	8	< 2	5	52	< 0.01	< 10	10	815	< 10	814	2.31
313083	205	226	65	61	< 0.01	125	270	4	< 2	3	47	< 0.01	< 10	10	495	< 10	376	0.81
313084	205	226	335	3	< 0.01	30	220	2	< 2	< 1	895	< 0.01	< 10	< 10	50	< 10	396	0.28
313085	205	226	270	3	0.01	27	220	2	< 2	< 1	681	< 0.01	< 10	< 10	35	< 10	346	0.69
313086	205	226	115	< 1	0.01	< 1	< 10	10	< 2	< 1	99	< 0.01	< 10	< 10	< 1	< 10	12	0.01
313087	205	226	210	24	< 0.01	122	3280	2	2	3	347	< 0.01	< 10	< 10	574	< 10	694	1.52
313088	205	226	455	5	< 0.01	58	310	2	< 2	< 1	1085	< 0.01	< 10	< 10	72	< 10	360	0.78
313089	205	226	230	4	0.01	31	390	2	< 2	< 1	987	< 0.01	< 10	< 10	62	< 10	114	3.55
313090	205	226	235	3	< 0.01	26	320	< 2	< 2	< 1	785	< 0.01	< 10	< 10	54	< 10	256	2.60
313091	205	226	495	4	0.01	35	170	2	< 2	< 1	960	< 0.01	< 10	< 10	56	< 10	112	2.32
313092	205	226	245	3	< 0.01	40	240	2	< 2	< 1	1065	< 0.01	< 10	< 10	47	< 10	284	12.35
313093	205	226	70	56	< 0.01	394	610	6	< 2	2	402	0.01	< 10	< 10	567	< 10	466	0.96
313094	205	226	50	55	< 0.01	229	480	6	< 2	2	245	< 0.01	< 10	< 10	666	< 10	432	0.33
313094DUP	299	229	50	54	< 0.01	238	460	4	< 2	2	240	< 0.01	< 10	< 10	663	< 10	438	0.32
313095	205	226	50	63	< 0.01	260	490	6	< 2	2	291	< 0.01	< 10	< 10	621	< 10	422	0.35
313096	205	226	50	57	< 0.01	189	330	4	< 2	3	361	< 0.01	< 10	< 10	490	< 10	262	0.31
313097	205	226	45	65	< 0.01	202	270	4	< 2	3	276	< 0.01	< 10	< 10	645	< 10	282	0.37
313098	205	226	45	62	< 0.01	199	400	6	< 2	3	385	< 0.01	< 10	10	602	< 10	246	0.37
313099	205	226	30	56	< 0.01	174	380	4	< 2	2	256	< 0.01	< 10	< 10	675	< 10	282	0.42
313100	205	226	140	39	< 0.01	170	370	6	< 2	1	898	< 0.01	< 10	< 10	627	< 10	400	1.18
313101	205	226	35	64	< 0.01	209	210	6	< 2	3	153	< 0.01	< 10	< 10	946	< 10	416	0.92
313102	205	226	50	50	< 0.01	160	190	4	< 2	3	266	< 0.01	< 10	< 10	723	< 10	260	0.51

CERTIFICATION: Hart Biehle

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

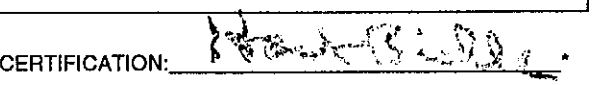
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : TAIGA
Comments: ATTN: STEWART HARRIS

Certificate Date: 15-JUL-98
Invoice No. :19823077
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9823077

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 %
313103	205	226	< 5	-----	0.6	0.29	18	110	0.5	< 2	3.13	4.0	3	99	41	0.81	< 10	< 1	0.08	< 10	0.15
313104	205	226	< 5	-----	0.6	0.36	20	100	0.5	< 2	2.68	4.5	3	89	30	0.86	< 10	< 1	0.10	< 10	0.14
313105	205	226	< 5	-----	1.8	0.44	34	130	0.5	< 2	3.58	64.0	2	160	104	0.53	10	< 1	0.12	< 10	0.14
313106	205	226	< 5	-----	< 0.2	0.02	< 2	80	< 0.5	< 2	14.70	3.5	< 1	16	4	0.03	< 10	< 1	< 0.01	< 10	8.68
313107	205	226	< 5	-----	1.6	0.42	36	220	0.5	< 2	3.08	58.5	2	224	85	0.54	< 10	< 1	0.11	< 10	0.16
313108	205	226	< 5	-----	1.4	0.45	30	80	0.5	< 2	5.96	51.0	2	158	105	0.48	< 10	< 1	0.12	< 10	0.25
313109	205	226	< 5	-----	0.6	0.28	16	140	0.5	< 2	4.94	3.5	3	95	34	0.71	< 10	< 1	0.06	< 10	0.22
313110	205	226	< 5	-----	1.2	0.46	26	100	0.5	< 2	4.40	24.5	3	121	51	0.84	< 10	< 1	0.13	< 10	0.17
313111	205	226	< 5	-----	2.0	0.46	46	130	0.5	< 2	6.14	49.0	5	138	153	0.76	< 10	< 1	0.12	< 10	0.27
313112	205	226	< 5	-----	3.2	0.50	38	120	0.5	< 2	2.80	78.0	3	165	156	0.62	< 10	< 1	0.13	< 10	0.14
313113	205	226	< 5	-----	3.0	0.45	44	140	0.5	< 2	3.42	75.5	2	152	145	0.57	< 10	< 1	0.12	< 10	0.14
313114	205	226	< 5	-----	2.2	0.40	38	120	0.5	< 2	2.95	60.5	1	165	96	0.48	< 10	< 1	0.10	< 10	0.09
313114DUP	299	229	< 5	-----	2.0	0.40	36	160	0.5	< 2	2.75	58.5	1	157	86	0.44	< 10	< 1	0.10	< 10	0.09
313115	205	226	< 5	-----	2.6	0.44	38	150	0.5	< 2	3.83	76.5	1	181	104	0.48	< 10	< 1	0.11	< 10	0.11

CERTIFICATION: 

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
V6B 1N2

Project : TAIGA
Comments: ATTN: STEWART HARRIS

Certificate Date: 15-JUL-98
Invoice No. : I9823077
P.O. Number : BLK98-03
Account : EIA

CERTIFICATE OF ANALYSIS A9823077

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	Ba XRF %
313103	205	226	35	58	< 0.01	185	230	8	< 2	3	272	< 0.01	< 10	< 10	772	< 10	312	0.56
313104	205	226	35	60	< 0.01	190	360	6	< 2	3	254	< 0.01	< 10	< 10	1065	< 10	390	0.62
313105	205	226	50	77	0.02	255	950	8	2	4	318	0.01	< 10	10	2200	< 10	4590	0.29
313106	205	226	75	2	0.01	9	10	4	< 2	< 1	97	< 0.01	< 10	< 10	90	< 10	248	0.01
313107	205	226	40	53	0.01	218	1220	8	2	3	309	0.01	< 10	10	1980	< 10	4070	0.48
313108	205	226	40	57	0.01	192	2270	8	< 2	4	553	0.02	< 10	10	2260	< 10	3560	1.06
313109	205	226	35	57	< 0.01	197	320	4	< 2	3	579	0.04	< 10	< 10	912	< 10	266	0.72
313110	205	226	40	70	< 0.01	227	890	8	< 2	4	479	0.02	< 10	10	1815	< 10	1680	0.64
313111	205	226	55	63	0.01	364	640	10	< 2	4	788	0.02	< 10	10	1785	< 10	3080	0.57
313112	205	226	30	84	0.02	276	720	10	< 2	4	351	0.02	< 10	10	2490	< 10	4790	0.31
313113	205	226	30	73	0.01	266	670	8	2	4	431	0.02	< 10	10	2310	< 10	4610	0.30
313114	205	226	25	69	0.01	212	550	8	2	3	343	0.01	< 10	10	2310	< 10	3930	0.41
313114DUP	299	229	20	63	0.01	189	400	6	< 2	3	329	0.01	< 10	10	2270	< 10	3580	0.38
313115	205	226	25	62	0.02	203	590	8	2	3	494	0.02	< 10	10	2560	< 10	4570	0.41

CERTIFICATION: Hart Biddle

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To: EQUITY ENGINEERING LTD.

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

A9823078

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823078

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	14	Geochem ring to approx 150 mesh
226	14	0-3 Kg crush and split
3202	14	Rock - save entire reject
229	14	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	14	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	14	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	14	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	14	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	14	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	14	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	14	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	14	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	14	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	14	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	14	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	14	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	14	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	14	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	14	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	14	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	14	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	14	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	14	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	14	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	14	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	14	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	14	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	14	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	14	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	14	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	14	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	14	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	14	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	14	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	14	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	14	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	14	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	14	Ba %: XRF	XRF	0.01	100.0

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Project : BLK98-03
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Page Number :1-A
Total Pages :1
Certificate Date: 14-JUL-98
Invoice No. :I9823078
P.O. Number :NONE
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CERTIFICATE OF ANALYSIS A9823078

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
313051	205	226	55	1.4	0.65	40	100	0.5	< 2	0.94	4.5	1	111	57	1.20	< 10	< 1	0.18	< 10	0.11	40
313052	205	226	10	1.0	0.57	38	50	0.5	< 2	1.37	13.5	4	121	155	1.41	< 10	< 1	0.16	< 10	0.13	60
313053	205	226	< 5	0.8	0.55	42	60	0.5	< 2	2.76	32.5	17	109	82	2.09	< 10	< 1	0.13	< 10	0.14	390
313054	205	226	< 5	1.0	0.75	40	90	1.0	< 2	7.10	23.5	9	80	88	2.27	< 10	< 1	0.18	< 10	1.28	320
313055	205	226	< 5	1.0	0.54	34	40	0.5	< 2	8.11	21.5	9	63	56	1.90	< 10	< 1	0.15	< 10	1.28	325
313056	205	226	< 5	0.8	0.52	32	330	0.5	< 2	6.66	14.5	4	69	86	1.29	< 10	< 1	0.15	< 10	1.93	255
313057	205	226	< 5	1.0	0.60	42	130	1.0	< 2	8.75	18.0	5	56	45	1.72	< 10	< 1	0.17	< 10	3.19	295
313058	205	226	< 5	0.2	0.28	8	480	0.5	< 2	13.15	5.5	5	16	9	1.34	< 10	< 1	0.06	< 10	7.86	585
313059	205	226	< 5	0.8	0.40	30	60	0.5	< 2	3.12	16.0	12	105	51	2.69	< 10	< 1	0.09	< 10	0.37	225
313060	205	226	< 5	0.4	0.38	20	360	0.5	< 2	6.20	22.5	26	106	34	2.21	< 10	< 1	0.09	< 10	2.38	875
313061	205	226	< 5	0.4	0.37	16	290	0.5	< 2	7.79	12.5	11	104	25	1.83	< 10	< 1	0.08	< 10	4.06	995
313062	205	226	< 5	0.8	0.55	28	110	0.5	< 2	1.68	11.0	7	100	90	1.14	< 10	< 1	0.14	< 10	0.12	120
313063	205	226	< 5	1.0	0.55	24	70	0.5	< 2	1.28	7.0	1	93	88	1.05	< 10	< 1	0.14	< 10	0.13	45
313064	205	226	< 5	1.4	0.79	40	40	0.5	< 2	2.07	16.0	4	87	157	1.89	< 10	< 1	0.16	< 10	0.46	115

CERTIFICATION: Hart Bidlle

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Invoice No. :I9823078
P.O. Number :NONE
Account :EIA

CERTIFICATE OF ANALYSIS A9823078

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	Ba XRF %
313051	205	226	41	< 0.01	43	2610	10	2	5	109	0.01	< 10	< 10	609	< 10	164	1.45
313052	205	226	30	< 0.01	96	2480	8	4	3	234	< 0.01	< 10	< 10	616	< 10	314	1.03
313053	205	226	40	< 0.01	314	1030	10	2	2	256	< 0.01	< 10	< 10	449	< 10	1890	0.77
313054	205	226	93	0.01	432	650	12	< 2	4	340	< 0.01	< 10	20	1130	< 10	1770	0.38
313055	205	226	100	0.01	378	440	20	< 2	3	357	< 0.01	< 10	10	842	< 10	1895	0.54
313056	205	226	84	0.02	223	470	12	< 2	3	347	< 0.01	< 10	10	1015	< 10	980	0.31
313057	205	226	96	0.02	309	550	12	< 2	4	426	< 0.01	< 10	10	904	< 10	1150	0.49
313058	205	226	9	0.03	99	430	4	< 2	1	722	< 0.01	< 10	< 10	279	< 10	626	0.39
313059	205	226	39	< 0.01	191	1220	4	< 2	3	247	< 0.01	< 10	10	343	< 10	1190	0.29
313060	205	226	19	0.01	374	1450	4	< 2	4	448	< 0.01	< 10	< 10	382	< 10	2160	0.17
313061	205	226	12	0.01	259	680	2	< 2	3	531	< 0.01	< 10	< 10	300	< 10	1180	0.11
313062	205	226	38	< 0.01	162	1870	6	2	4	161	< 0.01	< 10	< 10	589	< 10	632	0.48
313063	205	226	34	< 0.01	89	1370	6	2	3	201	< 0.01	< 10	< 10	618	< 10	262	0.60
313064	205	226	38	< 0.01	190	2300	8	< 2	4	267	0.01	< 10	10	658	< 10	674	1.25

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

A9823649

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823649

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	24	Geochem ring to approx 150 mesh
226	24	0-3 Kg crush and split
3202	24	Rock - save entire reject
299	1	Pulp; prepped on other workorder
220	25	Transferring charge
229	25	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	25	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	25	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	25	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	25	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	25	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	25	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	25	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	25	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	25	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	25	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	25	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	25	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	25	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	25	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	25	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	25	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	25	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	25	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	25	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	25	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	25	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	25	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	25	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	25	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	25	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	25	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	25	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	25	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	25	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	25	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	25	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	25	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	25	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
3551	25	Ba %: XRF	XRF	0.01	100.0

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9823649
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9823649

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
313231	205	226	10	1.0	0.30	18	580	< 0.5	< 2	0.94	7.5	1	158	26	0.66	< 10	< 1	0.08	< 10	0.24	55
313232	205	226	15	0.4	0.38	60	30	< 0.5	< 2	12.10	336	13	56	87	1.99	< 10	4	0.01	< 10	2.18	920
313233	205	226	< 5	1.0	0.60	26	80	< 0.5	< 2	1.95	11.0	3	116	59	1.78	< 10	< 1	0.10	< 10	0.13	75
313234	205	226	< 5	0.6	0.42	24	130	0.5	< 2	1.09	5.5	1	129	50	1.20	< 10	< 1	0.11	< 10	0.12	30
313235	205	226	25	0.6	0.55	26	80	0.5	< 2	3.30	37.0	5	107	72	1.81	< 10	< 1	0.12	< 10	0.84	290
313236	205	226	< 5	0.4	0.60	30	60	0.5	2	3.21	29.5	8	119	80	2.46	< 10	< 1	0.14	< 10	0.26	230
313237	205	226	< 5	0.6	0.44	24	170	0.5	< 2	0.91	4.5	< 1	131	48	1.08	< 10	< 1	0.11	< 10	0.15	30
313238	205	226	10	0.8	0.52	24	190	0.5	< 2	0.70	3.5	< 1	98	52	0.97	< 10	< 1	0.17	10	0.09	20
313239	205	226	15	1.4	0.44	28	140	< 0.5	< 2	1.29	10.0	5	134	41	1.18	< 10	< 1	0.10	< 10	0.11	125
313240	205	226	10	0.6	0.43	18	290	0.5	< 2	0.53	2.0	< 1	110	50	0.58	< 10	< 1	0.11	10	0.09	20
313241	205	226	< 5	0.2	0.33	28	170	0.5	< 2	1.83	28.0	3	111	35	0.96	< 10	< 1	0.05	< 10	0.66	195
313241DUP	299	220	< 5	0.2	0.34	30	180	0.5	< 2	1.82	28.0	4	109	36	0.96	< 10	< 1	0.05	< 10	0.67	200
313242	205	226	< 5	0.2	0.23	24	210	< 0.5	< 2	1.70	16.0	6	119	20	0.84	< 10	< 1	0.04	< 10	0.73	190
313243	205	226	< 5	0.2	0.22	26	270	< 0.5	< 2	1.38	9.5	4	122	23	0.87	< 10	< 1	0.05	< 10	0.45	125
313244	205	226	< 5	0.4	0.30	32	140	< 0.5	< 2	2.48	21.0	4	82	27	1.13	< 10	< 1	0.06	< 10	1.03	150
313245	205	226	< 5	0.4	0.22	18	600	< 0.5	< 2	0.08	0.5	< 1	137	21	0.70	< 10	< 1	0.07	< 10	0.04	15
313246	205	226	10	0.2	0.17	12	460	< 0.5	< 2	0.19	1.0	< 1	150	22	0.73	< 10	< 1	0.08	< 10	0.03	15
313247	205	226	10	0.4	0.39	22	180	< 0.5	< 2	0.46	3.5	1	101	41	1.02	< 10	< 1	0.12	< 10	0.07	40
313248	205	226	35	0.8	0.72	28	170	1.5	< 2	0.10	2.5	1	87	59	1.29	< 10	< 1	0.28	10	0.10	25
313249	205	226	15	< 0.2	0.08	< 2	>10000	< 0.5	< 2	>15.00	2.0	< 1	40	1	0.40	< 10	< 1	< 0.01	< 10	1.68	70
313250	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	>15.00	< 0.5	< 1	20	< 1	0.17	< 10	< 1	< 0.01	< 10	1.63	130
313251	205	226	< 5	< 0.2	0.04	< 2	>10000	< 0.5	< 2	>15.00	< 0.5	< 1	16	473	0.15	< 10	< 1	< 0.01	< 10	0.32	30
313252	205	226	< 5	< 0.2	0.01	< 2	300	0.5	< 2	>15.00	< 0.5	< 1	12	< 1	0.01	< 10	< 1	< 0.01	< 10	9.41	95
313253	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	>15.00	< 0.5	< 1	15	4	0.16	< 10	< 1	< 0.01	< 10	0.42	40
313254	205	226	10	< 0.2	0.03	< 2	>10000	< 0.5	< 2	>15.00	1.0	< 1	14	1	0.13	< 10	< 1	< 0.01	< 10	0.62	45

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9823649
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823649

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	Ba XRF %
313231	205	226	21	< 0.01	40	230	4	< 2	1	98	< 0.01	< 10	< 10	288	< 10	158	0.58
313232	205	226	8	< 0.01	281	570	< 2	< 2	2	883	0.01	10	< 10	163	< 10	>10000	3.04
313233	205	226	28	< 0.01	114	1160	10	4	2	129	< 0.01	< 10	< 10	303	< 10	820	1.16
313234	205	226	40	< 0.01	39	920	6	< 2	2	128	< 0.01	< 10	< 10	407	< 10	268	0.46
313235	205	226	33	0.01	150	1600	2	2	6	288	< 0.01	< 10	< 10	508	< 10	1070	0.33
313236	205	226	50	< 0.01	198	870	8	< 2	5	240	< 0.01	< 10	< 10	543	< 10	1740	0.39
313237	205	226	29	< 0.01	36	940	6	2	3	153	< 0.01	< 10	< 10	394	< 10	124	0.44
313238	205	226	34	< 0.01	29	1110	2	< 2	3	144	< 0.01	< 10	< 10	555	< 10	132	0.55
313239	205	226	44	< 0.01	86	680	< 2	< 2	4	112	< 0.01	< 10	< 10	443	< 10	798	0.70
313240	205	226	54	< 0.01	32	480	2	< 2	1	118	< 0.01	< 10	< 10	352	< 10	102	0.80
313241	205	226	56	< 0.01	188	590	2	< 2	3	173	< 0.01	< 10	< 10	330	< 10	578	0.71
313241DUP	299	220	56	< 0.01	196	600	6	2	3	174	< 0.01	< 10	< 10	337	< 10	592	0.71
313242	205	226	59	< 0.01	161	350	< 2	< 2	3	148	< 0.01	< 10	< 10	287	< 10	550	0.81
313243	205	226	65	< 0.01	109	440	2	< 2	3	119	< 0.01	< 10	< 10	227	< 10	270	0.81
313244	205	226	62	< 0.01	126	220	4	2	3	145	< 0.01	< 10	10	248	< 10	260	1.06
313245	205	226	31	< 0.01	33	110	< 2	< 2	1	16	< 0.01	< 10	< 10	263	< 10	64	0.53
313246	205	226	28	< 0.01	33	70	2	< 2	1	18	< 0.01	< 10	< 10	312	< 10	78	0.50
313247	205	226	40	< 0.01	88	260	2	< 2	2	52	0.02	< 10	< 10	777	< 10	284	1.05
313248	205	226	80	< 0.01	83	80	4	< 2	4	9	0.06	< 10	< 10	2010	< 10	198	1.74
313249	205	226	7	< 0.01	80	320	2	< 2	< 1	545	< 0.01	10	< 10	47	< 10	278	3.84
313250	205	226	7	< 0.01	40	320	< 2	< 2	< 1	999	< 0.01	20	< 10	44	< 10	50	4.11
313251	205	226	6	< 0.01	44	330	< 2	< 2	< 1	835	< 0.01	20	< 10	175	< 10	10	9.27
313252	205	226	< 1	< 0.01	< 1	60	12	< 2	< 1	110	< 0.01	20	< 10	3	< 10	12	0.05
313253	205	226	8	< 0.01	39	450	< 2	< 2	< 1	861	< 0.01	30	< 10	61	10	22	1.79
313254	205	226	6	< 0.01	43	440	< 2	< 2	< 1	835	< 0.01	20	< 10	49	< 10	162	8.28

CERTIFICATION: Hart Biddle

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

A9823713

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9823713

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	68	Geochem ring to approx 150 mesh
226	68	0-3 Kg crush and split
3202	68	Rock - save entire reject
299	3	Pulp; prepped on other workorder
229	71	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	71	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	71	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	71	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	71	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	71	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	71	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	71	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	71	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	71	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	71	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	71	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	71	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	71	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	71	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	71	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	71	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	71	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	71	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	71	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	71	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	71	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	71	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	71	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	71	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	71	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	71	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	71	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	71	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	71	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	71	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	71	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	71	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	71	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :19823713
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9823713

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
313163	205	226	< 5	0.8	0.44	22	210	< 0.5	< 2	1.14	16.0	6	133	36	0.89	< 10	1	0.10	< 10	0.22	190
313164	205	226	< 5	1.2	0.52	28	130	< 0.5	< 2	0.74	10.0	3	107	56	1.26	< 10	1	0.12	< 10	0.12	115
313165	205	226	< 5	1.0	0.41	22	170	< 0.5	< 2	0.64	5.0	1	113	37	1.19	< 10	< 1	0.12	< 10	0.08	45
313166	205	226	< 5	0.2	0.52	22	190	< 0.5	< 2	1.49	6.5	4	104	30	0.79	< 10	< 1	0.10	< 10	0.23	85
313167	205	226	< 5	< 0.2	0.38	8	280	< 0.5	2	3.81	3.5	3	98	29	0.76	< 10	1	0.08	< 10	0.45	75
313168	205	226	< 5	0.2	0.34	16	270	< 0.5	< 2	1.51	3.0	3	118	20	0.83	< 10	< 1	0.07	< 10	0.07	55
313169	205	226	< 5	0.2	0.35	14	210	< 0.5	< 2	4.59	4.5	3	84	29	0.71	< 10	1	0.08	< 10	0.23	80
313170	205	226	< 5	0.2	0.36	22	170	< 0.5	< 2	3.23	4.0	3	89	40	0.95	< 10	1	0.10	< 10	0.22	70
313171	205	226	< 5	0.4	0.34	22	210	< 0.5	< 2	0.81	2.5	1	88	20	1.17	< 10	< 1	0.12	< 10	0.05	35
313172	205	226	< 5	0.2	0.31	18	180	< 0.5	< 2	5.62	3.0	1	61	50	0.86	< 10	< 1	0.08	< 10	1.15	125
313172DUP	299	229	< 5	0.2	0.31	18	190	< 0.5	< 2	5.97	2.5	1	64	48	0.83	< 10	< 1	0.08	< 10	1.24	130
313173	205	226	< 5	0.4	0.47	22	210	< 0.5	< 2	1.00	4.5	2	74	37	1.17	< 10	1	0.12	< 10	0.14	25
313174	205	226	< 5	0.6	0.72	18	160	0.5	< 2	1.78	9.5	10	72	33	1.26	< 10	1	0.17	< 10	0.60	115
313175	205	226	< 5	0.2	0.37	8	260	0.5	< 2	7.88	8.5	7	73	28	0.73	< 10	1	0.09	< 10	3.71	465
313176	205	226	< 5	0.2	0.48	18	150	0.5	< 2	4.05	5.0	4	87	39	0.93	< 10	1	0.12	< 10	1.13	170
313177	205	226	< 5	0.6	0.69	28	110	0.5	< 2	1.63	3.0	4	62	35	1.77	< 10	< 1	0.20	< 10	0.54	55
313178	205	226	< 5	0.6	0.38	18	240	< 0.5	< 2	2.78	8.5	4	100	44	0.91	< 10	1	0.11	< 10	0.13	50
313179	205	226	< 5	0.2	0.30	8	120	0.5	< 2	6.33	3.0	4	53	33	0.87	< 10	1	0.08	< 10	2.54	190
313180	205	226	< 5	0.6	0.26	18	240	< 0.5	< 2	0.69	6.0	1	104	51	1.18	< 10	1	0.13	< 10	0.13	45
313181	205	226	< 5	0.4	0.21	8	450	< 0.5	< 2	0.16	1.0	< 1	93	12	0.57	< 10	< 1	0.09	< 10	0.04	15
313182	205	226	< 5	0.2	0.19	20	340	< 0.5	< 2	1.12	6.5	1	135	85	0.81	< 10	1	0.06	< 10	0.10	40
313183	205	226	< 5	< 0.2	< 0.01	< 2	50	0.5	< 2	>15.00	< 0.5	< 1	14	< 1	0.02	< 10	1	< 0.01	< 10	9.41	100
313184	205	226	< 5	< 0.2	0.14	6	>10000	< 0.5	< 2	7.28	4.5	3	25	14	0.29	< 10	1	< 0.01	< 10	0.16	60
313185	205	226	< 5	< 0.2	0.07	2	>10000	< 0.5	< 2	8.82	2.5	< 1	12	6	0.24	< 10	< 1	< 0.01	< 10	0.73	55
313186	205	226	< 5	< 0.2	0.01	10	>10000	< 0.5	< 2	8.95	0.5	< 1	8	1	0.08	< 10	< 1	< 0.01	< 10	0.04	5
313187	205	226	< 5	< 0.2	0.05	< 2	>10000	< 0.5	< 2	13.70	0.5	< 1	12	2	0.35	< 10	2	< 0.01	< 10	3.98	210
313188	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	12.45	0.5	< 1	14	1	0.10	< 10	1	< 0.01	< 10	4.00	65
313189	205	226	< 5	< 0.2	0.03	6	>10000	< 0.5	< 2	>15.00	0.5	< 1	11	1	0.18	< 10	1	< 0.01	< 10	3.73	100
313190	205	226	< 5	< 0.2	0.01	< 2	>10000	< 0.5	< 2	11.40	< 0.5	< 1	9	< 1	0.05	< 10	< 1	< 0.01	< 10	2.94	115
313191	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	10.60	< 0.5	< 1	7	1	0.10	< 10	1	< 0.01	< 10	1.98	80
313192	205	226	< 5	< 0.2	0.06	< 2	>10000	< 0.5	< 2	11.20	2.5	< 1	13	8	0.20	< 10	< 1	0.01	< 10	1.20	65
313192DUP	299	229	< 5	< 0.2	0.06	< 2	>10000	< 0.5	< 2	11.65	2.5	< 1	12	8	0.20	< 10	< 1	0.01	< 10	1.25	70
313193	205	226	< 5	0.8	0.35	30	180	< 0.5	< 2	4.74	4.5	3	98	39	1.20	< 10	< 1	0.10	< 10	0.17	45
313194	205	226	< 5	0.2	0.21	8	1690	< 0.5	< 2	8.49	4.0	3	85	26	0.60	< 10	< 1	0.05	< 10	0.24	50
313195	205	226	< 5	0.2	0.30	20	220	< 0.5	< 2	3.61	3.0	3	102	37	0.91	< 10	< 1	0.08	< 10	0.17	65
313196	205	226	< 5	0.2	0.32	14	320	0.5	< 2	4.43	3.0	4	68	38	0.77	< 10	< 1	0.08	10	0.24	65
313197	205	226	< 5	0.2	0.26	14	190	0.5	< 2	4.92	3.0	1	70	53	0.65	< 10	< 1	0.07	< 10	0.19	50
313198	205	226	< 5	0.4	0.36	26	170	0.5	2	3.84	3.0	4	64	41	0.91	< 10	< 1	0.09	< 10	0.17	60
313199	205	226	< 5	0.4	0.31	18	150	0.5	2	5.70	3.0	3	60	38	0.82	< 10	< 1	0.08	< 10	1.79	95
313200	205	226	< 5	0.4	0.31	16	200	0.5	2	7.01	2.5	3	58	30	0.67	< 10	< 1	0.07	< 10	1.93	120

CERTIFICATION: Hank Biddle

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 2
Certificate Date: 16-JUL-98
Invoice No. : 19823713
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Account : EIA

CERTIFICATE OF ANALYSIS A9823713

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
313163	205	226	27	< 0.01	137	890	< 2	2	2	185	< 0.01	< 10	< 10	520	< 10	1085
313164	205	226	28	< 0.01	97	1190	< 2	2	2	143	< 0.01	< 10	< 10	576	< 10	680
313165	205	226	30	< 0.01	48	1200	2	2	2	144	< 0.01	< 10	< 10	463	< 10	254
313166	205	226	29	< 0.01	96	490	2	2	2	158	< 0.01	< 10	< 10	502	< 10	528
313167	205	226	32	< 0.01	96	530	< 2	2	2	272	< 0.01	< 10	< 10	451	< 10	306
313168	205	226	39	< 0.01	114	430	2	2	1	125	< 0.01	< 10	< 10	375	< 10	342
313169	205	226	33	< 0.01	104	420	2	< 2	2	228	< 0.01	< 10	< 10	446	< 10	398
313170	205	226	38	< 0.01	90	370	< 2	< 2	3	187	< 0.01	< 10	< 10	469	< 10	290
313171	205	226	33	< 0.01	52	320	< 2	2	2	95	< 0.01	< 10	< 10	349	< 10	138
313172	205	226	28	< 0.01	58	280	2	< 2	2	271	< 0.01	< 10	< 10	400	< 10	190
313172DUP	299	229	27	< 0.01	54	250	6	2	2	280	< 0.01	< 10	< 10	406	< 10	178
313173	205	226	36	< 0.01	91	400	2	< 2	3	110	< 0.01	< 10	< 10	431	< 10	350
313174	205	226	29	< 0.01	267	410	4	2	4	171	< 0.01	< 10	< 10	567	< 10	902
313175	205	226	30	0.01	142	680	< 2	2	2	535	< 0.01	10	< 10	479	< 10	762
313176	205	226	41	< 0.01	133	480	4	< 2	4	298	< 0.01	< 10	< 10	574	< 10	320
313177	205	226	46	< 0.01	97	550	6	< 2	5	164	< 0.01	< 10	< 10	475	< 10	174
313178	205	226	39	< 0.01	137	490	< 2	< 2	3	176	< 0.01	< 10	< 10	607	< 10	578
313179	205	226	54	0.01	110	270	< 2	2	3	352	< 0.01	< 10	< 10	284	< 10	190
313180	205	226	52	< 0.01	76	230	6	< 2	2	42	< 0.01	< 10	< 10	666	< 10	488
313181	205	226	36	< 0.01	35	90	2	2	1	28	< 0.01	< 10	< 10	412	< 10	80
313182	205	226	39	< 0.01	78	200	< 2	< 2	2	101	0.05	< 10	< 10	738	< 10	746
313183	205	226	< 1	< 0.01	< 1	< 10	< 2	< 2	< 1	79	< 0.01	10	< 10	3	< 10	14
313184	205	226	9	< 0.01	141	200	< 2	< 2	< 1	3120	< 0.01	< 10	< 10	192	< 10	560
313185	205	226	5	< 0.01	70	220	< 2	< 2	< 1	3930	< 0.01	10	< 10	115	< 10	242
313186	205	226	4	< 0.01	33	190	< 2	< 2	< 1	3140	< 0.01	< 10	< 10	31	< 10	34
313187	205	226	4	< 0.01	72	160	< 2	< 2	< 1	1725	< 0.01	10	< 10	53	< 10	452
313188	205	226	3	< 0.01	42	200	< 2	< 2	< 1	1600	< 0.01	10	< 10	44	< 10	34
313189	205	226	4	< 0.01	65	350	< 2	< 2	< 1	1795	< 0.01	10	< 10	46	< 10	152
313190	205	226	3	< 0.01	32	210	< 2	2	< 1	4280	< 0.01	10	< 10	34	< 10	14
313191	205	226	6	< 0.01	45	210	< 2	< 2	< 1	6040	< 0.01	10	< 10	41	< 10	24
313192	205	226	10	< 0.01	113	260	< 2	< 2	< 1	5900	< 0.01	10	< 10	76	< 10	202
313192DUP	299	229	10	< 0.01	117	230	< 2	< 2	< 1	5150	< 0.01	10	< 10	77	< 10	220
313193	205	226	60	< 0.01	352	760	2	2	2	304	0.01	10	< 10	752	< 10	470
313194	205	226	38	< 0.01	253	600	< 2	< 2	1	736	< 0.01	10	< 10	480	< 10	476
313195	205	226	56	< 0.01	221	350	< 2	2	2	337	< 0.01	< 10	< 10	604	< 10	444
313196	205	226	56	< 0.01	237	290	< 2	2	3	422	< 0.01	< 10	< 10	665	< 10	378
313197	205	226	58	< 0.01	173	240	< 2	2	2	410	< 0.01	10	< 10	657	< 10	264
313198	205	226	60	< 0.01	230	240	2	2	3	302	< 0.01	< 10	< 10	878	< 10	436
313199	205	226	44	0.01	154	390	6	2	2	431	< 0.01	10	< 10	766	< 10	280
313200	205	226	52	0.01	153	160	2	4	3	535	< 0.01	10	< 10	911	< 10	266

CERTIFICATION: Hart Biddle

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
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Page Number :2-A
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CERTIFICATE OF ANALYSIS A9823713

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
313201	205	226	< 5	0.6	0.47	30	100	0.5	< 2	3.90	4.5	2	89	30	0.91	< 10	< 1	0.12	10	0.16	50
313202	205	226	< 5	0.6	0.54	32	120	0.5	< 2	3.75	5.5	3	92	40	1.06	< 10	< 1	0.14	10	0.16	50
313203	205	226	< 5	< 0.2	< 0.01	< 2	320	0.5	< 2	>15.00	< 0.5	< 1	14	< 1	0.02	< 10	< 1	< 0.01	< 10	9.97	115
313204	205	226	< 5	0.8	0.71	34	70	1.0	< 2	4.46	6.0	4	119	54	1.30	< 10	1	0.19	10	0.22	80
313205	205	226	< 5	1.2	0.66	42	60	0.5	< 2	3.81	41.5	3	133	102	0.83	< 10	< 1	0.16	10	0.49	65
313206	205	226	< 5	0.8	0.58	20	60	0.5	< 2	6.87	4.5	3	92	45	0.81	< 10	< 1	0.12	10	1.83	90
313207	205	226	< 5	1.0	0.57	32	130	0.5	< 2	2.71	5.0	2	96	47	0.91	< 10	< 1	0.14	< 10	0.16	25
313208	205	226	< 5	2.6	0.67	46	90	0.5	< 2	3.97	61.5	2	164	109	0.66	10	< 1	0.16	10	0.18	40
313209	205	226	< 5	2.6	0.65	46	120	0.5	< 2	4.81	60.5	1	183	146	0.58	10	< 1	0.16	10	0.15	35
313210	205	226	< 5	3.0	0.67	44	430	0.5	< 2	2.62	54.0	4	201	127	2.00	10	< 1	0.16	20	0.14	55
313211	205	226	< 5	2.6	0.67	44	880	0.5	< 2	2.17	56.5	2	223	119	1.08	< 10	< 1	0.17	10	0.14	45
313212	205	226	< 5	3.2	0.75	48	80	1.0	< 2	3.75	60.0	1	281	148	0.74	10	2	0.19	10	0.17	25
313212DUP	299	229	< 5	3.2	0.74	46	80	1.0	< 2	3.76	58.5	1	279	147	0.74	10	< 1	0.19	10	0.17	25
313213	205	226	< 5	< 0.2	0.03	< 2	>10000	< 0.5	< 2	12.70	4.5	< 1	8	15	0.10	< 10	< 1	< 0.01	< 10	0.21	35
313214	205	226	< 5	< 0.2	0.04	< 2	>10000	< 0.5	< 2	11.50	1.5	< 1	4	25	0.04	< 10	< 1	< 0.01	< 10	0.24	25
313215	205	226	< 5	< 0.2	0.01	< 2	>10000	< 0.5	< 2	11.15	3.5	< 1	3	4	0.09	< 10	< 1	< 0.01	< 10	0.06	15
313216	205	226	< 5	< 0.2	0.02	< 2	>10000	< 0.5	< 2	10.50	2.0	1	6	3	0.06	< 10	< 1	< 0.01	< 10	0.13	15
313217	205	226	< 5	< 0.2	0.06	< 2	>10000	< 0.5	< 2	10.65	2.0	< 1	8	14	0.13	< 10	< 1	0.01	< 10	0.33	25
313218	205	226	< 5	< 0.2	0.04	6	>10000	< 0.5	< 2	9.84	4.0	< 1	4	6	0.16	< 10	< 1	0.01	< 10	0.08	15
313219	205	226	< 5	< 0.2	0.02	< 2	>10000	< 0.5	< 2	10.25	2.0	1	7	4	0.06	< 10	< 1	< 0.01	< 10	0.03	5
313220	205	226	< 5	1.2	0.28	54	>10000	< 0.5	< 2	7.50	1.5	3	52	24	1.03	< 10	< 1	0.06	< 10	0.15	55
313221	205	226	< 5	< 0.2	0.03	2	>10000	< 0.5	< 2	9.90	3.0	1	6	3	0.09	< 10	< 1	< 0.01	< 10	0.09	15
313222	205	226	< 5	< 0.2	0.01	< 2	>10000	< 0.5	< 2	9.68	2.5	< 1	4	4	0.05	< 10	< 1	< 0.01	< 10	0.05	10
313223	205	226	< 5	0.8	0.33	22	330	0.5	< 2	2.27	7.0	3	126	44	1.02	< 10	< 1	0.08	< 10	0.22	50
313224	205	226	< 5	1.0	0.38	24	210	0.5	< 2	6.62	13.0	2	122	29	0.67	< 10	< 1	0.09	< 10	0.27	50
313225	205	226	< 5	1.0	0.59	28	90	0.5	< 2	5.84	9.5	3	142	44	1.02	< 10	< 1	0.13	< 10	0.40	80
313226	205	226	< 5	0.8	0.40	16	170	0.5	< 2	2.83	15.5	3	198	46	0.80	< 10	< 1	0.09	< 10	0.16	65
313227	205	226	< 5	1.6	0.70	30	70	0.5	< 2	6.51	30.5	4	123	108	0.99	< 10	< 1	0.14	< 10	0.79	115
313228	205	226	< 5	< 0.2	0.02	< 2	9540	0.5	< 2	>15.00	0.5	< 1	7	1	0.03	< 10	< 1	< 0.01	< 10	8.94	95
313229	205	226	< 5	1.4	0.72	38	100	0.5	2	3.12	45.5	3	154	150	0.94	< 10	< 1	0.14	< 10	0.20	65
313230	205	226	< 5	1.8	0.71	40	130	0.5	< 2	3.39	29.0	1	151	597	0.75	< 10	< 1	0.18	10	0.19	20

CERTIFICATION: Jan Bielle

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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
313201	205 226	62	< 0.01	182	230	6	6	3	446	< 0.01	10	< 10	1345	< 10	374
313202	205 226	73	< 0.01	221	300	2	< 2	4	570	0.01	10	< 10	1530	< 10	466
313203	205 226	< 1	< 0.01	< 1	10	2	< 2	< 1	110	< 0.01	20	< 10	7	< 10	16
313204	205 226	77	< 0.01	256	330	2	6	4	656	0.03	10	< 10	1875	< 10	620
313205	205 226	70	< 0.01	194	440	2	4	4	379	0.03	10	< 10	1930	< 10	2660
313206	205 226	83	0.01	241	490	2	2	4	597	0.01	10	< 10	1295	< 10	548
313207	205 226	69	< 0.01	183	300	2	2	4	264	< 0.01	< 10	< 10	1370	< 10	410
313208	205 226	64	< 0.01	207	1290	6	8	5	505	0.01	10	< 10	2820	< 10	3780
313209	205 226	62	< 0.01	205	1840	4	10	5	591	0.01	< 10	10	3070	< 10	3750
313210	205 226	96	< 0.01	351	2410	4	8	5	386	0.01	< 10	< 10	3170	< 10	4110
313211	205 226	75	< 0.01	231	2340	4	10	5	323	0.01	10	< 10	2960	< 10	3830
313212	205 226	77	< 0.01	236	3170	8	12	6	334	0.02	< 10	10	3180	< 10	3450
313212DUP	299 229	77	< 0.01	235	3450	2	10	6	339	0.02	10	10	3190	< 10	3360
313213	205 226	6	< 0.01	43	250	2	2	< 1	5690	< 0.01	10	< 10	91	< 10	166
313214	205 226	4	< 0.01	21	300	< 2	< 2	< 1	4340	< 0.01	10	< 10	72	< 10	82
313215	205 226	5	< 0.01	47	280	< 2	< 2	< 1	7540	< 0.01	10	< 10	56	< 10	140
313216	205 226	4	< 0.01	44	250	< 2	2	< 1	6620	< 0.01	10	< 10	66	< 10	98
313217	205 226	9	< 0.01	76	380	2	< 2	< 1	7150	< 0.01	10	< 10	146	< 10	136
313218	205 226	10	< 0.01	73	300	< 2	< 2	< 1	7230	< 0.01	< 10	< 10	96	< 10	232
313219	205 226	6	< 0.01	50	300	< 2	2	< 1	7920	< 0.01	< 10	< 10	63	< 10	98
313220	205 226	60	< 0.01	293	350	4	< 2	1	1230	0.05	10	< 10	923	< 10	314
313221	205 226	6	< 0.01	58	310	< 2	2	< 1	5670	< 0.01	10	< 10	89	< 10	174
313222	205 226	4	< 0.01	45	330	< 2	< 2	< 1	7090	< 0.01	< 10	< 10	51	< 10	110
313223	205 226	86	< 0.01	234	190	6	< 2	3	299	0.07	< 10	< 10	1175	< 10	600
313224	205 226	65	< 0.01	183	410	2	< 2	3	759	0.06	10	< 10	1485	< 10	994
313225	205 226	96	< 0.01	251	530	4	< 2	4	498	0.09	10	10	1710	< 10	792
313226	205 226	52	< 0.01	157	440	2	< 2	3	315	0.03	< 10	< 10	1130	< 10	1125
313227	205 226	61	< 0.01	261	810	8	< 2	3	471	0.04	10	10	1955	< 10	1820
313228	205 226	1	< 0.01	8	120	18	< 2	< 1	310	< 0.01	10	< 10	33	< 10	34
313229	205 226	37	< 0.01	198	750	8	< 2	3	320	0.05	< 10	10	2310	< 10	2280
313230	205 226	37	< 0.01	127	3930	8	2	3	422	0.07	10	10	2500	< 10	570

CERTIFICATION: Jan Bielle

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To: EQUITY ENGINEERING LTD.

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V6B 1N2

A9824002

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824002

(EIA) - EQUITY ENGINEERING LTD.

Project:
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	46	Geochem ring to approx 150 mesh
226	46	0-3 Kg crush and split
3202	46	Rock - save entire reject
299	2	Pulp; prepped on other workorder
229	48	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	48	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	48	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	48	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	48	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	48	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	48	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	48	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	48	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	48	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	48	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	48	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	48	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	48	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	48	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	48	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	48	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	48	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	48	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	48	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	48	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	48	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	48	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	48	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	48	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	48	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	48	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	48	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	48	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	48	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	48	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	48	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	48	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	48	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: [redacted] EQUITY ENGINEERING LTD.

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

Project :
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-JUL-98
Invoice No. :I9824002
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9824002

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
313328	205	226	< 5	0.6	0.38	18	180	< 0.5	< 2	1.02	10.5	2	159	35	1.03	< 10	< 1	0.09	< 10	0.07	35
313329	205	226	< 5	2.4	0.50	38	150	0.5	< 2	3.70	65.0	2	219	126	0.68	< 10	< 1	0.12	< 10	0.20	40
313330	205	226	< 5	2.2	0.46	36	90	0.5	2	5.77	92.0	3	227	164	0.66	< 10	< 1	0.11	< 10	0.19	75
313331	205	226	< 5	2.4	0.40	38	170	0.5	< 2	3.85	84.0	2	214	146	0.58	< 10	< 1	0.10	< 10	0.14	30
313332	205	226	< 5	2.0	0.38	32	180	0.5	< 2	3.37	73.5	2	261	117	0.59	< 10	< 1	0.09	< 10	0.23	45
313333	205	226	< 5	1.0	0.31	22	220	1.0	< 2	10.80	42.5	< 1	126	67	0.33	< 10	< 1	0.05	< 10	5.47	255
313334	205	226	< 5	1.4	0.45	28	190	0.5	< 2	7.56	64.0	1	167	115	0.47	< 10	< 1	0.09	< 10	3.46	185
313335	205	226	< 5	1.4	0.33	30	150	0.5	< 2	4.52	73.5	5	315	63	0.71	< 10	< 1	0.08	10	0.17	140
313336	205	226	< 5	1.2	0.41	28	430	0.5	< 2	2.60	69.5	9	360	60	1.14	< 10	< 1	0.09	10	0.14	230
313337	205	226	< 5	1.0	0.36	16	870	< 0.5	2	3.82	54.0	5	178	38	0.61	< 10	< 1	0.07	< 10	0.11	180
313338	205	226	< 5	0.6	0.31	14	690	< 0.5	< 2	2.76	47.0	6	235	54	0.80	< 10	< 1	0.07	< 10	0.15	215
313338 DUP	299	229	< 5	0.6	0.32	12	670	< 0.5	< 2	2.55	45.0	6	234	55	0.77	< 10	< 1	0.07	< 10	0.15	200
313339	205	226	< 5	0.8	0.30	16	620	< 0.5	< 2	2.00	32.0	4	234	42	0.66	< 10	< 1	0.08	< 10	0.10	125
313340	205	226	< 5	1.6	0.60	30	920	0.5	4	4.29	79.0	6	183	56	0.97	< 10	< 1	0.14	10	0.17	250
313341	205	226	< 5	1.6	0.58	28	950	0.5	< 2	9.69	72.5	11	134	85	1.14	< 10	1	0.14	10	0.24	445
313342	205	226	10	1.0	0.48	18	1020	0.5	< 2	7.76	46.5	8	116	94	1.13	< 10	< 1	0.11	< 10	0.25	365
313343	205	226	< 5	1.2	0.64	22	1400	0.5	< 2	7.41	45.5	11	164	78	1.35	< 10	< 1	0.13	10	0.57	295
313344	205	226	< 5	0.6	0.33	6	1350	< 0.5	2	>15.00	21.5	3	135	148	0.47	< 10	< 1	0.06	< 10	1.23	185
313345	205	226	< 5	1.2	0.43	18	140	0.5	< 2	3.03	22.5	2	161	35	0.68	< 10	< 1	0.10	< 10	0.28	45
313346	205	226	< 5	1.6	0.38	18	240	0.5	< 2	4.06	34.0	4	176	78	0.78	< 10	< 1	0.10	< 10	0.18	95
313347	205	226	< 5	1.4	0.46	20	270	0.5	< 2	3.88	30.5	2	180	81	0.58	< 10	< 1	0.12	< 10	0.18	35
313348	205	226	< 5	< 0.2	< 0.01	< 2	70	0.5	< 2	>15.00	< 0.5	< 1	8	< 1	0.01	< 10	< 1	< 0.01	< 10	9.69	115
313349	205	226	< 5	1.6	0.59	22	170	0.5	< 2	3.28	24.5	4	170	71	0.84	< 10	< 1	0.14	10	0.30	70
313350	205	226	< 5	1.0	0.46	18	250	0.5	< 2	3.40	27.0	9	242	82	1.14	< 10	< 1	0.10	< 10	0.25	290
313351	205	226	< 5	1.0	0.49	24	160	0.5	< 2	2.16	7.5	5	191	32	1.23	< 10	< 1	0.11	< 10	0.17	85
313352	205	226	< 5	1.2	0.48	20	150	0.5	< 2	3.48	7.0	6	204	18	1.14	< 10	< 1	0.11	< 10	0.21	125
313353	205	226	< 5	0.6	0.34	8	610	< 0.5	< 2	5.74	19.5	8	218	16	1.20	< 10	< 1	0.06	< 10	0.29	280
313354	205	226	< 5	0.6	0.46	10	510	0.5	2	6.68	22.0	13	213	14	1.50	< 10	< 1	0.08	10	0.50	535
313355	205	226	< 5	2.4	0.51	34	210	0.5	2	3.73	68.5	3	269	70	0.62	< 10	< 1	0.12	10	0.13	65
313356	205	226	< 5	1.2	0.37	30	280	< 0.5	< 2	3.32	50.5	3	213	72	0.64	< 10	< 1	0.08	< 10	0.09	65
313357	205	226	< 5	1.4	0.43	30	210	0.5	< 2	1.59	30.0	2	235	61	0.63	< 10	< 1	0.10	10	0.09	40
313358	205	226	< 5	0.2	0.20	10	970	0.5	< 2	13.60	18.0	5	42	27	0.87	< 10	< 1	0.02	< 10	7.22	520
313358 DUP	299	229	< 5	0.2	0.20	2	950	0.5	< 2	13.90	17.5	5	39	26	0.88	< 10	< 1	0.02	< 10	7.30	530
313359	205	226	< 5	1.2	0.43	28	200	0.5	< 2	2.60	22.5	1	199	52	0.62	< 10	< 1	0.10	< 10	0.13	35
313360	205	226	< 5	2.0	0.61	44	180	0.5	< 2	3.88	50.0	5	153	66	1.07	< 10	< 1	0.15	10	0.19	195
313361	205	226	< 5	2.2	0.58	38	260	0.5	< 2	5.35	77.0	6	154	82	0.96	< 10	< 1	0.14	10	0.20	220
313362	205	226	< 5	2.0	0.58	36	180	0.5	2	4.65	51.5	3	160	79	0.69	< 10	< 1	0.15	10	0.19	45
313363	205	226	< 5	1.6	0.48	24	260	0.5	2	4.41	36.0	3	150	78	0.62	< 10	< 1	0.12	10	0.18	55
313364	205	226	< 5	2.0	0.50	28	180	0.5	< 2	4.61	37.0	3	176	86	0.72	< 10	< 1	0.12	10	0.20	65
313365	205	226	< 5	1.8	0.43	22	280	0.5	< 2	5.34	38.0	2	167	85	0.61	< 10	< 1	0.11	10	0.17	45

CERTIFICATION: Ian Buchler

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: [redacted] EQUITY ENGINEERING LTD.

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

Project :
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :I9824002
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9824002

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
313328	205	226	38	< 0.01	85	390	6	2	2	148	< 0.01	< 10	< 10	620	< 10	672
313329	205	226	44	< 0.01	183	2630	4	6	4	372	0.02	< 10	< 10	2340	< 10	3530
313330	205	226	52	< 0.01	234	850	6	4	4	476	0.04	10	< 10	2740	< 10	4580
313331	205	226	58	< 0.01	213	560	2	2	4	469	0.03	< 10	< 10	2810	< 10	3960
313332	205	226	65	< 0.01	197	970	6	6	4	404	0.03	< 10	< 10	2540	< 10	4240
313333	205	226	29	0.02	121	930	6	6	3	828	0.01	10	< 10	1860	< 10	2170
313334	205	226	40	< 0.01	149	1150	6	2	3	646	0.03	10	< 10	2250	< 10	3060
313335	205	226	56	< 0.01	255	1680	2	< 2	3	440	0.04	< 10	< 10	2600	< 10	4530
313336	205	226	44	< 0.01	288	1320	2	2	4	193	0.05	< 10	< 10	3070	< 10	3570
313337	205	226	31	< 0.01	167	480	2	< 2	3	316	0.02	< 10	< 10	1715	< 10	2990
313338	205	226	37	< 0.01	161	440	< 2	2	2	282	0.03	< 10	< 10	1380	< 10	3650
313338 DUP	299	229	35	< 0.01	154	400	< 2	< 2	2	266	0.03	< 10	< 10	1390	< 10	3460
313339	205	226	42	< 0.01	148	520	< 2	< 2	2	204	0.02	< 10	< 10	1500	< 10	2280
313340	205	226	85	< 0.01	265	1060	2	< 2	4	338	0.04	< 10	< 10	2860	< 10	4140
313341	205	226	72	< 0.01	298	1000	< 2	2	4	850	0.03	10	< 10	2440	< 10	4260
313342	205	226	52	< 0.01	269	830	2	< 2	4	655	0.03	< 10	< 10	1865	< 10	3720
313343	205	226	70	< 0.01	336	1000	< 2	2	3	536	0.05	< 10	< 10	1780	< 10	3250
313344	205	226	33	< 0.01	160	390	< 2	< 2	2	848	0.03	10	< 10	1045	< 10	1395
313345	205	226	55	< 0.01	140	500	6	< 2	3	149	0.04	< 10	< 10	1600	< 10	1305
313346	205	226	55	< 0.01	187	530	2	< 2	3	181	0.04	< 10	< 10	1410	< 10	2300
313347	205	226	37	< 0.01	139	310	2	< 2	3	304	0.03	< 10	< 10	1705	< 10	1610
313348	205	226	< 1	< 0.01	< 1	30	4	< 2	< 1	113	< 0.01	10	< 10	6	10	2
313349	205	226	51	< 0.01	165	690	< 2	2	4	244	0.04	< 10	< 10	1655	< 10	2110
313350	205	226	51	< 0.01	236	430	2	< 2	3	233	0.05	< 10	< 10	1565	< 10	2820
313351	205	226	54	< 0.01	184	800	2	< 2	3	173	0.07	< 10	< 10	1760	< 10	1025
313352	205	226	60	< 0.01	204	1410	6	< 2	4	305	0.08	< 10	< 10	1620	< 10	1195
313353	205	226	48	< 0.01	268	730	2	< 2	3	568	0.05	< 10	< 10	964	< 10	2070
313354	205	226	48	< 0.01	355	590	6	< 2	3	462	0.06	10	< 10	1140	< 10	3130
313355	205	226	61	< 0.01	181	1290	4	2	4	381	0.04	< 10	< 10	2980	< 10	3820
313356	205	226	50	< 0.01	178	900	< 2	< 2	3	310	0.02	< 10	< 10	1955	< 10	3170
313357	205	226	50	< 0.01	113	930	2	< 2	3	170	0.02	< 10	< 10	2170	< 10	1995
313358	205	226	55	0.01	197	250	< 2	< 2	1	951	< 0.01	10	< 10	856	< 10	2080
313358 DUP	299	229	54	0.01	195	270	< 2	2	1	926	< 0.01	10	< 10	853	< 10	2070
313359	205	226	47	< 0.01	93	2480	2	6	4	230	0.02	10	< 10	2030	< 10	1330
313360	205	226	88	< 0.01	221	1300	2	4	4	272	0.01	< 10	< 10	2870	< 10	3900
313361	205	226	102	< 0.01	290	810	< 2	< 2	4	400	0.01	10	< 10	2630	< 10	4850
313362	205	226	51	< 0.01	208	850	2	4	4	534	0.01	< 10	< 10	2740	< 10	2560
313363	205	226	67	< 0.01	174	620	2	2	4	473	0.01	< 10	< 10	2080	< 10	2410
313364	205	226	56	< 0.01	195	900	4	2	4	551	0.02	10	< 10	2180	< 10	2350
313365	205	226	44	< 0.01	166	1110	4	4	4	590	0.01	< 10	< 10	1855	< 10	1885

CERTIFICATION: Ithrist Bichler

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: [redacted] EQUITY ENGINEERING LTD.

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

Project :
Comments: ATTN: STEWART HARRIS

Page Number :2-A
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :I9824002
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9824002

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
313366	205	226	< 5	1.4	0.33	18	240	0.5	< 2	4.46	28.5	1	158	59	0.51	< 10	< 1	0.08	< 10	0.14	40
313367	205	226	< 5	1.8	0.44	28	190	0.5	< 2	4.93	34.5	3	161	80	0.72	< 10	< 1	0.11	< 10	0.19	70
313368	205	226	< 5	< 0.2	< 0.01	< 2	30	0.5	< 2	>15.00	< 0.5	< 1	10	< 1	0.01	< 10	< 1	< 0.01	< 10	9.49	95
313369	205	226	< 5	1.4	0.47	22	210	0.5	< 2	4.70	25.0	2	186	58	0.69	< 10	< 1	0.12	< 10	0.34	50
313370	205	226	< 5	1.8	0.47	22	180	0.5	< 2	4.65	25.0	2	173	67	0.73	< 10	< 1	0.11	< 10	0.27	40
313371	205	226	< 5	2.0	0.70	26	130	0.5	< 2	3.39	41.0	6	173	73	1.05	< 10	< 1	0.15	< 10	0.47	70
313372	205	226	< 5	1.4	0.45	24	170	0.5	< 2	3.95	31.0	3	172	76	0.74	< 10	< 1	0.11	10	0.22	35
313373	205	226	< 5	1.4	0.45	24	220	0.5	< 2	4.48	37.5	3	203	66	0.72	< 10	< 1	0.11	10	0.19	40

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: [redacted] EQUITY ENGINEERING LTD.

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

Project :
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-JUL-98
Invoice No. :I9824002
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CERTIFICATE OF ANALYSIS A9824002

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
313366	205	226	35	< 0.01	132	720	2	< 2	3	492	0.01	< 10	< 10	1385	< 10	1445
313367	205	226	52	< 0.01	177	1060	2	2	4	504	0.03	< 10	< 10	1865	< 10	2160
313368	205	226	< 1	< 0.01	< 1	10	< 2	< 2	< 1	98	< 0.01	10	< 10	5	10	8
313369	205	226	33	< 0.01	140	630	< 2	< 2	4	369	0.02	< 10	< 10	1435	< 10	1575
313370	205	226	35	< 0.01	115	1160	2	2	3	393	< 0.01	< 10	< 10	1245	< 10	1330
313371	205	226	68	< 0.01	243	890	4	2	4	289	0.03	< 10	< 10	1940	< 10	2610
313372	205	226	51	< 0.01	145	850	2	2	5	341	0.06	< 10	< 10	2370	< 10	1715
313373	205	226	58	< 0.01	188	700	< 2	2	4	416	0.05	< 10	< 10	2450	< 10	2160

CERTIFICATION: Stewart Bichler

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

A9824008

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824008

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	8	Geochem ring to approx 150 mesh
226	8	0-3 Kg crush and split
3202	8	Rock - save entire reject
229	8	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	8	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	8	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	8	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	8	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	8	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	8	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	8	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	8	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	8	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	8	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	8	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	8	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	8	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	8	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	8	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	8	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	8	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	8	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	8	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-JUL-98
Invoice No. :I9824008
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824008

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
313255	205	226	10	0.6	0.23	10	570	< 0.5	< 2	0.08	0.5	< 1	161	16	0.64	< 10	< 1	0.10	< 10	0.02	15
313256	205	226	< 5	0.6	0.61	10	80	< 0.5	< 2	3.74	20.5	7	119	44	1.12	< 10	< 1	0.12	< 10	0.35	400
313257	205	226	5	0.6	0.30	12	290	< 0.5	< 2	0.33	3.0	3	184	21	0.72	< 10	< 1	0.11	< 10	0.10	105
313258	205	226	5	1.4	0.40	16	90	< 0.5	< 2	2.05	9.5	1	147	32	1.03	< 10	< 1	0.11	< 10	0.26	170
313259	205	226	5	0.8	0.56	18	120	< 0.5	< 2	0.88	3.5	1	156	36	1.28	< 10	< 1	0.13	< 10	0.08	35
313260	205	226	< 5	0.2	0.41	10	430	< 0.5	< 2	0.11	3.0	< 1	258	26	0.75	< 10	< 1	0.11	< 10	0.03	30
313261	205	226	< 5	< 0.2	< 0.01	< 2	80	0.5	< 2	>15.00	< 0.5	< 1	9	< 1	0.02	< 10	< 1	< 0.01	< 10	9.95	135
313262	205	226	< 5	0.2	0.32	10	270	< 0.5	< 2	0.78	4.0	1	234	16	0.64	< 10	< 1	0.08	< 10	0.15	50

CERTIFICATION: Hart Biddle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9824008
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824008

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
313255	205	226	27	< 0.01	20	140	6	2	< 1	16	< 0.01	< 10	< 10	284	< 10	18
313256	205	226	22	< 0.01	148	980	2	< 2	3	269	< 0.01	< 10	< 10	486	< 10	1105
313257	205	226	16	< 0.01	37	230	2	< 2	1	37	< 0.01	< 10	< 10	338	< 10	204
313258	205	226	23	< 0.01	54	750	4	2	3	134	< 0.01	< 10	< 10	376	< 10	352
313259	205	226	25	< 0.01	34	1150	4	2	2	84	0.02	< 10	< 10	443	< 10	170
313260	205	226	32	< 0.01	23	230	2	< 2	< 1	15	< 0.01	< 10	< 10	249	< 10	162
313261	205	226	< 1	< 0.01	< 1	10	4	< 2	< 1	76	< 0.01	10	< 10	3	< 10	< 2
313262	205	226	18	< 0.01	31	480	< 2	< 2	1	46	< 0.01	< 10	< 10	258	< 10	216

CERTIFICATION: Jan Bible

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

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

A9824014

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824014

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	20	Geochem ring to approx 150 mesh
226	20	0-3 Kg crush and split
3202	20	Rock - save entire reject
299	2	Pulp; prepped on other workorder
229	22	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	22	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	22	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	22	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	22	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	22	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	22	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	22	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	22	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	22	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	22	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	22	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	22	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	22	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	22	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	22	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	22	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	22	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	22	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	22	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	22	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	22	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	22	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	22	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	22	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	22	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	22	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	22	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	22	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	22	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	22	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	22	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	22	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	22	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 :
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9824014
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824014

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
313308	205	226	< 5	0.6	0.32	20	90	< 0.5	< 2	2.26	4.0	2	82	44	1.05	< 10	< 1	0.09	< 10	0.18	70
313309	205	226	< 5	0.2	0.29	12	200	1.0	< 2	10.40	7.0	2	58	31	0.64	< 10	< 1	0.05	< 10	5.21	410
313310	205	226	< 5	0.2	0.41	18	80	0.5	< 2	4.53	8.5	4	71	83	0.82	< 10	< 1	0.08	< 10	0.79	150
313310 DUP	299	229	< 5	0.2	0.41	18	90	0.5	< 2	4.27	8.0	4	79	78	0.82	< 10	< 1	0.08	< 10	0.73	140
313311	205	226	< 5	1.0	0.36	42	90	< 0.5	< 2	1.60	3.0	< 1	89	52	1.28	< 10	< 1	0.14	< 10	0.25	30
313312	205	226	< 5	1.4	0.50	24	120	< 0.5	< 2	6.42	4.0	1	76	84	1.21	< 10	< 1	0.15	< 10	0.42	140
313313	205	226	< 5	1.0	0.55	26	50	0.5	< 2	3.87	21.0	8	93	96	1.42	< 10	< 1	0.11	< 10	0.30	220
313314	205	226	< 5	1.2	0.45	22	60	< 0.5	2	4.28	9.0	5	97	62	1.04	< 10	< 1	0.09	< 10	0.58	155
313315	205	226	< 5	0.8	0.47	24	>10000	< 0.5	< 2	4.57	13.0	3	82	67	0.78	< 10	< 1	0.08	< 10	0.22	135
313316	205	226	< 5	0.8	0.57	12	>10000	0.5	< 2	5.18	9.5	2	81	34	0.66	< 10	< 1	0.11	< 10	1.48	225
313317	205	226	< 5	1.0	0.79	32	140	0.5	< 2	1.72	21.5	4	93	74	1.18	< 10	< 1	0.22	< 10	0.87	130
313318	205	226	< 5	1.0	0.79	32	100	0.5	< 2	0.77	18.5	1	123	83	1.10	< 10	< 1	0.17	< 10	0.09	60
313319	205	226	< 5	0.8	0.68	28	1650	0.5	< 2	2.58	14.0	1	134	74	0.82	< 10	< 1	0.13	< 10	0.20	85
313320	205	226	< 5	1.0	0.65	24	350	0.5	< 2	1.80	9.0	1	131	68	0.89	< 10	< 1	0.14	< 10	0.35	65
313320 DUP	299	229	< 5	1.0	0.62	24	570	< 0.5	< 2	1.98	9.5	2	124	66	0.80	< 10	< 1	0.13	< 10	0.39	70
313321	205	226	< 5	0.8	0.47	22	>10000	< 0.5	< 2	4.10	10.0	< 1	91	54	0.49	< 10	< 1	0.09	< 10	0.57	80
313322	205	226	< 5	1.0	0.65	24	190	0.5	< 2	1.96	26.0	6	123	71	0.79	< 10	< 1	0.15	< 10	0.31	155
313323	205	226	< 5	1.2	0.55	26	500	0.5	< 2	1.82	12.5	2	146	72	1.15	< 10	< 1	0.15	< 10	0.21	50
313324	205	226	< 5	1.2	0.79	28	200	0.5	< 2	2.87	21.5	4	121	88	1.11	< 10	< 1	0.16	< 10	0.47	95
313325	205	226	< 5	1.2	0.81	32	160	0.5	< 2	1.89	15.0	2	128	103	1.34	< 10	< 1	0.14	10	0.12	70
313326	205	226	< 5	1.6	0.66	28	200	0.5	< 2	0.84	7.0	1	115	65	1.33	< 10	< 1	0.14	10	0.07	30
313327	205	226	< 5	< 0.2	< 0.01	< 2	100	0.5	< 2	>15.00	< 0.5	< 1	8	< 1	0.02	< 10	< 1	< 0.01	< 10	9.82	115

CERTIFICATION: Hart Biddle

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 :
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : 19824014
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824014

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
313308	205	226	46	< 0.01	108	670	4	2	1	185	< 0.01	< 10	< 10	431	< 10	352
313309	205	226	34	0.01	124	280	< 2	< 2	1	720	< 0.01	< 10	< 10	509	< 10	434
313310	205	226	53	< 0.01	163	590	< 2	< 2	3	312	< 0.01	< 10	< 10	453	< 10	586
313310 DUP	299	229	51	< 0.01	160	580	2	< 2	3	303	< 0.01	< 10	< 10	460	< 10	554
313311	205	226	50	< 0.01	32	1700	6	2	3	179	< 0.01	< 10	< 10	361	< 10	102
313312	205	226	24	< 0.01	68	1530	2	2	3	395	< 0.01	< 10	< 10	371	< 10	338
313313	205	226	28	< 0.01	164	2490	< 2	2	3	502	< 0.01	< 10	< 10	503	< 10	1515
313314	205	226	24	< 0.01	137	2270	< 2	2	3	632	< 0.01	< 10	< 10	487	< 10	976
313315	205	226	22	< 0.01	88	1660	2	2	2	1310	< 0.01	< 10	< 10	424	< 10	818
313316	205	226	21	< 0.01	62	1470	2	< 2	2	933	0.01	< 10	< 10	515	< 10	446
313317	205	226	37	< 0.01	109	1610	2	4	4	296	< 0.01	< 10	< 10	808	< 10	998
313318	205	226	34	< 0.01	77	2770	2	4	3	168	< 0.01	< 10	< 10	702	< 10	496
313319	205	226	24	< 0.01	59	2320	< 2	2	3	521	0.02	< 10	< 10	717	< 10	492
313320	205	226	22	< 0.01	65	2370	2	< 2	3	417	0.01	< 10	< 10	659	< 10	396
313320 DUP	299	229	22	< 0.01	69	2300	< 2	6	3	417	0.01	< 10	< 10	633	< 10	426
313321	205	226	17	< 0.01	71	3540	< 2	4	3	1300	0.01	< 10	< 10	491	< 10	576
313322	205	226	31	< 0.01	188	1190	< 2	4	3	318	0.01	< 10	< 10	845	< 10	1980
313323	205	226	45	< 0.01	99	1180	2	4	4	371	0.03	< 10	10	1165	< 10	720
313324	205	226	28	< 0.01	129	2210	4	6	5	462	0.04	< 10	< 10	947	< 10	1120
313325	205	226	28	< 0.01	100	2610	< 2	6	5	305	0.05	< 10	< 10	905	< 10	782
313326	205	226	33	< 0.01	50	2720	6	2	3	300	0.04	< 10	< 10	775	< 10	354
313327	205	226	< 1	< 0.01	< 1	20	6	< 2	< 1	119	< 0.01	10	< 10	3	< 10	4

CERTIFICATION: Hart Biddle

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

A9824017

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824017

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	45	Geochem ring to approx 150 mesh
226	45	0-3 Kg crush and split
3202	45	Rock - save entire reject
229	45	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	45	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	45	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	45	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	45	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	45	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	45	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	45	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	45	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	45	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	45	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	45	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	45	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	45	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	45	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	45	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	45	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	45	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	45	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	45	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	45	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	45	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	45	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	45	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	45	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	45	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	45	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	45	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	45	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	45	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	45	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	45	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	45	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	45	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

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Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :I9824017
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824017

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
313263	205	226	< 5	0.2	0.37	8	340	< 0.5	< 2	2.96	6.0	2	148	29	0.59	< 10	< 1	0.10	< 10	0.53	60
313264	205	226	< 5	0.2	0.31	8	420	0.5	< 2	10.85	10.0	2	78	26	0.54	< 10	1	0.06	< 10	5.25	250
313265	205	226	< 5	0.4	0.64	18	120	0.5	< 2	2.91	15.5	4	88	28	1.29	< 10	< 1	0.16	< 10	1.48	155
313266	205	226	< 5	0.4	0.28	16	30	< 0.5	< 2	3.26	4.0	< 1	100	20	4.24	< 10	< 1	0.17	< 10	0.38	30
313267	205	226	< 5	2.6	0.26	26	10	< 0.5	4	9.63	4.0	26	39	52	8.64	< 10	1	0.14	< 10	0.63	155
313268	205	226	< 5	0.8	1.32	26	30	0.5	2	12.05	8.0	28	161	48	5.06	< 10	1	0.25	< 10	1.78	380
313269	205	226	< 5	0.4	0.34	10	200	< 0.5	< 2	1.00	2.0	1	142	17	0.79	< 10	< 1	0.11	< 10	0.50	35
313270	205	226	< 5	0.4	0.44	16	100	0.5	< 2	0.88	4.5	2	126	32	1.08	< 10	< 1	0.09	< 10	0.12	40
313271	205	226	< 5	0.4	0.51	16	100	0.5	< 2	2.93	5.5	6	167	38	1.08	< 10	< 1	0.13	10	0.18	90
313272	205	226	< 5	0.4	0.56	20	80	0.5	2	3.21	7.0	6	107	42	1.08	< 10	< 1	0.11	< 10	0.25	150
313273	205	226	10	0.4	0.57	10	80	0.5	2	3.16	4.0	4	104	37	0.93	< 10	< 1	0.14	10	0.17	50
313274	205	226	< 5	0.4	0.51	16	80	0.5	< 2	4.56	4.5	3	83	53	0.81	< 10	< 1	0.13	< 10	0.16	60
313275	205	226	5	0.4	0.47	18	80	0.5	< 2	2.32	2.5	3	92	29	0.92	< 10	< 1	0.12	10	0.13	45
313276	205	226	< 5	0.4	0.60	32	80	0.5	6	2.16	6.0	8	96	55	1.38	< 10	< 1	0.14	< 10	0.17	145
313277	205	226	< 5	0.4	0.48	20	70	0.5	< 2	3.21	4.0	8	87	42	1.14	< 10	< 1	0.11	< 10	1.14	125
313278	205	226	< 5	0.2	0.38	24	100	0.5	< 2	3.82	1.5	5	93	36	1.04	< 10	< 1	0.09	< 10	1.75	100
313279	205	226	< 5	0.2	0.59	20	50	1.0	2	2.76	2.5	4	89	37	1.07	< 10	< 1	0.12	< 10	0.93	75
313280	205	226	< 5	0.6	0.54	22	80	0.5	2	4.73	1.5	3	147	27	0.95	< 10	< 1	0.09	< 10	0.71	70
313281	205	226	< 5	0.2	0.35	12	180	< 0.5	< 2	4.87	3.5	4	115	26	0.81	< 10	< 1	0.06	10	0.20	65
313282	205	226	< 5	0.2	0.36	10	70	< 0.5	2	5.02	1.5	3	91	27	0.68	< 10	< 1	0.07	< 10	0.20	45
313283	205	226	< 5	0.2	0.45	10	60	< 0.5	2	4.36	12.5	5	74	34	1.03	< 10	< 1	0.05	< 10	0.24	150
313284	205	226	< 5	< 0.2	< 0.01	< 2	110	0.5	< 2	>15.00	< 0.5	< 1	10	< 1	0.03	< 10	< 1	< 0.01	< 10	9.64	120
313285	205	226	< 5	0.4	0.39	14	50	0.5	< 2	3.67	4.0	3	102	46	0.96	< 10	< 1	0.09	< 10	0.20	55
313286	205	226	< 5	0.4	0.35	10	60	0.5	< 2	4.99	2.5	4	89	32	0.87	< 10	< 1	0.09	< 10	0.30	60
313287	205	226	< 5	0.2	0.26	10	110	0.5	< 2	9.81	2.5	3	68	31	0.62	< 10	< 1	0.06	< 10	2.73	140
313288	205	226	< 5	0.2	0.30	10	130	0.5	< 2	10.50	3.0	1	69	31	0.59	< 10	< 1	0.06	< 10	3.05	155
313289	205	226	< 5	0.6	0.44	16	90	0.5	< 2	4.53	4.5	3	94	44	0.84	< 10	< 1	0.11	< 10	0.20	50
313290	205	226	< 5	0.6	0.38	10	80	0.5	< 2	3.75	6.5	3	123	38	0.81	< 10	< 1	0.10	< 10	0.28	50
313291	205	226	< 5	0.4	0.36	14	60	0.5	< 2	7.06	4.0	4	67	29	0.79	< 10	< 1	0.10	< 10	2.89	130
313292	205	226	< 5	0.6	0.44	20	40	0.5	6	2.32	4.5	6	104	53	1.14	< 10	< 1	0.12	< 10	0.17	75
313293	205	226	< 5	0.8	0.54	28	60	0.5	2	1.23	2.5	5	111	25	1.17	< 10	< 1	0.15	< 10	0.10	40
313294	205	226	10	0.8	0.60	22	30	0.5	2	2.80	4.5	6	127	45	1.18	< 10	< 1	0.14	< 10	0.14	65
313295	205	226	< 5	< 0.2	0.01	12	>10000	< 0.5	2	10.95	1.5	< 1	5	1	0.04	< 10	< 1	0.02	10	0.08	5
313296	205	226	< 5	0.2	0.39	2	>10000	< 0.5	2	6.71	5.0	3	57	37	0.58	< 10	< 1	0.06	< 10	0.44	40
313297	205	226	< 5	0.6	0.38	18	100	0.5	< 2	3.50	2.0	4	90	26	0.99	< 10	< 1	0.10	< 10	0.85	65
313298	205	226	< 5	0.6	0.47	24	260	0.5	< 2	4.06	1.5	6	91	29	1.09	< 10	< 1	0.11	10	0.79	80
313299	205	226	< 5	1.0	0.40	20	>10000	0.5	2	3.93	26.5	2	132	109	0.58	< 10	1	0.10	10	0.23	45
313300	205	226	< 5	2.0	0.50	28	70	0.5	< 2	5.49	51.0	3	211	243	0.74	< 10	1	0.13	10	0.28	70
313301	205	226	< 5	1.6	0.39	18	50	0.5	2	4.85	90.0	3	231	173	0.61	< 10	4	0.09	< 10	0.26	85
313302	205	226	< 5	1.0	0.43	14	120	0.5	< 2	6.82	62.0	3	186	83	0.57	< 10	2	0.09	< 10	0.33	105

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 16-JUL-98
Invoice No. :I9824017
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824017

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
313263	205	226	24	< 0.01	76	170	2	< 2	2	144	< 0.01	< 10	< 10	557	< 10	318
313264	205	226	18	0.01	64	300	< 2	< 2	1	562	< 0.01	10	< 10	284	< 10	338
313265	205	226	43	< 0.01	113	850	2	< 2	5	208	< 0.01	< 10	< 10	561	< 10	460
313266	205	226	28	< 0.01	28	400	< 2	< 2	1	219	< 0.01	< 10	< 10	586	< 10	116
313267	205	226	15	< 0.01	186	210	8	8	2	367	< 0.01	10	< 10	126	< 10	448
313268	205	226	11	< 0.01	231	2190	6	< 2	13	619	< 0.01	10	< 10	372	< 10	478
313269	205	226	40	< 0.01	38	160	4	< 2	1	55	< 0.01	< 10	< 10	334	< 10	74
313270	205	226	43	< 0.01	116	290	2	2	3	108	< 0.01	< 10	< 10	602	< 10	286
313271	205	226	46	< 0.01	172	270	2	2	3	380	0.01	< 10	< 10	830	< 10	460
313272	205	226	47	< 0.01	225	210	2	< 2	3	324	0.01	< 10	< 10	861	< 10	730
313273	205	226	50	< 0.01	179	250	2	< 2	3	373	< 0.01	< 10	< 10	1245	< 10	374
313274	205	226	39	< 0.01	167	280	< 2	2	3	525	< 0.01	< 10	< 10	1145	< 10	390
313275	205	226	44	< 0.01	136	190	< 2	2	3	202	< 0.01	< 10	< 10	1055	< 10	342
313276	205	226	67	< 0.01	266	250	4	2	4	247	0.01	< 10	< 10	852	< 10	670
313277	205	226	59	< 0.01	272	380	2	2	4	242	0.01	< 10	< 10	498	< 10	444
313278	205	226	85	< 0.01	212	220	6	2	3	239	0.01	< 10	< 10	502	< 10	150
313279	205	226	61	< 0.01	195	270	2	< 2	4	171	0.06	< 10	< 10	940	< 10	232
313280	205	226	80	< 0.01	194	390	2	< 2	3	386	0.06	< 10	< 10	912	< 10	140
313281	205	226	44	< 0.01	209	280	2	< 2	2	512	0.04	< 10	< 10	660	< 10	304
313282	205	226	45	< 0.01	162	280	< 2	< 2	2	346	0.04	< 10	< 10	617	< 10	172
313283	205	226	45	< 0.01	185	170	2	< 2	2	265	0.02	< 10	< 10	479	< 10	1115
313284	205	226	< 1	< 0.01	< 1	< 10	2	< 2	< 1	103	< 0.01	10	< 10	3	10	14
313285	205	226	57	< 0.01	188	370	2	< 2	3	311	0.04	< 10	< 10	925	< 10	402
313286	205	226	51	< 0.01	173	370	4	< 2	3	475	0.04	< 10	< 10	835	< 10	234
313287	205	226	50	0.01	150	250	2	< 2	2	634	0.02	< 10	< 10	689	< 10	212
313288	205	226	46	0.01	146	330	< 2	< 2	2	740	0.02	10	< 10	706	< 10	246
313289	205	226	66	< 0.01	189	720	4	< 2	3	408	0.03	< 10	< 10	1145	< 10	360
313290	205	226	58	< 0.01	187	230	2	< 2	3	342	0.04	< 10	< 10	1005	< 10	536
313291	205	226	68	0.01	181	220	4	< 2	3	491	0.05	< 10	< 10	1065	< 10	354
313292	205	226	109	< 0.01	318	340	4	2	4	213	0.09	< 10	< 10	1250	< 10	332
313293	205	226	84	< 0.01	217	380	6	< 2	4	208	0.12	< 10	10	1710	< 10	188
313294	205	226	70	< 0.01	239	370	6	< 2	4	291	0.12	< 10	< 10	2020	< 10	378
313295	205	226	4	< 0.01	34	10	< 2	2	1	4730	< 0.01	< 10	< 10	46	< 10	96
313296	205	226	37	< 0.01	113	330	< 2	< 2	3	1545	0.05	< 10	< 10	745	< 10	332
313297	205	226	59	< 0.01	146	320	< 2	< 2	3	259	0.10	< 10	< 10	1225	< 10	160
313298	205	226	93	< 0.01	238	360	4	< 2	4	539	0.11	< 10	10	1140	< 10	140
313299	205	226	50	< 0.01	154	1260	4	2	3	979	0.06	< 10	< 10	1620	< 10	1765
313300	205	226	66	< 0.01	237	1420	8	< 2	5	726	0.06	< 10	< 10	2490	< 10	3440
313301	205	226	59	< 0.01	200	1080	4	4	3	454	0.05	< 10	< 10	2060	< 10	5620
313302	205	226	35	< 0.01	157	530	< 2	< 2	3	486	0.05	< 10	< 10	1590	< 10	3630

CERTIFICATION: Hank Ficklin

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :2-A
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :I9824017
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824017

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
313303	205	226	< 5	1.4	0.40	26	100	0.5	< 2	6.64	31.5	2	153	52	0.56	< 10	< 1	0.11	< 10	0.26	40
313304	205	226	< 5	< 0.2	0.05	< 2	610	0.5	< 2	>15.00	1.0	< 1	13	2	0.04	< 10	< 1	< 0.01	< 10	9.68	90
313305	205	226	< 5	1.8	0.42	34	90	0.5	2	5.24	34.0	2	145	103	0.71	< 10	1	0.12	< 10	0.26	40
313306	205	226	< 5	1.6	0.50	26	130	0.5	< 2	6.26	31.0	3	142	66	0.68	< 10	< 1	0.12	10	0.62	65
313307	205	226	< 5	1.6	0.39	26	280	0.5	2	5.54	30.5	4	124	78	0.60	< 10	< 1	0.11	10	0.23	60

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :2-B
Total Pages :2
Certificate Date: 16-JUL-98
Invoice No. :19824017
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824017

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
313303	205	226	52	< 0.01	139	730	2	< 2	3	512	0.04	< 10	< 10	1685	< 10	1840
313304	205	226	< 1	< 0.01	1	140	10	< 2	< 1	111	< 0.01	10	< 10	34	< 10	76
313305	205	226	60	< 0.01	146	630	6	2	4	496	0.05	< 10	< 10	2170	< 10	1840
313306	205	226	48	< 0.01	168	600	6	2	4	590	0.04	< 10	< 10	1870	< 10	1730
313307	205	226	41	< 0.01	212	460	2	2	3	602	0.03	< 10	< 10	1775	< 10	2080

CERTIFICATION: Jack Bible

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
V6B 1N2

A9824550

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824550

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	53	Geochem ring to approx 150 mesh
226	53	0-3 Kg crush and split
3202	53	Rock - save entire reject
299	3	Pulp; prepped on other workorder
229	56	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	56	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	56	Ba %: XRF	XRF	0.01	100.0
2118	56	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	56	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	56	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	56	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	56	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	56	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	56	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	56	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	56	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	56	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	56	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	56	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	56	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	56	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	56	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	56	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	56	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	56	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	56	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	56	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	56	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	56	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	56	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	56	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	56	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	56	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	56	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	56	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	56	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	56	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	56	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	56	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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 2
Certificate Date: 28-JUL-98
Invoice No. : I9824550
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824550

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313442	205	226	< 5	41.1	< 0.2	0.17	10	>10000	< 0.5	< 2	3.36	6.0	4	20	11	0.44	< 10	1	0.03	< 10	0.22
313443	205	226	< 5	24.9	0.8	0.29	324	>10000	< 0.5	< 2	9.66	12.0	13	32	47	2.23	< 10	< 1	0.04	< 10	0.43
313444	205	226	< 5	3.87	0.2	0.12	12	>10000	< 0.5	6	>15.00	1.5	< 1	26	29	0.16	< 10	< 1	0.02	< 10	0.61
313445	205	226	< 5	1.75	0.2	0.31	24	180	< 0.5	< 2	9.02	3.5	3	105	33	0.79	< 10	< 1	0.08	< 10	0.20
313446	205	226	< 5	0.56	0.2	0.30	20	180	< 0.5	2	5.91	5.5	4	121	31	0.75	< 10	< 1	0.08	< 10	0.12
313447	205	226	< 5	0.39	0.4	0.35	18	170	0.5	< 2	5.61	3.0	3	108	43	0.85	< 10	< 1	0.09	< 10	0.17
313448	205	226	< 5	0.34	0.2	0.37	20	190	0.5	< 2	5.20	2.5	3	111	42	0.82	< 10	< 1	0.10	< 10	0.19
313449	205	226	< 5	0.34	0.4	0.37	26	170	0.5	< 2	5.64	3.0	3	97	54	0.93	< 10	1	0.10	< 10	0.16
313450	205	226	< 5	0.36	0.2	0.47	22	260	0.5	< 2	5.86	3.0	3	107	53	0.81	< 10	< 1	0.11	< 10	0.46
313451	205	226	< 5	0.36	0.2	0.40	18	220	0.5	< 2	6.51	4.0	3	92	39	0.75	< 10	< 1	0.09	< 10	0.70
313452	205	226	< 5	0.44	< 0.2	0.35	14	320	0.5	< 2	8.63	3.0	3	76	41	0.60	< 10	1	0.08	< 10	0.68
313453	205	226	< 5	0.74	0.4	0.38	20	240	0.5	2	5.68	5.5	3	98	39	0.70	< 10	< 1	0.09	10	0.20
313453DUP	299	229	< 5	0.75	0.2	0.40	18	160	0.5	2	6.03	6.0	3	103	42	0.74	< 10	< 1	0.10	10	0.21
313454	205	226	< 5	0.28	0.6	0.38	20	280	0.5	< 2	5.44	5.0	3	105	49	0.73	< 10	< 1	0.10	< 10	0.19
313455	205	226	< 5	0.31	0.6	0.65	30	170	0.5	< 2	6.97	6.5	5	90	41	0.99	< 10	< 1	0.15	< 10	0.96
313456	205	226	< 5	0.31	0.6	0.46	26	170	0.5	< 2	3.85	4.0	4	99	45	0.97	< 10	< 1	0.12	10	0.15
313457	205	226	< 5	0.32	0.4	0.52	24	140	0.5	< 2	4.19	3.5	4	90	40	0.89	< 10	< 1	0.13	10	0.37
313458	205	226	< 5	0.27	0.6	0.58	10	180	0.5	< 2	6.52	3.0	3	94	37	0.74	< 10	< 1	0.12	< 10	1.39
313459	205	226	< 5	0.29	0.6	0.51	30	110	0.5	< 2	4.38	4.5	4	98	52	0.87	< 10	< 1	0.13	10	0.18
313460	205	226	< 5	0.33	0.6	0.51	22	120	0.5	< 2	4.72	5.0	4	126	77	0.88	< 10	2	0.13	10	0.17
313461	205	226	< 5	0.81	0.8	0.68	30	90	0.5	< 2	4.71	8.0	5	130	46	1.19	< 10	< 1	0.18	10	0.23
313462	205	226	< 5	0.77	0.6	0.57	28	80	0.5	< 2	3.57	4.0	4	148	35	1.13	< 10	< 1	0.16	10	0.24
313463	205	226	< 5	0.04	< 0.2	0.03	< 2	300	< 0.5	4	>15.00	< 0.5	< 1	16	< 1	0.02	< 10	< 1	< 0.01	< 10	9.87
313464	205	226	< 5	0.49	0.6	0.58	28	80	1.0	< 2	2.84	5.0	5	151	42	1.25	< 10	< 1	0.16	10	0.23
313465	205	226	< 5	0.98	0.8	0.64	32	100	1.0	< 2	5.66	3.5	5	118	49	1.27	< 10	< 1	0.15	10	0.72
313466	205	226	< 5	0.31	0.8	0.50	26	140	1.0	< 2	2.34	5.5	5	168	58	1.04	< 10	< 1	0.15	10	0.22
313467	205	226	< 5	0.78	1.0	0.54	34	110	0.5	< 2	3.09	27.5	8	158	63	1.25	< 10	< 1	0.12	< 10	0.31
313468	205	226	< 5	0.39	1.2	0.56	36	90	0.5	< 2	4.15	42.5	4	141	104	0.95	< 10	< 1	0.14	< 10	0.28
313469	205	226	< 5	0.85	1.4	1.38	40	130	1.0	< 2	0.92	109.0	18	184	91	2.18	< 10	< 1	0.13	10	0.33
313470	205	226	< 5	0.27	2.2	0.57	36	130	0.5	< 2	2.89	72.5	5	196	125	0.81	< 10	< 1	0.13	< 10	0.15
313471	205	226	< 5	0.46	1.4	0.50	32	120	0.5	< 2	3.88	54.5	5	179	58	0.77	< 10	1	0.12	< 10	0.18
313472	205	226	< 5	0.32	1.6	0.62	32	110	0.5	< 2	4.23	61.5	7	168	82	0.95	< 10	< 1	0.13	10	0.19
313473	205	226	< 5	0.32	1.6	1.70	36	240	1.5	< 2	0.49	129.0	24	245	110	2.47	< 10	< 1	0.09	10	0.14
313473DUP	299	229	< 5	0.32	1.6	1.68	46	230	1.5	< 2	0.49	128.0	23	239	110	2.46	< 10	< 1	0.09	10	0.13
313474	205	226	< 5	0.29	1.6	0.41	28	180	0.5	< 2	2.59	59.5	6	236	83	0.90	< 10	1	0.10	10	0.12
313475	205	226	< 5	0.31	1.6	0.47	38	150	0.5	< 2	2.46	59.5	5	254	124	0.78	< 10	< 1	0.12	10	0.15
313476	205	226	< 5	0.19	1.0	0.39	20	550	< 0.5	< 2	6.47	30.5	3	152	68	0.52	< 10	< 1	0.08	< 10	2.19
313477	205	226	< 5	0.24	2.0	0.52	38	160	0.5	< 2	4.84	60.5	6	163	90	0.86	< 10	< 1	0.14	10	0.34
313478	205	226	< 5	0.23	1.8	0.47	30	220	0.5	< 2	4.36	46.5	6	148	87	0.86	< 10	< 1	0.12	10	0.38
313479	205	226	< 5	0.38	2.4	0.52	36	110	0.5	< 2	5.98	56.0	7	149	112	0.87	< 10	< 1	0.11	10	0.21

CERTIFICATION: Stewart Bidlake

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :2
Certificate Date: 28-JUL-98
Invoice No. :I9824550
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824550

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
313442	205	226	50	22	< 0.01	371	310	< 2	< 2	< 1	3300	< 0.01	< 10	< 10	87	< 10	466
313443	205	226	55	210	< 0.01	2490	820	4	< 2	1	3910	0.03	30	10	464	< 10	1640
313444	205	226	80	13	< 0.01	76	330	4	< 2	< 1	1735	< 0.01	< 10	10	229	< 10	230
313445	205	226	50	74	< 0.01	265	380	2	< 2	2	631	0.03	< 10	< 10	868	< 10	364
313446	205	226	55	54	< 0.01	213	330	2	2	2	739	0.01	< 10	10	679	< 10	426
313447	205	226	45	70	< 0.01	216	310	2	2	3	806	0.01	< 10	< 10	691	< 10	330
313448	205	226	40	62	< 0.01	204	420	4	2	3	714	< 0.01	< 10	< 10	716	< 10	294
313449	205	226	40	63	< 0.01	209	370	2	2	3	770	< 0.01	< 10	10	799	< 10	308
313450	205	226	50	62	< 0.01	188	670	4	2	3	638	< 0.01	< 10	10	835	< 10	308
313451	205	226	60	64	0.01	191	320	2	< 2	2	537	< 0.01	< 10	< 10	719	< 10	356
313452	205	226	50	47	0.01	164	270	2	2	2	749	< 0.01	< 10	< 10	609	< 10	250
313453	205	226	40	52	< 0.01	177	270	2	2	2	626	< 0.01	< 10	< 10	871	< 10	394
313453DUP	299	229	45	54	< 0.01	182	290	< 2	< 2	3	604	< 0.01	< 10	< 10	921	< 10	424
313454	205	226	45	62	< 0.01	194	400	6	2	3	738	< 0.01	< 10	< 10	1030	< 10	484
313455	205	226	100	61	< 0.01	200	340	2	< 2	3	754	< 0.01	< 10	< 10	1095	< 10	656
313456	205	226	50	60	< 0.01	185	410	6	2	3	464	< 0.01	< 10	< 10	1075	< 10	430
313457	205	226	55	57	< 0.01	179	280	2	2	3	379	< 0.01	< 10	< 10	997	< 10	332
313458	205	226	75	50	0.01	156	390	6	2	3	700	< 0.01	< 10	< 10	946	< 10	300
313459	205	226	40	66	< 0.01	205	480	8	2	3	632	< 0.01	< 10	< 10	1320	< 10	458
313460	205	226	45	66	< 0.01	209	360	8	2	3	685	0.01	< 10	< 10	1430	< 10	538
313461	205	226	75	94	< 0.01	290	660	8	4	4	651	0.05	< 10	10	1825	< 10	658
313462	205	226	70	60	< 0.01	188	320	6	2	4	475	0.04	< 10	10	1420	< 10	384
313463	205	226	100	< 1	0.01	< 1	70	8	2	< 1	109	< 0.01	< 10	< 10	4	< 10	24
313464	205	226	80	81	< 0.01	220	320	10	2	4	350	0.02	< 10	< 10	1315	< 10	536
313465	205	226	105	91	< 0.01	269	640	8	4	5	536	0.02	< 10	10	875	< 10	366
313466	205	226	65	105	< 0.01	291	290	6	4	4	308	0.04	< 10	< 10	1700	< 10	586
313467	205	226	150	85	< 0.01	326	410	8	6	4	342	0.04	< 10	< 10	1725	< 10	1865
313468	205	226	70	66	< 0.01	232	480	8	2	4	511	0.04	< 10	< 10	2140	< 10	3160
313469	205	226	345	87	< 0.01	700	760	6	2	5	140	0.05	< 10	10	2060	< 10	5860
313470	205	226	70	48	< 0.01	241	960	10	4	4	417	0.03	< 10	< 10	2610	< 10	4160
313471	205	226	85	44	< 0.01	236	760	8	4	3	548	0.04	< 10	< 10	2290	< 10	3480
313472	205	226	105	63	< 0.01	334	1150	4	2	4	570	0.05	< 10	< 10	2610	< 10	3600
313473	205	226	450	81	< 0.01	759	2310	4	4	5	181	0.04	< 10	10	2570	< 10	7140
313473DUP	299	229	450	81	< 0.01	750	2300	6	6	5	178	0.04	< 10	10	2550	< 10	7110
313474	205	226	120	49	< 0.01	261	1500	8	4	3	306	0.04	< 10	< 10	2330	< 10	4210
313475	205	226	75	53	< 0.01	227	830	2	6	3	238	0.05	< 10	< 10	2790	< 10	3890
313476	205	226	130	39	0.01	171	420	2	6	2	550	0.03	< 10	< 10	1515	< 10	2150
313477	205	226	95	56	< 0.01	282	2600	6	10	4	473	0.06	< 10	< 10	2730	< 10	3820
313478	205	226	105	48	< 0.01	245	860	8	8	4	490	0.06	< 10	< 10	2340	< 10	3150
313479	205	226	135	54	< 0.01	293	770	6	8	4	658	0.05	< 10	< 10	2260	< 10	3400

CERTIFICATION: Jan Bidlo

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 28-JUL-98
Invoice No. :I9824550
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824550

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313480	205	226	< 5	0.35	2.4	0.46	40	140	0.5	< 2	5.50	45.5	7	127	93	1.09	< 10	< 1	0.12	10	0.31
313481	205	226	< 5	0.26	2.0	0.38	30	230	0.5	< 2	5.30	34.5	3	112	76	0.63	< 10	< 1	0.11	10	0.23
313482	205	226	< 5	0.23	2.4	0.35	30	220	0.5	< 2	5.16	36.0	2	130	83	0.60	< 10	< 1	0.10	10	0.16
313483	205	226	< 5	< 0.01	0.2	< 0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.01	< 10	< 1	< 0.01	< 10	10.10
313484	205	226	< 5	0.23	2.4	0.42	34	270	0.5	< 2	4.87	40.0	5	145	81	0.85	< 10	< 1	0.11	10	0.24
313485	205	226	10	0.27	2.8	0.48	40	280	0.5	< 2	4.25	48.0	9	144	101	1.12	< 10	< 1	0.12	10	0.31
313486	205	226	< 5	0.22	2.4	0.34	30	330	0.5	< 2	4.01	28.5	4	162	82	0.74	< 10	< 1	0.10	< 10	0.15
313487	205	226	10	0.23	1.8	0.33	26	300	0.5	< 2	3.58	21.0	3	158	58	0.66	< 10	< 1	0.09	< 10	0.15
313488	205	226	< 5	0.23	1.6	0.44	34	180	0.5	< 2	4.37	12.0	5	155	51	1.06	< 10	< 1	0.12	10	0.34
313489	205	226	< 5	0.34	1.6	0.54	32	170	1.0	< 2	5.17	27.5	10	127	69	1.37	< 10	< 1	0.13	< 10	0.43
313490	205	226	< 5	0.32	2.2	0.79	32	130	1.5	< 2	5.02	22.0	7	180	76	1.29	< 10	< 1	0.22	10	1.36
313491	205	226	10	0.42	2.6	0.62	32	150	1.5	< 2	6.52	34.0	6	178	121	1.07	< 10	< 1	0.18	10	0.54
313492	205	226	< 5	0.50	2.8	0.69	26	160	1.5	< 2	4.14	16.5	7	217	98	1.42	< 10	< 1	0.20	10	1.27
313493	205	226	< 5	0.53	2.2	0.56	26	110	1.0	< 2	2.96	16.0	9	216	94	1.50	< 10	< 1	0.16	< 10	1.19
313493DUP	299	229	< 5	0.53	2.4	0.59	30	130	1.0	< 2	3.11	17.5	9	230	100	1.60	< 10	< 1	0.17	< 10	1.26
313494	205	226	10	0.54	2.4	0.55	36	80	1.0	< 2	2.78	20.5	10	221	82	1.62	< 10	< 1	0.16	< 10	1.17

CERTIFICATION: Stewart Bidlake

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: [redacted]TY EN[redacted]ERIN[redacted].

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

[redacted] Page Numb[redacted]2-B
Total Pages :2
Certificate Date: 28-JUL-98
Invoice No. :I9824550
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824550

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
313480	205	226	175	58	0.02	265	840	8	6	5	596	0.06	< 10	10	2570	< 10	3060
313481	205	226	50	55	0.01	191	970	8	6	4	641	0.06	< 10	10	2310	< 10	2250
313482	205	226	50	65	0.01	192	760	8	6	4	607	0.05	< 10	10	2210	< 10	2330
313483	205	226	80	< 1	0.02	< 1	< 10	12	< 2	< 1	98	< 0.01	< 10	< 10	6	< 10	16
313484	205	226	110	50	0.01	205	640	8	6	4	510	0.05	< 10	< 10	2250	< 10	2670
313485	205	226	175	46	0.01	267	850	8	8	5	491	0.05	< 10	10	2240	< 10	2910
313486	205	226	80	45	0.01	180	620	6	6	4	495	0.04	< 10	< 10	1940	< 10	2040
313487	205	226	55	56	0.01	184	570	6	4	4	395	0.03	< 10	< 10	1670	< 10	1790
313488	205	226	60	113	0.01	326	970	8	4	4	367	0.05	< 10	10	1520	< 10	1230
313489	205	226	215	63	0.01	296	1120	8	2	4	451	0.05	< 10	10	1630	< 10	2400
313490	205	226	120	34	< 0.01	212	2670	10	6	5	530	0.05	< 10	10	1785	< 10	1485
313491	205	226	85	54	< 0.01	260	1330	12	4	4	579	0.05	< 10	10	2020	< 10	2230
313492	205	226	125	29	< 0.01	213	2510	8	6	6	374	0.03	< 10	10	1230	< 10	1195
313493	205	226	190	17	0.01	226	1650	6	4	5	263	0.01	< 10	10	782	< 10	1465
313493DUP	299	229	200	18	0.01	229	1770	6	4	6	282	0.01	< 10	10	824	< 10	1565
313494	205	226	200	20	0.01	262	920	6	2	6	199	0.01	< 10	< 10	780	< 10	1545

CERTIFICATION: Ian Bidle

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

A9824551

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824551

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 27-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	56	Geochem ring to approx 150 mesh
226	56	0-3 Kg crush and split
3202	56	Rock - save entire reject
299	3	Pulp; prepped on other workorder
229	59	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	59	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	59	Ba %: XRF	XRF	0.01	100.0
2118	59	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	59	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	59	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	59	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	59	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	59	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	59	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	59	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	59	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	59	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	59	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	59	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	59	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	59	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	59	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	59	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	59	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	59	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	59	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	59	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	59	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	59	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	59	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	59	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	59	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	59	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	59	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	59	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	59	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	59	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	59	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	59	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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VANCOUVER, BC
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :2
Certificate Date: 27-JUL-98
Invoice No. :I9824551
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824551

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313386	205	226	< 5	0.33	0.2	0.45	30	1100	< 0.5	< 2	0.11	< 0.5	< 1	131	12	0.74	< 10	< 1	0.15	10	0.07
313387	205	226	< 5	0.36	0.2	0.53	20	430	< 0.5	< 2	0.60	1.5	1	147	37	1.11	< 10	< 1	0.16	< 10	0.14
313388	205	226	< 5	0.48	0.2	0.57	22	230	< 0.5	< 2	1.60	6.5	6	113	39	1.21	< 10	< 1	0.16	< 10	0.21
313389	205	226	10	0.47	0.2	0.72	22	110	0.5	< 2	2.48	6.5	5	127	102	1.16	< 10	< 1	0.19	< 10	0.55
313390	205	226	< 5	0.46	< 0.2	0.42	20	140	< 0.5	< 2	1.96	3.5	4	145	41	1.04	< 10	< 1	0.13	< 10	0.14
313391	205	226	< 5	0.53	0.2	0.53	18	200	< 0.5	< 2	1.88	5.0	4	132	57	1.08	< 10	< 1	0.15	< 10	0.27
313392	205	226	< 5	0.71	0.2	0.63	24	110	0.5	< 2	1.59	5.5	6	142	43	1.40	< 10	< 1	0.18	< 10	0.18
313393	205	226	< 5	0.77	0.2	0.53	22	170	< 0.5	< 2	1.25	6.5	5	153	38	1.23	< 10	< 1	0.15	< 10	0.12
313394	205	226	< 5	1.24	< 0.2	0.81	20	70	0.5	< 2	2.26	6.5	5	126	66	1.26	< 10	< 1	0.18	< 10	0.15
313395	205	226	< 5	1.06	0.2	0.79	22	80	0.5	< 2	1.66	6.0	4	131	55	1.21	< 10	< 1	0.18	< 10	0.13
313396	205	226	< 5	1.02	0.2	0.73	20	170	0.5	< 2	1.83	7.0	5	123	42	1.21	< 10	< 1	0.17	< 10	0.12
313397	205	226	10	0.90	0.2	0.63	18	150	0.5	< 2	2.03	6.5	5	136	40	1.19	< 10	< 1	0.17	< 10	0.12
313397DUP	299	229	15	0.89	0.2	0.63	18	130	0.5	< 2	1.92	6.5	5	132	40	1.17	< 10	< 1	0.16	< 10	0.12
313398	205	226	10	1.06	0.2	0.71	20	120	< 0.5	< 2	1.72	7.0	5	173	51	1.27	< 10	< 1	0.17	< 10	0.12
313399	205	226	< 5	0.84	0.2	0.53	18	130	< 0.5	< 2	1.87	7.5	5	141	69	1.10	< 10	< 1	0.14	< 10	0.11
313400	205	226	< 5	0.58	0.2	0.44	16	200	0.5	< 2	1.98	8.5	5	151	34	1.14	< 10	< 1	0.13	< 10	0.35
313401	205	226	< 5	0.78	0.8	0.65	22	160	1.5	< 2	5.00	23.5	9	96	85	1.68	< 10	< 1	0.18	< 10	1.16
313402	205	226	< 5	0.33	< 0.2	0.27	12	280	0.5	< 2	4.83	3.5	3	100	31	0.70	< 10	< 1	0.08	< 10	0.11
313403	205	226	20	0.44	< 0.2	0.31	10	270	0.5	< 2	6.14	3.5	3	81	38	0.69	< 10	< 1	0.09	< 10	0.15
313404	205	226	10	0.44	< 0.2	0.27	10	300	0.5	< 2	4.02	3.5	2	95	34	0.65	< 10	< 1	0.08	< 10	0.11
313405	205	226	< 5	0.73	< 0.2	0.30	4	200	0.5	< 2	5.25	4.5	5	94	52	0.71	< 10	< 1	0.08	< 10	0.14
313406	205	226	15	0.55	< 0.2	0.29	10	230	0.5	< 2	5.12	3.5	5	83	34	0.83	< 10	< 1	0.08	< 10	0.14
313407	205	226	10	12.55	< 0.2	0.20	10	>10000	< 0.5	< 2	8.81	13.0	4	55	20	0.46	< 10	< 1	0.06	< 10	0.20
313408	205	226	10	0.03	0.2	0.01	< 2	130	< 0.5	< 2	>15.00	< 0.5	3	< 1	< 1	0.02	< 10	< 1	< 0.01	< 10	9.33
313409	205	226	15	3.29	0.2	0.33	10	140	0.5	< 2	7.75	3.0	4	84	30	0.81	< 10	< 1	0.09	< 10	0.23
313410	205	226	< 5	41.0	< 0.2	0.03	2	>10000	< 0.5	< 2	0.52	15.0	3	13	5	0.23	< 10	< 1	< 0.01	< 10	0.15
313411	205	226	10	44.1	< 0.2	0.03	4	>10000	< 0.5	< 2	0.87	13.5	3	18	8	0.37	< 10	< 1	< 0.01	< 10	0.45
313412	205	226	< 5	40.3	< 0.2	0.05	8	>10000	< 0.5	< 2	3.10	12.5	5	12	8	0.50	< 10	< 1	< 0.01	< 10	1.77
313413	205	226	< 5	44.5	< 0.2	0.03	12	>10000	< 0.5	< 2	1.66	5.5	3	10	4	0.24	< 10	< 1	< 0.01	< 10	0.85
313414	205	226	15	45.5	< 0.2	0.03	10	5970	< 0.5	< 2	0.92	2.0	2	7	3	0.20	< 10	< 1	< 0.01	< 10	0.38
313415	205	226	< 5	47.4	< 0.2	0.13	8	780	< 0.5	< 2	0.19	1.5	2	13	4	0.37	< 10	< 1	< 0.01	< 10	0.01
313416	205	226	< 5	47.0	< 0.2	0.03	8	1670	< 0.5	< 2	0.20	0.5	< 1	14	2	0.10	< 10	< 1	< 0.01	< 10	0.01
313417	205	226	10	43.7	< 0.2	0.06	6	770	< 0.5	< 2	0.05	0.5	< 1	29	8	0.19	< 10	< 1	0.01	< 10	< 0.01
313417DUP	299	229	< 5	43.7	< 0.2	0.06	4	820	< 0.5	< 2	0.05	0.5	2	28	9	0.21	< 10	< 1	0.01	< 10	< 0.01
313418	205	226	10	50.5	< 0.2	0.07	6	740	< 0.5	< 2	0.15	0.5	1	12	5	0.30	< 10	< 1	< 0.01	< 10	< 0.01
313419	205	226	10	41.7	< 0.2	0.03	8	2520	< 0.5	< 2	1.40	2.0	2	6	3	0.11	< 10	< 1	< 0.01	< 10	0.56
313420	205	226	< 5	53.4	< 0.2	0.01	8	1980	< 0.5	< 2	0.27	1.0	< 1	5	1	0.10	< 10	< 1	< 0.01	< 10	0.02
313421	205	226	< 5	54.1	< 0.2	0.03	10	1130	< 0.5	< 2	0.35	0.5	1	4	3	0.15	< 10	< 1	< 0.01	< 10	0.01
313422	205	226	< 5	49.4	< 0.2	0.01	2	>10000	< 0.5	< 2	2.27	5.5	2	3	1	0.07	< 10	< 1	< 0.01	< 10	0.07
313423	205	226	< 5	39.8	< 0.2	< 0.01	4	>10000	< 0.5	< 2	5.83	16.5	2	1	< 1	0.06	< 10	< 1	< 0.01	< 10	0.07

CERTIFICATION: Stewart Bielle

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 : BLK98-03
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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
313386	205	226	5	42	< 0.01	32	230	4	< 2	2	66	< 0.01	< 10	< 10	486	< 10	56
313387	205	226	15	48	< 0.01	50	320	4	< 2	3	101	< 0.01	< 10	< 10	537	< 10	164
313388	205	226	70	44	0.01	152	460	4	< 2	3	217	< 0.01	< 10	< 10	587	< 10	616
313389	205	226	85	51	< 0.01	153	330	6	< 2	4	330	< 0.01	< 10	< 10	789	< 10	498
313390	205	226	55	51	< 0.01	136	360	4	< 2	3	301	< 0.01	< 10	< 10	522	< 10	292
313391	205	226	60	47	< 0.01	124	200	6	< 2	4	261	< 0.01	< 10	< 10	602	< 10	410
313392	205	226	80	60	0.01	174	710	6	< 2	3	252	< 0.01	< 10	< 10	701	< 10	512
313393	205	226	65	57	< 0.01	143	280	4	< 2	3	209	< 0.01	< 10	< 10	629	< 10	536
313394	205	226	60	61	< 0.01	151	500	4	< 2	3	297	0.01	< 10	< 10	781	< 10	520
313395	205	226	50	56	< 0.01	140	780	6	< 2	4	218	< 0.01	< 10	< 10	860	< 10	488
313396	205	226	65	54	< 0.01	150	440	6	< 2	4	237	< 0.01	< 10	< 10	749	< 10	610
313397	205	226	60	53	0.01	137	320	6	< 2	3	217	< 0.01	< 10	< 10	682	< 10	524
313397DUP	299	229	60	53	< 0.01	141	310	6	< 2	3	222	< 0.01	< 10	< 10	682	< 10	554
313398	205	226	65	53	0.01	143	260	6	< 2	3	257	< 0.01	< 10	< 10	685	< 10	626
313399	205	226	60	48	< 0.01	126	170	4	< 2	3	329	< 0.01	< 10	< 10	571	< 10	604
313400	205	226	75	42	0.01	111	290	6	< 2	3	288	< 0.01	< 10	< 10	541	< 10	692
313401	205	226	220	46	0.01	171	600	12	2	5	667	0.01	< 10	10	901	< 10	1720
313402	205	226	55	61	0.01	164	290	6	< 2	3	720	< 0.01	< 10	10	624	< 10	306
313403	205	226	75	63	< 0.01	177	230	6	< 2	3	902	< 0.01	< 10	< 10	763	< 10	370
313404	205	226	50	55	< 0.01	149	170	4	< 2	2	625	< 0.01	< 10	< 10	702	< 10	360
313405	205	226	75	58	< 0.01	182	300	6	< 2	3	815	< 0.01	< 10	< 10	761	< 10	556
313406	205	226	75	73	0.01	222	190	6	< 2	3	738	< 0.01	< 10	< 10	705	< 10	418
313407	205	226	55	33	< 0.01	126	250	4	< 2	1	1620	< 0.01	< 10	< 10	625	< 10	202
313408	205	226	105	< 1	0.02	< 1	< 10	10	< 2	< 1	106	< 0.01	< 10	< 10	2	< 10	14
313409	205	226	70	64	< 0.01	205	830	6	< 2	3	445	< 0.01	< 10	10	989	< 10	422
313410	205	226	20	15	< 0.01	128	310	< 2	< 2	< 1	1445	< 0.01	< 10	< 10	69	< 10	58
313411	205	226	55	27	< 0.01	172	100	< 2	< 2	1	1300	< 0.01	< 10	< 10	103	< 10	70
313412	205	226	125	29	< 0.01	151	60	< 2	< 2	1	1520	< 0.01	< 10	< 10	122	< 10	82
313413	205	226	75	13	< 0.01	87	100	< 2	< 2	< 1	735	< 0.01	< 10	< 10	64	< 10	104
313414	205	226	40	10	< 0.01	65	50	< 2	< 2	< 1	357	< 0.01	< 10	< 10	78	< 10	74
313415	205	226	25	8	< 0.01	46	80	< 2	< 2	< 1	125	< 0.01	< 10	< 10	102	< 10	350
313416	205	226	< 5	8	< 0.01	10	30	< 2	< 2	< 1	125	< 0.01	< 10	< 10	103	< 10	24
313417	205	226	< 5	14	< 0.01	12	40	< 2	< 2	< 1	111	< 0.01	< 10	< 10	183	< 10	38
313417DUP	299	229	< 5	14	< 0.01	13	40	< 2	< 2	< 1	110	< 0.01	< 10	< 10	195	< 10	42
313418	205	226	5	7	< 0.01	19	100	< 2	< 2	< 1	150	< 0.01	< 10	< 10	113	< 10	84
313419	205	226	65	5	< 0.01	32	50	< 2	< 2	< 1	348	< 0.01	< 10	< 10	98	< 10	172
313420	205	226	10	4	< 0.01	22	50	< 2	< 2	< 1	222	< 0.01	< 10	< 10	71	< 10	78
313421	205	226	5	6	< 0.01	20	50	< 2	< 2	< 1	86	< 0.01	< 10	< 10	77	< 10	94
313422	205	226	15	4	< 0.01	25	120	< 2	< 2	< 1	494	< 0.01	< 10	< 10	41	< 10	72
313423	205	226	25	2	< 0.01	14	140	< 2	< 2	< 1	4230	< 0.01	< 10	< 10	21	< 10	104

CERTIFICATION: _____

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313424	205	226	< 5	45.6	< 0.2	0.01	14	>10000	< 0.5	< 2	3.59	13.5	2	6	5	0.08	< 10	< 1	< 0.01	< 10	0.09
313425	205	226	< 5	54.6	< 0.2	0.02	4	8010	< 0.5	< 2	0.49	3.5	3	4	2	0.28	< 10	< 1	< 0.01	< 10	0.02
313426	205	226	< 5	36.3	< 0.2	1.18	16	>10000	< 0.5	< 2	4.54	38.0	18	12	1	1.63	< 10	< 1	< 0.01	< 10	0.08
313427	205	226	< 5	45.2	< 0.2	0.03	10	>10000	< 0.5	< 2	5.15	22.5	4	7	1	0.20	< 10	< 1	< 0.01	< 10	0.30
313428	205	226	< 5	0.29	0.2	0.03	10	1480	< 0.5	< 2	>15.00	< 0.5	3	< 1	< 1	0.03	< 10	< 1	< 0.01	< 10	10.25
313429	205	226	10	52.4	< 0.2	0.01	12	>10000	< 0.5	< 2	1.82	9.5	2	4	1	0.11	< 10	< 1	< 0.01	< 10	0.06
313430	205	226	< 5	49.3	< 0.2	< 0.01	12	>10000	< 0.5	< 2	1.85	11.0	1	5	1	0.06	< 10	< 1	< 0.01	< 10	0.02
313431	205	226	< 5	54.1	< 0.2	0.01	6	6380	< 0.5	< 2	0.38	2.5	< 1	3	2	0.07	< 10	< 1	< 0.01	< 10	0.04
313432	205	226	< 5	51.2	< 0.2	0.01	4	>10000	< 0.5	< 2	0.92	9.5	2	5	3	0.07	< 10	< 1	< 0.01	< 10	0.04
313433	205	226	< 5	2.25	1.0	0.51	30	70	0.5	< 2	3.19	45.5	5	192	127	0.89	< 10	< 1	0.13	< 10	0.22
313434	205	226	< 5	0.95	1.0	0.60	34	80	0.5	< 2	2.65	63.0	8	167	101	1.06	< 10	< 1	0.12	< 10	0.24
313435	205	226	< 5	0.70	2.0	0.81	50	60	1.0	< 2	3.52	81.0	16	195	151	1.90	< 10	< 1	0.15	10	0.23
313436	205	226	< 5	0.42	2.4	0.61	46	90	1.0	< 2	5.51	80.5	8	206	168	1.10	< 10	< 1	0.12	10	0.17
313437	205	226	< 5	1.00	0.8	0.38	28	70	0.5	< 2	4.32	29.0	6	239	67	0.95	< 10	< 1	0.08	< 10	0.35
313437DUP	299	229	< 5	1.02	0.8	0.43	32	80	0.5	< 2	4.41	29.5	7	246	67	1.05	< 10	< 1	0.09	< 10	0.37
313438	205	226	15	0.68	0.8	0.47	24	80	0.5	< 2	6.14	31.5	4	180	82	0.80	< 10	< 1	0.10	< 10	0.59
313439	205	226	40	0.73	1.2	0.52	34	60	0.5	< 2	4.99	50.5	5	207	102	0.96	< 10	< 1	0.13	10	0.37
313440	205	226	< 5	0.51	1.2	0.46	36	90	0.5	< 2	3.71	60.0	4	233	141	0.79	< 10	< 1	0.12	< 10	0.24
313441	205	226	10	1.02	1.8	0.42	42	80	1.0	< 2	7.65	81.0	6	198	183	0.76	< 10	< 1	0.11	10	0.21

CERTIFICATION: Stewart Riddle

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313424	205	226	20	4	< 0.01	18	120	< 2	< 2	< 1	3410	< 0.01	< 10	< 10	52	< 10	172
313425	205	226	45	5	< 0.01	41	110	< 2	< 2	< 1	319	< 0.01	< 10	< 10	72	< 10	352
313426	205	226	445	9	< 0.01	236	690	2	< 2	< 1	4400	< 0.01	< 10	< 10	120	< 10	3390
313427	205	226	65	3	< 0.01	42	140	< 2	< 2	< 1	2140	< 0.01	< 10	< 10	84	< 10	650
313428	205	226	95	< 1	0.02	1	50	4	< 2	< 1	102	< 0.01	< 10	< 10	2	< 10	50
313429	205	226	20	3	< 0.01	25	90	< 2	< 2	< 1	1155	< 0.01	< 10	< 10	71	< 10	96
313430	205	226	5	3	< 0.01	13	110	< 2	< 2	< 1	1675	< 0.01	< 10	< 10	47	< 10	62
313431	205	226	5	3	< 0.01	15	70	< 2	< 2	< 1	327	< 0.01	< 10	< 10	52	< 10	78
313432	205	226	5	5	< 0.01	17	70	< 2	< 2	< 1	903	< 0.01	< 10	< 10	89	< 10	142
313433	205	226	55	68	0.01	231	380	6	< 2	4	273	0.03	< 10	10	2190	< 10	3060
313434	205	226	175	63	0.03	250	900	6	2	3	321	0.02	< 10	< 10	1975	< 10	4370
313435	205	226	395	93	0.04	413	3580	10	2	5	358	0.03	< 10	10	2510	< 10	6680
313436	205	226	200	78	0.03	330	1320	10	2	5	520	0.02	< 10	10	3020	< 10	5580
313437	205	226	105	71	0.01	221	600	6	< 2	4	578	0.06	< 10	< 10	1840	< 10	2360
313437DUP	299	229	105	82	0.01	239	750	8	< 2	4	598	0.07	< 10	10	2090	< 10	2390
313438	205	226	65	79	0.01	221	600	8	< 2	4	849	0.05	< 10	10	2060	< 10	2140
313439	205	226	65	101	0.01	265	500	10	< 2	5	694	0.05	< 10	10	2580	< 10	3280
313440	205	226	55	70	0.01	200	1720	8	< 2	4	514	0.03	< 10	< 10	2230	< 10	3680
313441	205	226	110	96	0.02	271	1410	10	< 2	5	942	0.04	< 10	10	2770	< 10	4930

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British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

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

A9824552

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824552

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	12	Geochem ring to approx 150 mesh
226	12	0-3 Kg crush and split
3202	12	Rock - save entire reject
299	1	Pulp; prepped on other workorder
229	13	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	13	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	13	Ba %: XRF	XRF	0.01	100.0
2118	13	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	13	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	13	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	13	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	13	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	13	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	13	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	13	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	13	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	13	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	13	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	13	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	13	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	13	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	13	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	13	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	13	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	13	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	13	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	13	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	13	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	13	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	13	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	13	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	13	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	13	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	13	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	13	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	13	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	13	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	13	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	13	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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: [redacted]UITY [redacted]NEER [redacted]TD. [redacted]

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

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Total Pages :1
Certificate Date: 28-JUL-98
Invoice No. :19824552
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824552

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313374	205	226	< 5	0.31	20.2	0.33	24	790	< 0.5	< 2	0.12	< 0.5	6	147	76	0.74	< 10	< 1	0.10	< 10	0.06
313375	205	226	< 5	0.33	0.6	0.58	18	240	< 0.5	< 2	1.53	2.5	1	110	33	0.93	< 10	< 1	0.14	< 10	0.70
313376	205	226	< 5	0.44	0.2	0.46	20	170	< 0.5	< 2	1.20	3.5	3	104	32	1.14	< 10	< 1	0.13	< 10	0.12
313377	205	226	< 5	0.51	< 0.2	0.53	20	70	< 0.5	< 2	1.53	4.0	5	104	33	1.20	< 10	< 1	0.14	< 10	0.19
313378	205	226	< 5	0.43	< 0.2	0.57	20	110	0.5	< 2	2.20	4.5	5	104	32	1.12	< 10	< 1	0.15	< 10	0.25
313379	205	226	< 5	0.56	0.2	0.44	20	110	< 0.5	< 2	1.94	4.0	5	85	39	1.12	< 10	< 1	0.12	< 10	0.14
313380	205	226	< 5	< 0.01	0.2	< 0.01	< 2	40	< 0.5	< 2	>15.00	< 0.5	< 1	< 1	< 1	0.02	< 10	< 1	< 0.01	< 10	10.10
313381	205	226	< 5	0.74	0.2	0.57	18	100	< 0.5	< 2	2.00	5.5	5	84	48	1.10	< 10	< 1	0.14	< 10	0.19
313382	205	226	10	1.14	0.2	0.82	22	60	0.5	< 2	1.51	5.0	5	97	49	1.30	< 10	< 1	0.17	< 10	0.19
313383	205	226	< 5	0.87	< 0.2	0.65	20	70	< 0.5	< 2	1.55	5.5	4	96	37	1.12	< 10	< 1	0.15	< 10	0.13
313383DUP	299	229	< 5	0.87	0.2	0.60	18	120	< 0.5	< 2	1.56	5.5	4	94	37	1.13	< 10	< 1	0.13	< 10	0.12
313384	205	226	< 5	0.81	< 0.2	0.50	18	160	< 0.5	< 2	2.33	4.5	4	117	77	1.04	< 10	< 1	0.10	< 10	0.12
313385	205	226	< 5	0.10	< 0.2	0.62	20	90	< 0.5	< 2	1.76	5.0	4	86	42	1.17	< 10	< 1	0.14	< 10	0.14

CERTIFICATION: Stewart Bickle

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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
313374	205	226	10	44	< 0.01	38	110	4	2	1	45	< 0.01	< 10	< 10	312	180	50
313375	205	226	45	35	< 0.01	61	280	6	< 2	3	173	< 0.01	< 10	< 10	581	< 10	178
313376	205	226	40	49	< 0.01	93	480	4	2	3	170	< 0.01	< 10	< 10	491	< 10	262
313377	205	226	55	60	< 0.01	161	830	4	< 2	3	216	< 0.01	< 10	< 10	556	< 10	330
313378	205	226	60	56	< 0.01	146	1050	4	< 2	3	328	< 0.01	< 10	< 10	579	< 10	340
313379	205	226	60	60	< 0.01	161	420	4	< 2	3	247	< 0.01	< 10	< 10	491	< 10	364
313380	205	226	100	< 1	0.01	< 1	< 10	6	< 2	< 1	98	< 0.01	< 10	< 10	3	< 10	10
313381	205	226	60	51	< 0.01	137	210	6	2	4	235	< 0.01	< 10	< 10	590	< 10	428
313382	205	226	50	59	< 0.01	145	610	6	< 2	4	173	< 0.01	< 10	< 10	741	< 10	376
313383	205	226	55	48	< 0.01	129	560	6	< 2	3	212	< 0.01	< 10	< 10	628	< 10	428
313383DUP	299	229	55	48	< 0.01	129	570	4	2	3	226	< 0.01	< 10	< 10	579	< 10	424
313384	205	226	55	55	< 0.01	146	700	2	< 2	3	336	< 0.01	< 10	< 10	507	< 10	332
313385	205	226	55	51	< 0.01	136	340	2	< 2	4	200	< 0.01	< 10	< 10	554	< 10	412

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207 - 675 W. HASTINGS ST.
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V6B 1N2

A9824557

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824557

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 28-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	70	Geochem ring to approx 150 mesh
226	70	0-3 Kg crush and split
3202	70	Rock - save entire reject
299	3	Pulp; prepped on other workorder
229	73	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	73	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
3551	73	Ba %: XRF	XRF	0.01	100.0
2118	73	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	73	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	73	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	73	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	73	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	73	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	73	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	73	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	73	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	73	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	73	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	73	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	73	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	73	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	73	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	73	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	73	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	73	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	73	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	73	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	73	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	73	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	73	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	73	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	73	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	73	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	73	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	73	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	73	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	73	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	73	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	73	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1-A
Total Pages :2
Certificate Date: 28-JUL-98
Invoice No. :19824557
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824557

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313495	205	226	15	0.41	0.4	0.38	24	1120	< 0.5	< 2	0.02	1.0	< 1	150	39	0.84	< 10	< 1	0.11	< 10	0.03
313496	205	226	< 5	0.42	0.6	0.48	22	1110	0.5	< 2	0.03	1.5	< 1	154	47	0.80	< 10	< 1	0.15	< 10	0.04
313497	205	226	< 5	0.39	0.6	1.93	34	1080	1.5	< 2	0.11	12.0	6	80	116	2.54	< 10	< 1	0.23	10	0.77
313498	205	226	365	0.48	0.2	0.35	32	1840	0.5	< 2	0.09	3.5	< 1	221	51	1.16	< 10	< 1	0.09	< 10	0.04
313499	205	226	< 5	0.65	0.4	0.49	38	2170	0.5	< 2	0.08	3.0	< 1	171	65	1.28	< 10	< 1	0.08	< 10	0.04
313500	205	226	< 5	0.98	0.4	0.70	48	2590	0.5	< 2	0.06	3.5	< 1	179	65	1.44	< 10	< 1	0.10	< 10	0.05
313501	205	226	15	0.63	0.2	0.36	34	1950	< 0.5	< 2	0.03	2.0	< 1	198	51	0.98	< 10	< 1	0.06	< 10	0.03
313502	205	226	< 5	0.60	0.6	0.61	10	1180	0.5	< 2	0.03	2.0	< 1	93	60	0.95	< 10	< 1	0.17	10	0.05
313503	205	226	10	0.49	0.6	0.67	32	1100	0.5	< 2	0.03	2.5	< 1	120	55	1.56	< 10	< 1	0.16	10	0.05
313504	205	226	< 5	0.59	1.4	0.50	20	280	0.5	< 2	0.05	2.0	1	147	61	1.60	< 10	< 1	0.22	10	0.05
313505	205	226	< 5	0.74	1.8	0.98	28	650	1.5	< 2	0.15	7.0	7	197	122	3.55	< 10	< 1	0.18	10	0.19
313506	205	226	20	1.20	1.4	1.60	56	2300	2.5	< 2	0.60	14.5	11	198	154	4.26	< 10	< 1	0.17	20	0.31
313506DUP	299	229	< 5	1.22	1.4	1.56	54	2300	2.5	< 2	0.59	14.5	11	192	151	4.17	< 10	< 1	0.17	10	0.30
313507	205	226	10	1.59	2.8	1.71	60	2670	3.0	< 2	0.67	16.5	12	202	177	5.02	< 10	< 1	0.17	20	0.42
313508	205	226	< 5	1.63	3.0	1.16	10	1560	0.5	< 2	1.18	9.0	1	154	137	0.95	< 10	< 1	0.17	10	0.16
313509	205	226	< 5	0.62	1.6	0.78	8	2080	1.0	< 2	0.22	10.5	< 1	133	194	0.74	< 10	< 1	0.17	10	0.09
313510	205	226	< 5	0.69	1.6	1.59	32	1370	2.0	< 2	0.36	14.5	< 1	186	182	1.76	< 10	< 1	0.21	10	0.15
313511	205	226	10	0.46	1.8	0.61	24	470	0.5	< 2	0.06	2.0	< 1	121	83	0.83	< 10	< 1	0.20	10	0.06
313512	205	226	< 5	0.46	1.2	0.92	30	760	1.5	< 2	0.19	5.5	1	130	83	1.65	< 10	< 1	0.19	10	0.18
313513	205	226	20	0.31	0.6	0.54	20	540	0.5	< 2	0.11	2.0	< 1	144	70	0.74	< 10	< 1	0.13	10	0.07
313514	205	226	< 5	0.28	0.8	0.46	10	810	0.5	< 2	0.12	2.0	< 1	169	34	0.48	< 10	< 1	0.12	10	0.06
313515	205	226	< 5	0.01	0.2	0.01	< 2	60	< 0.5	< 2	>15.00	< 0.5	< 1	1	< 1	0.03	< 10	< 1	< 0.01	< 10	9.97
313516	205	226	< 5	0.49	1.0	1.43	30	870	2.0	< 2	0.51	16.0	3	132	96	1.55	< 10	< 1	0.27	10	0.74
313517	205	226	15	0.55	0.6	1.99	50	1370	2.0	< 2	0.32	18.0	5	88	90	2.34	< 10	< 1	0.22	10	0.71
313518	205	226	10	0.38	0.8	0.52	26	910	0.5	< 2	0.13	3.5	< 1	192	54	1.05	< 10	< 1	0.14	10	0.09
313519	205	226	10	0.32	1.0	0.51	20	640	0.5	< 2	0.12	2.5	< 1	128	67	0.63	< 10	< 1	0.14	10	0.09
313520	205	226	< 5	0.38	0.8	0.74	26	880	1.0	< 2	0.35	10.0	1	116	102	1.49	< 10	< 1	0.13	< 10	0.19
313521	205	226	< 5	0.41	1.0	1.53	36	1020	2.0	< 2	0.62	29.0	6	138	143	2.19	< 10	< 1	0.22	20	0.46
313522	205	226	< 5	0.77	1.4	0.70	18	230	0.5	< 2	1.22	9.0	3	132	89	1.13	< 10	< 1	0.14	10	0.27
313523	205	226	< 5	0.98	0.6	0.55	24	620	0.5	< 2	0.08	1.5	< 1	234	121	0.84	< 10	< 1	0.14	10	0.06
313524	205	226	< 5	1.25	1.6	0.74	8	770	0.5	< 2	0.87	6.5	1	148	113	0.81	< 10	< 1	0.13	10	0.37
313525	205	226	< 5	3.08	3.4	1.18	24	840	0.5	< 2	1.41	7.0	< 1	156	120	1.31	< 10	< 1	0.18	10	0.25
313526	205	226	< 5	2.00	3.4	1.44	20	280	1.5	< 2	1.38	6.5	1	160	99	1.65	< 10	< 1	0.25	10	0.34
313526DUP	299	229	< 5	1.99	3.4	1.45	18	300	1.5	< 2	1.38	6.5	< 1	162	99	1.64	< 10	< 1	0.25	10	0.34
313527	205	226	< 5	1.80	3.4	1.15	16	140	1.0	< 2	1.67	8.5	1	163	87	1.63	< 10	< 1	0.24	10	0.37
313528	205	226	< 5	0.40	1.2	0.34	10	150	0.5	< 2	11.15	33.0	4	78	54	1.04	< 10	< 1	0.05	< 10	6.43
313529	205	226	< 5	0.91	2.4	0.74	18	80	1.0	< 2	4.78	19.0	4	152	70	1.64	< 10	< 1	0.17	< 10	1.93
313530	205	226	< 5	0.93	2.8	1.10	20	100	1.0	< 2	2.48	3.0	2	168	65	1.63	< 10	< 1	0.25	10	0.67
313531	205	226	< 5	0.87	2.4	0.79	20	100	1.0	< 2	2.39	14.5	4	179	173	1.55	< 10	< 1	0.19	10	0.57
313532	205	226	< 5	0.89	2.4	0.67	20	110	1.0	< 2	2.87	13.5	5	176	226	1.66	< 10	< 1	0.16	10	0.82

CERTIFICATION: Hart Biddle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 28-JUL-98
Invoice No. : 19824557
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824557

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
313495	205	226	10	31	< 0.01	32	190	4	2	1	80	< 0.01	< 10	< 10	513	< 10	94
313496	205	226	5	22	< 0.01	25	190	4	2	1	59	< 0.01	< 10	< 10	641	< 10	48
313497	205	226	15	37	0.01	438	420	8	< 2	6	112	< 0.01	< 10	< 10	1575	< 10	2040
313498	205	226	10	35	< 0.01	52	280	6	< 2	1	68	< 0.01	< 10	< 10	658	< 10	218
313499	205	226	5	42	< 0.01	67	380	4	< 2	2	64	0.02	< 10	< 10	892	< 10	360
313500	205	226	5	52	< 0.01	88	430	2	< 2	3	65	0.03	< 10	10	1090	< 10	362
313501	205	226	5	30	< 0.01	51	320	2	< 2	2	58	0.01	< 10	< 10	541	< 10	166
313502	205	226	5	18	< 0.01	27	300	6	< 2	2	97	< 0.01	< 10	< 10	602	< 10	116
313503	205	226	5	36	< 0.01	43	480	8	2	3	243	< 0.01	< 10	< 10	618	< 10	250
313504	205	226	5	24	< 0.01	36	660	8	2	4	149	< 0.01	< 10	< 10	358	< 10	150
313505	205	226	30	35	< 0.01	168	1540	8	2	7	589	< 0.01	< 10	10	282	< 10	912
313506	205	226	65	82	< 0.01	403	4070	8	4	7	371	< 0.01	< 10	20	471	< 10	1730
313506DUP	299	229	65	81	< 0.01	393	3990	8	4	7	365	< 0.01	< 10	20	461	< 10	1700
313507	205	226	105	84	< 0.01	384	5250	10	6	7	730	< 0.01	< 10	30	509	< 10	1990
313508	205	226	35	13	< 0.01	60	8370	6	4	4	1420	0.01	< 10	10	520	< 10	198
313509	205	226	30	9	< 0.01	51	1350	6	< 2	3	425	0.03	< 10	10	941	< 10	152
313510	205	226	20	40	< 0.01	112	3480	6	2	4	1005	0.03	< 10	30	1125	< 10	400
313511	205	226	5	32	< 0.01	65	790	8	2	4	68	0.04	< 10	< 10	1430	< 10	70
313512	205	226	10	55	< 0.01	136	990	8	< 2	5	88	0.02	< 10	< 10	1715	< 10	552
313513	205	226	5	50	< 0.01	72	470	6	2	3	45	0.01	< 10	< 10	1430	< 10	176
313514	205	226	5	43	< 0.01	60	330	6	< 2	2	33	0.02	< 10	< 10	1280	< 10	130
313515	205	226	105	< 1	0.01	< 1	10	8	< 2	< 1	93	< 0.01	< 10	< 10	5	< 10	10
313516	205	226	15	58	0.01	264	1760	8	< 2	12	139	0.03	< 10	10	2100	< 10	1335
313517	205	226	35	74	< 0.01	495	1480	12	< 2	7	131	0.05	< 10	< 10	1890	< 10	1745
313518	205	226	10	52	< 0.01	81	520	8	2	2	58	0.03	< 10	< 10	1225	< 10	350
313519	205	226	5	42	< 0.01	66	500	8	< 2	3	48	0.04	< 10	10	1420	< 10	126
313520	205	226	15	67	< 0.01	182	1110	6	< 2	3	103	0.04	< 10	< 10	1160	< 10	674
313521	205	226	35	74	< 0.01	391	2240	14	< 2	8	215	0.08	< 10	10	1870	< 10	1535
313522	205	226	35	34	< 0.01	141	2500	4	2	3	164	0.06	< 10	< 10	1025	< 10	588
313523	205	226	5	42	< 0.01	71	400	8	< 2	2	49	0.04	< 10	< 10	1525	< 10	124
313524	205	226	15	20	< 0.01	122	4250	2	2	3	363	0.01	< 10	< 10	367	< 10	394
313525	205	226	15	17	< 0.01	98	9760	2	6	4	691	< 0.01	< 10	10	275	< 10	310
313526	205	226	15	12	< 0.01	103	6630	8	6	4	993	< 0.01	< 10	10	217	< 10	366
313526DUP	299	229	15	12	< 0.01	105	6640	8	6	4	997	< 0.01	< 10	< 10	221	< 10	368
313527	205	226	15	7	< 0.01	95	6850	8	8	5	701	< 0.01	< 10	< 10	181	< 10	384
313528	205	226	660	4	0.03	170	980	6	< 2	3	461	< 0.01	< 10	< 10	149	< 10	650
313529	205	226	125	8	0.01	134	4100	8	6	5	559	< 0.01	< 10	< 10	177	< 10	606
313530	205	226	15	9	< 0.01	98	8180	8	2	6	914	< 0.01	< 10	< 10	212	< 10	392
313531	205	226	45	17	< 0.01	136	3620	6	2	5	402	< 0.01	< 10	< 10	252	< 10	550
313532	205	226	105	17	< 0.01	125	2700	6	6	6	330	< 0.01	< 10	< 10	277	< 10	496

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 28-JUL-98
Invoice No. :19824557
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824557

SAMPLE	PREP CODE		Au ppb FA+AA	Ba XRF %	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 %
313533	205	226	< 5	0.90	3.0	0.76	18	90	0.5	< 2	1.88	3.0	4	198	171	1.51	< 10	< 1	0.20	10	0.31
313534	205	226	< 5	0.89	2.4	0.86	16	110	0.5	< 2	1.71	2.5	4	182	160	1.50	< 10	< 1	0.18	10	0.36
313535	205	226	< 5	0.07	< 0.2	0.04	< 2	410	< 0.5	2	>15.00	< 0.5	< 1	8	< 1	0.04	< 10	< 1	0.01	< 10	9.18
313536	205	226	< 5	0.77	3.0	1.49	20	60	0.5	< 2	2.87	3.0	2	160	65	1.42	< 10	< 1	0.26	< 10	1.07
313537	205	226	< 5	0.85	2.6	1.47	22	30	0.5	< 2	3.34	4.5	3	160	61	1.58	< 10	< 1	0.26	< 10	0.92
313538	205	226	< 5	0.83	2.4	0.82	18	40	0.5	< 2	3.60	14.0	6	157	106	2.18	< 10	< 1	0.19	< 10	1.10
313539	205	226	< 5	1.00	2.6	0.71	20	60	0.5	< 2	2.13	5.5	5	195	164	1.88	< 10	< 1	0.18	10	0.44
313540	205	226	< 5	0.94	2.4	0.75	20	60	0.5	< 2	3.10	24.0	5	156	100	1.47	< 10	< 1	0.16	< 10	0.98
313541	205	226	< 5	0.80	2.4	1.08	20	110	0.5	< 2	2.22	13.0	5	179	115	1.12	< 10	< 1	0.19	10	0.65
313542	205	226	< 5	0.57	2.6	1.14	22	100	0.5	< 2	2.10	8.0	1	153	127	0.75	< 10	< 1	0.21	10	0.65
313543	205	226	< 5	0.71	2.8	1.10	24	140	0.5	< 2	1.59	1.5	2	170	91	0.69	< 10	< 1	0.22	10	0.50
313544	205	226	< 5	0.85	2.8	0.85	18	70	0.5	< 2	1.82	2.0	1	149	128	0.82	< 10	< 1	0.21	10	0.39
313545	205	226	< 5	0.69	2.4	0.70	16	130	0.5	< 2	1.89	5.0	2	200	113	0.96	< 10	< 1	0.20	10	0.54
313546	205	226	< 5	0.67	2.6	0.59	16	50	0.5	< 2	2.20	1.5	2	157	52	1.42	< 10	< 1	0.17	< 10	0.32
313546DUP	299	229	< 5	0.67	2.6	0.55	16	60	0.5	< 2	2.22	1.5	1	153	53	1.43	< 10	< 1	0.16	< 10	0.32
313547	205	226	< 5	0.62	2.6	0.81	16	100	0.5	< 2	1.51	1.5	1	171	53	1.14	< 10	< 1	0.21	< 10	0.48
313548	205	226	< 5	0.49	2.2	0.66	12	60	0.5	< 2	0.83	1.5	2	187	49	1.38	< 10	< 1	0.17	10	0.42
313549	205	226	< 5	0.83	2.6	0.70	16	70	0.5	< 2	0.44	2.0	3	148	55	1.35	< 10	< 1	0.20	10	0.24
313550	205	226	10	0.61	3.2	1.28	34	60	2.0	< 2	1.18	9.5	4	268	243	1.59	10	< 1	0.31	10	0.75
313551	205	226	< 5	0.46	2.6	1.12	26	40	1.5	< 2	1.42	20.5	4	222	328	1.23	< 10	< 1	0.29	10	0.78
313552	205	226	< 5	0.62	1.6	0.79	12	60	1.0	< 2	0.66	2.0	3	93	38	1.38	< 10	< 1	0.21	< 10	0.41
313553	205	226	< 5	0.43	1.4	0.78	22	90	1.0	< 2	0.75	5.0	3	188	75	1.05	< 10	< 1	0.21	10	0.39
313554	205	226	< 5	0.59	0.6	0.51	22	100	0.5	< 2	0.62	3.5	2	99	54	0.85	< 10	< 1	0.13	< 10	0.07
313555	205	226	< 5	0.01	< 0.2	< 0.01	< 2	80	< 0.5	2	>15.00	< 0.5	< 1	9	< 1	0.02	< 10	< 1	< 0.01	< 10	9.71
313556	205	226	< 5	0.88	0.8	0.65	22	80	0.5	< 2	3.67	12.0	3	135	221	0.84	< 10	< 1	0.16	< 10	0.51
313557	205	226	< 5	0.99	2.4	0.24	10	330	< 0.5	< 2	0.38	1.0	1	122	58	0.61	< 10	< 1	0.07	< 10	0.05
313559	205	226	< 5	1.88	2.2	0.31	12	480	0.5	< 2	0.32	3.5	1	101	86	0.46	< 10	< 1	0.07	10	0.03
313561	205	226	< 5	2.01	1.4	0.42	10	450	0.5	< 2	0.19	3.5	1	122	99	0.48	< 10	< 1	0.08	< 10	0.05
313562	205	226	< 5	3.10	1.0	0.49	22	620	0.5	< 2	0.40	3.0	1	103	101	0.58	< 10	< 1	0.09	< 10	0.04
313563	205	226	< 5	14.30	0.8	0.56	8	>10000	< 0.5	< 2	0.15	15.5	3	86	57	0.64	< 10	< 1	0.08	< 10	0.08
313564	205	226	< 5	2.82	1.0	0.45	14	280	0.5	< 2	0.26	8.0	2	102	69	0.56	< 10	< 1	0.09	< 10	0.05
313565	205	226	< 5	9.26	0.6	0.65	20	170	0.5	< 2	0.97	3.5	4	101	38	0.89	< 10	< 1	0.13	< 10	0.68
313566	205	226	< 5	4.54	0.6	0.49	18	300	0.5	< 2	1.73	5.5	4	80	59	0.87	< 10	< 1	0.08	< 10	1.02

CERTIFICATION: Hart Biddle

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 28-JUL-98
Invoice No. :I9824557
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824557

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
313533	205	226	35	14	< 0.01	93	2970	2	8	4	271	< 0.01	< 10	< 10	229	< 10	404
313534	205	226	30	14	< 0.01	123	3520	2	10	4	307	< 0.01	< 10	< 10	226	< 10	472
313535	205	226	90	< 1	0.01	< 1	240	8	2	< 1	96	< 0.01	< 10	10	3	< 10	34
313536	205	226	20	7	< 0.01	82	>10000	2	6	7	1050	< 0.01	< 10	10	229	< 10	294
313537	205	226	25	8	< 0.01	99	9290	4	4	5	833	< 0.01	< 10	10	240	< 10	418
313538	205	226	150	14	< 0.01	152	4320	2	6	6	409	< 0.01	< 10	< 10	242	< 10	750
313539	205	226	65	15	< 0.01	133	1560	6	6	4	134	< 0.01	< 10	< 10	242	< 10	600
313540	205	226	110	14	< 0.01	126	2400	6	4	5	285	< 0.01	< 10	< 10	226	< 10	706
313541	205	226	40	15	< 0.01	132	3300	6	6	5	374	< 0.01	< 10	10	229	< 10	536
313542	205	226	15	13	< 0.01	85	5420	2	6	5	618	< 0.01	< 10	< 10	240	< 10	288
313543	205	226	10	8	< 0.01	83	4680	8	6	5	557	< 0.01	< 10	< 10	218	< 10	228
313544	205	226	15	11	< 0.01	67	3270	6	6	5	385	< 0.01	< 10	< 10	198	< 10	178
313545	205	226	40	11	< 0.01	77	2680	6	8	5	402	< 0.01	< 10	< 10	168	< 10	286
313546	205	226	20	5	< 0.01	55	1380	6	2	5	252	< 0.01	< 10	< 10	117	< 10	214
313546DUP	299	229	20	6	< 0.01	56	1380	8	6	5	256	< 0.01	< 10	< 10	115	< 10	216
313547	205	226	15	7	< 0.01	55	2830	4	6	6	450	< 0.01	< 10	< 10	140	< 10	172
313548	205	226	15	11	< 0.01	85	970	8	6	6	125	< 0.01	< 10	10	124	< 10	214
313549	205	226	20	8	< 0.01	51	910	12	4	5	187	< 0.01	< 10	< 10	146	< 10	128
313550	205	226	35	35	0.01	180	1490	8	6	7	228	0.01	< 10	10	666	< 10	620
313551	205	226	65	34	< 0.01	132	770	10	6	5	150	0.01	< 10	< 10	884	< 10	798
313552	205	226	20	4	< 0.01	38	750	10	2	6	166	< 0.01	< 10	< 10	130	< 10	184
313553	205	226	30	29	< 0.01	90	730	6	4	5	163	< 0.01	< 10	< 10	609	< 10	410
313554	205	226	25	33	< 0.01	75	370	< 2	2	3	80	< 0.01	< 10	< 10	851	< 10	294
313555	205	226	100	< 1	0.01	< 1	< 10	6	< 2	< 1	108	< 0.01	< 10	10	2	< 10	18
313556	205	226	95	21	< 0.01	81	440	2	< 2	5	550	0.02	< 10	< 10	794	< 10	868
313557	205	226	15	9	< 0.01	20	1190	14	2	2	418	< 0.01	< 10	< 10	160	< 10	64
313559	205	226	5	40	< 0.01	32	2680	10	4	4	278	< 0.01	< 10	< 10	299	< 10	160
313561	205	226	10	30	< 0.01	43	2310	4	4	3	196	0.01	< 10	< 10	626	< 10	188
313562	205	226	5	56	< 0.01	59	2290	4	4	3	193	0.07	< 10	< 10	983	< 10	178
313563	205	226	30	35	< 0.01	94	810	< 2	2	3	555	0.06	< 10	< 10	1065	< 10	1130
313564	205	226	15	41	< 0.01	78	1160	2	2	2	162	0.06	< 10	< 10	986	< 10	480
313565	205	226	70	54	< 0.01	216	250	< 2	2	10	40	0.07	< 10	< 10	984	< 10	370
313566	205	226	90	43	< 0.01	168	340	2	2	3	107	0.06	< 10	< 10	695	< 10	424

CERTIFICATION: Stewart Bielle

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

A9824866

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824866

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 21-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	71	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	71	Ba %: XRF	XRF	0.01	100.0

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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 21-JUL-98
Invoice No. :I9824866
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824866

SAMPLE	PREP CODE	Ba XRF %
313163	299 --	3.14
313164	299 --	1.91
313165	299 --	1.44
313166	299 --	2.23
313167	299 --	1.66
313168	299 --	0.71
313169	299 --	0.46
313170	299 --	0.46
313171	299 --	0.59
313172	299 --	0.40
313172DUP	299 --	0.39
313173	299 --	0.49
313174	299 --	0.43
313175	299 --	0.40
313176	299 --	0.52
313177	299 --	0.74
313178	299 --	0.47
313179	299 --	0.56
313180	299 --	0.68
313181	299 --	0.27
313182	299 --	1.71
313183	299 --	0.01
313184	299 --	26.1
313185	299 --	27.6
313186	299 --	33.1
313187	299 --	16.40
313188	299 --	19.50
313189	299 --	13.45
313190	299 --	25.3
313191	299 --	27.5
313192	299 --	26.1
313192DUP	299 --	26.0
313193	299 --	2.69
313194	299 --	3.06
313195	299 --	2.13
313196	299 --	0.84
313197	299 --	1.25
313198	299 --	0.39
313199	299 --	0.60
313200	299 --	0.72

CERTIFICATION: Stewart Buchholz

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: [redacted] EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 21-JUL-98
Invoice No. :19824866
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824866

SAMPLE	PREP CODE	Ba XRF %
313201	299 --	0.49
313202	299 --	0.54
313203	299 --	0.02
313204	299 --	1.12
313205	299 --	1.69
313206	299 --	0.90
313207	299 --	0.34
313208	299 --	0.63
313209	299 --	0.40
313210	299 --	0.90
313211	299 --	0.38
313212	299 --	1.40
313212DUP	299 --	1.35
313213	299 --	27.4
313214	299 --	31.2
313215	299 --	32.1
313216	299 --	31.8
313217	299 --	28.6
313218	299 --	31.8
313219	299 --	28.3
313220	299 --	14.40
313221	299 --	31.6
313222	299 --	31.0
313223	299 --	2.89
313224	299 --	1.32
313225	299 --	0.82
313226	299 --	0.90
313227	299 --	0.45
313228	299 --	1.12
313229	299 --	0.33
313230	299 --	0.51

CERTIFICATION: Stewart Buchlen

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

A9824868

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824868

(EIA) - EQUITY ENGINEERING LTD.

Project:
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	48	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	48	Ba %: XRF	XRF	0.01	100.0

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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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 :
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :2
Certificate Date: 22-JUL-98
Invoice No. :I9824868
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9824868

SAMPLE	PREP CODE	Ba XRF %
313328	299 --	0.44
313329	299 --	0.29
313330	299 --	0.43
313331	299 --	0.27
313332	299 --	0.33
313333	299 --	0.57
313334	299 --	0.53
313335	299 --	0.51
313336	299 --	0.47
313337	299 --	0.24
313338	299 --	0.27
313338 DUP	299 --	0.26
313339	299 --	0.24
313340	299 --	0.44
313341	299 --	0.42
313342	299 --	0.33
313343	299 --	0.42
313344	299 --	0.45
313345	299 --	0.98
313346	299 --	0.72
313347	299 --	0.29
313348	299 --	0.01
313349	299 --	0.35
313350	299 --	0.63
313351	299 --	0.51
313352	299 --	0.62
313353	299 --	0.45
313354	299 --	0.56
313355	299 --	0.35
313356	299 --	0.23
313357	299 --	0.29
313358	299 --	0.22
313358 DUP	299 --	0.21
313359	299 --	0.27
313360	299 --	0.36
313361	299 --	0.30
313362	299 --	0.31
313363	299 --	0.29
313364	299 --	0.37
313365	299 --	0.34

CERTIFICATION: Antoni Bielle

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Analytical Chemists * Geochemists * Registered Assayers

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

To: [redacted] D.

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

Project :
Comments: ATTN: STEWART HARRIS

Page Number :2
Total Pages :2
Certificate Date: 22-JUL-98
Invoice No. : I9824868
P.O. Number : BLK98-03
Account : EIA

CERTIFICATE OF ANALYSIS A9824868

SAMPLE	PREP CODE	Ba XRF %
313366	299 --	0.39
313367	299 --	0.45
313368	299 --	< 0.01
313369	299 --	0.36
313370	299 --	0.30
313371	299 --	0.54
313372	299 --	0.59
313373	299 --	0.52

CERTIFICATION: [signature]

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To: EQUITY ENGINEERING LTD.

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V6B 1N2

A9824870

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824870

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Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	8	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	8	Ba %: XRF	XRF	0.01	100.0

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To: [redacted] EQUITY ENGINEERING LTD.

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 22-JUL-98
Invoice No. :I9824870
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824870

SAMPLE	PREP CODE	Ba XRF %
313255	299 --	0.68
313256	299 --	0.50
313257	299 --	0.63
313258	299 --	0.76
313259	299 --	3.31
313260	299 --	1.69
313261	299 --	0.01
313262	299 --	1.57

CERTIFICATION: Hart Biddle

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V6B 1N2

A9824873

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824873

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Project: BLK 98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 22-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	22	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	22	Ba %: XRF	XRF	0.01	100.0

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Project :
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 22-JUL-98
Invoice No. :I9824873
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824873

SAMPLE	PREP CODE	Ba XRF %
313308	299 --	0.42
313309	299 --	0.28
313310	299 --	0.40
313310 DUP	299 --	0.39
313311	299 --	0.46
313312	299 --	0.69
313313	299 --	0.83
313314	299 --	0.60
313315	299 --	11.85
313316	299 --	9.77
313317	299 --	1.25
313318	299 --	1.57
313319	299 --	3.80
313320	299 --	3.35
313320 DUP	299 --	3.40
313321	299 --	9.40
313322	299 --	2.69
313323	299 --	3.86
313324	299 --	4.88
313325	299 --	3.84
313326	299 --	2.43
313327	299 --	0.02

CERTIFICATION: Hart Biddle

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A9824874

Comments: ATTN: STEWART HARRIS

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Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 23-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	45	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	45	Ba %: XRF	XRF	0.01	100.0

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 23-JUL-98
Invoice No. :I9824874
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9824874

SAMPLE	PREP CODE	Ba XRF %
313263	299 --	0.33
313264	299 --	0.31
313265	299 --	0.37
313266	299 --	0.28
313267	299 --	0.41
313268	299 --	0.93
313269	299 --	0.37
313270	299 --	0.71
313271	299 --	0.64
313272	299 --	0.68
313273	299 --	0.42
313274	299 --	0.41
313275	299 --	0.51
313276	299 --	0.61
313277	299 --	0.67
313278	299 --	0.57
313279	299 --	1.06
313280	299 --	1.17
313281	299 --	3.86
313282	299 --	2.76
313283	299 --	0.33
313284	299 --	0.01
313285	299 --	1.31
313286	299 --	0.73
313287	299 --	1.81
313288	299 --	1.80
313289	299 --	0.50
313290	299 --	0.43
313291	299 --	0.60
313292	299 --	0.98
313293	299 --	1.05
313294	299 --	1.72
313295	299 --	35.6
313296	299 --	18.20
313297	299 --	2.20
313298	299 --	3.99
313299	299 --	11.05
313300	299 --	1.80
313301	299 --	2.76
313302	299 --	1.12

CERTIFICATION: Ian Bielle

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 23-JUL-98
Invoice No. : I9824874
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824874

SAMPLE	PREP CODE	Ba XRF %
313303	299 --	0.63
313304	299 --	0.07
313305	299 --	0.38
313306	299 --	0.66
313307	299 --	0.46

CERTIFICATION: Stewart Riddle

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To: EQUITY ENGINEERING LTD.

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A9824479

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9824479

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Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	1	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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To: EQUITY ENGINEERING LTD.

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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 15-JUL-98
Invoice No. : I9824479
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9824479

SAMPLE	PREP CODE		Zn %
313232	244	--	2.62

CERTIFICATION: Said Ceng.

OVERLIMITS from A9823649

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
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V6B 1N2

A9826421

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9826421

(EIA) - EQUITY ENGINEERING LTD.

Project: TAIGA
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 5-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	5	Pulp; prev. prepared at Chemex

* NOTE 1:

Code 1000 is used for repeat gold analyses
It shows typical sample variability due to coarse gold effects. Each value is correct for its particular subsample.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
975	5	Au ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
976	5	Pt ppb: ICP-Fluorescence package	FA-ICP-AFS	5	10000
977	5	Pd ppb: ICP-fluorescence package	FA-ICP-AFS	2	10000
1000	5	Au check analysis		5	10000

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To: EQUITY ENGINEERING LTD.

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Project : TAIGA
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 05-AUG-98
Invoice No. : 19826421
P.O. Number : BLK98-03
Account : EIA

CERTIFICATE OF ANALYSIS A9826421

SAMPLE	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Au check						
313067	244	--	570	< 5	4	1555						
313068	244	--	>10000	< 10	4	8830						
313072	244	--	2380	5	8	172						
313128	244	--	2	5	10	2						
313129	244	--	< 2	< 5	8	< 2						

CERTIFICATION: _____

RERUNS from A9823076

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To: EQUITY ENGINEERING LTD.

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V6B 1N2

A9825222

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9825222

(EIA) - EQUITY ENGINEERING LTD.

Project: TAIGA
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	2	Au ppb: Fuse 30 g sample	FA-AAS	5	10000

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

To: [redacted] EQUITY ENGINEERING LTD.

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

Project : TAIGA
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 30-JUL-98
Invoice No. : 19825222
P.O. Number : BLK98-03
Account : EIA

CERTIFICATE OF ANALYSIS A9825222

SAMPLE	PREP CODE	Au ppb FA+AA
313128	244 --	< 5
313129	244 --	315

CERTIFICATION: [signature]

RERUNS from A9823076

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To: EQUITY ENGINEERING LTD.

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A9825223

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9825223

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Project: TAIGA
P.O. # : BLK98-03

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	6	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	6	Au ppb: Fuse 30 g sample	FA-AAS	5	10000

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Project : TAIGA
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :1
Certificate Date: 30-JUL-98
Invoice No. :19825223
P.O. Number :BLK98-03
Account :EIA

CERTIFICATE OF ANALYSIS A9825223

SAMPLE	PREP CODE	Au ppb FA+AA
313067	244 --	630
313068	244 --	9320
313069	244 --	< 5
313070	244 --	< 5
313071	244 --	< 5
313072	244 --	1350

CERTIFICATION: [signature]

RERUNS from A9823077

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A9818090

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818090

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	18	Run as received
232	18	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	18	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 1
Certificate Date: 04-MAY-98
Invoice No. : 19818090
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818090

SAMPLE	PREP CODE		Ba ppm
L4600E 9800N	225	232	1220
L4600E 9825N	225	232	1040
L4600E 9850N	225	232	1420
L4600E 9875N	225	232	1120
L4600E 9900N	225	232	1180
L4600E 9925N	225	232	1030
L4600E 9950N	225	232	1290
L4600E 9975N	225	232	1200
L5200E 9800N	225	232	4300
L5200E 9825N	225	232	3100
L5200E 9850N	225	232	3150
L5200E 9875N	225	232	2700
L5200E 9900N	225	232	2100
L5200E 9925N	225	232	4000
L5200E 9950N	225	232	5550
L5200E 9975N	225	232	4600
L5400E 7650N	225	232	880
L5600E 10000N	225	232	3900

CERTIFICATION: Stuart Sichler

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To: EQUITY ENGINEERING LTD.

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A9818091

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818091

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	487	Run as received
232	487	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	486	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 13
Certificate Date: 06-MAY-98
Invoice No. : 19818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm									
R1 00	225	232	1300									
R1 01	225	232	1290									
R1 02	225	232	1280									
R1 03	225	232	1350									
R1 04	225	232	1180									
R1 05	225	232	880									
R1 06	225	232	1220									
R1 07	225	232	1060									
R1 08	225	232	1070									
R1 09	225	232	1720									
R1 10	225	232	1180									
R1 11	225	232	3600									
R1 12	225	232	1880									
R1 13	225	232	2950									
R1 14	225	232	3700									
R1 15	225	232	1840									
R1 16	225	232	1760									
R1 17	225	232	1820									
R1 18	225	232	1160									
R1 19	225	232	1760									
R1 20	225	232	3000									
R1 21	225	232	1880									
R1 22	225	232	1580									
R1 23	225	232	2600									
R1 24	225	232	8000									
R1 25	225	232	3400									
R1 26	225	232	8000									
R1 27	225	232	2300									
R1 28	225	232	1100									
R1 29	225	232	840									
R1 30	225	232	6300									
R1 31	225	232	3700									
R1 32	225	232	1940									
R1 33	225	232	4500									
R1 34	225	232	2650									
R1 35	225	232	3100									
R1 36	225	232	3200									
R1 37	225	232	6800									
R1 38	225	232	8800									
R1 39	225	232	4550									

CERTIFICATION: Ian Bichler

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Page Number :2
Total Pages :13
Certificate Date: 06-MAY-98
Invoice No. : I9818091
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Account :EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R1 40	225	232	3600
R1 41	225	232	1660
R1 42	225	232	1780
R1 43	225	232	3000
R1 44	225	232	1040
R1 45	225	232	1940
R1 46	225	232	3300
R1 47	225	232	3300
R1 48	225	232	560
R1 49	225	232	1700
R1 50	225	232	1000
R1 51	225	232	2900
R1 52	225	232	3600
R1 53	225	232	760
R1 54	225	232	5700
R1 55	225	232	1080
R1 56	225	232	1300
R1 57	225	232	790
R1 58	225	232	2050
R1 59	225	232	3550
R1 60	225	232	4800
R1 61	225	232	1760
R1 62	225	232	1140
R1 63	225	232	900
R1 64	225	232	800
R1 65	225	232	800
R1 66	225	232	1820
R1 67	225	232	1650
R1 68	225	232	1820
R1 69	225	232	1140
R1 70	225	232	1120
R1 71	225	232	1120
R1 72	225	232	1330
R1 73	225	232	1500
R1 74	225	232	1450
R1 75	225	232	2400
R2 0000	225	232	5600
R2 0025	225	232	10000
R2 0050	225	232	8000
R2 0075	225	232	2800

CERTIFICATION: Ian 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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R2 0100	225	232	7300
R2 0125	225	232	1680
R2 0150	225	232	4600
R2 0175	225	232	1480
R2 0200	225	232	>10000
R2 0225	225	232	3000
R2 0250	225	232	4600
R2 0275	225	232	8000
R2 0300	225	232	9000
R2 0325	225	232	1890
R2 0350	225	232	5100
R2 0375	225	232	1520
R2 0400	225	232	1720
R2 0425	225	232	2450
R2 0450	225	232	3300
R2 0475	225	232	2300
R2 0500	225	232	3850
R2 0525	225	232	2300
R2 0550	225	232	7300
R2 0575	225	232	4600
R2 0600	225	232	6000
R2 0625	225	232	>10000
R2 0650	225	232	9300
R2 0675	225	232	5600
R2 0700	225	232	7400
R2 0725	225	232	4900
R2 0750	225	232	5300
R2 0775	225	232	6500
R2 0800	225	232	5900
R2 0825	225	232	8200
R2 0850	225	232	2700
R2 0875	225	232	2700
R2 0900	225	232	3400
R2 0925	225	232	1960
R2 0950	225	232	2900
R2 0975	225	232	2300
R2 1000	225	232	1500
R2 1025	225	232	2600
R2 1050	225	232	2300
R2 1075 .	225	232	4000

CERTIFICATION: _____

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :4
Total Pages :13
Certificate Date: 06-MAY-98
Invoice No. :I9818091
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm									
R2 1100	225	232	5100									
R2 1125	225	232	7100									
R2 1150	225	232	1880									
R2 1175	225	232	3800									
R2 1200	225	232	3600									
R2 1225	225	232	3000									
R2 1250	225	232	4600									
R2 1275	225	232	7400									
R2 1300	225	232	2700									
R2 1325	225	232	3100									
R2 1350	225	232	6900									
R2 1375	225	232	4100									
R2 1400	225	232	3400									
R2 1425	225	232	4150									
R2 1450	225	232	3300									
R2 1475	225	232	3800									
R2 1500	225	232	2600									
R2 1525	225	232	1080									
R2 1550	225	232	430									
R2 1575	225	232	1900									
R2 1600	225	232	1560									
R2 1625	225	232	860									
R2 1650	225	232	1350									
R2 1675	225	232	780									
R2 1700	225	232	480									
R2 1725	225	232	2200									
R2 1750	225	232	2100									
R2 1775	225	232	1660									
R2 1800	225	232	1500									
R2 1825	225	232	1500									
R2 1850	225	232	2200									
R2 1875	225	232	3800									
R2 1900	225	232	2700									
R2 1925	225	232	2200									
R2 1950	225	232	1700									
R2 1975	225	232	1700									
R2 2000	225	232	1100									
R2 2025	225	232	1120									
R2 2050	225	232	640									
R2 2075	225	232	1100									

CERTIFICATION: Hart Bichler

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 5
Total Pages : 13
Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R2 2100	225	232	1640
R2 2125	225	232	3000
R2 2150	225	232	2150
R2 2175	225	232	2200
R2 2200	225	232	2050
R2 2225	225	232	1700
R2 2250	225	232	1500
R2 2275	225	232	1800
R2 2300	225	232	2000
R2 2325	225	232	2150
R2 2350	225	232	1620
R3 0000	225	232	1240
R3 0025	225	232	1580
R3 0050	225	232	1170
R3 0075	225	232	1180
R3 0100	225	232	1000
R3 0125	225	232	1100
R3 0150	225	232	1200
R3 0175	225	232	1420
R3 0200	225	232	1560
R3 0225	225	232	2100
R3 0250	225	232	1400
R3 0275	225	232	1300
R3 0300	225	232	6000
R3 0325	225	232	2200
R3 0350	225	232	1560
R3 0375	225	232	1400
R3 0400	225	232	940
R3 0425	225	232	1120
R3 0450	225	232	1400
R3 0475	225	232	1080
R3 0500	225	232	1160
R3 0525	225	232	940
R3 0550	225	232	920
R3 0575	225	232	910
R3 0600	225	232	1040
R3 0625	225	232	1180
R3 0650	225	232	1540
R3 0675	225	232	1420
R3 0700	225	232	1000

CERTIFICATION: Ian Buchan

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To: EQUITY ENGINEERING LTD.

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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 6
Total Pages : 13
Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R3 0725	225	232	2100
R3 0750	225	232	930
R3 0775	225	232	1020
R3 0800	225	232	1900
R3 0825	225	232	1680
R3 0850	225	232	1680
R3 0875	225	232	2700
R3 0900	225	232	2150
R3 0925	225	232	5500
R3 0950	225	232	1340
R3 0975	225	232	2400
R3 1000	225	232	1880
R3 1025	225	232	1300
R3 1050	225	232	2300
R3 1075	225	232	1100
R3 1100	225	232	1080
R3 1125	225	232	1360
R3 1150	225	232	4100
R3 1175	225	232	1040
R3 1200	225	232	3000
R3 1225	225	232	1360
R3 1250	225	232	3500
R3 1275	225	232	1500
R3 1300	225	232	1800
R3 1325	225	232	1400
R3 1350	225	232	1400
R3 1375	225	232	4300
R3 1400	225	232	2300
R3 1425	225	232	1700
R3 1450	225	232	2000
R3 1475	225	232	1880
R3 1500	225	232	2200
R3 1525	225	232	2100
R3 1550	225	232	700
R3 1575	225	232	3500
R3 1600	225	232	3000
R3 1625	225	232	1260
R3 1650	225	232	3700
R3 1675	225	232	8700
R3 1700	225	232	2300

CERTIFICATION: Stewart Buchan

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
Invoice No. :19818091
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R3 1725	225	232	4500
R3 1750	225	232	4000
R3 1775	225	232	3000
R3 1800	225	232	3800
R3 1825	225	232	1330
R3 1850	225	232	1490
R3 1875	225	232	1280
R3 1900	225	232	1800
R3 1925	225	232	1030
R3 1950	225	232	1180
R3 1975	225	232	1340
R3 2000	225	232	2200
R3 2025	225	232	2400
R3 2050	225	232	2200
R3 2075	225	232	820
R3 2100	225	232	3500
R3 2125	225	232	2200
R3 2150	225	232	1450
R3 2175	225	232	not/ss
R3 2200	225	232	2150
R3 2225	225	232	2200
R3 2250	225	232	3100
R3 2275	225	232	1620
R3 2300	225	232	1580
R3 2325	225	232	400
R3 2350	225	232	740
R3 2375	225	232	560
R3 2400	225	232	1160
R3 2425	225	232	1240
R3 2450	225	232	800
R3 2475	225	232	1000
R3 2500	225	232	940
R3 2525	225	232	1060
R3 2550	225	232	700
R3 2575	225	232	880
R3 2600	225	232	1120
R4 0000	225	232	980
R4 0025	225	232	1300
R4 0050	225	232	1800
R4 0075	225	232	1900

CERTIFICATION: Hart Bichler

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :8
Total Pages :13
Certificate Date: 06-MAY-98
Invoice No. :19818091
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R4 0100	225	232	1460
R4 0125	225	232	3000
R4 0150	225	232	2000
R4 0175	225	232	3200
R4 0200	225	232	5600
R4 0225	225	232	6500
R4 0250	225	232	5400
R4 0275	225	232	4400
R4 0300	225	232	7400
R4 0325	225	232	4900
R4 0350	225	232	3400
R4 0375	225	232	2700
R4 0400	225	232	1820
R4 0425	225	232	2200
R4 0450	225	232	2000
R4 0475	225	232	1980
R4 0500	225	232	3200
R4 0525	225	232	1780
R4 0550	225	232	2900
R4 0575	225	232	3300
R4 0600	225	232	1960
R4 0625	225	232	1000
R4 0650	225	232	1460
R4 0675	225	232	1180
R4 0700	225	232	1400
R5 0000	225	232	1140
R5 0025	225	232	1220
R5 0050	225	232	1200
R5 0075	225	232	1380
R5 0100	225	232	2050
R5 0125	225	232	1440
R5 0150	225	232	1200
R5 0175	225	232	1160
R5 0200	225	232	4300
R5 0225	225	232	2400
R5 0250	225	232	3700
R5 0275	225	232	4050
R5 0300	225	232	6500
R5 0325	225	232	9000
R5 0350	225	232	4700

CERTIFICATION:

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :9
Total Pages :13
Certificate Date: 06-MAY-98
Invoice No. :I9818091
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm								
R5 0375	225	232	1720								
R5 0400	225	232	1600								
R5 0425	225	232	1900								
R5 0450	225	232	1820								
R5 0475	225	232	1580								
R5 0500	225	232	1000								
R5 0525	225	232	1820								
R5 0550	225	232	2050								
R5 0575	225	232	1400								
R5 0600	225	232	1880								
R6 0000	225	232	1180								
R6 0025	225	232	1260								
R6 0050	225	232	1300								
R6 0075	225	232	1050								
R6 0100	225	232	1530								
R6 0125	225	232	1680								
R6 0150	225	232	2250								
R6 0175	225	232	2600								
R6 0200	225	232	3200								
R6 0225	225	232	3150								
R6 0250	225	232	1060								
R6 0275	225	232	2000								
R6 0300	225	232	4200								
R6 0325	225	232	5200								
R6 0350	225	232	5800								
R6 0375	225	232	8200								
R6 0400	225	232	8100								
R6 0425	225	232	7000								
R6 0450	225	232	6900								
R6 0475	225	232	6000								
R6 0500	225	232	8100								
R6 0525	225	232	2200								
R6 0550	225	232	2900								
R6 0575	225	232	5900								
R6 0600	225	232	1700								
R6 0625	225	232	1740								
R7 0000	225	232	1360								
R7 0025	225	232	1240								
R7 0050	225	232	2300								
R7 0075	225	232	1460								

CERTIFICATION: Stuart Buchler

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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 10
Total Pages : 13
Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm									
R7 0100	225	232	1880									
R7 0125	225	232	3200									
R7 0150	225	232	3100									
R7 0175	225	232	1240									
R7 0200	225	232	1620									
R7 0225	225	232	1680									
R7 0250	225	232	1780									
R7 0275	225	232	1030									
R7 0300	225	232	1420									
R7 0325	225	232	2500									
R7 0350	225	232	800									
R7 0375	225	232	1600									
R7 0400	225	232	4000									
R7 0425	225	232	2800									
R7 0450	225	232	1260									
R7 0475	225	232	7700									
R7 0500	225	232	3600									
R7 0525	225	232	7500									
R7 0550	225	232	8800									
R7 0575	225	232	6200									
R7 0600	225	232	980									
R7 0625	225	232	5200									
R7 0650	225	232	6850									
R7 0675	225	232	1220									
R7 0700	225	232	3700									
R7 0725	225	232	1480									
R7 0750	225	232	1700									
R7 0775	225	232	3100									
R7 0800	225	232	680									
R7 0825	225	232	870									
R7 0850	225	232	1100									
R7 0875	225	232	860									
R7 0900	225	232	680									
R7 0925	225	232	830									
R7 0950	225	232	940									
R7 0975	225	232	880									
R7 1000	225	232	890									
R7 1025	225	232	1000									
R7 1050	225	232	820									
R7 1075	225	232	1000									

CERTIFICATION: Ian Bidder

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Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
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P.O. Number :
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CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R7 1100	225	232	1160
R7 1125	225	232	970
R7 1150	225	232	840
R7 1175	225	232	1410
R7 1200	225	232	480
R7 1225	225	232	700
R7 1250	225	232	1130
R7 1275	225	232	960
R7 1300	225	232	1500
R7 1325	225	232	920
R7 1350	225	232	840
R7 1375	225	232	850
R7 1400	225	232	1000
R7 1425	225	232	900
R7 1450	225	232	820
R7 1475	225	232	1200
R8 0000	225	232	1280
R8 0025	225	232	1340
R8 0050	225	232	2300
R8 0075	225	232	8100
R8 0100	225	232	2200
R8 0125	225	232	6100
R8 0150	225	232	1800
R8 0175	225	232	7000
R8 0200	225	232	8600
R8 0225	225	232	7200
R8 0250	225	232	6600
R8 0275	225	232	2300
R8 0300	225	232	4800
R8 0325	225	232	5500
R8 0350	225	232	4650
R8 0375	225	232	2050
R8 0400	225	232	3100
R8 0425	225	232	2000
R8 0450	225	232	1500
R8 0475	225	232	1180
R8 0500	225	232	1700
R8 0525	225	232	1340
R9 0000	225	232	3300
R9 0025	225	232	2700

CERTIFICATION: H. J. Buchholz

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R9 0050	225	232	2000
R9 0075	225	232	1660
R9 0100	225	232	1840
R9 0125	225	232	1250
R9 0150	225	232	1260
R9 0175	225	232	4100
R9 0200	225	232	4100
R9 0225	225	232	3500
R9 0250	225	232	3500
R9 0275	225	232	4900
R9 0300	225	232	7400
R9 0325	225	232	6900
R9 0350	225	232	5200
R9 0375	225	232	6200
R9 0400	225	232	>10000
R9 0425	225	232	9700
R9 0450	225	232	7500
R9 0475	225	232	8600
R9 0500	225	232	3400
R9 0525	225	232	1800
R9 0550	225	232	1360
R9 0575	225	232	1160
R9 0600	225	232	1880
R9 0625	225	232	1240
R9 0650	225	232	2400
R9 0675	225	232	2700
R9 0700	225	232	1340
R9 0725	225	232	1500
R9 0750	225	232	1340
R9 0775	225	232	1100
R9 0800	225	232	1040
R9 0825	225	232	1580
R9 0850	225	232	1520
R9 0875	225	232	1900
R9 0900	225	232	1900
R9 0925	225	232	2600
R9 0950	225	232	1480
R9 0975	225	232	1440
R9 1000	225	232	1080
R9 1025	225	232	1240

CERTIFICATION: Ian Bichler

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 13
Total Pages : 13
Certificate Date: 06-MAY-98
Invoice No. : I9818091
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818091

SAMPLE	PREP CODE		Ba ppm
R9 1050	225	232	980
R9 1075	225	232	660
R9 1100	225	232	740
R9 1125	225	232	720
R9 1150	225	232	640
R9 1175	225	232	840
R9 1200	225	232	3400

CERTIFICATION: Stewart Buchan

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

A9818092

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818092

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	199	Run as received
232	199	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	198	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :1
Total Pages :5
Certificate Date: 06-MAY-98
Invoice No. :19818092
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818092

SAMPLE	PREP CODE		Ba ppm									
L4600E 7800N	225	232	1660									
L4600E 7825N	225	232	1820									
L4600E 7850N	225	232	3950									
L4600E 7875N	225	232	3700									
L4600E 7900N	225	232	1720									
L4600E 7925N	225	232	1100									
L4600E 7950N	225	232	1300									
L4600E 7975N	225	232	3800									
L4600E 8000N	225	232	5500									
L4600E 8025N	225	232	1680									
L4600E 8050N	225	232	4800									
L4600E 8075N	225	232	2400									
L4600E 8100N	225	232	6700									
L4600E 8125N	225	232	7150									
L4600E 8150N	225	232	5300									
L4600E 8175N	225	232	4600									
L4600E 8200N	225	232	7600									
L4600E 9700N	225	232	1420									
L4600E 9725N	225	232	1240									
L4600E 9750N	225	232	1000									
L4600E 9775N	225	232	980									
L4600E 10025N	225	232	1330									
L4600E 10050N	225	232	1240									
L4600E 10075N	225	232	1000									
L4600E 10100N	225	232	880									
L4600E 10125N	225	232	910									
L4600E 10150N	225	232	1040									
L4600E 10175N	225	232	1360									
L4600E 10200N	225	232	1480									
L4800E 7800N	225	232	1940									
L4800E 7825N	225	232	1000									
L4800E 7850N	225	232	2700									
L4800E 7875N	225	232	3400									
L4800E 7900N	225	232	5800									
L4800E 7925N	225	232	1260									
L4800E 7950N	225	232	2600									
L4800E 7975N	225	232	2050									
L4800E 8000N	225	232	2400									
L4800E 8025N	225	232	1660									
L4800E 8050N	225	232	1480									

CERTIFICATION: Stewart Buchler

Chemex Labs Ltd.

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
Invoice No. : I9818092
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818092

SAMPLE	PREP CODE		Ba ppm
L4800E 8075N	225	232	1860
L4800E 8100N	225	232	6500
L4800E 8125N	225	232	4850
L4800E 8150N	225	232	7000
L4800E 8175N	225	232	4700
L4800E 8200N	225	232	2800
L4800E 9700N	225	232	10000
L4800E 9725N	225	232	1940
L4800E 9750N	225	232	1260
L4800E 9775N	225	232	1800
L4800E 9800N	225	232	1820
L4800E 9825N	225	232	1880
L4800E 9850N	225	232	1700
L4800E 9875N	225	232	6300
L4800E 9900N	225	232	7300
L4800E 9925N	225	232	7400
L4800E 9950N	225	232	9150
L4800E 9975N	225	232	7000
L4800E 10025N	225	232	1480
L4800E 10050N	225	232	2800
L4800E 10075N	225	232	2000
L4800E 10100N	225	232	1800
L4800E 10125N	225	232	1320
L4800E 10150N	225	232	1500
L4800E 10175N	225	232	4500
L4800E 10200N	225	232	4950
L5000E 7900N	225	232	1200
L5000E 7925N	225	232	1280
L5000E 7950N	225	232	1240
L5000E 7975N	225	232	1220
L5000E 8000N	225	232	1560
L5000E 8025N	225	232	2100
L5000E 8050N	225	232	2500
L5000E 8075N	225	232	6800
L5000E 8100N	225	232	3700
L5000E 8125N	225	232	6100
L5000E 8150N	225	232	4400
L5000E 8175N	225	232	2500
L5000E 8200N	225	232	2500
L5000E 8225N	225	232	not/ss

CERTIFICATION: Stewart Bichler

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VANCOUVER, BC
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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
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P.O. Number :
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CERTIFICATE OF ANALYSIS A9818092

SAMPLE	PREP CODE	Ba ppm
L5000E 8250N	225 232	1970
L5000E 8275N	225 232	1840
L5000E 8300N	225 232	1700
L5000E 9700N	225 232	6400
L5000E 9725N	225 232	4100
L5000E 9750N	225 232	4000
L5000E 9775N	225 232	>10000
L5000E 9800N	225 232	3400
L5000E 9825N	225 232	2300
L5000E 9850N	225 232	3750
L5000E 9875N	225 232	3200
L5000E 9900N	225 232	1080
L5000E 9925N	225 232	2600
L5000E 9950N	225 232	4800
L5000E 9975N	225 232	3500
L5000E 10025N	225 232	1800
L5000E 10050N	225 232	2000
L5000E 10075N	225 232	3050
L5000E 10100N	225 232	1360
L5000E 10125N	225 232	3200
L5000E 10150N	225 232	2600
L5000E 10175N	225 232	1680
L5000E 10200N	225 232	1420
L5200E 7800N	225 232	1520
L5200E 7825N	225 232	2500
L5200E 7850N	225 232	5100
L5200E 7875N	225 232	7000
L5200E 7900N	225 232	3500
L5200E 7925N	225 232	2500
L5200E 7950N	225 232	2700
L5200E 7975N	225 232	2600
L5200E 8000N	225 232	2600
L5200E 8025N	225 232	2300
L5200E 8050N	225 232	2700
L5200E 8075N	225 232	3000
L5200E 8100N	225 232	2750
L5200E 8125N	225 232	2400
L5200E 8150N	225 232	2000
L5200E 8175N	225 232	2400
L5200E 8200N	225 232	3500

CERTIFICATION: Ian Bichler

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :4
Total Pages :5
Certificate Date: 06-MAY-98
Invoice No. : I9818092
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818092

SAMPLE	PREP CODE		Ba ppm
L5200E 9700N	225	232	6000
L5200E 9725N	225	232	4300
L5200E 9750N	225	232	6300
L5200E 9775N	225	232	4300
L5200E 10000N	225	232	3700
L5200E 10025N	225	232	2600
L5200E 10050N	225	232	2750
L5200E 10075N	225	232	4200
L5200E 10100N	225	232	3150
L5200E 10125N	225	232	3500
L5200E 10150N	225	232	5100
L5200E 10175N	225	232	6400
L5200E 10200N	225	232	4600
L5300E 7600N	225	232	1060
L5300E 7650N	225	232	1400
L5300E 7675N	225	232	1160
L5300E 7700N	225	232	1020
L5300E 7725N	225	232	900
L5300E 7750N	225	232	1130
L5300E 7775N	225	232	980
L5300E 7800N	225	232	1040
L5300E 7825N	225	232	1140
L5300E 7850N	225	232	980
L5300E 7875N	225	232	1440
L5300E 7900N	225	232	1560
L5300E 7925N	225	232	1680
L5300E 7950N	225	232	4250
L5300E 7975N	225	232	6000
L5300E 8000N	225	232	5800
L5400E 7600N	225	232	850
L5400E 7620N A	225	232	800
L5400E 7625N B	225	232	820
L5400E 7675N	225	232	820
L5400E 7700N	225	232	1200
L5400E 7725N	225	232	1030
L5400E 7750N	225	232	840
L5400E 7775N	225	232	1130
L5400E 7800N	225	232	890
L5400E 7825N	225	232	800
L5400E 7850N	225	232	9000

CERTIFICATION: Ian Buchle

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207 - 675 W. HASTINGS ST.
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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :5
Total Pages :5
Certificate Date: 06-MAY-98
Invoice No. : I9818092
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818092

SAMPLE	PREP CODE		Ba ppm
L5400E 7875N	225	232	3800
L5400E 7900N	225	232	1720
L5400E 7925N	225	232	2900
L5400E 7950N	225	232	1800
L5400E 7975N	225	232	5600
L5400E 8000N	225	232	1760
L5400E 9700N	225	232	4150
L5400E 9725N	225	232	3600
L5400E 9750N	225	232	4100
L5400E 9775N	225	232	3000
L5400E 9800N	225	232	2600
L5400E 9825N	225	232	4000
L5400E 9850N	225	232	3200
L5400E 9875N	225	232	1600
L5400E 9900N	225	232	1430
L5400E 9925N	225	232	5500
L5400E 9950N	225	232	1980
L5400E 9975N	225	232	6600
L5400E 10000N	225	232	3500
L5400E 10025N	225	232	3400
L5400E 10050N	225	232	4900
L5400E 10075N	225	232	4800
L5400E 10100N	225	232	4000
L5400E 10125N	225	232	3500
L5400E 10150N	225	232	4850
L5400E 10175N	225	232	4000
L5400E 10200N	225	232	980
L5600E 9700N	225	232	3900
L5600E 9725N	225	232	1540
L5600E 9750N	225	232	1450
L5600E 9775N	225	232	2800
L5600E 9800N	225	232	1800
L5600E 9825N	225	232	8700
L5600E 9850N	225	232	7000
L5600E 9875N	225	232	4900
L5600E 9900N	225	232	4100
L5600E 9925N	225	232	3500
L5600E 9950N	225	232	6500
L5600E 9975N	225	232	2100

CERTIFICATION: Ian Bichler

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To: EQUITY ENGINEERING LTD.

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

A9818093

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818093

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	118	Run as received
232	118	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	118	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 3
Certificate Date: 06-MAY-98
Invoice No. : 19818093
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818093

SAMPLE	PREP CODE		Ba ppm
L10300E 8625N	225	232	1940
L10300E 8650N	225	232	2900
L10300E 8675N	225	232	2400
L10300E 8700N	225	232	2300
L10300E 8725N	225	232	1880
L10300E 8750N	225	232	4600
L10300E 8775N	225	232	5300
L10300E 8800N	225	232	4200
L10300E 8825N	225	232	2700
L10300E 8850N	225	232	4400
L10300E 8875N	225	232	5400
L10300E 8900N	225	232	9200
L10400E 8500N	225	232	1700
L10400E 8525N	225	232	2100
L10400E 8550N	225	232	3150
L10400E 8575N	225	232	1440
L10400E 8625N	225	232	1420
L10400E 8650N	225	232	1540
L10400E 8675N	225	232	1160
L10400E 8700N	225	232	2950
L10400E 8725N	225	232	1460
L10400E 8750N	225	232	6900
L10400E 8775N	225	232	7100
L10400E 8800N	225	232	8300
L10400E 8825N	225	232	5600
L10400E 8850N	225	232	7100
L10400E 8875N	225	232	4100
L10400E 8900N	225	232	10000
L10400E 8925N	225	232	9300
L10400E 8950N	225	232	>10000
L10400E 8975N	225	232	8800
L10400E 9000N	225	232	7100
L10600E 8500N	225	232	1140
L10600E 8525N	225	232	2800
L10600E 8550N	225	232	3800
L10600E 8575N	225	232	9500
L10600E 8625N	225	232	4200
L10600E 8650N	225	232	5500
L10600E 8675N	225	232	6250
L10600E 8700N	225	232	>10000

CERTIFICATION: Stewart Richler

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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :2
Total Pages :3
Certificate Date: 06-MAY-98
Invoice No. : I9818093
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818093

SAMPLE	PREP CODE		Ba ppm
L10600E 8725N	225	232	9600
L10600E 8750N	225	232	6700
L10600E 8775N	225	232	8000
L10600E 8800N	225	232	4500
L10600E 8825N	225	232	7000
L10600E 8850N	225	232	>10000
L10600E 8875N	225	232	>10000
L10600E 8900N	225	232	>10000
L10600E 8925N	225	232	>10000
L10600E 8950N	225	232	9200
L10600E 8975N	225	232	7000
L10600E 9000N	225	232	>10000
L10600E 9025N	225	232	5800
L10600E 9050N	225	232	8400
L10600E 9075N	225	232	6400
L10600E 9100N	225	232	7500
L10800E 8400N	225	232	2400
L10800E 8425N	225	232	3000
L10800E 8450N	225	232	3350
L10800E 8475N	225	232	6700
L10800E 8500N	225	232	4200
L10800E 8525N	225	232	7500
L10800E 8550N	225	232	8500
L10800E 8575N	225	232	>10000
L10800E 8625N	225	232	4450
L10800E 8650N	225	232	8200
L10800E 8675N	225	232	9000
L10800E 8700N	225	232	9800
L10800E 8725N	225	232	8600
L10800E 8750N	225	232	9800
L10800E 8775N	225	232	8600
L10800E 8800N	225	232	9300
L10800E 8825N	225	232	>10000
L10800E 8850N	225	232	>10000
L10800E 8875N	225	232	8000
L10800E 8900N	225	232	>10000
L10800E 8925N	225	232	>10000
L10800E 8950N	225	232	8800
L10800E 8975N	225	232	>10000
L10800E 9000N	225	232	>10000

CERTIFICATION: Stuart Buchler

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :3
Total Pages :3
Certificate Date: 06-MAY-98
Invoice No. :19818093
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818093

SAMPLE	PREP CODE		Ba ppm
BL8600N 9000E	225	232	3900
BL8600N 9050E	225	232	1360
BL8600N 9100E	225	232	1420
BL8600N 9150E	225	232	1820
BL8600N 9200E	225	232	900
BL8600N 9250E	225	232	940
BL8600N 9300E	225	232	2300
BL8600N 9350E	225	232	6500
BL8600N 9400E	225	232	>10000
BL8600N 9450E	225	232	8800
BL8600N 9500E	225	232	5300
BL8600N 9550E	225	232	6000
BL8600N 9600E	225	232	2700
BL8600N 9650E	225	232	4800
BL8600N 9700E	225	232	3600
BL8600N 9750E	225	232	3100
BL8600N 9800E	225	232	4200
BL8600N 9850E	225	232	5400
BL8600N 9900E	225	232	3600
BL8600N 9950E	225	232	5900
BL8600N 10000E	225	232	7900
BL8600N 10050E	225	232	>10000
BL8600N 10100E	225	232	>10000
BL8600N 10150E	225	232	1860
BL8600N 10200E	225	232	7200
BL8600N 10250E	225	232	6000
BL8600N 10300E	225	232	>10000
BL8600N 10350E	225	232	>10000
BL8600N 10400E	225	232	9300
BL8600N 10450E	225	232	5400
BL8600N 10500E	225	232	6200
BL8600N 10550E	225	232	6400
BL8600N 10600E	225	232	3900
BL8600N 10650E	225	232	3800
BL8600N 10700E	225	232	>10000
BL8600N 10750E	225	232	7300
BL8600N 10800E	225	232	8500
3877	225	232	8500

CERTIFICATION: Stewart Buchan

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To: EQUITY ENGINEERING LTD.

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

A9818095

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818095

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	40	Run as received
244	13	Pulp; prev. prepared at Chemex
232	53	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	53	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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V6B 1N2

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 2
Certificate Date: 06-MAY-98
Invoice No. : 19818095
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818095

SAMPLE	PREP CODE		Ba ppm
L5600E 10025N	225	232	2850
L5600E 10050N	225	232	2500
L5600E 10075N	225	232	3500
L5600E 10100N	225	232	2900
L5600E 10125N	225	232	2000
L5600E 10150N	225	232	3800
L5600E 10175N	225	232	3000
L5600E 10200N	225	232	2900
L5800E 9700N	225	232	2200
L5800E 9725N	225	232	3850
L5800E 9750N	225	232	3000
L5800E 9775N	225	232	5300
L5800E 9800N	225	232	9500
L5800E 9825N	225	232	2900
L5800E 9850N	225	232	4900
L5800E 9875N	225	232	9600
L5800E 9900N	225	232	4900
L5800E 9925N	225	232	2500
L5800E 9950N	225	232	3300
L5800E 9975N	225	232	3200
L5800E 10000N	225	232	4800
L5800E 10025N	225	232	5400
L5800E 10050N	225	232	>10000
L5800E 10075N	225	232	>10000
L5800E 10100N	225	232	>10000
L5800E 10125N	225	232	9000
L5800E 10150N	225	232	9500
L5800E 10175N	225	232	1520
L5800E 10200N	225	232	1380
10000N 4600E	225	232	1380
10000N 4650E	225	232	1860
10000N 4700E	225	232	1360
10000N 4750E	225	232	1960
10000N 4800E	225	232	2300
10000N 4850E	225	232	7500
10000N 4900E	225	232	3800
10000N 4950E	225	232	3300
10000N 5000E	225	232	5500
BL8000N 4700E	225	232	5700
BL8000N 4900E	225	232	1780

CERTIFICATION: Stewart Buchlan

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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 : BLK98-03
Comments: ATTN: STEWART HARRIS

Certificate Date: 06-MAY-98
Invoice No. : I9818095
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818095

SAMPLE	PREP CODE		Ba ppm
BL8000N 5100E	244	232	3700
BL10000N 5050E	244	232	6300
BL10000N 5100E	244	232	7200
BL10000N 5150E	244	232	4000
BL10000N 5250E	244	232	3900
BL10000N 5300E	244	232	3600
BL10000N 5350E	244	232	5700
BL10000N 5450E	244	232	3200
BL10000N 5500E	244	232	3700
BL10000N 5550E	244	232	2800
BL10000N 5650E	244	232	3300
BL10000N 5700E	244	232	3100
BL10000N 5750E	244	232	3200

CERTIFICATION: Stewart Buchan

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

A9818096

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9818096

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-03
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 9-MAY-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	199	Run as received
232	199	Perchloric-nitric-HF digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
25	199	Ba ppm: HClO4-HNO3-HF digestion	AAS	10	10000

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number : 1
Total Pages : 5
Certificate Date: 09-MAY-98
Invoice No. : I9818096
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818096

SAMPLE	PREP CODE		Ba ppm
L9000E 8300N	225	232	2300
L9000E 8325N	225	232	4000
L9000E 8350N	225	232	1200
L9000E 8375N	225	232	3300
L9000E 8400N	225	232	1450
L9000E 8425N	225	232	1880
L9000E 8450N	225	232	1570
L9000E 8475N	225	232	1700
L9000E 8500N	225	232	1180
L9000E 8525N	225	232	2900
L9000E 8550N	225	232	800
L9000E 8575N	225	232	2700
L9000E 8625N	225	232	2750
L9000E 8650N	225	232	6500
L9000E 8675N	225	232	8800
L9000E 8700N	225	232	2400
L9000E 8725N	225	232	6900
L9000E 8750N	225	232	3300
L9000E 8775N	225	232	2000
L9000E 8800N	225	232	2900
L9000E 8825N	225	232	3600
L9000E 8850N	225	232	3800
L9000E 8875N	225	232	4200
L9000E 8900N	225	232	2600
L9000E 8925N	225	232	>10000
L9000E 8950N	225	232	>10000
L9000E 8975N	225	232	>10000
L9000E 9000N	225	232	6400
L9200E 8300N	225	232	4200
L9200E 8325N	225	232	7000
L9200E 8350N	225	232	3100
L9200E 8375N	225	232	4000
L9200E 8400N	225	232	2000
L9200E 8425N	225	232	3600
L9200E 8450N	225	232	>10000
L9200E 8475N	225	232	4200
L9200E 8500N	225	232	>10000
L9200E 8525N	225	232	7800
L9200E 8550N	225	232	2200
L9200E 8575N	225	232	2400

CERTIFICATION: Stewart Bielle

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

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

Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :2
Total Pages :5
Certificate Date: 09-MAY-98
Invoice No. : 19818096
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818096

SAMPLE	PREP CODE		Ba ppm
L9200E 8625N	225	232	2300
L9200E 8650N	225	232	2600
L9200E 8675N	225	232	1800
L9200E 8700N	225	232	7500
L9200E 8725N	225	232	9900
L9200E 8750N	225	232	5200
L9200E 8775N	225	232	9200
L9200E 8800N	225	232	>10000
L9400E 8400N	225	232	7500
L9400E 8425N	225	232	3000
L9400E 8450N	225	232	2500
L9400E 8475N	225	232	3800
L9400E 8500N	225	232	1840
L9400E 8525N	225	232	>10000
L9400E 8550N	225	232	5800
L9400E 8575N	225	232	>10000
L9400E 8625N	225	232	>10000
L9400E 8650N	225	232	8100
L9400E 8675N	225	232	2500
L9400E 8700N	225	232	2000
L9400E 8725N	225	232	7000
L9400E 8750N	225	232	>10000
L9400E 8775N	225	232	>10000
L9400E 8800N	225	232	3200
L9400E 8825N	225	232	>10000
L9400E 8850N	225	232	5000
L9400E 8875N	225	232	5800
L9400E 8900N	225	232	>10000
L9600E 8400N	225	232	>10000
L9600E 8425N	225	232	>10000
L9600E 8450N	225	232	7000
L9600E 8475N	225	232	7000
L9600E 8500N	225	232	>10000
L9600E 8525N	225	232	2500
L9600E 8550N	225	232	1960
L9600E 8575N	225	232	2350
L9600E 8625N	225	232	8500
L9600E 8650N	225	232	4300
L9600E 8675N	225	232	6000
L9600E 8700N	225	232	5900

CERTIFICATION: Hart Biddle

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Project : BLK98-03
Comments: ATTN: STEWART HARRIS

Page Number :3
Total Pages :5
Certificate Date: 09-MAY-98
Invoice No. : I9818096
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818096

SAMPLE	PREP CODE		Ba ppm
L9600E 8725N	225	232	7500
L9600E 8750N	225	232	8700
L9600E 8775N	225	232	7000
L9600E 8800N	225	232	4500
L9600E 8825N	225	232	6500
L9600E 8850N	225	232	7800
L9600E 8875N	225	232	5100
L9600E 8900N	225	232	7100
L9700E 8625N	225	232	4200
L9700E 8650N	225	232	3700
L9700E 8675N	225	232	7300
L9700E 8700N	225	232	9500
L9700E 8725N	225	232	>10000
L9700E 8750N	225	232	4200
L9700E 8775N	225	232	>10000
L9700E 8800N	225	232	>10000
L9700E 8825N	225	232	5300
L9700E 8850N	225	232	6000
L9700E 8875N	225	232	>10000
L9700E 8900N	225	232	6400
L9700E 8925N	225	232	6300
L9700E 8950N	225	232	4400
L9700E 8975N	225	232	9000
L9700E 9000N	225	232	9500
L9700E 9025N	225	232	9100
L9700E 9050N	225	232	5800
L9700E 9075N	225	232	1750
L9800E 8500N	225	232	3900
L9800E 8525N	225	232	5800
L9800E 8550N	225	232	6100
L9800E 8575N	225	232	6300
L9800E 8625N	225	232	5400
L9800E 8650N	225	232	>10000
L9800E 8675N	225	232	6800
L9800E 8700N	225	232	6600
L9800E 8725N	225	232	8300
L9800E 8750N	225	232	8500
L9800E 8775N	225	232	>10000
L9800E 8800N	225	232	7000
L9800E 8825N	225	232	>10000

CERTIFICATION: Hank Patch

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Project : BLK98-03
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Invoice No. : I9818096
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9818096

SAMPLE	PREP CODE		Ba ppm
L9800E 8850N	225	232	>10000
L9800E 8875N	225	232	>10000
L9800E 8900N	225	232	8500
L9800E 8925N	225	232	7300
L9800E 8950N	225	232	8200
L9800E 8975N	225	232	6200
L9800E 9000N	225	232	5000
L9900E 8500N	225	232	>10000
L9900E 8525N	225	232	8000
L9900E 8550N	225	232	6500
L9900E 8575N	225	232	>10000
L9900E 8625N	225	232	>10000
L9900E 8650N	225	232	8000
L9900E 8675N	225	232	4800
L9900E 8700N	225	232	>10000
L9900E 8725N	225	232	>10000
L9900E 8750N	225	232	>10000
L9900E 8775N	225	232	7200
L9900E 8800N	225	232	>10000
L9900E 8825N	225	232	8000
L9900E 8850N	225	232	8000
L9900E 8875N	225	232	8900
L9900E 8900N	225	232	4500
L9900E 8925N	225	232	8000
L9900E 8950N	225	232	2100
L9900E 8975N	225	232	9000
L9900E 9000N	225	232	3300
L10000E 8625N	225	232	8500
L10000E 8650N	225	232	9000
L10000E 8675N	225	232	7600
L10000E 8700N	225	232	7900
L10000E 8725N	225	232	7300
L10000E 8750N	225	232	8600
L10000E 8775N	225	232	>10000
L10000E 8800N	225	232	7000
L10000E 8825N	225	232	6000
L10000E 8850N	225	232	5000
L10000E 8875N	225	232	7900
L10000E 8900N	225	232	7800
L10000E 8925N	225	232	5300

CERTIFICATION: Ian Pacific

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Project : BLK98-03
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Page Number :5
Total Pages :5
Certificate Date: 09-MAY-98
Invoice No. : I9818096
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9818096

SAMPLE	PREP CODE		Ba ppm
L10000E 8950N	225	232	2300
L10000E 8975N	225	232	5300
L10000E 9000N	225	232	4600
L10000E 9025N	225	232	1000
L10000E 9050N	225	232	2900
L10000E 9075N	225	232	2300
L10000E 9100N	225	232	2400
L10100E 8625N	225	232	>10000
L10100E 8650N	225	232	5500
L10100E 8675N	225	232	2100
L10100E 8700N	225	232	8600
L10100E 8725N	225	232	>10000
L10100E 8750N	225	232	>10000
L10100E 8775N	225	232	5500
L10100E 8800N	225	232	>10000
L10100E 8825N	225	232	>10000
L10100E 8850N	225	232	7700
L10100E 8875N	225	232	7500
L10100E 8900N	225	232	6000
L10200E 8625N	225	232	4800
L10200E 8650N	225	232	6100
L10200E 8675N	225	232	2400
L10200E 8700N	225	232	6100
L10200E 8725N	225	232	5500
L10200E 8750N	225	232	>10000
L10200E 8775N	225	232	>10000
L10200E 8800N	225	232	8200
L10200E 8825N	225	232	6100
L10200E 8850N	225	232	6100
L10200E 8875N	225	232	4400
L10200E 8900N	225	232	2000
L10200E 8925N	225	232	3500
L10200E 8950N	225	232	4450
L10200E 8975N	225	232	4000
L10200E 9000N	225	232	4600
L10200E 9025N	225	232	5900
L10200E 9050N	225	232	7200
L10200E 9075N	225	232	3600
L10200E 9100N	225	232	4300

CERTIFICATION: Hank Bielle