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GEOLOGICAL SURVEY BRANCH  
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**Blackstone Resources Inc.**

**1996 DRILLING PROGRAM  
ON THE BUCK 1-4 CLAIMS**

Located on the Nechako Plateau  
Omineca Mining Division  
NTS 93F/3E  
53° 12' North Latitude  
125° 04' West Longitude

-prepared for-

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August 1996

24,549  
PART 1 OF 2

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

**FILMED**

# 1996 DRILLING PROGRAM ON THE BUCK 1-4 CLAIMS

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## 1.0 INTRODUCTION

The Buck property is located on the Nechako Plateau, approximately 120 kilometres southwest of Vanderhoof in central British Columbia (Figure 1). It is underlain by Hazelton Group volcanic and sedimentary rocks that have been cut by quartz porphyry and granitic intrusions. BP Minerals Ltd. carried out geological mapping, soil sampling and backhoe trenching on the property in 1982, identifying several strong zinc-arsenic-lead soil anomalies over an area of 900 metres by 3000 metres. Mineralization discovered by BP Minerals was insufficient to account for the soil geochemistry and the area was restaked as the Buck 1-4 claims in 1991. Limited mapping and prospecting by Western Keltic Mines Inc. in 1992 led to the recognition of stratabound pyrrhotite-sphalerite mineralization in the Rutt Zone near the northern end of BP's soil geochemical anomaly. Geological mapping, prospecting, soil sampling and geophysical surveys were carried out over the Buck property during May and June 1994 by Western Keltic, resulting in discovery of the Christmas Cake sulphide breccia and stratabound zinc mineralization along the West Slope.

In February 1996, Blackstone Resources Inc. entered into an option agreement with Western Keltic to acquire a 50% interest in the project. During this same month, Blackstone commissioned a six hole diamond drill program totalling 1,176 metres (3859'). Equity Engineering Ltd. conducted this program and has been retained to report on the fieldwork.

## 2.0 LIST OF CLAIMS

The Buck property comprises four contiguous claims totalling 80 claim units, located in the Omineca Mining Division (Figure 2). Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the Buck 1-4 claims are owned by Henry Awmack. Separate documents indicate that they are held under option by Western Keltic Mines Inc. (50%) and Blackstone Resources Inc. (50%). Claim data for the Buck property is summarized in Table 2.0.1.

**Table 2.0.1  
CLAIM DATA**

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Buck 1	300581	20	June 23, 1991	2006*
Buck 2	300999	20	June 22, 1991	2006*
Buck 3	300582	20	June 23, 1991	2006*
Buck 4	300583	20	June 21, 1991	2006*
		80		

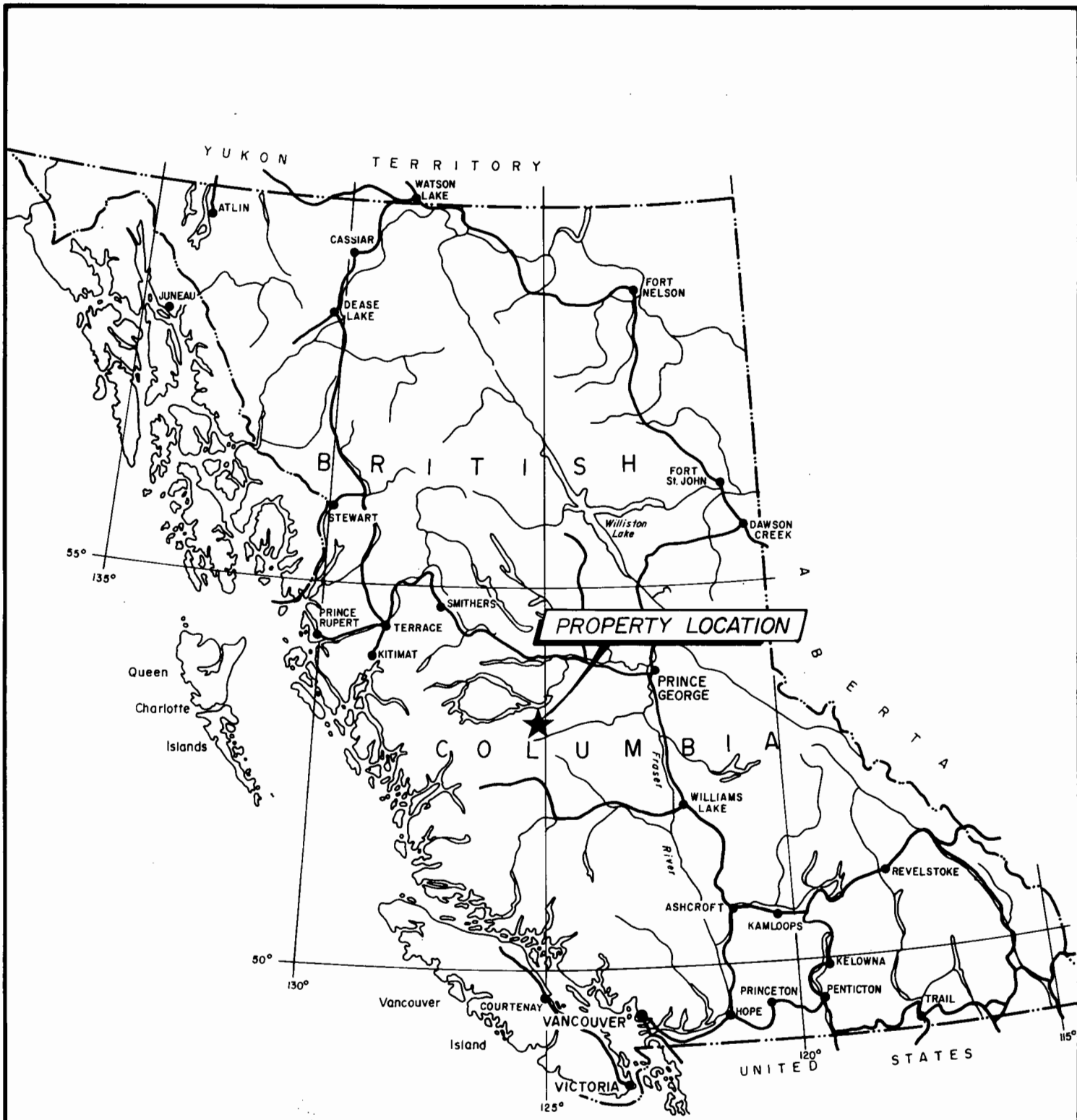
\*Subject to approval of assessment work covered by this report.

The position of the legal corner posts for the Buck 1-4 claims has been verified by the author.

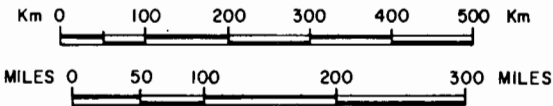
## 3.0 LOCATION, ACCESS AND GEOGRAPHY

The Buck property is situated on the Nechako Plateau of central British Columbia, approximately 120 kilometres southwest of Vanderhoof and 180 kilometres west of Quesnel (Figure 1). The claims are located within the Omineca Mining Division, centred at 53° 12' north latitude and 125° 04' west longitude.

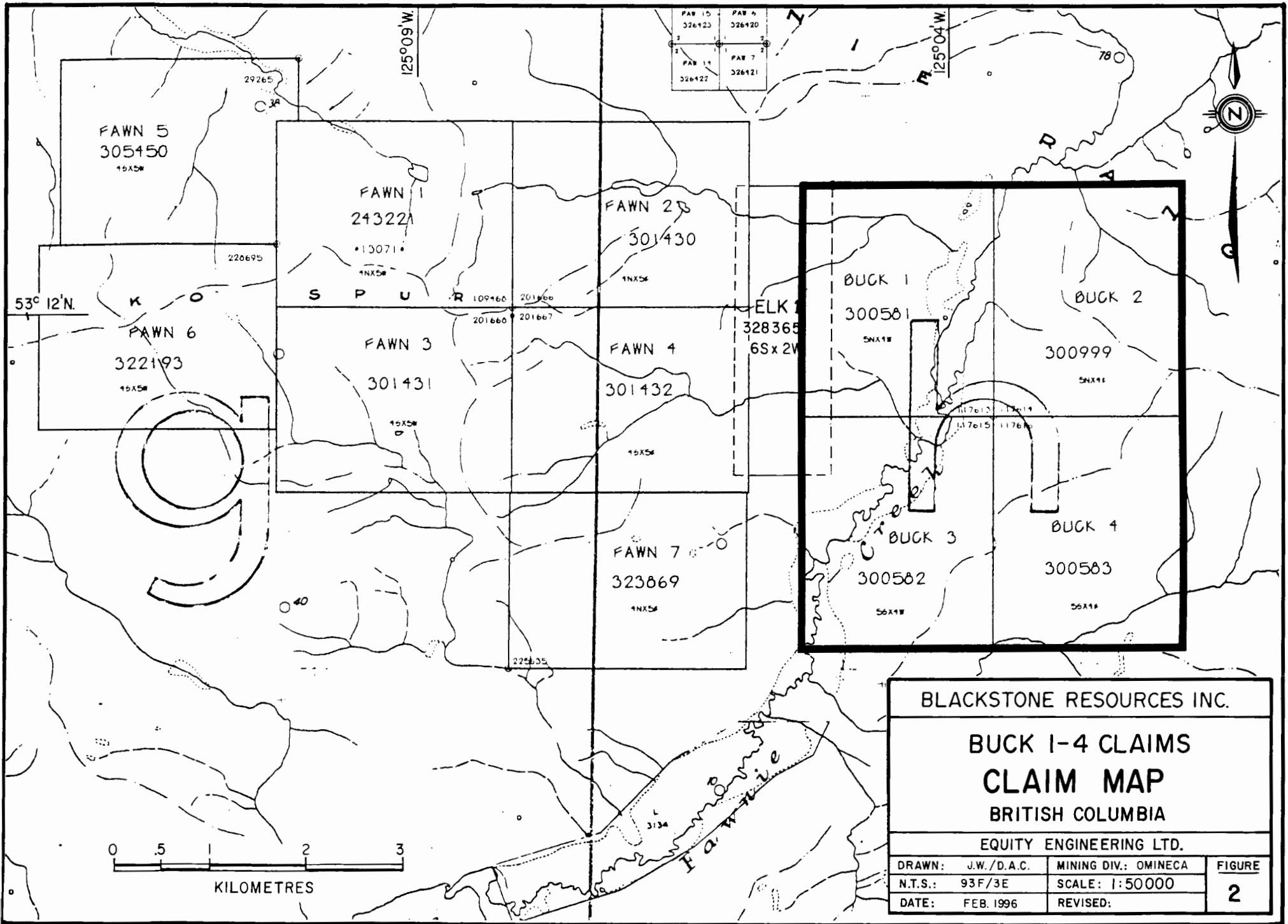
The property is accessed by the Kluskus Forest Road, which reaches the northern boundary of the property 143 kilometres south of the Plateau Forest Products mill at Engen on Highway 16. The Kluskus Road passes north-south through the middle of the Buck claims on the east side of Fawnie Creek. Three logging clear-cuts within the property are serviced by good secondary roads, one of which carries on to the



**PROPERTY LOCATION**



BLACKSTONE RESOURCES INC.		
<b>BUCK 1-4 CLAIMS LOCATION MAP</b>		
BRITISH COLUMBIA		
EQUITY ENGINEERING LTD.		
DRAWN: J.W./D.A.C.	MINING DIV. OMINECA	FIGURE
N.T.S.: 93 F/3E	SCALE: AS SHOWN	<b>1</b>
DATE: FEB. 1996	REVISED:	



BLACKSTONE RESOURCES INC.		
<b>BUCK 1-4 CLAIMS CLAIM MAP BRITISH COLUMBIA</b>		
EQUITY ENGINEERING LTD.		
DRAWN:	J.W./D.A.C.	MINING DIV.: OMINECA
N.T.S.:	93F/3E	SCALE: 1:50000
DATE:	FEB. 1996	REVISED:
		<b>FIGURE 2</b>

east as the access road to Granges' PEM prospect on Mount Davidson. The Kluskus-Malaput Forest Road, which joins with the Kluskus Forest Road one kilometre north of the Buck property, angles through the northwestern corner of the property, providing access on the western side of Fawnie Creek.

The claims straddle Fawnie Creek and cover rolling hills of the Fawnie Range on either side of it. Fawnie Creek forms a broad, swampy valley which trends north-northeasterly through the property. Upland surfaces are generally well drained with few lakes or marshes. Topography on the property is moderate, with elevations ranging from 1,020 metres on Fawnie Creek to over 1,400 metres. Outcrop exposure is fairly good at higher elevations, but becomes increasingly masked by glacial till towards the valley bottoms. Overall, the property would average less than 5% outcrop. Road cuts along the Kluskus and Kluskus-Malaput Roads expose up to 30 metres of glacial till.

The property is largely covered by spruce and lodgepole pine with a light undergrowth of huckleberry and alder. Approximately 15% of the property was clear-cut in the early 1980's, leaving logging slash with a light growth of shrubbery. The Fawnie Creek valley is swampy, covered by alder and grass. Fire traversed Fawnie Creek within the past 30 years, leaving tight tree cover in the valley bottom and along valley slopes. The Buck property is subject to a continental climatic regime, with warm summers and cold winters. Snowfall is moderate with an accumulation of one to two metres during the winter.

#### 4.0. REGIONAL AND PROPERTY EXPLORATION HISTORY

The area around the Buck property received little exploration until the late 1960's, when Rio Tinto Canadian Exploration Ltd. carried out stream and lake sediment sampling surveys throughout the Nechako Plateau, searching primarily for copper-molybdenum porphyry deposits (Hoffman, 1976). Follow-up work on one of their anomalies by Rio Canex (1969-71) and Granges Exploration Ltd./Cominco Ltd. (1976-present) led to the discovery in 1979 of the Capoose silver-gold-lead-zinc deposit approximately ten kilometres northwest of the Buck property. Reserves at Capoose have been estimated at 28 million tonnes grading 36 g/tonne silver and 0.9 g/tonne gold (Green and Diakow, 1993).

Following the recognition of a major silver resource at Capoose, BP Minerals Limited staked several other nearby high-priority silver-lead-zinc geochemical anomalies from Rio Canex's data. Their Range claims, currently covered by the Buck 1-4 property, received extensive exploration in 1982, including geological mapping, grid soil geochemistry and tractor trenching. A total of 710 soil samples were taken at 100 metre intervals from east-west soil lines which were subsequently tied into a 4.1 kilometre north-south baseline. These surveys defined a northeasterly trend of coincident zinc-arsenic-lead soil anomalies over an area of 900 by 2,400 metres, with maximum values of 10,620 ppm zinc, 920 ppm arsenic, 340 ppm lead and 508 ppm copper. Three mineralized zones were recognized, one of which was exposed by 550 metres of tractor trenching (Matysek and Smith, 1982).

Also in 1982, 76 soil samples were taken at 100 metre centres from the Rocks claim immediately west of the Range claim group. These samples returned maximum geochemical values of 745 ppm zinc, 390 ppm lead and 5.2 ppm silver, effectively extending the anomalous trend on the Range claims by 600 metres (Holt, 1982). No analyses were made for arsenic. The Rocks and Range claims were allowed to lapse and were re-staked as the Buck 1-4 claims in June 1991.

In 1992, Western Keltic Mines Inc. carried out an initial exploration program of geological mapping, prospecting and soil sampling on the Buck property, taking 59 rock samples, 2 stream sediment samples and 52 soil samples. Several of BP Minerals anomalous soil sample sites were located and re-sampled, substantiating the reported anomalies. Stratabound pyrrhotite-sphalerite mineralization was discovered in the "Rutt Zone" and traced along 450 metres of strike length within the northern end of the soil geochemical anomaly (Caulfield, 1992).

The BC Geological Survey undertook regional lake sediment (Cook and Jackaman, 1994) and basal till (Levson et al, 1994) sampling programs throughout portions of the 93F map sheet in 1993, taking

one lake sediment sample and 7 till samples from the Buck claims. One of the till samples, taken 2,200 metres south of the Rutt Zone, contained the highest lead, zinc, antimony and arsenic values received from all 171 samples in the regional survey. A second till sample exceeded the survey's 95th percentile in arsenic, lead and zinc, and its 90th percentile in gold and antimony.

During May and June of 1994, Western Keltic Mines Inc. carried out their second exploration program on the Buck property, consisting of grid establishment, geological mapping, prospecting, soil sampling and magnetometer/VLF surveying (Baknes and Awmack, 1994b). A total of 46 rock samples, 16 whole rock samples, 9 stream sediment samples and 531 soil samples were taken. Float boulders assaying up to 4.69% zinc were found over a one kilometre distance on the cut bank of the Kluskus Road. These samples are likely derived from sources on the West Slope, a large area of poor exposure marked by a strong multi-element soil geochemical anomaly and a series of conformable magnetic and conductive features. Another significant discovery was the Christmas Cake massive sulphide showing. Chip samples of this material assayed up to 7.38% zinc, 2.25% lead and 541.7 g/t silver. This mineralization consists of breccia with a crystalline sulphide matrix supporting fragments of felsic volcanics and fine-grained pyrite.

## 5.0 1996 DIAMOND DRILL PROGRAM

Six BTW diamond drill holes totaling 1,176 metres (3859') were drilled in February 1996 by Blackstone Resources Inc., which is earning a 50% interest in the Buck property from Western Keltic. The objective of the drilling was to test known mineralized showings (Rutt Zone, Christmas Cake breccia), geophysical/soil geochemical anomalies and to obtain information on the volcanic stratigraphy. Core was logged by the author, split and analyzed for gold-arsenic-antimony plus 24 elements by ICP geochemistry (Appendix C). All core is stored on site in a core rack located on a switchback at 8750N, baseline. Drill logs are attached in Appendix D. Drilling, site preparation and drill moves were efficiently carried out by Falcon Drilling Ltd., of Prince George, B.C., using their F-1000 drill and D5 dozer. Water was supplied to the drill by Gallant Trucking of Kamloops B.C. .

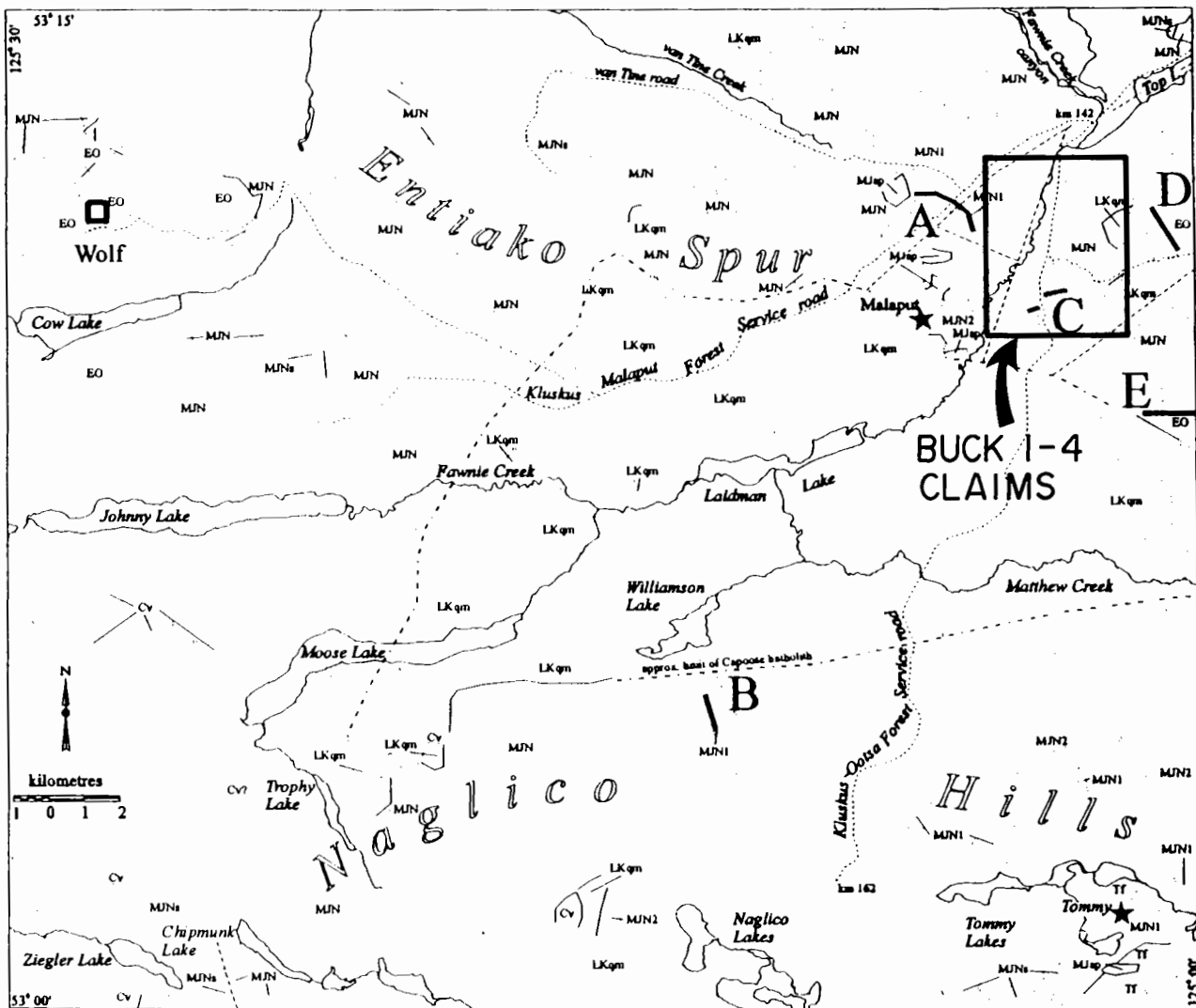
## 6.0 REGIONAL GEOLOGY

The British Columbia Geological Survey carried out 1:50,000 scale regional mapping over map-sheet 93F/6 in 1992 (Green and Diakow, 1993; Diakow and Green, 1993). This mapping was extended to the south over map-sheet 93F/3, which covers the Buck property, in 1993 (Diakow and Webster, 1994; Diakow et al, 1994). Their mapping shows Jurassic Hazelton volcanics and sediments intruded by the Cretaceous Capoose Lake Batholith and unconformably overlain by Eocene Ootsa Lake subaerial volcanics and younger plateau basalts (Figure 3).

The Early to Middle Jurassic Hazelton Group rocks in the vicinity of the Buck property have been assigned by Diakow and Webster (1994) to their informal Naglico Formation of silica-bimodal volcanic rocks and Bajocian intravolcanic sediments which are gradationally overlain by Callovian marine sediments. The lower division of this formation consists of "crudely layered fragmental and lesser flow rocks of rhyolitic composition, and local maroon and green andesitic tuffs deposited in a subaerial environment" (Unit MJN1). The upper division is dominated by mafic and intermediate lavas (Unit MJN2), interpreted by Diakow and Webster (1994, p. 19) to be deposited in a shallow marine environment with local subaerial conditions. Green and Diakow (1993) report that a section of the upper division exceeds 1,000 metres in thickness on Tutiai Mountain, twenty kilometres northwest of the Buck property. Augite porphyry plugs (Unit MJap) west of the Buck claims are thought to be cogenetic with upper division Naglico Formation volcanics.

Wide-spread, irregularly-distributed, marine sedimentary rocks (Unit MJNs) are intercalated with Naglico Formation volcanics, interpreted as basins between coalescing volcanic centres. The marine sediments become dominant in the stratigraphically highest Middle Jurassic exposures. Main lithologies include feldspathic sandstone and siltstone, tuffaceous argillite, locally prominent volcanic conglomerate





**LEGEND**

**STRATIFIED ROCKS  
MIOCENE TO PIOCENE**

Chilcotin Group  
Cv Olivine basalt

**EOCENE**

Ootsa Lake Group  
EO Rhyolite and andesite flows, quartz-bearing lapilli tuffs, tuffaceous siltstone

**MIDDLE JURASSIC**

Hazelton Group (Naglico Formation)  
MJNs Fine to coarse-grained, fossiliferous volcanoclastics  
MJN2 Basalt and andesite flows and lapilli tuffs  
MJN1 Rhyolite flows, ash-flow tuffs and lapilli tuffs

**INTRUSIVE ROCKS  
TERTIARY**

Tf Felsite sills  
**LATE CRETACEOUS**  
Capoose Lake Batholith  
LKqm Equigranular quartz monzonite, with lesser quartz diorite and quartz porphyry  
**MIDDLE JURASSIC**  
MJap Mafic augite-plagioclase porphyry plugs

Geology modified from Diakow and Webster (1994).

**SYMBOLS**

- Geological contact.....
- Fault.....
- Potential epithermal prospect.....★
- Geological section.....
- Outcrop limit.....



**BLACKSTONE RESOURCES INC.**

**BUCK 1-4 CLAIMS  
REGIONAL GEOLOGY**

**BRITISH COLUMBIA**

**EQUITY ENGINEERING LTD.**

DRAWN: J.W./D.A.C.	MINING DIV.: OMINECA	FIGURE
N.T.S.: 93 F/3	SCALE: 1:200,000	
DATE: FEB. 1996	REVISED:	<b>3</b>

and scarce limestone. Fossils are common in the sedimentary rocks, with most of indeterminate or probable Middle Jurassic age and at least one Early Bajocian collection (Diakow and Webster, 1994).

The Jurassic stratigraphy was intruded by the Late Cretaceous or Paleocene Capoose Lake Batholith (Unit LKqm), a 250 km<sup>2</sup> pluton which extends southwesterly for at least 20 kilometres from the southwestern corner of the Buck claims. Its main phase consists of light coloured, medium- to coarse-grained, equigranular quartz monzonite, although its composition is locally granodioritic or quartz dioritic. Andrew (1988) reports a biotite K-Ar date of 64.3±2.4 Ma for the batholith. Miarolytic quartz porphyry dykes and plugs cut Hazelton Group sediments, but not Ootsa Lake Group volcanics, on the Buck property. These were interpreted by Diakow and Webster (1994) to be subvolcanic apophyses projecting from the Capoose Lake Batholith. In the absence of age dating, they could equally well be subvolcanic feeders to the Hazelton Group rhyolites.

Flat-lying to moderately dipping, subaerial volcanics of the Ootsa Lake Group (Unit EO) unconformably overlie older Mesozoic rocks. Potassium-argon dating of Ootsa Lake rocks at the Wolf prospect gave an age of 48±2 million years (mid-Eocene). The Ootsa Lake volcanics consist of calc-alkaline andesite to rhyolite. North of the Natakoz Fault, a northeasterly trending fault which passes 25 kilometres northwest of the Buck claims, Ootsa Lake volcanics cover an extensive area, with a 750 metre stratigraphic section. South of the fault, the Ootsa Lake Group forms thin isolated cappings on older rocks.

Miocene plateau basalts of the Chilcotin Group (Unit Cv) unconformably overlie all other units.

Low grade regional metamorphism and weak deformation are pervasive on the Nechako Plateau. Contact metamorphism is pronounced around intrusives. The Hazelton volcanics appear more strongly deformed in comparison to other rock types, with dips of up to 70°. At the Capoose deposit, ten kilometres northwest of the Buck property, bedding dips moderately (20-40°) to the southwest, with a synclinal fold axis plunging at 10° to the southeast (Andrew and Godwin, 1987). The Ootsa Lake Group volcanics were deposited in a period of extensional tectonism. Another period of deformation during the Oligocene produced broad open folds in the Ootsa Lake Group volcanics and sediments. The relatively undeformed Chilcotin Group consists of generally flat-lying to gently easterly dipping plateau lavas (Tipper, 1963).

Several styles and ages of mineralization have been documented in the vicinity of the Buck property. Immediately to its west, the Fawn epithermal gold-silver prospect consists of chalcedony-sulphide breccias and stockworks within linear zones of strong sericite-clay alteration of the enclosing upper division Naglico Formation andesites. Four east-west structural zones with a cumulative length of 6,400 metres have been delineated by VLF-EM surveys on the Fawn property. The first drill hole across one of these returned 8.1 metres grading 2.0 g/tonne gold (Baknes and Awmack, 1994).

The Capoose silver deposit, located ten kilometres northwest of the Buck property, is hosted by Naglico Formation mafic flows, rhyolite tuff, argillite and lithic wacke intruded by Late Cretaceous quartz-garnet rhyolite sills related to the Capoose Lake Batholith. Mineralization consists of pyrite, sphalerite, galena, chalcopyrite and arsenopyrite in disseminations, fracture-fillings and replacing garnets, and is thought to be Late Cretaceous in age (Andrew, 1988). The Capoose deposit contains 28 million tonnes grading 36 g/tonne silver and 0.9 g/tonne gold (Green and Diakow, 1993). The Capoose Lake Batholith itself has been explored for porphyry-style copper-molybdenum mineralization a few kilometres west of the Capoose deposit.

Eleven kilometres east of the Buck property, the PEM prospect is underlain by Naglico Formation felsic to intermediate tuffs, lapilli tuffs, breccias and flows, intercalated with argillite, siltstone and sandstone. Disseminated and shear-hosted mineralization occurs in a steeply-dipping, structurally-controlled zone of phyllic and argillic alteration at least 900 metres long, with introduction of 3-4% sphalerite and 1-2% pyrite (Schroeter and Lane, 1994). Zbitnoff (1988) reports drill intersections up to 6.3 metres grading 14.3 g/tonne gold, 27 g/tonne silver and 1.25% zinc. Textural evidence suggests that PEM mineralization may be genetically similar to that of Capoose.

Little information has been made public about Teck Corporation's Tommy epithermal prospect, located 18 kilometres south of the Buck property (Figure 3). Steeply-dipping, low-sulphide quartz veins cut quartz-feldspar-phyric rhyolite flows and ash tuffs of the Naglico Formation. Tommy was discovered by BCGS regional mapping crews in 1993, with initial surface samples assaying 2.5-3.7 g/tonne Au and 1.4-41.8 g/tonne Ag (Lane and Schroeter, 1995). Teck has subsequently carried out several programs of trenching and drilling, without releasing any results.

The Wolf epithermal gold-silver prospect, located 25 kilometres west of the Buck property (Figure 3), is hosted by Eocene Ootsa Lake Group rhyolitic flows, tuffs and subvolcanic intrusives. Repeated low-sulphide silicification, brecciation and stockwork veining have been accompanied by up to 8.49 g/tonne gold and 42.2 g/tonne silver across 7.5 metres in trenching (Cann, 1984). It has been suggested that the Wolf deposit may have been related to maar (Andrew et al, 1986), collapse caldera (Andrew, 1988) or hot-spring (Andrew, 1988) paleo-environments.

## 7.0 PROPERTY GEOLOGY

The Buck property is underlain by a sequence of Lower to Middle Jurassic Hazelton Group rhyodacites and andesitic volcanics with associated sediments and epiclastics, corresponding to Diakow and Webster's Naglico Formation (Figure 4). These stratified rocks have been intruded by Cretaceous and possibly Jurassic granitic stocks and dykes. The Mesozoic units are in turn overlain by later Tertiary Ootsa Lake rhyolites, which form a capping sequence at higher elevations on the eastern part of the property (Figure 3).

Detailed mapping was conducted in 1994 (Baknes and Awmack, 1994b); the following geological description has been abridged from the 1994 report and modified to encompass lithological information obtained during the drill program (marked with \*). Table 7.0.1 is a descriptive legend for the lithologies encountered on the Buck claims.

**TABLE 7.0.1**  
**DETAILED LITHOLOGICAL LEGEND**

### JURASSIC-CRETACEOUS

#### *Subvolcanic Intrusions*

- |           |  |
|-----------|--|
| <b>QP</b> | <b>GRANITE - QUARTZ FELDSPAR PORPHYRY</b><br>Pink to flesh-coloured, variable from medium to coarse-grained, equigranular to crowded quartz-feldspar porphyry with pink aphanitic groundmass. Very minor chloritized mafics, minor muscovite and biotite and local fine-grained specular hematite. Porphyritic to aphanitic near contacts. Intrusive margins variably altered to muscovite/sericite, ankerite and rare epidote, associated with rare disseminated pyrite and sphalerite. |
| <b>GR</b> | <b>GRANITE</b><br>Equigranular to feldspar porphyritic. Has similar appearance to matrix of RDh and RDi, locally abundant xenoliths of similar composition. Also includes intrusion breccia where matrix has maroon colour, locally silicified. No epidote alteration.   |

### EARLY TO MIDDLE JURASSIC

#### *Hazelton Group (Naglico Formation)*

- |           |  |
|-----------|--|
| <b>AN</b> | <b>ANDESITES</b>   |
|           | <b>ANa Augite Porphyry</b><br>Dark green, with 1-5 mm augite phenocrysts (7-15%) in a dark green, often chloritic, fine to medium-grained groundmass. 1-2 mm feldspar crystals (10-50%) prevalent. In rare exposures, augite phenocrysts greater than 1 cm and up to 6 cm. |

**TABLE 7.0.1 (cont'd.)  
DETAILED LITHOLOGICAL LEGEND**

**ANb Amygdaloidal Andesite**

Dark-medium green, brown weathering, fine grained with <5% 0.1-1 mm zoned plagioclase phenocrysts and minor chloritized mafics. 1-5% 1-5 mm quartz ± calcite filled flattened amygdules. Also non-porphyrific and massive andesite equivalents.

**ANc Augite and Feldspar-Bearing Crystal-Lapilli Tuff**

Dark to medium green, brown to grey-green weathering, variable tuff to lapilli and rare breccia tuff or flow breccia. Generally unsorted mixture of ANa and ANb angular to subangular clasts in a chloritic matrix containing feldspar and indistinct augite crystals and crystal fragments. Rarely contains belemnite fossils.

**And Maroon Feldspar Porphyritic Andesite Flow**

Aphanitic maroon to grey-green matrix with <5% 0.5-1 mm anhedral feldspar phenocrysts. Locally flow-banded. Rare rounded blocks of RDh. Minor hackly flow breccia.

**ANe Maroon Andesite Flow Breccia**

Angular maroon fragments of crystal-poor feldspar porphyry in a matrix of very fine-grained to cm-scale fragments similar to ANd. Some vesicular fragments and local concentrations of possible felsic fragments.

**RD**

**RHYOLITE-DACITE**

**RDa Rhyolite Breccia**

Medium grey to white, buff to white weathering. Matrix is pale grey-green (sericite-altered), siliceous aphanitic groundmass supporting feldspar crystals and crystal fragments. Matrix consists of both siliceous crystal tuff and magmatic material of rhyodacite composition similar to fragments. Fragments are largely angular with lesser rounded fragments typically ranging from 0.5-1 cm and >2 cm with rare fragments >50 cm. Breccia is largely framework supported with fragments consisting of texturally variable rhyolite and dacite feldspar porphyry (RDj), andesite (AN units), flow banded rhyodacites, and rare argillaceous fragments. Fragments are rarely ankerite-sericite ± hematite altered, may contain disseminated sulphides.

**RDb Pale to Medium Grey Fossiliferous, Felsic Lapilli Tuff**

Pale to medium grey siliceous fine-grained tuff matrix with a minor argillaceous component and containing 1-2 mm feldspar crystals and crystal fragments. Fragments are mainly angular 0.2-4 cm and up to 40 cm, dominantly variably textured feldspar porphyry (RDj), andesite (AN units) and dark grey and green argillite-ash tuff (Etb). In some outcrops, beds of pumice are associated with fine-grained interlaminated epiclastics and argillaceous sediments. Locally abundant fossils include belemnites, ammonites and bivalves. Local 1-10 cm accretionary lapilli. Alteration is not extensive, although some lapilli are moderately sericite and ankerite altered.

**RDc Dark Grey, Highly Fossiliferous, Argillaceous, Felsic Crystal to Lapilli Tuff**

Dark grey to black, moderately siliceous and argillaceous, calcareous and weakly carbonaceous matrix containing 3-10%, 1-2 mm feldspar crystals and crystal fragments. May exhibit graded bedding and load casting. Fragments mainly angular 0.2 - 4 cm: feldspar porphyry (RDj) felsic fragments > white felsic ash tuff > black argillite. Fossils more prevalent than in unit RDb, including belemnites and bivalves. May contain accretionary lapilli up to 5 cm. Alteration in the L14S Trench area is notable as strongly ankerite-sericite altered sedimentary and volcanic lapilli.

**TABLE 7.0.1 (cont'd)**  
**DETAILED LITHOLOGICAL LEGEND**

**RDd Amygdaloidal Dacite Flow**

Pale grey, white to buff weathering with common earthy hematite stain. Fine-grained to aphanitic and aphyric to weakly feldspar porphyritic with <10%, 1-2 mm feldspar laths and rare 1 mm quartz eyes. Varies from massive to commonly amygdaloidal with up to 10%, 3-5 mm tear-drop shaped carbonate, chlorite quartz and sulphide filled amygdules. In L14S Trench area unit is pervasively ankerite altered.

**Rde Felsic Crystal-Ash-Lapilli Tuff**

White to buff weathering, locally hematite stained, rhythmically bedded, crystal (feldspar > quartz) beds (20 cm or greater) > ash beds (2 mm), rare lapilli clasts. Fossils are rare, but include ammonites and belemnites. Load casts and graded bedding. Unit is often mineralized with disseminated and stringer pyrrhotite, pyrite, sphalerite and trace galena.

**RDf Felsic to Intermediate, Buff, Bedded Ash-Feldspar Crystal Tuff**

Buff to pale greenish grey weathering, medium grey, finely bedded mm to cm thick beds of fine felsic to intermediate ash to coarser sand-sized feldspar crystals and less often lapilli. Bedforms such as rip up clasts and ball and pillow structures evident. Unit is less siliceous than unit RDe. Rare fossils include ammonites and belemnites.

**RDg Rhyodacite Quartz-Feldspar Porphyry Flow**

White weathering pale grey rhyodacite quartz-feldspar porphyry. 5-10% 1 mm feldspar phenocrysts, 3-7% 2 mm resorbed quartz phenocrysts in a siliceous and aphanitic groundmass, rarely contains possible fiamme and is locally flow brecciated. Individual, less than 2 m thick, flow units are locally evident.

**RDh Massive Maroon Rhyodacite Quartz-Feldspar Porphyry Flow**

Maroon quartz feldspar porphyry texturally very similar to RDg.

**Rdi Maroon Quartz-Feldspar Porphyry Flow Breccia**

Abundance of variably textured quartz-feldspar porphyry fragments from cm to m scale in a matrix of compositionally similar quartz feldspar porphyry (RDh) and felsic lapilli tuff and breccia. Ubiquitous epidote ± plagioclase alteration in matrix.

**RDj Feldspar Porphyry\***

Pale green to white, 1-3 mm feldspar subhedral to euhedral phenocrysts (10-20%), randomly oriented, supported in a pale green, locally siliceous aphanitic matrix, rare faint flow banding and alignment of phenocrysts

**RDk Plagioclase and Orthoclase Porphyry\***

Light green to pink, 3-5 mm pink, euhedral orthoclase?(5%) and 1-3 mm white plagioclase (10%) phenocrysts supported in an aphanitic matrix.

**RDI Lapilli Tuff\***

Pale grey-green to black, characterized by argillite and green siltstone clasts. Belemnite fossils.

**RDm Lapilli Tuff\***

Pale green, layered unit with planar fabric. Very similar to Rda.

**TABLE 7.0.1 (cont'd.)  
DETAILED LITHOLOGICAL LEGEND**

**ET EPICLASTICS, TUFFS and SILTSTONES**

**Eta Green, Massive to Poorly Bedded, Argillite to Volcanic Siltstone With Rare Chert Pebbles**

Light green, well-sorted. Varies from, massive rarely bedded fine-grained siltstone or quartz-rich greywacke, locally containing sparse chert pebbles, to fine-grained, dark green massive argillite-siltstone with rare spherical concretions or accretionary lapilli.

**Etb Pale Green Volcanic Siltstone-Greywacke**

Greenish-grey weathering, fine to coarse-grained immature sandstone or lesser siltstone containing feldspar, quartz, chert and argillaceous grains, rare large rounded clasts with chilled margins (bomb?), poorly sorted and often having convoluted and disrupted lensoidal to lenticular bedding, load casts and syndepositional faults. Locally highly fossiliferous containing up to 10-15% carbonate replaced bivalves and lesser belemnites. Situated near the hanging wall andesites and augite porphyries.

**Etc Black Non-Sulphide-Bearing Siltstone and Argillite**

Medium to dark grey weathering, black, noncalcareous to weakly calcareous, weakly carbonaceous, fine-grained siltstone and argillite with minor grit and chert pebble layers. Laminated to thin-bedded, wispy sandy layers locally present. May contain rare calcareous siltstone concretions and peculiar nested "oolitic" concretionary structures. Belemnite and bivalve fossils. Locally, 1-2% finely disseminated diagenetic euhedral pyrite.

**Etd White Weathering Argillite, With Conchoidal Fracture and Concretions**

Very distinctive white weathering dark grey siltstone with well developed conchoidal fracture.

**Ete Finely Laminated, Banded Grey Argillite-Siltstone and Felsic Ash Tuff**

Striped grey and black, rhythmic, laminated to thin bedded 0.1-2 cm (up to 10 cm) beds of dark grey to black argillite-siltstone and felsic buff weathering ash tuff to crystal tuff and rarely felsic lapilli tuff. May be carbonaceous with graphite development on slips. Unit is moderately fossiliferous with local concentrations of belemnites. Unit is often mineralized with disseminated and stratabound pyrrhotite and locally with sphalerite.

**ETf Siltstone with feldspar porphyry clasts\***

Pale green, laminated silty matrix (very similar to Etb) with larger, subrounded to subangular feldspar porphyry clasts to 3 cm, debris flow?

The Hazelton Group rocks on the Buck claims can be grossly subdivided into 4 basic subdivisions from oldest to youngest: 1) subaerial felsic to intermediate volcanics (Units RDh-j, ANd, ANe); 2) deeper water epiclastics, tuffs and siltstones and andesite (Units ET and ANa); 3) shallow submarine to subaerial felsic rocks comprised of felsic flows, volcanic breccias, lapilli tuffs and ash and crystal tuffs (Units RDa-g, RDI, RDm); 4) submarine andesitic volcanic and subvolcanic augite porphyries, amygdaloidal andesites and crystal lithic tuffs and epiclastics (Units ANa-c, Eta, ETb, ETf).

The lowest rocks exposed on the Buck claims consist of maroon rhyodacite quartz feldspar porphyry flows, flow breccias and andesites. The absence of epiclastic rocks and marine fossils and the oxidized nature of the volcanics suggests that the maroon volcanics were deposited in a subaerial environment. Exposures of fine-grained andesite, displaying concentric rings of hematite (Liesegang rings), occur up section from the deep maroon lithologies on the west side of the Kluskus Road (Unit ANb,d). Less than 500 metres north of these andesites, there are exposures of stratigraphically higher, completely unoxidized quartz-feldspar porphyry and drill intercepts (BCK96-06) of feldspar porphyry flows; this progression from oxidized to unoxidized lithologies, accompanied by the appearance of epiclastics

likely indicates the succession from a subaerial to submarine depositional environment. Another subcrop exposure of quartz feldspar porphyry volcanics, likely equivalent to that mentioned above, occurs where line 8700N intersects the Kluskus Road.

The felsic volcanics exposed on the Kluskus Road are overlain by a roughly 300 metre thickness of finely laminated, banded grey argillite-siltstone and felsic ash tuff (Unit ETe), interlayered with augite porphyry flows and or sills (Unit ANa). Unit ETe likely represents deeper water sedimentation with episodic accumulations of waterlain tuff from a fairly distal volcanic source. A contrast in the volcanic-sedimentary sequence, between the north end of the grid and the area south of line 8500N may be caused by facies changes or by offset along an inferred northeast trending fault passing through the baseline at 8900N. South of the fault, the sequence of interlayered units ETe and ANa pass into a monotonous section of black siltstone and argillite (Unit ETc,d). North of the fault, sediments give way to siliceous felsic ash, crystal and lapilli tuffs (Unit RDe), which are host to the Rutt Zone mineralization. In the north, the felsic tuffs grade upward into fine-grained, felsic to intermediate crystal tuffs, which are truncated to the east by quartz feldspar porphyry (Unit QP). In the south, the black siltstones pass into green and grey, fine-grained volcanic sandstones, siltstones and argillites (Unit ETa) with interlayered andesite and augite porphyry flows and sills (Unit ANa). These sediments indicate the transition from deep water terrigenous sedimentation into an environment of volcanoclastic accumulation.

In the L14S Trench area, the epiclastic and volcanoclastics give way to a complex stratigraphy characterized by felsic tuffs (Units RDe), felsic amygdaloidal flows (Unit RDd), fossiliferous felsic and argillaceous lapilli tuffs (Units RDb-c), and rhyolitic volcanic breccias. A distinctive ankerite breccia lies at the southwest corner of the L14S exposures. The breccia is comprised largely of angular 3-4 cm fragments of strongly ankerite-sericite altered siltstone and felsic volcanics in a matrix of sparry iron carbonate and smaller rock fragments. Adjacent felsic lapilli tuffs contain ankerite altered clasts in what appears to be an unaltered matrix, suggesting the breccia and associated alteration formed prior to, or contemporaneous with deposition of the volcanoclastics. In some respects, the ankerite breccia resembles a clastic breccia, like those which form in response to syndepositional faulting. The breccia coincides with a prominent north trending, roughly conformable, penetrative fault zone of unknown age. Felsic lapilli units in the L14S trench area contain an abundance of marine fossils including bivalves, possibly bryozoans, and belemnites. These units also contain pumice rich beds and rare accretionary lapilli in finer tuff units. These features are suggestive of a shallow marine volcanic depositional environment with at least episodic subaerial volcanic activity. Features of the felsic breccias relevant to their mode of formation are, short lateral extents, existence of both clastic and magmatic matrix, confined to the L14S Trench area and occurrence at different stratigraphic levels. There is also a suggestion that units "pinch out" in the area of the felsic breccias. These features imply that the felsic breccias and associated dacitic flows or dykes represent a flow-dome complex with associated pyroclastic deposits. The existence of several felsic breccias, at seemingly successively higher stratigraphic positions, suggests several felsic effusive and eruptive events. Felsic breccias like those in the L14S Trench are unique to that area, but fossiliferous felsic lapilli tuff units (Unit RDb,c) outcrop discontinuously 600 metres north, and fossil-bearing argillaceous crystal-lapilli tuffs are exposed approximately 1600 metres south of the L14S Trench area.

Good outcrop exposure to the north of the L14S Trench area reveals a complex stratigraphy of fossiliferous felsic lapilli tuffs, crystal tuffs, felsic and intermediate (andesitic) volcanoclastics and epiclastics, with interlayered intermediate to possibly felsic flows. This sequence is finally capped by a poorly exposed, but likely significant, thickness of augite porphyritic volcanics and volcanoclastics.

The fossil assemblage, in addition to defining a shallow depositional environment, is similar to fossil assemblages found elsewhere in the Hazelton Group which indicate a Lower to Middle Jurassic age (Bajocian-Toarcian).

Two faults have been mapped along prominent topographic linears; otherwise the stratigraphy seems to lay in a simple homoclinal sequence with strata striking northerly and dipping 25° to 65° to the east.

## 7.1 Mineralization

Mineralization on the Buck claims occurs in several different habits and is likely related to different mineralizing events. In general sense, there are three types of base metal+/-gold-silver mineralization:

1. Zinc-lead+/-silver associated with and contained within carbonate-sericite altered granitic quartz-feldspar porphyries (Unit QP),
2. Conformable, zinc-dominated (lesser lead, copper), mineralization (i.e. Rutt Zone) of that may represent a volcanogenic massive sulphide type system or replacement style mineralization in favourable stratigraphic units,
3. Structurally-controlled breccia (Christmas Cake showing) with zinc-lead-copper-silver values likely related to granitic quartz-feldspar porphyries (Unit QP), and
4. Epithermal calcite-quartz vein systems containing lead-zinc-gold-silver values.

For a detailed description of the surface mineralization and sample results, the reader is referred to the 1994 property report (Baknes and Awmack, 1994b). The latter three mineralizing types were intersected in drilling and are described in detail below.

## 8.0 DIAMOND DRILLING

Six holes were drilled on the Buck property from five widely spaced sites to test known showings (Rutt Zone, Christmas Cake breccia), geophysical/soil geochemical anomalies and to obtain stratigraphic information. Table 8.0.1 summarizes location, orientation and drilling depths for the 1996 holes. Figure 4 shows the location plan of these holes whereas drill sections with analytical values are illustrated in Figures 5-19. Analyses below detection limits are plotted on the sections at one half the detection limit.

**Table 8.0.1**  
**Drill Hole Survey Data**

Hole	Azimuth	Dip	Total Depth (m)	Collar Coordinates
BCK96-01	290°	-70°	398.7	9054N 5003W
BCK96-02	290°	-46°	68.0	8784N 4835W
BCK96-03	290°	-63°	70.7	8784N 4835W
BCK96-04	290°	-55°	216.1	8501N 5370W
BCK96-05	290°	-55°	202.1	7290N 5695W
BCK96-06	290°	-54.5°	220.7	7966N 5071W
			<b>1,176.3</b>	

### Hole BCK96-01

Hole BCK96-01 (-70°) tested the Rutt Zone showings exposed along the fire guard in the northwest corner of the cut block, in addition to Cu-Zn-As soil geochemistry and magnetometer-VLF-EM conductors occurring down the west slope of Rutt hill. The hole can be subdivided into three packages: a highly variable, upper section of shallow water felsic lapilli, crystal and ash tuffs, a middle section of andesite and finely laminated, grey argillite, siltstone and felsic ash tuff, likely indicative of deeper deposition which in turn overlies a thick sequence of feldspar porphyry flow. This feldspar porphyry intersected in bottom of the hole represents the dominant fragment type in lapilli units up section and is a probable feldspar source for the crystal tuff units. To date, this unit has not been mapped on surface. Texturally, the unit is massive, although flow banding was noted in some areas. Overall, the hole was noted by the drill crew to be quite hard due to the pervasive silicification and local biotite hornfels.



Rutt Zone mineralization, consisting of disseminated and fracture-controlled sulphides in interbedded lapilli, feldspar crystal and ash tuffs, was intersected from 39.2 to 96.0 metres. Sulphides (3-5%) are mostly pyrrhotite>sphalerite with trace to minor pyrite, chalcopyrite, galena and arsenopyrite with the strongest sulphide section occurs from 87.9 to 96.0 metres (Table 8.0.2). The grade of the drill intercepts are an order of magnitude less than the surface grab sample results, reflecting perhaps, the larger and more systematic drill samples. Undoubtedly, shorter sections of the core would contain values similar to the surface results. The Rutt Zone is marked by a slight increase in potassium, reflecting the presence of sericite alteration; lead and arsenic values are more variable increasing in areas of quartz-calcite veining.

The second zone of mineralization occurs further down the hole at the contact between feldspar crystal-ash tuff and underlying feldspar porphyry. Within the volcanoclastic unit (290.3 to 297.2 m), the mineralization is comprised of disseminated and stringer pyrrhotite>pyrite (3-7%), lesser sphalerite and chalcopyrite. The underlying sericite altered feldspar porphyry flow contains 3-5% pyrite>pyrrhotite, sphalerite and chalcopyrite as disseminations and stringers from 297.2 to 304.5 metres (Table 8.0.2). The transition from the crystal-ash tuff to feldspar porphyry is marked by increased silver, potassium, lead and arsenic values.

The occurrence of chalcopyrite-pyrite-quartz-chlorite veinlets near the bottom of the hole, from 374.0 metres to the end of the hole is accompanied by an increase in copper and precious metal values. The strongest vein density, at a depth of 394.0 to 398.0 metres, averaged 1275 ppb Au, 23.3 Ag ppm and 1066 ppm Cu (Table 8.0.2). The hole ended in the feldspar porphyry flow at 398.7 metres.

**Table 8.0.2**  
**Significant Intercepts - BCK96-01**

Sample	From (m)	To (m)	Width (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
107596	87.9	89.9	2.0	<5	0.4	216	28	5570
107597	89.9	91.9	2.0	<5	0.4	290	24	3960
107598	91.9	93.9	2.0	<5	0.1	128	14	3230
107599	93.9	96.0	2.1	<5	0.4	249	10	2900
<b>Average</b>	<b>87.9</b>	<b>96.0</b>	<b>8.1</b>	<b>&lt;5</b>	<b>0.3</b>	<b>221</b>	<b>19</b>	<b>3902</b>
107704	290.3	292.3	2.0	20	5	1155	1	278
107705	292.3	294.3	2.0	<5	0.4	346	1	394
107706	294.3	296.4	2.1	<5	0.4	116	1	536
107707	296.4	297.2	0.8	<5	0.8	482	1	3470
<b>Average</b>	<b>290.3</b>	<b>297.2</b>	<b>6.9</b>	<b>8</b>	<b>1.8</b>	<b>526</b>	<b>1</b>	<b>760</b>
107708	297.2	299.2	2.0	<5	1.4	420	4	1160
107709	299.2	301.3	2.1	<5	2.8	700	24	246
107710	301.3	303.3	2.0	<5	1	59	62	150
107711	303.3	304.2	0.9	235	4	395	38	180
107712	304.2	304.5	0.3	90	1.6	434	8	178
<b>Average</b>	<b>297.2</b>	<b>304.5</b>	<b>7.3</b>	<b>35</b>	<b>2.0</b>	<b>399</b>	<b>30</b>	<b>459</b>
107758	394.0	396.0	2.0	550	12.8	636	14	86
107759	396.0	398.0	2.0	2000	33.8	1495	24	158
<b>Average</b>	<b>394.0</b>	<b>398.0</b>	<b>4.0</b>	<b>1295</b>	<b>23.3</b>	<b>1066</b>	<b>19</b>	<b>122</b>

#### BCK96-02 and -03

Holes BCK96-02 and -03 were drilled from a single drill site targeting the Christmas Cake breccia showing 20 and 45 metres down dip, respectively. An area of anomalous Cu, Pb, Zn, As and Au occurs in the same area. The stratigraphy in both holes consists of interbedded andesite and associated, immature, mafic sandstone and siltstone. Surface exposures returned sample values up to 17% combined Pb-Zn and 720 ppm Ag. Both holes intersected the Christmas Cake Zone, albeit, the drill

intercepts contained lower metal values (Tables 8.0.3 and 8.0.4). In detail, the zone is comprised of two brecciated zones containing up to 7% total sulphides with pyrite and sphalerite being the most abundant sulphide species with lesser pyrrhotite, galena, chalcopyrite and arsenopyrite. The sulphides are dominantly in the breccia matrix with quartz and calcite. Breccia clasts are bleached white to light green due to pervasive silicification and sericite alteration, respectively. The brecciation varies from a simple crackle to matrix-supported breccia. Quartz-calcite-chlorite veinlets with minor pyrite, sphalerite, galena and chalcopyrite occur in the hanging wall and to a lesser extent, the footwall of the breccia zone. The main breccia zone is steeper than bedding, crosscutting the stratigraphy at an acute angle. This relationship is shown by the thin feldspar-rich tuff (Unit Rde) which occurs in the footwall of the breccia in BCK96-02 but is found in the hanging wall portion of the zone in hole BCK96-03.

**Table 8.0.3**  
**Significant Intercepts - BCK96-02**

Sample	From (m)	To (m)	Width (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
107774	44.0	45.6	1.6	25	30	373	840	9570
107775	45.6	47.1	1.5	15	10.4	185	352	3710
107776	47.1	47.7	0.6	60	81	425	2600	24440
<b>Average</b>	<b>44.0</b>	<b>47.7</b>	<b>3.7</b>	<b>27</b>	<b>30.3</b>	<b>305</b>	<b>928</b>	<b>9606</b>

**Table 8.0.4**  
**Significant Intercepts - BCK96-03**

Sample	From (m)	To (m)	Width (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
107800	57.1	57.5	0.4	150	31.6	276	1240	644
107801	57.5	58.9	1.4	5	22.8	139	600	2540
107802	58.9	60.2	1.3	<5	0.1	34	4	54
107803	60.2	61.6	1.4	5	11.0	325	256	2180
<b>Average</b>	<b>57.1</b>	<b>61.6</b>	<b>4.5</b>	<b>17</b>	<b>13.4</b>	<b>179</b>	<b>378</b>	<b>1541</b>

#### BCK96-04

Hole BCK96-04 was targeted at a contrasting magnetic high/low feature and weak Zn-As soil geochemistry in an area of extensive overburden cover. The hole passed through a section of intercalated andesite and laminated siltstone-argillite-felsic ash tuff with minor amygdaloidal dacite and feldspar crystal tuff. A zone of clay alteration and quartz-calcite veining with variable (2-10%) pyrite, arsenopyrite and sphalerite was intercepted from 105.7 to 153.3 metres. This alteration zone is flanked by a wide section of sericite dominated alteration with pyrrhotite and trace sphalerite in the hanging wall from 79.4 metres. Chlorite and hematite(?) alteration is coincident with and envelopes the sericite alteration. The length of the clay-quartz-calcite alteration zone is exaggerated due to the shallow angle of intersection. Overall, the zone contained low gold and silver values although Zn (1071 ppm), As (808 ppm) and locally, Pb values are certainly elevated (Table 8.0.5). A second vein and alteration zone was intersected towards the bottom of the hole with similar anomalous Zn, As and Pb values but low precious metal values.

**Table 8.0.5**  
**Significant Intercepts - BCK96-04**

Sample	From (m)	To (m)	Width (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
<b>Average</b>	<b>105.7</b>	<b>153.3</b>	<b>47.6</b>	<b>9</b>	<b>0.7</b>	<b>65</b>	<b>70</b>	<b>1071</b>

**BCK96-05**

Hole BCK96-05 was oriented to test a VLF-EM conductor, magnetic high and anomalous Cu-Pb-Zn-As soil geochemistry. A quartz-calcite vein breccia enveloped in sericite-clay was cut from 171.5 to 181.2 metres (9.7 m), returning anomalous lead, zinc, arsenic (1213 ppm) and weakly elevated gold and silver values (Table 8.0.6). The sulphide mineralization, consisting of pyrite, arsenopyrite, sphalerite and galena, is highly variable (2-20%) throughout the zone. The style and geochemical signature of this mineralization resembles the zones intersected in hole BCK96-04.

**Table 8.0.6**  
**Significant Intercepts - BCK96-05**

Sample	From (m)	To (m)	Width (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
108025	171.5	171.7	0.2	55	9.0	87	2300	3330
108026	171.7	173.7	2.0	<5	2.0	67	122	540
108027	173.7	175.0	1.3	<5	0.4	75	12	372
108028	175.0	176.2	1.2	80	8.4	157	152	1500
108029	176.2	176.4	0.2	235	68.0	130	1820	3250
108030	176.4	177.0	0.6	30	18.0	172	840	2570
108031	177.0	179.0	2.0	15	4.8	47	480	1310
108032	179.0	181.2	2.2	10	4.4	47	298	960
<b>Average</b>	<b>171.5</b>	<b>181.2</b>	<b>9.7</b>	<b>24</b>	<b>6.2</b>	<b>79</b>	<b>349</b>	<b>1129</b>

**BCK96-06**

This hole was designed to intersect a magnetic high and anomalous Cu-Pb-As soil geochemistry. Elevated metal values were encountered through a number of sections with maximum values of 65 ppb Au, 3.6 ppm Ag, 127 ppm Cu, 1860 ppm Pb, 3040 ppm Zn and 1860 ppm As. One such area of mineralization occurs in a pale green, sericite- and chlorite-altered, coarse lapilli tuff with up to 3% total disseminated pyrrhotite, sphalerite, pyrite and galena from 88.5 to 91.3 metres. Other sections of coarse felsic fragmentals were intersected further down the hole but were poorly mineralized. In one of these sections (113.1-124.4 m), a feldspar porphyry clast contained disseminated sphalerite, galena and pyrite whereas the breccia matrix surrounding the clast was unmineralized, indicating a mineralizing event prior to deposition of the fragmental unit. Narrow calcite-quartz-pyrite-arsenopyrite veinlets, enveloped by sericite alteration, occur near the bottom of the hole (191.0-205.8 m).

**9.0 DISCUSSION AND RECOMMENDATIONS**

The 1996 drilling has indicated that the Buck property has evidenced more than one mineralizing event involving replacement (Rutt Zone), breccia (Christmas Cake) and epithermal styles of mineralization. Although no volcanogenic massive sulphides were discovered, the alteration and mineralization associated with the feldspar porphyry flow unit at the bottom of hole BCK96-01 warrants further investigation.

The showings, soil geochemical and geophysical anomalies targeted in the drilling can be explained by the mineralization and alteration encountered. The widespread occurrence of pyrrhotite in the holes is the source of the magnetic highs. The VLF-EM conductors are caused by narrow lenses of massive pyrrhotite such as those intersected in the Rutt Zone (BCK96-01), by extensive clay altered zones around the vein systems as in BCK96-04 or by the presence of graphite (BCK96-05). The soil geochemical anomalies are caused by sulphide mineralization intersected in all of the holes.

The drilling in hole BCK96-01 has shown the Rutt Zone to be best described as replacement type mineralization with mineralizing fluids penetrating rock units along bedding planes or beds with greater

permeability and porosity. To some degree, this same type of mineralization was intersected in all of the holes. Although the Rutt Zone mineralization occurs over an appreciable width, base and precious metal grades are too low to be of economic importance.

The intersection at the bottom of BCK96-01 may represent a new type of mineralization for the property, with higher copper, silver and gold values but low zinc, lead and arsenic. The metal zonation of enriched lead-zinc-arsenic in stratigraphy above a copper-gold-silver-bearing feldspar porphyry may lead one to think that the metal zonation is related to an intrusive body (i.e. porphyry system). Although the feldspar porphyry is typically quite massive, it is felt that this unit is a flow due to the presence of feldspar porphyry clasts in the overlying volcanoclastics, the lack of a chilled margin or thermal effect at the contact and the identification of weak flow banding. Sericite alteration is developed in only the feldspar porphyry and the transition from the crystal-ash tuff to feldspar porphyry is marked by increased silver, potassium, lead and arsenic values. Of particular significance is the occurrence of chalcopyrite-pyrite-quartz-chlorite veinlets near the bottom of the hole. This intersection, from 394.0 to 398.0 metres, averaged 1275 ppb Au, 23.3 Ag ppm and 1066 ppm Cu in an unremarkable looking zone, which is only distinguished by a slight increase in veining.

Holes BCK96-02 and -03 tested the Christmas Cake zone at depth. It is clear that the breccia zone is structurally controlled as it crosscuts stratigraphy. The intercepts in both holes contained lower sulphide contents and metal values than the surface showing and this is reflected in the lower metal values in the drill intercepts.

The vein system intersected in BCK96-04 is the probable source of the magnetic low (pyrite>pyrrhotite), VLF-EM conductor (clay alteration) and arsenic soil geochemistry (arsenopyrite) targeted in the hole. This veining is very similar to the Giver Zone epithermal vein system on the adjacent Fawn property (Baknes and Awmack, 1994a) which can also be traced by a VLF-EM conductor. Both vein systems have similar lead, arsenic and zinc geochemistry and are enveloped by clay alteration. The most important difference between the two is the relative proportions of calcite and quartz; the gold mineralization in the Giver Zone is contained in chalcedonic quartz whereas calcite is much stronger in the BCK96-04 intersection. The lack of silica may explain the low precious metal values in the Buck drill intersection. These veins are of the low sulphidization type with high calcite and the common occurrence of sphalerite and arsenopyrite. The BCK96-04 intersection lies on the trace of a prominent, northeast trending linear, interpreted to be fault, east of the Rutt Zone. The strong clay alteration, which would weather recessively, would certainly account for the topographic depression marking this linear. A government basal till sample, which lies down-ice approximately 250 metres from hole BCK96-04, exceeded the government survey's 95<sup>th</sup> percentile for arsenic, lead, and zinc, and the 90<sup>th</sup> percentile in gold and antimony (Cook and Jackaman, 1994). This sample result suggests that this structure may contain greater concentrations of precious metals elsewhere along its length.

It is recommended that the mineralization at the bottom of hole BCK96-01 be tested by further drilling up section. The hole should be spotted further west to test the stratigraphy and the strong copper-zinc soil geochemistry on the western edge of the grid at a shallower depth. If the copper-gold-silver stringer type mineralization persists closer to surface, an induced polarization survey may assist in locating areas of greater sulphide concentrations prior to further drilling.

Further drilling should be conducted to explore the veining in BCK96-04. Although, precious metal values were low in the intercept, the strength of the alteration and veining, the similarities to the gold and silver-bearing, Giver Zone, anomalous gold till geochemistry and the emergence of other epithermal vein prospects in the area (e.g. Tommy) all support further testing of this vein system.

Respectfully submitted,

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David A. Caulfield, P. Geo.  
**EQUITY ENGINEERING LTD.**

Vancouver, British Columbia  
August, 1996

**APPENDIX A**

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**APPENDIX B**

**STATEMENT OF EXPENDITURES**

**STATEMENT OF EXPENDITURES  
BUCK 1-4 CLAIMS  
January 19 - February 29, 1996**

**PROFESSIONAL FEES AND WAGES:**

David A. Caulfield, P. Geo.		
27.75 days @ \$425/day	\$ 11,581.25	
David Reid, Sampler		
24 days @ \$250/day	6,000.00	
Devon Holbek, Sampler		
11 days @ \$250/day	<u>2,750.00</u>	\$ 20,331.25

**EQUIPMENT RENTAL: (Equity Engineering Ltd.)**

4x4 Crew Cab		
25 days @ \$80/day	\$ 2,000.00	
Handheld Radios		
6 days @ \$5/day	30.00	
Chainsaw		
9 days @ \$10/day	<u>90.00</u>	2,120.00

**EXPENSES:**

Accommodation	\$ 10,821.41	
Airfare	890.47	
Automotive Fuel	624.78	
Automotive Expenses	106.00	
Bulk Fuel	4,278.45	
Cat	6,840.00	
Chemical Analyses	16,375.54	
Courier	21.53	
Ferries	62.16	
Freight	794.22	
Generator Rental	160.00	
Meals	508.95	
Materials and Supplies	3,458.63	
Parking	23.44	
Printing and Reproductions	30.99	
Radio Rental	128.40	
Taxi and Airporters	55.14	
Telephone Distance Charges	160.85	
Tolls and Airport Taxes	9.34	
Water Truck	<u>12,600.00</u>	57,950.30

**SUBCONTRACTS:**

Drilling		82,540.00
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**MANAGEMENT FEES:**

15% on expenses	\$ 8,692.55	
7.5% on subcontracts	<u>6,190.50</u>	14,883.05

**REPORT: (estimated)**

		<u>8,000.00</u>
<b>Subtotal:</b>		\$ 185,824.60

**GST:**

		<u>13,007.72</u>
<b>Total:</b>		<b>198,832.32</b>

## APPENDIX C



### DIAMOND DRILL LOGS

#### MINERALS AND ALTERATION TYPES

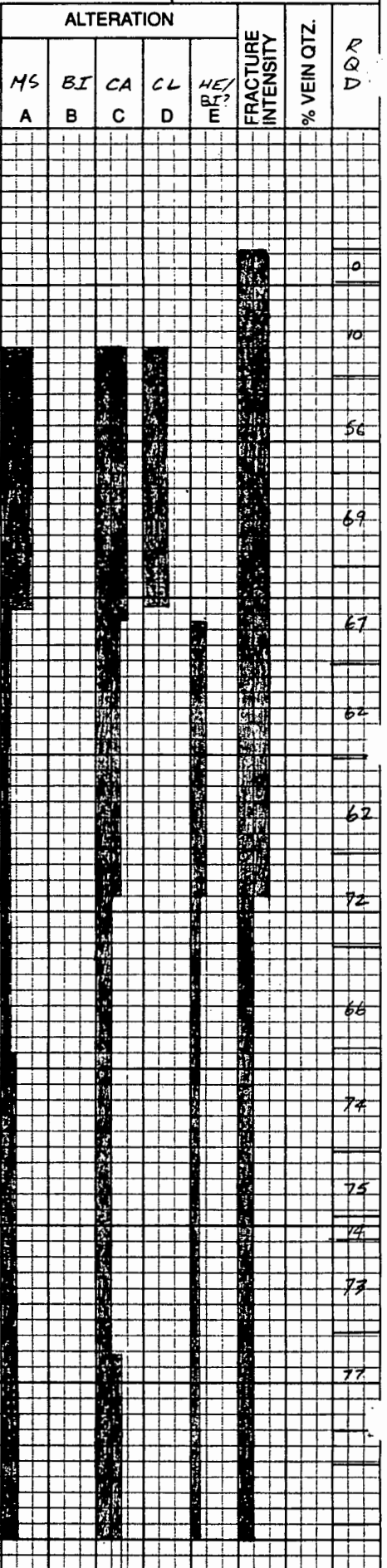
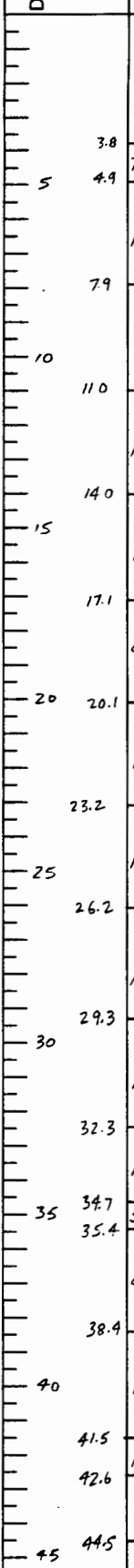
AS	arsenopyrite	BI	biotite	CA	calcite
CL	chlorite	CP	chalcopyrite	CY	clay
EP	epidote	GE	goethite	GL	galena
HE	hematite	JA	jarosite	MC	malachite
MG	magnetite	MN	Mn-oxides	MS	sericite
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite	TT	tetrahedrite

# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT BUCK (BLK 96-01)	GROUND ELEV. 1249.7m (4100')																
HOLE NO. BCK 96-01	BEARING 290°																
LOCATION GRID 90+54 N 50+03 W	DIP -70°																
	TOTAL LENGTH 398.7m																
LOGGED BY D. A. CAULFIELD	HORIZONTAL PROJECT																
DATE FEB. 10-15, 1996	VERTICAL PROJECT																
CONTRACTOR DRILL - FALCON DRILLING (Bill Hedges) WATER TRUCK - GALLANT TRUCKING (Bob Olson)	<b>ALTERATION SCALE</b>  <p>absent slight moderate intense</p>																
CORE SIZE BTW																	
DATE STARTED FEB. 9/96	<b>TOTAL SULPHIDE SCALE</b>  <p>traces only &lt; 1% 1% - 3% 3% - 10% &gt; 10%</p>																
DATE COMPLETED FEB. 15/96																	
<table border="1"> <thead> <tr> <th>DIP TESTS</th> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>24mm tube</td> <td>45.7m</td> <td>75°</td> <td>70°</td> </tr> <tr> <td></td> <td>257.9m</td> <td>73°</td> <td>67°</td> </tr> <tr> <td></td> <td>399.1m</td> <td>73°</td> <td>67°</td> </tr> </tbody> </table>	DIP TESTS	Depth	Uncorrected	Corrected	24mm tube	45.7m	75°	70°		257.9m	73°	67°		399.1m	73°	67°	
DIP TESTS	Depth	Uncorrected	Corrected														
24mm tube	45.7m	75°	70°														
	257.9m	73°	67°														
	399.1m	73°	67°														
<b>COMMENTS</b> - Hole targeted at Ratt Zone & Cu, Zn, As soil geochem & mag/VLF-EM anomalies down west slope. - Hole making water.	<b>LEGEND</b>																

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q D
					MS A	BI B	CA C	CL D	HE/BL? E			
0-3.8				QVB (casing)								
3.8-7.0				FD XTAL; ASH TUFF: darkish grey, broken oxidized highly fractured/surface oxidized, 1mm Fract.								0
7.0-15.3				FD PORPHYRITIC ANDESITE: dark greyish green mottled colour, FD porphyritic (1-2mm) - 25%, FD alt <sup>o</sup> → CA, hairline CA ± CL fractures, larger veinlets 20° to 40° to c.s., upper contact marked by 10 cm QZ vein & rusty gouge cracked on lower contact.								10
15.3-19.1				VOLCANIC SILTSTONE (w/minor FD XTAL TUFF): mottled maroon to light green, mostly f.g., soft, variably coloured, x-cut by CA veinlets w/ bleached green envelopes through maroon sections, (shallow 4.0??)								56
19.1-24.4				VOLCANIC SILTSTONE & SANDSTONE: mottled maroon to light green, sst beds - light green (MS alt <sup>o</sup> ) subrounded grains (1-2mm up to 3mm), poorly sorted, 10-20 cm beds; similar bleaching around ch fract; as above, lapilli clasts on lower contact. cherty QZ subangular								69
24.4-29.5				VOLC. SILTSTONE; SST w/ LAPILLI TUFF: mottled buff-green to maroon; fossiliferous CA/S" replaced involves ammonites; lapilli typically flattened/aligned and "ghost-like" in appearance, sst beds similar to above w. minor QZ grains, siltstone								67
29.5-37.2				LAPILLI TUFF: pale green to brown, bedded similar to above although lacking ⊕, sst & slts beds, clasts 2-mm in size, rare clast to > 3cm long - (31.2 - glossy silicious matrix FD porphyry clast); clasts - irregular silic to angular darkish grey, aphanitic; pale green FD?								62
37.2-39.1				FD XTAL & ASH TUFF: pale, buff-grey to brown mottled colour, bedded.								72



PAGE 2 OF 18		PROJECT: BUCK				HOLE NO. BLK 96-01				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				Zn (ppm)
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	
3.8 - 7.0 - 2-3% PO, tr. CP, SP - diss.										
		3.8	4.9	1.1	107551	<5	<0.2	35	12	62
		4.9	7.0	2.1	52	<5	0.2	62	14	148
7.0 - 15.3 - 3% PY - diss. / fract. filling										
		7.0	9.0	2.0	53	<5	0.4	57	20	134
		9.0	11.0	2.0	54	<5	0.2	38	18	82
		11.0	13.0	2.0	55	<5	0.4	43	14	48
		13.0	15.3	2.3	56	<5	<0.2	42	14	110
15.3 - 19.1 1% PY > PO - CA fracture fillings										
		15.3	17.3	2.0	57	<5	<0.2	34	4	70
		17.3	19.1	1.8	58	<5	0.4	56	4	54
19.1 - 24.4 2% PO > PY - PY in fractures with CA, PO diss. & concentrated in grid layers. (21.5m)										
		19.1	21.1	2.0	59	<5	0.2	56	18	156
		21.1	23.1	2.0	107560	<5	0.2	49	10	68
		23.1	24.4	1.3	61	<5	0.2	44	8	80
25 24.4 - 29.4 3-5% PO > PY tr. SP, diss. PO, PY in CA fractures & diss.										
		24.4	26.4	2.0	62	<5	<0.1	52	8	50
		26.4	28.4	2.0	63	<5	0.2	45	14	98
		28.4	29.5	2.1	64	<5	4.8	39	116	308
30 29.4 - 37.2 3% PO >> PY diss. PO, x-lithia PY in late fractures (CA/CL)										
		29.5	31.5	2.0	65	<5	0.4	34	8	54
		31.5	33.5	2.0	66	<5	<0.2	37	10	62
		33.5	35.5	2.0	67	<5	<0.2	32	3	66
35 35.5 - 37.2 2% PO > PY - diss / fractures. * PY occurs in fractures & in blue (not pale green) areas.										
		35.5	37.2	1.7	68	<5	<0.2	67	10	232* possible Contaminat.
		37.2	39.1	1.9	69	<5	<0.2	56	18	312
40 PO occurs in brown - late stage conversion of PO - PY										
		39.1	41.1	2.0	107570	<5	1.6	61	26	572
39.1 - 56.3 3% 5% PO > SP, PY tr. GL, SP, coarse PO concentrated in coarse cap. //; horizons interstitial to fragments; some layers PO more concentrated in silic. clasts										
		41.1	43.1	2.0	71	<5	0.4	59	14	504
		43.1	45.1	2.0	107572	<5	0.8	75	32	1495

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q1 D
					MS	CA	CL	HE	BI?			
					A	B	C	D	E			
45				39.1-56.2 LAPILLI TUFF : pale grey (buff), green to brown, mottled; clast size increased from previous run (29.4-37.2)								62
47.5	98			coarse lapilli horizons are interbedded w/ f.g. ash. layers; coarse lapilli layers consist of angular close-packed fragments 1/2 - 1.0 cm in size - dark grey, silicious - usually more 5" rich than matrix. (rhyolite comp?); FD xtals conc. locally.								80
50	96	RDb	50 85°									10
50.0	80		60° CA									75
50.1			50 90°									67
50.6			0° CA									46
52.2	81		QZ > CA v. w. PO, GL, PY, SP									15
55			10° CA micro fault									63
55.3	114	RDe	70°									71
56.7	50		80° 50	56.2 - 58.9 ? FELSIC ASH / FD XTAL TUFF: buff coloured, bedded, rare QZ xtal, grain; colourat!								83
57.5	114		CA/QZ vein, crushed bleached envelope									60
60			5cm v. 1.0m envelope									36
59.7	100	RDb/	50	58.9 - 67.1 LAPILLI / FD XTAL TUFF: mottled brown grey to green; silicious dark grey lapilli (similar to 39.1-56.3) dominant towards top of sect!; FD xtals prominent from ~ 64.0 - 67.1, bedded.								65
62.8	100	RDe	50° micro fault									56
65			15° 50									88
65.8	100		80° 7cm QZ/CA v.									40
68.9	100		1" PO, PY, tr. GL SP CP									10
70			50 65°-80°									56
68.9	100	RDe	70°	67.1 - 69.2 FD XTAL TUFF/m. FELSIC ASH: grey bedded unit FD xtal dominant - 1-2 mm. xtals.								80
71.6	95		70°									73
75	122		50° 3cm QZ/CA v. PO, SP, PY, GL									67
75.7	100		60° micro fault									69
76.2	89		70°									76
77.1	100	RDe	80°	69.2 - 85.9 FD XTAL / FELSIC ASH TUFF: mottled grey to green to brown, similar to above except for greater ash/xtal mixing (ie bedding less apparent); greater component of ash; upper 80cm marked by bleached FD? alt!; rare lapilli clasts (77.2); xtals - FD > QZ. brown colourat! - BI Hornfels.??								80
78.0	100		50 65°									73
80			70° 4cm QZ/CA v. PO, SP, tr. PY, GL									67
81.1	100		60° micro fault									69
85	89.1		70°									76
85.6	94		70°	85.9 - 156.5 RHYTHMICALLY BEDDED FD XTAL / FELSIC ASH: mottled to striped green-grey-white-brown, thicker beds toward top of run decreasing in size down sect!; xtal beds >								
87.2	100	RDe	10° 1cm bands of PO, tr. PY, CP									
90	90.2											

PAGE 4 OF 18		PROJECT: BUCK				HOLE NO. BC496-01				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		45.1	47.1	2.0	107573	<5	<0.2	54	8	96
		47.1	49.1	2.0	74	<5	0.4	122	8	1900
		49.1	51.1	2.0	75	<5	<0.2	59	10	78
		51.1	53.1	2.0	76	<5	<0.2	45	4	94
		53.1	55.1	2.0	77	15	1.4	95	46	1330
		55.1	56.2	1.1	78	<5	<0.2	42	20	168
56.3-58.9 3-5% PY in QZ/CA veining & diss. in wallrock (MS alt?) tr. GL, SP		56.2	57.6	1.4	79	<5	<0.2	43	44	602
		57.6	58.6	1.0	107580	<5	<0.2	29	26	384
		58.6	60.6	2.0	81	<5	<0.2	42	12	96
60 58.9-67.1 3-5% PO, 0.5% SP, tr. GL, CP diss. in matrix of coarse lapilli horizons; lesser S" in CA/QZ veinlets; PY replaces PO/good example at 58.9) SP, PO in lapilli clast @ 61.2, better S" from 63.0-67.1		60.6	62.6	2.0	82	<5	0.4	72	10	646
		62.6	64.6	2.0	83	<5	2.2	103	42	486
		64.6	67.1	2.5	84	15	40.0	123	1700	2530
67.1-69.2 5% PO, tr. SP, CP diss. & coarse aggregates.		67.1	69.2	2.1	85	5	0.2	50	20	90
70 69.2-85.9 3-5% PO > PY, tr. SP, GL, CP, mostly disseminated grains, minor S in veinlets & coarse aggregates in vtal horizons.		69.2	71.2	2.0	86	<5	<0.2	32	22	106
		71.2	73.2	2.1	87	<5	<0.2	60	18	134
		73.2	75.2	2.0	88	<5	2.8	140	436	2020
		75.2	77.2	2.0	89	<5	0.4	80	44	152
		77.2	79.2	2.0	107590	<5	0.4	73	24	132
		79.2	81.2	2.0	91	<5	0.4	117	32	158
		81.2	83.2	2.0	92	<5	1.6	129	264	1480
		83.2	85.2	2.0	93	<5	1.2	201	50	512
85 91.9- 110cm AS, PY vein		85.2	85.9	0.7	94	<5	0.6	188	34	500
85.9- 96.0 5% PO, 1% SP, 0.5% PY, tr. CP 5" both disseminated & in AS 0.5-1.0cm bands mostly // to bedding; bands have CL selvages & bleached MS? envelopes; PO/CL veined row - stratigraphy @ 93.0m		85.9	87.9	2.0	95	<5	0.4	307	28	614
		87.9	89.9	2.0	96	<5	0.4	216	28	5570
		89.9	91.9	2.0	107597	<5	0.4	290	24	3960





MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				Zn (ppm)
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	
90 <i>CA. found assoc. w/ some bands</i>		91.9	93.9	2.0	107598	<5	<0.2	128	14	3230
		93.9	96.0	2.1	99	<5	0.4	249	10	2900
95 <i>96.0-156.5 3-5% PO&gt;PY, + SP, GL PO mostly disseminated, rarely in bands/stringers.</i>		96.0	98.0	2.0	107600	90	0.8	109	28	288
		98.0	100.0	2.0	01	15	0.2	68	18	294
100		100.0	102.0	2.0	02	<5	<0.2	44	14	130
		102.0	104.0	2.0	03	<5	<0.2	42	14	264
105		104.0	106.0	2.0	04	<5	<0.2	64	12	1085
		106.0	108.0	2.0	05	<5	<0.2	49	14	520
		108.0	110.0	2.0	06	<5	0.4	44	20	416
110		110.0	112.0	2.0	07	<5	<0.2	44	16	178
		112.0	114.0	2.0	08	<5	<0.2	43	12	60
115		114.0	116.0	2.0	09	<5	<0.2	40	38	152
		116.0	118.0	2.0	107610	<5	0.2	39	40	74
		118.0	120.0	2.0	11	<5	<0.2	47	14	112
120		120.0	122.0	2.0	12	<5	0.2	36	12	86
		122.0	124.0	2.0	13	45	<0.2	61	14	62
125		124.0	126.0	2.0	14	<5	<0.2	51	14	72
		126.0	128.0	2.0	15	<5	<0.2	59	32	88
		128.0	130.0	2.0	16	<5	<0.2	51	16	50
130		130.0	132.0	2.0	17	10	2.2	63	74	1075
		132.0	134.0	2.0	18	<5	<0.1	62	22	872
135		134.0	136.0	2.0	107619	<5	<0.1	51	36	78

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					RQD	
					MS	CA	CL	BI	FRACTURE INTENSITY		% VEN QTZ.
					A	B	C	D			
135											
136.0			65° S <sub>0</sub>								
137.8	94										75
139.0	100		30° microfault offset Poveri strata								92
140			S <sub>0</sub> 60								
142.0	100		40° microfault.								93
145											
145.1		RDE									97
148.1			S <sub>0</sub> 80°								
149.0	99		50° microfaulting								11
150											
151.2	95			150.4-156.3 faulting 0°-30° to c.a.							59
152.1	89			broken core area.							33
152.9	75										0
154.2	108		S <sub>0</sub> 80°-85°								31
155											
155.4			irregular QZ-CA-P.V.								25
156.5	82		156.5-161.7 ANDESITE (CROWDED FD AUGITE?): dark grey-green to moroon; massive - non-descript. ghost-like FD (crowded); mafic grains (if any) all <sup>g</sup> to 5", CL.; irregular faulted (veined) upper contact.								18
159.4	100	ANA	75° QZ vein								90
160			50 CA, PD								
160.3	57			BANDED ARGILLITE-FELSIC ASH/X TAL TUFF: striped dark to light grey, thinly bedded to laminated, contains v.l.g. darkish grey argillaceous beds, edge of andesite dyke 162.6-162.9 microfaulting // to c.a.							56
161.0											14
162.3	108		S <sub>0</sub> 161.7-163.4								92
163.4	100	ANA									100
165											
166.4	98			163.4-164.3 ANDESITE (CROWDED FD, AUGITE?): similar to 156.3-161.7, cracked on upper contact w/ QZ vein.							75
170											
172.5	100		164.3-190.4	BANDED ARGILLITE-FELSIC ASH/X TAL TUFF: striped darkish grey to white, thinly bedded to laminated 1mm to 10cm; average 1.0cm. vtal tuff @ 176.7, 179.2, 184.5							89
175											
175.6	100		75° S <sub>0</sub>	similar to 85.9-156.4 except this unit contains grey argillaceous layers, thinner bedded, less vtal component, more ash; local casts ↑ tops, microfaulting @ acute x's to c.a.							85
178.6											
180	100		75° S <sub>0</sub>	m. brownish hornfelsed (BI) layers.							89





PAGE 10 OF 18		PROJECT: BUCK				HOLE NO. BCK96-01				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
180		180.3	182.3	2.0	107643	<5	0.4	116	18	350
		182.3	184.3	2.0	44	<5	0.4	66	60	122
185		184.3	186.3	2.0	45	<5	0.2	72	20	694
		186.3	188.3	2.0	46	<5	0.4	65	12	398
		188.3	190.4	2.1	47	<5	<0.2	59	12	328
190	190.4-205.7. 1-2% PO, disseminat <sup>d</sup>	190.4	192.4	2.0	48	<5	0.2	45	<2	132
		192.4	194.4	2.0	49	<5	<0.2	44	<2	126
195		194.4	196.4	2.0	107650	<5	0.4	66	<2	130
		196.4	198.4	2.0	51	<5	0.4	78	<2	134
		198.4	200.4	2.0	52	<5	<0.2	80	<2	108
200		200.4	202.4	2.0	53	<5	<0.2	80	<2	124
		202.4	204.4	2.0	54	<5	<0.2	68	<2	120
205		204.4	205.7	1.3	55	<5	<0.2	43	<2	136
	205.7-205.8 3% PO, lesser PY. PO - finely disseminated, or patchy in CL enveloped veining	205.7	207.7	2.0	56	<5	<0.2	80	<2	216
	205.8-211.7 1% PO. Finely dissem.	207.7	208.5	0.8	57	<5	<0.2	125	6	556
		208.5	210.5	2.0	58	<5	<0.2	68	<2	104
210		210.5	211.7	1.2	59	<5	<0.2	60	<2	102
	211.7-224.9 1-3% PO > PY, tr. SP	211.7	213.7	2.0	107660	<5	<0.2	69	14	332
		213.7	215.7	2.0	61	<5	<0.2	46	6	178
215		215.7	217.3	1.8	62	<5	<0.2	61	6	326
		217.3	218.2	0.9	63	<5	<0.2	54	8	214
		218.2	220.1	1.9	64	<5	<0.2	55	10	350
220		220.1	221.9	1.8	65	<5	<0.2	47	8	126
		221.9	223.9	2.0	66	<5	<0.2	71	12	270
		223.9	224.9	1.0	67	<5	<0.2	104	8	1020
225		224.9	225.9	1.0	107668	<5	<0.2	86	<2	102

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q <sub>D</sub>
					MS A	B	CA C	CL D	BI E			
225	94	ANA		224.9-225.9 ANDESITE (FD: AUGITE PORPHYRY):								
227.0		Ete	70° 90°	conformable contacts, same as above.								74
229.1	100	ANA	70° 90°	225.9-228.2 BANDED ARGILLITE / FELSIC ASH TUFF:								90
230	100			228.2-228.5 ANDESITE (FD: AUGITE PORPHYRY):								64
230.4	55	Ete		conformable contacts, as above.								28
231.5 mislabel				228.5-243.9 BANDED ARGILLITE / FELSIC ASH TUFF:								90
233.5	100		60° S <sub>0</sub>	striped light to dark grey <sup>(black)</sup> to white to brown; minor xtal tuff horizons, laminated to thin-bedded; 1.0mm to 1.0 cm.; similar to above to 164.3 m. note: overall very silicious.								47
236.5	100											29
239.6			70° S <sub>0</sub>									
240	100	Ete	80° S <sub>0</sub>									69
242.6				243.9-244.4 ANDESITE (FD: AUGITE PORPHYRY):								
245	100	ANA	75° S <sub>0</sub>	244.4-245.8 BANDED ARGILLITE / FELSIC ASH TUFF: striped dark grey (to black) to white, individual beds 1-30cm, lacks laminations above								58
245.7		Ete	45° hairline CA fracture	beds 1-30cm, lacks laminations above very silicious.								
248.7	100	ANA	75° crack led ch-OZ	245.8-248.1 ANDESITE (FD: AUGITE PORPHYRY):								72
250	95	RDE		248.1-261.5 FELSIC ASH / XTAL TUFF: mottled light grey to brown, more massive appearance, very silicious; layering less distinct, lacks dark grey to black and lathaceous beds; pervasively silicified? → alternatively this unit may be FD porphyritic flow?								72
251.8	92		90° CA fracture									52
255	95		reticulate hairline CA fracturing.									49
257.9	100											14
260	100		35-45° CA talc?									61
262.4	48	RDE	reticulate hairline CA fracture filling?	261.5-268.2 XTAL TUFF / m FELSIC ASH TUFF: dark greenish grey to brown - mottled, bedding poorly developed except for banded sect <sup>n</sup> from 165.3-165.5 similar to above although less								19
265	68		75° S <sub>0</sub>	fg. "silicious" material, well fractured calcite + talc? on fractures								26
265.9	64											0
267.0	125	ANA	0-10° OZ, CA									62
268.3			80° S <sub>0</sub>	268.2-269.6 ANDESITE (FD: AUGITE PORPHYRY): light greenish brown, intercalated volcanic clasts								
270				Ins of unit.								

PAGE 12 OF 19		PROJECT: BUCK				HOLE NO. BCK96-01				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
225										
224.9-225.9 1% PO, disseminated		225.9	228.2	2.5	107669	<5	<0.2	102	4	128
225.9-228.2 3% PO, tr. CP, SP, disseminated, coarser aggregates in $6 \times 10$ sect <sup>ns</sup>		228.2	228.5	0.3	107670	<5	<0.2	87	<2	124
230 228.2-228.5 1% PO, disseminated		228.5	230.5	2.0	71	<5	<0.2	99	4	64
228.5-243.9 3% PO, PY, tr. SP disseminated, stringers - PO, SP PY in late CA fractures		230.5	232.5	2.0	72	<5	<0.2	94	4	80
		232.5	234.5	2.0	73	<5	<0.2	49	6	138
235		234.5	236.5	2.0	74	<5	0.8	92	12	548
		236.5	238.5	2.0	75	<5	<0.2	82	6	210
		238.5	240.5	2.0	76	<5	<0.2	58	12	520
240		240.5	242.5	2.0	77	<5	<0.2	71	4	148
		242.5	243.9	1.4	78	<5	<0.2	66	<2	70
243.9-244.4 1% PO, disseminated		243.9	244.4	0.5	79	<5	<0.2	60	<2	124
245 244.4-245.8 2% PO " coarse clots		244.4	245.8	1.4	107680	<5	<0.2	47	<2	66
245.8-248.1 1% PO, disseminated		245.8	248.1	2.3	81	<5	<0.2	15	<2	114
248.1-261.5 2% PO, tr. CP, SP disseminated, stringers;		248.1	250.1	2.0	82	<5	0.2	147	4	72
250 stringers in $6 \times 10$ /crackled sections.		250.1	252.1	2.0	83	<5	0.2	65	6	142
		252.1	254.1	2.0	84	<5	0.2	44	<2	84
		254.1	256.1	2.0	85	<5	0.2	45	<2	84
255		256.1	258.1	2.0	86	<5	<0.2	50	<2	38
		258.1	260.1	2.0	87	<5	<0.2	27	<2	100
260		260.1	261.5	1.4	88	<5	<0.2	32	<2	78
261.5-262.2 3-5% PO, tr. SP, CP, PY disseminated, stringers, bands		261.5	263.5	2.0	89	<5	<0.2	38	<2	376
strongest - 265.3, 267.9, 268.2		263.5	265.5	2.0	107690	<5	<0.2	39	2	76
265		265.5	267.8	2.3	91	<5	5.0	83	320	610
		267.8	268.2	0.4	92	<5	0.6	300	16	1515
268.2-269.6 2% PO = PY, disseminated		268.2	269.6	1.4	93	<5	<0.2	206	2	272
270		269.6	271.6	2.0	107694	10	0.4	181	4	138





MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
270 269.6-276.0 3-5% PO>PY, tr.CP,SP disseminated PO,SP,		271.6	273.6	2.0	107695	<5	0.2	178	4	1625
		273.6	276.0	2.4	96	<5	<0.2	137	<2	72
275 276.0-290.3 3-5% PO, tr.SP, CP. disseminated in matrix of crystal tuft w/ cl = 1ft, some lapilli fragments		276.0	278.0	2.0	97	<5	<0.2	93	<2	80
		278.0	280.0	2.0	98	<5	<0.2	30	<2	138
280 S <sup>2-</sup> rich.		280.0	282.0	2.0	99	<5	2.6	880	<2	154
		282.0	284.0	2.0	107700	<5	<0.2	36	<2	60
		284.0	286.0	2.0	01	<5	<0.2	127	<2	298
285		286.0	288.0	2.0	02	<5	<0.2	87	4	164
		288.0	290.3	2.3	03	<5	<0.2	149	4	596
290 290.3-297.2 3-7% PO>PY, 0.5% SP, tr.CP; disseminated as bands, stringers, strongest SP mineralization @ 296.4-292.2 above rhyolite contact.		290.3	292.3	2.0	04	20	5.0	1155	<2	278
		292.3	294.3	2.0	05	<5	0.4	346	<2	394
295		294.3	296.4	2.1	06	<5	0.4	116	<2	536
		296.4	297.2	0.8	07	<5	0.8	482	<2	3470
297.2-304.2 3-5% PY>PO=SP=CP mineralization hosted in MS altered rhyolite unit, disseminated and stringer/veined S <sup>2-</sup> (w/CP,SP) strongest concentration of CP, PY seen in hole to this point.		297.2	299.2	2.0	08	<5	1.4	420	4	1160
300		299.2	301.3	2.1	09	<5	2.8	700	24	246
		301.3	303.3	2.0	107710	<5	1.0	59	62	150
		303.3	304.2	0.9	11	235	4.0	395	38	180
305 304.2-304.5 2% PY stringers		304.2	304.5	0.3	12	90	1.6	434	8	178
		304.5	306.5	2.0	13	<5	1.0	324	10	82
304.5-314.9 2-3% PY=PO, tr.CP in QZ/CALCL fractures, veinlets, 70° to c.a., minor disseminated PY (matrix)		306.5	308.5	2.0	14	<5	0.6	304	8	20
310		308.5	310.5	2.0	15	<5	<0.2	49	10	14
		310.5	312.5	2.0	16	<5	0.4	202	10	26
		312.5	314.5	2.0	17	<5	<0.2	149	12	24
315		314.5	316.5	2.0	107718	<5	0.2	213	8	22









MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
360		360.5	362.5	2.0	107741	30	3.4	855	14	72
		362.5	364.5	2.0	42	<5	0.4	121	10	68
365		364.5	366.5	2.0	43	<5	0.4	113	14	68
		366.5	368.0	1.5	44	<5	<0.2	56	12	72
368.0 - 385.6 <1% PY=CP, rare OZ veinlets, disseminations		368.0	370.0	2.0	45	<5	<0.2	15	10	26
370		370.0	372.0	2.0	46	10	<0.2	67	8	122
		372.0	374.0	2.0	47	<5	<0.2	44	6	42
375		374.0	376.0	2.0	48	10	1.6	673	6	56
		376.0	378.0	2.0	49	5	<0.2	18	10	28
		378.0	380.0	2.0	107750	10	0.6	209	10	78
380		380.0	382.0	2.0	51	40	1.6	433	10	112
		382.0	384.0	2.0	52	30	2.0	601	10	74
385		384.0	386.0	2.0	53	90	4.2	1045	14	144
385.6 - 398.7 1-3% PY>CP, stringers OZ/CL veinlets 60°±7.0° to c.a.		386.0	388.0	2.0	54	5	<0.2	108	8	36
		388.0	390.0	2.0	55	<5	<0.2	61	6	18
390		390.0	392.0	2.0	56	10	<0.2	4	6	16
		392.0	394.0	2.0	57	55	2.0	260	12	90
395		394.0	396.0	2.0	58	550	12.8	636	14	86
		396.0	398.0	2.0	59	2000	33.8	1495	24	158
398.7 EOH		398.0	398.7	0.7	107760	15	0.2	42	8	66



# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT BUCK (BLK96-01)	GROUND ELEV. 1275m								
HOLE NO. BCK96-02	BEARING 270°								
LOCATION GRID 87+84N 48+35W	DIP -46°								
	TOTAL LENGTH 68.0m								
LOGGED BY D. A. CAULFIELD	HORIZONTAL PROJECT								
DATE FEBRUARY 16-17, 1996	VERTICAL PROJECT								
CONTRACTOR FALCON DRILLING GALLANT TRUCKING	ALTERATION SCALE  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>								
CORE SIZE BTW	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>								
DATE STARTED FEBRUARY 15, 1996									
DATE COMPLETED FEBRUARY 16, 1996									
DIP TESTS <table border="1"> <thead> <tr> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>24mm E. tube</td> <td>65.2m</td> <td>53°</td> </tr> <tr> <td></td> <td></td> <td>44°</td> </tr> </tbody> </table>	Depth	Uncorrected	Corrected	24mm E. tube	65.2m	53°			44°
Depth	Uncorrected	Corrected							
24mm E. tube	65.2m	53°							
		44°							
COMMENTS Test the Christmas Cake Showing & soil geochemical anomalies (Cu, Pb, Zn, As, Au)	LEGEND								



DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q D
					MS A	B	CA C	CL D	BI E			
0-3.6				ØVB (casing)								
3.6-8.2				ANDESITE (MASSIVE? AMYGDULAD?): massive dark green, FD-rich, v. minor augite								0
8.2-13.6	86			MAFIC VOLCANICLASTIC: darkish								0
13.6-19.9	100			grey-green, poorly bedded, dominantly FD-rich sandstone with convoluted lensy siltstone layers; 70% sst; siltstone horizons < 1.0cm thick, sst 7.0cm rare augite grains								35
19.9-22.4	89			MAFIC VOLCANICLASTIC: volc. sst / slts convoluted disrupted slts beds, similar to 8.2-13.6								33
22.4-24.4	80			ANDESITE (FD: AU PORPHYRY): as above 13.6-19.9.								26
24.4-33.6	100			MAFIC VOLCANICLASTIC: dark grey- green, poorly bedded slts / slts units; occasional large rounded clast (bomb?) w/. chilled margins.								30
33.6-38.2	92			ANDESITE (FD: AU PORPHYRY): mottled grey-green, more alid than flows above, FD → MS, AU- CL, 5"								53
38.2-49.4	100			MAFIC VOLCANICLASTIC: light grey-green sandstone / siltstone, somewhat higher silt content than units above, sst								53
49.4-50.0	88			Christmas Cake Zone								29

PAGE 2 OF 4		PROJECT: BUCK				HOLE NO. BCK96-02				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0										
5		3.6-34.9	<1% S"	rare PY, SP in CA+CL veinlets. - 15.3, 26.2, 29.6, minor disseminated Pb towards bottom of section						
10										
15										
20										
		22.4	24.4	2.0	107761	<5	0.6	85	28	242
25		24.4	25.6	1.2	62	<5	<0.2	31	<2	190
		25.6	26.3	0.7	63	<5	0.4	84	4	948
		26.3	28.3	2.0	64	<5	<0.2	65	64	364
		28.3	30.3	2.0	65	<5	3.0	70	300	240
30		30.3	32.3	2.0	66	<5	<0.2	39	68	186
		32.3	33.6	1.3	67	<5	1.2	64	160	474
		33.6	34.9	1.3	68	<5	0.2	101	70	652
35		34.9	36.9	2.0	69	10	2.0	197	160	3660
		36.9	38.2	1.3	107770	<5	0.8	152	60	410
		38.2	40.2	2.0	71	25	4.0	141	226	550
40		40.2	42.2	2.0	72	<5	1.2	172	60	102
		42.2	44.0	1.8	73	<5	1.6	97	132	256
45		44.0	45.6	1.6	107774	25	30.0	373	840	9570



PAGE 4 OF 4		PROJECT: BUCK				HOLE NO. BCK 96-02				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				Zn (ppm)
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	
45 44.0 - 45.6 3-7% total S" 3% SP 4% PY, tr. CP, GL; matrix		45.6	47.1	1.5	107775	15	10.4	185	352	3710
to crackle breccia, breccia		47.1	47.7	0.6	76	60	81.0	425	2600	>10000
45.6 - 47.1 1-2% PY, SP		47.7	49.4	1.7	77	<5	0.4	27	12	182
50 47.1 - 47.7 5-7% total S" PY 3%, * Poor recovery (75%) SP 3%, tr. PO, BL, CP. coarse grained 5" in bx. matrix w/ OZ, CA		49.4	50.5	1.1	78	<5	0.2	30	8	150
47.7 - 49.4 1-2% PO, disseminat <sup>d</sup>		50.5	52.5	2.0	79	30	0.2	64	8	136
55 49.4 - 50.5 1% PO disseminat <sup>d</sup>		52.5	54.2	1.7	107780	<5	5.6	169	284	2800
50.5 - 59.9 2-3% PO > PY, 4 SP > CP disseminat <sup>d</sup> , in CA/OZ fractures		54.2	56.2	2.0	81	<5	0.4	51	78	214
60 59.9 - 62.3 2% PO disseminat <sup>d</sup>		56.2	58.0	1.8	82	10	1.0	46	80	442
62.3 - 63.3 1-2% PO, tr. SP concentrated in clastic.		58.0	59.9	1.9	83	<5	<0.2	41	20	140
63.3 - 68.0 1% PO, tr. SP, CP - diss OZ/CA veining		59.9	62.3	2.4	84	<5	<0.2	31	8	44
65		62.3	63.3	1.0	85	<5	0.4	37	62	354
		63.3	65.2	1.9	86	<5	<0.2	29	500	634
		65.2	67.2	2.0	87	25	<0.2	61	8	136
		67.2	68.0	0.8	107788	<5	<0.2	38	24	50



# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT BUCK (BLK96-01)	GROUND ELEV. 1230m											
HOLE NO. BCK96-04	BEARING 290°											
LOCATION GRID 85+01N 53+70W (as measured from baseline)	DIP -55°											
	TOTAL LENGTH 216.1m											
LOGGED BY D. A. CAULFIELD	HORIZONTAL PROJECT											
DATE FEBRUARY 18-22, 1996	VERTICAL PROJECT											
CONTRACTOR FALCON DRILLING GALLANT TRUCKING	ALTERATION SCALE 0 1 2 3 absent slight moderate intense											
CORE SIZE BTW	TOTAL SULPHIDE SCALE 0 1 2 3 4 traces only < 1% 1% - 3% 3% - 10% > 10%											
DATE STARTED FEBRUARY 17, 1996												
DATE COMPLETED FEBRUARY 20, 1996	LEGEND											
DIP TESTS <table border="1"> <thead> <tr> <th></th> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>29mm</td> <td>106.7m</td> <td>60°</td> <td>51.5°</td> </tr> <tr> <td>Core</td> <td>216.1m</td> <td>59°</td> <td>50.5°</td> </tr> </tbody> </table>			Depth	Uncorrected	Corrected	29mm	106.7m	60°	51.5°	Core	216.1m	59°
	Depth	Uncorrected	Corrected									
29mm	106.7m	60°	51.5°									
Core	216.1m	59°	50.5°									
COMMENTS To drill test VLF-EM conductors, mag high; weak soil geochemistry (Zn, As)												

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	RQD
					MS		CA	CL	BI			
					A	B	C	D	E			
0-2.1				ØVB (casing)								
2.1-4.0	21	ANa	40° CA	ANDESITE (FD ? AUGITE PORPHYRY): broken core: dark green colour broken core: dark green colour or sized frags.								0
4.0-9.5	90			MAFIC VOLCANICLASTIC (SST): light grey-green, well sorted								23
4.5-11.1	90	ANb	45° CA	ANDESITE (MASSIVE ? AMYGDALOID): massive grey-green, amygdules noted @ 6.4m.								41
11.1-13.7	87	ANa	60° CA, PO, SP	ANDESITE (FD ? AUGITE ? PORPHYRY): mottled pink blotches on grey-green background, mostly f.g. w/ diffuse FD phenocrysts to 2.4mm, AU < 1.0 mm								17
13.7-15.0	94	ANa	40° CA/CL	MAFIC VOLCANICLASTIC (SST & SLTS) poorly bedded, sst > slts, convoluted lensu slts horizons								39
15.0-20.9	98	ANa	40° CA	ANDESITE (FD ? AUGITE PORPHYRY): pink FD phenocrysts, dark green AU phenocrysts set against a f.g. grey-green matrix; FD - 1-5mm (7-10%) zoned subhedral to euhedral, AU 1-3 mm (7-10%).								50
20.9-26.6	100	ETb	40° CA	MAFIC VOLCANICLASTIC (SST & SLTS): bedded grey-green, sst > slts, slts beds - disrupted, lensoid to lenticular and cont. syndepositional & towards top of sects								59
26.6-28.8	94	ANa		ANDESITE (FD ? AU PORPHYRY): as above 15.0-20.9								39
28.8-32.7	99	ETb		MAFIC VOLCANICLASTIC (SST & SLTS): as above 20.9-26.6, greater slts component; grid layers - FD-rich.								55
32.7-34.1	90			weak CA/CL fracturing								50
34.1-35.7	93											37
35.7-38.7	92											33
38.7-40.5	86											0
40.5-41.6	99											61
41.6-43.9	94											44
43.9-44.8												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				Zn (ppm)
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	
0										
2.1- 42.2 <1% S <sup>2-</sup> , PO=PY, rare SP/PO in CA/CL veinlets (10.8)										
5										
10										
15										
20										
25										
30										
35		36.2	38.2	2.0	N107789	<5	<0.2	42	40	118
		38.2	40.2	2.0	N107790	<5	<0.2	34	36	118
40		40.2	42.2	2.0	91	<5	<0.2	66	12	180
42.2- 52.7 1-3% PY, PO, tr. SP, CP fracture filled stringers / CA/CL.		42.2	44.2	2.0	92	10	2.8	196	118	1010
45 QZ veinlets 30°, 90°, 0° to c.a.		44.2	46.2	2.0	93	<5	1.0	146	42	786











# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT BUCK (BLK96-01)	GROUND ELEV. 1230m												
HOLE NO. BCK96-04	BEARING 290°												
LOCATION GRID 85+01N 53+70W (as measured from baseline)	DIP -55°												
	TOTAL LENGTH 216.1m												
LOGGED BY D. A. CAULFIELD	HORIZONTAL PROJECT												
DATE FEBRUARY 18-22, 1996	VERTICAL PROJECT												
CONTRACTOR FALCON DRILLING GALLANT TRUCKING	<b>ALTERATION SCALE</b> 												
CORE SIZE BTW													
DATE STARTED FEBRUARY 17, 1996	<b>TOTAL SULPHIDE SCALE</b> 												
DATE COMPLETED FEBRUARY 20, 1996													
<b>DIP TESTS</b> <table border="1"> <thead> <tr> <th></th> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>29mm</td> <td>106.7m</td> <td>60°</td> <td>51.5°</td> </tr> <tr> <td>tube</td> <td>216.1m</td> <td>59°</td> <td>50.5°</td> </tr> </tbody> </table>		Depth	Uncorrected	Corrected	29mm	106.7m	60°	51.5°	tube	216.1m	59°	50.5°	
	Depth	Uncorrected	Corrected										
29mm	106.7m	60°	51.5°										
tube	216.1m	59°	50.5°										
COMMENTS To drill test VLF-EM conductors, mag high, ; weak soil geochemistry (Zn, As)	LEGEND												

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R.D.R.
					MS A	B	CA C	CL D	HE <sup>7</sup> BI E			
0-4.6				ΔVR (casing)								
4.6-16.4	42			ARGILLITE & SILTSTONE: striped dark grey to black, inter-bedded argillite & siltstone. laminated to thinly bedded 1.0mm-1.0cm, noncalcar. (except for CA on fractures) broken core (on CA fractures) - from 9.6-15.3								25
15.3-15.4	50			ASH TUFF - green colour								0
15.2-16.4	94			brown hornfelsed contact.								0
16.4-19.9	89			ANDESITE (AUGITE & FD PORPHYRY): medium grey-green; FD & Au phenocrysts, FD - 1-5mm - diffuse-CA all <sup>d</sup> (10%) Au - 1-5mm euhedral, 15%								11
19.9-21.0	106			chilled margins, shard-like alignment of FD pheno's parallel to contact.								81
19.9-37.7	105			ARGILLITE & SILTSTONE: dark grey to black; similar to 4.6-16.4 although higher siltstone component & thicker beds to 1.0m (32.2-32.4m)								69
27.0-28.0	100			broken core CA fractures								14
37.0-37.7	63			37.0-37.7 mottled chilled contact green to brown colour								0
37.7-39.2	83			ANDESITE (AUGITE & FD PORPHYRY): as above 16.4-19.9								68
39.2-68.6	100			ARGILLITE & SILTSTONE: as above (19.9-37.7)								39
39.2-39.5	100			chilled brown to green margin								0











PAGE 6 OF 10		PROJECT: BUCK				HOLE NO. BCK 94-04				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
90		90.3	92.3	2.0	N107854	<5	<0.2	64	4	90
		92.3	94.3	2.0	55	55	<0.2	93	6	90
95		94.3	96.3	2.0	56	35	0.2	217	12	84
		96.3	97.5	1.2	57	65	0.4	104	14	3260
97.5-105.7	2-3% PO, tr. PY, SP, CP fracture-controlled, disseminated in amygdules.	97.5	99.5	2.0	58	10	<0.2	97	18	326
100		99.5	101.5	2.0	59	10	0.2	93	18	218
		101.5	103.5	2.0	N107860	<5	<0.2	39	18	226
		103.5	105.0	1.5	61	<5	<0.2	33	36	276
105		105.0	105.7	.7	62	<5	<0.2	27	30	824
105.7-107.5	3-5% PY, tr. CP, disseminated fracture-controlled in KA at 1st zone	105.7	107.5	1.8	63	60	0.8	57	34	2330
		107.5	107.9	.4	64	40	3.6	132	124	1545
107.5-107.9	10% PY, 1% AS, tr. CP, SP in QZ/CA vein, KA, 1st	107.9	108.6	.6	65	<5	0.4	27	34	102
110		108.6	108.7	.1	66	<5	0.4	39	24	108
		108.7	110.2	1.5	67	10	<0.2	40	16	96
107.7-110.3	2-3% PY, tr. AS, KA, 1st	110.2	111.4	1.2	68	60	4.8	135	128	3750
110.3-115.9	3-5% t.s., 1% SP, 2% P fracture-controlled	111.4	113.4	2.0	69	35	0.2	41	30	1285
		113.4	115.9	2.5	N107870	10	0.4	33	64	734
115		115.9	117.9	2.0	71	10	0.4	55	34	252
115.9-119.8	5% PY, tr. AS? disseminated, fracture-controlled	117.9	119.8	1.9	72	<5	0.2	35	18	330
120		119.8	121.4	1.6	73	10	2.0	47	500	1910
119.8-126.3	10% PY, 7% AS, tr. SP & blackish gray (TT?) metall. mineral in QZ/CA veined KA at 1st zone	121.4	122.8	1.4	74	<5	1.6	48	86	512
		122.8	123.9	1.1	75	<5	1.0	55	110	438
		123.9	126.3	2.4	76	<5	1.0	43	240	2480
125		126.3	128.3	2.0	77	<5	0.2	51	190	1235
126.3-129.7	3% PY, tr. AS, SP in KA at 1st zone	128.3	129.7	1.4	78	<5	<0.2	53	12	104
130		129.7	130.4	.7	79	<5	1.0	54	172	1065
129.7-130.4	8% PY, 2% AS, tr. SP in QZ/CA vein.	130.4	133.1	2.7	N107880	<5	<0.2	54	20	196
130.4-133.1	7-3% PO7 PY in LL, KD at 1st zone.	133.1	133.3	.2	81	<5	1.2	31	64	292
135		133.3	135.3	2.0	N107882	<5	<0.2	69	16	1000









MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
180		180.6	182.6	2.0	N107910	<5	1.0	239	40	172
		182.6	184.6	2.0	11	<5	0.8	206	42	270
185		184.6	186.6	2.0	12	<5	<0.2	191	6	158
		186.6	188.1	1.5	13	<5	<0.2	100	14	322
188.1 - 189.2 2-3% Pb - disseminated		188.1	189.2	1.1	14	<5	0.2	200	24	272
190 189.2 - 191.7 2% PO >> PY		189.2	191.1	1.9	15	<5	<0.2	150	6	106
191.7 - 192.2 2-3% PO > PY		191.1	192.2	1.1	16	<5	<0.2	311	4	198
fracture-controlled, disseminated		192.2	194.2	2.0	17	<5	<0.2	239	4	170
192.2 - 202.3 3-5% PO > PY > SP		194.2	196.2	2.0	N107918	<5	2.0	502	30	2480
195 disseminated, fracture-controlled, QZ/CA veinlets		196.2	198.2	2.0	19	<5	1.2	415	22	934
		198.2	200.2	2.0	N107920	<5	20.0	276	686	2510
200		200.2	202.3	2.1	21	<5	<0.2	202	8	132
202.3 - 203.6 2-3% PY - cubic grains KA + d, CA veined, crushed		202.3	203.6	1.3	22	<5	0.4	199	6	282
203.6 - 204.4 2.3% PY >> SP, tr. AS, CA/QTZ vein.		203.6	204.4	.8	23	<5	<0.2	148	10	1085
205 204.4 - 206.8 3-5% PY > PO, + SP		204.4	206.8	2.4	24	<5	0.4	113	6	164
206.2 - 207.6 3-5% PY		206.8	207.6	.8	25	<5	0.2	133	10	92
207.6 - 207.8 5% AS, 2% PY > SP, QZ/CA vein.		207.6	207.8	.2	26	<5	2.8	78	210	600
207.8 - 210.9 3-5% PO > PY >> SP, AS.		207.8	209.4	1.6	27	<5	3.2	173	70	98
210 QZ veinlets, fiss., fractures		209.4	210.4	1.0	28	<5	2.4	180	100	292
210.4 - 212.1 3-3% PY > PO, QZ veinlets, disseminated, QZ/CA vein.		210.4	212.1	1.7	29	<5	0.4	99	22	100
212.1 - 212.4 3-5% PY > PO, tr. AS, SP, GL?		212.1	212.4	.3	N107930	<5	5.2	74	420	3100
212.4 - 213.3 1-2% PY		212.4	213.3	.9	31	<5	<0.2	146	6	154
215 213.3 - 216.1 2-3% PY diss.		213.3	215.3	2.0	32	10	0.4	377	8	316
		215.3	216.1	.8	33	<5	<0.2	102	<2	192



# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT Buck	GROUND ELEV. 1185m												
HOLE NO. BCK 96-05	BEARING 290°												
LOCATION GRID 72+90 56+95W - (as measured from baseline)	DIP -55°												
	TOTAL LENGTH 202.1m												
LOGGED BY D. A. CAULFIELD	HORIZONTAL PROJECT												
DATE FEBRUARY 22-25, 1996	VERTICAL PROJECT												
CONTRACTOR FALCON DRILLING GALLANT TRUCKING	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>												
CORE SIZE BTW													
DATE STARTED FEBRUARY 21, 1996	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>												
DATE COMPLETED FEBRUARY 23, 1996													
<table border="1"> <thead> <tr> <th>DIP TESTS</th> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>24mm</td> <td>99.1</td> <td>66°</td> <td>58°</td> </tr> <tr> <td>t. tube</td> <td>199.6</td> <td>65°</td> <td>57°</td> </tr> </tbody> </table>	DIP TESTS	Depth	Uncorrected	Corrected	24mm	99.1	66°	58°	t. tube	199.6	65°	57°	
DIP TESTS	Depth	Uncorrected	Corrected										
24mm	99.1	66°	58°										
t. tube	199.6	65°	57°										
COMMENTS To drill test VLF conductor, mag high & anomalous soil geochemistry Cu, Pb, Zn, As	LEGEND												



DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R D O
					MS A	B	CA C	CL D	E			
0-3.1				ØVB (casing)								
3.1	81			3.1-12.2 INTERBEDDED ARGILLITE, XTAL TUFF & LAPILLI TUFF (FOSSILIFEROUS): dark grey to black; bedded; FD v tal layers - random broken FD are suspended in black argillaceous matrix; (apilli layers - angular FD porphyry 1-2mm supported in light green aphanitic matrix)								39
5.2	79	RDC		CA veinlets								28
8.1	88			clasts > white felsic ash clasts > black argillite								31
10.7	73			Note: the interpreted FD v tal may								67
11.3	72											0
12.2	82			20° talc slips								25
13.0	62			be liner around FD porphyry clasts								8
14.3	94			12.2-27.2 ANDESITE? (ED & AU? PORPHYRY): dark grey to pale green, crowded FD phenocrysts 1-2mm, subhedral (25%)								42
17.4	90			40° talc crust AU? phenocrysts - alt - CA, CL?, 1-5 mm subhedral (5%) (KE?)								41
19.2	97			weak talc fracture								62
22.1	83			45° vuggy walling CA								21
23.5												
25	80			30° talc								50
26.5	82			roughed talc vein								25
28.3	77	RDC		27.2-29.0 LAPILLI TUFF: medium to dark grey colour; angular FD porphyry clasts similar to porphyry above								24
29.6	89			CA vein br.								53
30.5	79			irregularly bedded								25
30.8	79			bedding lessens i.e. light green clasts similar to 3.1-12.2 although lacking v tal sed.								36
32.0	77											11
33.5	75			29.5-49.3 ANDESITE? (ED & AU PORPHYRY) similar to 12.2-27.2 alt								0
34.7	63											17
35.1	67			may be talc								73
35.7	95			FD?								
40.4	79			30° argillaceous talc, talc crushed zone								6
41.8	96											71
44.8				75° talc 10° talc								

PAGE 2 OF 10		PROJECT: BUCK				HOLE NO. BCK96-05				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0										
3.1-12.2 <1% PY w/ CA fractures.		3.1	5.1	2.0	N107934	<5	<0.2	46	2	90
5		5.1	7.1	2.0	35	<5	<0.2	50	4	86
		7.1	9.1	2.0	36	<5	<0.2	40	<2	80
10		9.1	11.2	2.1	37	<5	<0.2	49	4	94
12.2-27.2 tr. PY		11.2	12.2	1.0	38	<5	<0.2	49	128	1430
		12.2	14.2	2.0	39	<5	<0.2	24	12	150
15		14.2	16.2	2.0	N107940	<5	<0.2	23	4	104
		16.2	18.2	2.0	41	<5	<0.2	17	4	80
		18.2	20.2	2.0	42	<5	<0.2	19	2	80
20		20.2	22.2	2.0	43	<5	1.0	42	26	140
		22.2	24.2	2.0	44	<5	<0.2	22	2	108
25		24.2	26.2	2.0	45	<5	<0.2	18	18	144
27.2-29.4 tr. PY		26.2	27.2	1.0	46	<5	<0.2	29	4	114
		27.2	29.4	2.2	47	<5	<0.2	23	<2	202
30 29.4-49.3 tr. PY		29.4	31.4	2.0	48	<5	<0.2	19	<2	112
		31.4	33.4	2.0	49	<5	<0.2	31	2	88
		33.4	35.4	2.0	N107950	<5	<0.2	28	2	68
35		35.4	37.4	2.0	51	<5	<0.2	21	<2	72
		37.4	39.4	2.0	52	<5	0.4	28	4	106
40		39.4	41.4	2.0	53	<5	0.2	21	<2	102
		41.4	43.4	2.0	54	<5	<0.2	23	<2	74
45		43.4	45.4	2.0	N107955	<5	<0.2	19	64	78







PAGE 6 OF 10		PROJECT: BUCK							HOLE NO. BCK96-05	
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
90		90.5	92.5	2.0	N107983	<5	1.2	52	56	518
		92.5	94.5	2.0	84	<5	1.0	47	64	304
95		94.5	96.5	2.0	85	<5	3.4	61	1620	3460
95.8 - SP, GL, PY on fracture w/ CA/CL		96.5	98.5	2.0	86	<5	1.4	55	388	474
		98.5	100.5	2.0	87	<5	1.8	55	560	1385
100		100.5	102.5	2.0	88	<5	3.0	49	1360	3490
		102.5	104.5	2.0	89	<5	0.4	51	52	316
106		104.5	106.5	2.0	N107990	<5	<0.2	38	28	168
		106.5	108.5	2.0	91	<5	0.2	55	16	338
		108.5	110.5	2.0	92	<5	<0.2	37	14	284
110		110.5	112.5	2.0	93	<5	0.4	45	18	312
		112.5	114.5	2.0	94	<5	<0.2	48	14	286
115		114.5	116.5	2.0	95	<5	0.2	57	22	258
		116.5	118.5	2.0	96	<5	<0.2	44	6	284
		118.5	120.5	2.0	97	<5	<0.2	68	8	330
120		120.5	122.5	2.0	98	<5	<0.2	50	8	226
123.6-145.0 core 5"		122.5	123.6	1.1	99	<5	1.0	62	8	422
		123.6	125.6	2.0	N108000	<5	<0.2	97	<2	78
125		125.6	127.6	2.0	01	<5	<0.2	107	2	76
		127.6	129.6	2.0	02	<5	<0.2	107	4	68
130		129.6	131.6	2.0	03	<5	<0.2	108	<2	72
		131.6	133.6	2.0	04	<5	<0.2	92	<2	64
		133.6	134.8	1.2	05	<5	<0.2	115	2	70
135		134.8	136.8	2.0	N108006	<5	<0.2	107	<2	78

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q D
					MS A	KA B	CA C	CL D	HE E			
135												
136.2												
139.3	100	ANA										85
140	100		110° CA 20° CA									72
142.3	96											56
145												
145.4	100	ANA	10°-20° faulted CA veined	145.0-149.0 BANDED ARGILLITE / FELSIC ASH TUFF								
148.0	100	ANA	broken zone CA veining talcose mineral 60%	well fractured w/ CA veinlets,								38
150	95											46
151.0	88	ANA		149.0-161.4 ANDESITE (FD in m. AU PORPHYRY,								
152.7	100	ANB		AMYGDALOIDAL: dark grey green								59
153.5	100		30° CA unfd.	crowded FD phenocrysts (1-2mm) -50%								44
155	73			Au - 0.1% to CA, up to 5mm (5%);								40
155.0				amygdules - CA w/ CL rim up to								
157.6	112		40° 2.0m vaag xaline CA	1.0cm concentrated near top of								62
160	100			flow, conformable contacts.								77
160.6	98		65°	161.4-181.2 BANDED ARGILLITE / FELSIC ASH TUFF								
163.7	100	ANA	60° 65° CA talcose veinlets SP PO, PY	(minor VTA: TUFF): as above, add +								59
165	100	ANA	60°	micro faults, areas of strong CA+talc (gypsum?) fractures + 2 CA/0.5-1"								
166.7	100	ANA	40° 50°	veins; felsic ash layers have brownish (14%) tinge, 180.4- lapilli clasts								67
168.4	100			strong micro faulting								59
169.3	89											0
170	95		65°	171.5-171.7 QZ-CA vein bx. CA rims								41
171.5	93		70°	QZ-5" fragments; needles (0.5-1.0mm) of								53
173.0	85		QZ/CA vein bx. AS>PY>SP, +GL?	AS>PY>SP, +GL?								20
175	96		KA, MS alt + PY>SP	171.7-176.2 beige-white to very pale								27
175.0	96		70° QZ/CA vein bx. AS>PY alt envelope KA, MS PY>SP>K/AS	green (KA>MS) alt zone w/ CA veinlets + PY>SP.								26
177.6	95			176.2-176.35 QZ-CA vein bx (as above),								
180				AS>PY.								
				176.35-177.0 beige-white to pale green.								
				MS, KA alt envelope, PY>>SP, tr AS,								
				GL.								

misplaced  
markers  
corrected

PAGE 8 OF 10		PROJECT: BUCK						HOLE NO. BCK96-05			
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS					
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	
135		136.8	138.8	2.0	N108007	45	40.2	105	42	76	
		138.8	140.8	2.0	08	45	40.2	95	42	66	
140		140.8	142.8	2.0	09	45	40.2	135	42	72	
		142.8	145.0	2.2	N108010	45	40.2	129	42	74	
145	145.0-149.0 2% PO=PY	145.0	145.4	.4	11	45	40.2	58	4	442	
		145.4	148.0	2.6	12	45	40.2	40	4	234	
		148.0	150.0	2.0	13	45	40.2	73	42	174	
150	149.0-161.4 trace S	150.0	152.0	2.0	14	45	40.2	111	42	64	
		152.0	154.0	2.0	15	45	40.2	113	42	82	
		154.0	156.0	2.0	16	45	40.2	101	42	68	
155		156.0	158.0	2.0	17	45	40.2	110	42	68	
		158.0	160.0	2.0	18	45	40.2	100	42	66	
160	161.4-171.5 2-3% PY >> PO, tr SP Structure silings, disseminat <sup>d</sup>	160.0	161.4	1.4	19	45	40.2	95	42	74	
		161.4	163.4	2.0	N108020	30	40.2	72	36	738	
		163.4	165.4	2.0	21	45	40.2	52	12	276	
165		165.4	167.4	2.0	22	45	1.0	48	10	254	
		167.4	169.4	2.0	23	45	0.6	53	12	468	
170		169.4	171.5	2.1	24	45	2.0	57	184	764	
	171.5-171.7 15% PY > AS, tr SP > GL in QZ, CA vein	171.5	171.7	.2	25	55	9.0	87	2300	3330	
		171.7	173.7	2.0	26	45	2.0	67	122	540	
	171.7-176.2 3-5% PY >> SP in CA veins, stringers disseminat <sup>d</sup> in KA, MS alt <sup>d</sup> zone	173.7	175.0	1.3	27	45	0.4	75	12	372	
175	176.2-176.35 20% PY < AS in QZ, CA vein	175.0	176.2	1.2	28	80	8.4	157	152	1500	
		176.2	176.4	.2	29	235	68.0	130	1820	3250	
		176.4	177.0	.6	N108030	30	18.0	172	840	2570	
	176.35-177.0 3% PY > tr GL, AS, SP in MS, CA alt <sup>d</sup> zone	177.0	179.0	2.0	31	15	4.8	47	480	1310	
180		179.0	181.2	2.2	32	10	4.4	47	298	960	





MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				Zn
		FROM	TO	WIDTH		Au (ppb)	Ag	Cu	Pb	
180 177.0 - 181.2 2% PY, Lr. SP										
		181.2	183.2	2.0	N108033	<5	0.4	83	4	86
181.2 - 196.5 trace S"										
		183.2	185.2	2.0	34	<5	0.6	186	<2	80
185										
		185.3	187.3	2.0	35	<5	<0.2	57	4	90
		187.3	189.7	2.4	36	<5	<0.2	58	4	78
190										
189.7 - 191.7 PY w/ CA veinlets										
		191.7	193.7	2.0	38	<5	<0.2	51	<2	102
		193.7	195.7	2.0	39	<5	<0.2	102	<2	84
195										
196.5 - 199.0 2% PY										
		195.7	196.5	.8	N108040	<5	0.4	168	<2	84
		196.5	198.2	1.7	41	<5	0.6	61	12	352
		198.2	199.0	.8	42	<5	<0.2	28	16	224
200 199.0 - 202.1 Lr. S"										
		199.0	201.0	2.0	43	<5	<0.2	88	<2	58
		201.0	202.1	1.1	N108044	<5	<0.2	102	<2	66



# EQUITY ENGINEERING LTD.

## DRILL LOG

PROJECT BUCK (BLK96-01)	GROUND ELEV. 1307m												
HOLE NO. BCK96-06	BEARING 290°												
LOCATION GRID 79+66N 50+71W	DIP -54.5°												
	TOTAL LENGTH 220.7m												
LOGGED BY D. A CAULFIELD	HORIZONTAL PROJECT												
DATE FEBRUARY 25-27, 1996	VERTICAL PROJECT												
CONTRACTOR FALCON DRILLING GALLANT TRUCKING	ALTERATION SCALE 												
CORE SIZE BTW	TOTAL SULPHIDE SCALE 												
DATE STARTED FEBRUARY 23, 1996													
DATE COMPLETED FEBRUARY 25, 1996													
DIP TESTS <table border="1"> <thead> <tr> <th></th> <th>Depth</th> <th>Uncorrected</th> <th>Corrected</th> </tr> </thead> <tbody> <tr> <td>24mm</td> <td>105.8</td> <td>61°</td> <td>52.5°</td> </tr> <tr> <td>t. tube</td> <td>202.4</td> <td>52°</td> <td>49.50</td> </tr> </tbody> </table>		Depth	Uncorrected	Corrected	24mm	105.8	61°	52.5°	t. tube	202.4	52°	49.50	
	Depth	Uncorrected	Corrected										
24mm	105.8	61°	52.5°										
t. tube	202.4	52°	49.50										
COMMENTS Drill test L14S trench area geology / soil geochemistry	LEGEND												

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	R Q D
					NS	KA	CA	CL				
					A	B	C	D	E			
0				0-2.1	DVB (casing)							
2.1		RDX		2.1-3.9	LAPILLI TUFF, FOSSILIF. : medium to dark grey, belemnite fossils, angular. 2mm - 1.0cm clasts - FD porphyry., supported in black argillaceous matrix.							26
4.9	81	ANa		3.9-11.3	ANDESITE (FD & AU PORPHYRY): medium green, characteristic AU (25%) phenocrysts, FD phenocrysts more ghost-like in appearance							35
7.5	83			11.3-16.8	FD XTAL TUFF: medium grey, FD x'tals supported in argillaceous, calcareous matrix; highly fossiliferous with belemnite, bivalve fossils,							35
10.1	100			16.8-19.8	LAPILLI TUFF, ARGILLITE / GRN. SILTST. DOMINANT: black & pale green colour, argillite & green siltst. clasts; belemnite fossils @ base.							96
11.3	87			19.8-21.0	LAPILLI TUFF, ARGILLITE / GRN. SILTST. DOMINANT: black & pale green colour, argillite & green siltst. clasts; belemnite fossils @ base.							27
12.8	50			21.0-23.8	LAPILLI TUFF: medium grey, similar to 16.8-19.8, w/ addition of argillite clasts.							0
13.4	82			23.8-25.8	LAPILLI TUFF, ARGILLITE & GRN FD PORPHYRY; DOMINANT: pale green MS alt & FD porphyry / argillite clasts n. andesite; similar in appearance to 19.8-21.0, clast-supported							0
14.0	94			25.8-34.3	LAPILLI TUFF: pale green to grey, matrix-supported, similar to 16.8-19.8 w/ EP alt.; 1-1.5cm circular concretions @ 25.8, 29.2; 29.7- belem, bivalve fossils							52
15	93			34.3-36.0	VOLCANIC SILTSTONE; poorly bedded, pale green; weak EP.							74
17.1	93			36.0-37.9	LAPILLI TUFF: medium-grey, matrix-supported, weak EP.							50
19.4	100			37.9-44.8								87
20.9	90											17
23.5	83											17
24.7	82											17
25.2	82											17
25.8	82											17
28.5	81											17
28.5	83											17
30.9	82											17
32.6	82											17
32.6	77											17
35.2	77											17
35.2	83											17
38.1	83											17
38.1	105											17
40.1	76											17
41.8	76											17
41.8	95											17
44.8	95											17
44.8	95											17

37.3-37.5 - silts.

PAGE 2 OF 10		PROJECT: BUCK				HOLE NO. BCK96-06				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0										
2.1-3.9 3-5% PY > PO disseminat <sup>d</sup>		2.1	3.9	1.8	N108045	<5	0.2	38	8	90
		3.9	5.9	2.0	46	<5	<0.2	65	2	84
5 3.9-11.3 trace S"		5.9	7.9	2.0	47	<5	0.2	108	2	64
		7.9	9.9	2.0	48	<5	<0.2	127	4	60
10		9.9	11.3	1.4	49	<5	0.2	135	2	66
11.3-16.8 2% PY > PO		11.3	13.3	2.0	50	<5	0.2	36	8	90
		13.6	15.3	1.7	N108051	<5	<0.2	27	8	82
15		15.3	16.8	1.5	52	<5	<0.2	25	4	102
16.8-19.8 2%-3% PO > PY disseminat <sup>d</sup> Equally through matrix & clasts		16.8	18.8	2.0	53	<5	<0.2	7	8	48
18.8-19.8 2%-3% PO > PY disseminat <sup>d</sup>		18.8	19.8	1.0	54	<5	<0.2	14	10	72
20 19.8-21.0 1-2% PY > PY		19.8	21.0	1.2	55	<5	<0.2	44	4	104
21.0-23.9 1% PY		21.0	23.0	2.0	56	<5	<0.2	31	8	90
23.8-25.8 1% PO = PY		23.0	23.8	.8	57	<5	0.2	25	8	66
25		23.8	25.8	2.0	58	<5	0.2	40	4	86
25.8-34.3 <1% PY > PO		25.8	27.8	2.0	59	<5	0.2	43	8	80
		27.8	29.8	2.0	N108060	<5	0.2	25	12	64
30		29.8	31.8	2.0	61	<5	0.6	46	10	68
		31.8	34.3	2.5	62	<5	0.4	27	8	66
35 34.3-36.0 1% PO > PY		34.3	36.0	1.7	63	<5	0.2	43	8	100
36.0-37.9 <1% PO, PY		36.0	37.9	1.9	64	<5	0.4	24	4	64
37.9-44.3 trace S"		37.9	39.9	2.0	65	<5	0.4	102	12	70
40		39.9	41.9	2.0	66	<5	0.6	97	8	66
		41.9	44.4	2.5	67	<5	0.4	102	4	74
45		44.4	46.4	2.0	N108069	<5	0.4	41	8	54










PAGE 6 OF 10		PROJECT: BUCK				HOLE NO. BCK96-06				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
90										
88.5-91.3 1% PO, 1% SP, 0.5% PY, tr. GL, AS in MS7LL a 1 <sup>st</sup> felsic breccia		90.0	91.3	1.3	N108093	45	0.4	26	680	1890
		91.3	92.6	1.3	94	45	40.2	14	66	344
		92.6	94.6	2.0	95	45	40.2	14	98	384
95		94.6	96.6	2.0	96	45	40.2	35	66	234
91.3-92.6 1-2% PO, SP, PY diss. in MS, LL a 1 <sup>st</sup> l. tuff										
92.6-100.1 1%-2% PY, PO, & SP CP.		96.6	98.6	2.0	97	45	40.2	18	10	96
		98.6	100.1	1.5	98	45	40.2	15	28	188
100										
100.1-100.8 tr. PY		100.1	100.8	.7	99	45	40.2	9	28	210
100.8-109.1 <1% PO, PY		100.8	102.8	2.0	N108100	45	40.2	19	24	188
		102.8	104.8	2.0	01	45	40.2	22	14	182
105		104.8	106.8	2.0	02	45	40.2	24	16	150
		106.8	109.1	2.3	03	45	40.2	22	10	142
110		109.1	111.2	2.1	04	20	40.2	22	30	688
SP occurs in hairline fracture @ 110.9.		111.2	113.1	1.9	05	45	40.2	16	20	214
113.1-124.4 <1% S" PY, PO, & SP note: diss. SP, GL, PY occur in FD porphyry (rhyolite) clast. no S" in other clasts or matrix of or around this clast.		113.1	115.1	2.0	06	45	40.2	26	20	92
115		115.1	117.1	2.0	07	45	40.2	22	36	198
		117.1	119.1	2.0	08	45	40.2	26	28	172
120		119.1	121.1	2.0	09	45	40.2	20	8	180
		121.1	123.1	2.0	N108110	45	40.2	31	14	182
124.4-141.0 1% PY, tr. SP, S" concentrated in coarse clastic horizons & CA veinlets.		123.1	124.4	1.3	11	45	40.2	24	14	246
	125	124.4	126.4	2.0	12	45	40.2	68	30	300
		126.4	128.4	2.0	13	5	40.2	66	6	168
130		128.4	130.4	2.0	14	5	40.2	65	4	168
		130.4	132.4	2.0	15	45	40.2	59	6	160
		132.4	134.4	2.0	16	65	1.0	63	62	1165
135		134.4	136.4	2.0	17	5	0.2	52	12	158







MINERALIZATION DESCRIPTION	TOTAL SULPHIDES	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH		Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
180		180.3	182.3	2.0	M08140	5	40.2	32	8	206
		182.3	184.3	2.0	41	10	40.2	35	2	134
185 184.7-191.0 2% PY		184.3	186.3	2.0	42	45	40.2	17	2	114
		186.3	188.3	2.0	43	45	40.2	19	42	94
		188.3	191.0	2.7	44	45	40.2	52	12	144
190		191.0	193.0	2.0	45	45	36	61	240	588
191.0-205.8 overall 2% PY - disseminated stronger concentrations in CA-CL% QZ veining 192.5- 5cm CA/CLV. /w PY. w/ KRAITE envelope.		193.0	195.0	2.0	46	45	0.2	34	20	298
195		195.0	196.3	1.3	47	50	0.2	89	8	194
195.6- 1.5cm QZ-CA w/ PY & AS		196.3	197.6	1.3	48	35	0.4	32	4	148
		197.6	199.6	2.0	49	10	0.4	41	12	182
200		199.6	201.6	2.0	N108150	25	0.2	33	12	82
		201.6	203.6	2.0	51	30	40.2	22	4	50
		203.6	205.8	2.2	52	45	40.2	47	4	76
205 204.5- 3- CA (veiny, x-talline) veinlets w/ PY		205.8	207.8	2.0	53	45	40.2	36	32	514
205.8-213.4 2% PY fr. SP		207.8	209.8	2.0	54	45	40.2	28	32	108
207.6- zoned SP -  light dark		209.8	211.8	2.0	55	45	0.2	36	12	84
210 in CA veinlet w/ PY & 60°		211.8	213.4	1.6	56	60	40.2	28	4	102
213.4-214.3 fr. 5"		213.4	214.3	.9	57	10	40.2	52	20	190
215 214.3-219.6 <1% 5" fr. SP, CP hosted in concret? 215.8		214.3	216.3	2.0	58	10	40.2	26	4	124
		216.3	218.3	2.0	59	45	40.2	13	2	172
220 219.6-220.2 fr. 5"		218.3	219.6	1.3	N108160	45	40.2	17	2	68
		219.6	220.2	.6	61	15	0.2	79	22	124
220.2-220.7- 1% PY		220.2	220.7	.5	N108162	45	40.2	18	44	90



**APPENDIX D**

**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

A9612312

Comments: ATTN:D. A. CAULFIELD

**CERTIFICATE** **A9612312**

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK96-01  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 21-FEB-96.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	31	Geochem ring to approx 150 mesh
226	31	0-3 Kg crush and split
3202	31	Rock - save entire reject
285	31	ICP - HF digestion charge

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	31	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	31	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	31	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	31	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	31	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	31	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	31	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	31	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	31	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	31	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	31	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	31	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	31	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	31	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	31	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	31	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	31	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	31	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	31	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	31	Pb ppm: 24 element, rock & core	AAS	2	10000
582	31	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	31	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	31	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	31	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	31	Zn ppm: 24 element, rock & core	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: EQUITY ENGINEERING LTD.

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

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 21-FEB-96  
 Invoice No. : 19612312  
 P.O. Number :  
 Account : EIA

Project : BLK96-01  
 Comments: ATTN:D. A. CAULFIELD

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9612312</b>
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SAMPLE	PREP CODE		Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
			FA+AA	AAS	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
107551	205	226	< 5	< 0.2	6.16	750	0.5	4	1.82	< 0.5	11	269	35	2.62	1.45	1.34
107552	205	226	< 5	0.2	7.16	1050	0.5	< 2	2.24	0.5	12	79	62	3.69	2.47	1.69
107553	205	226	< 5	0.4	8.85	870	1.0	< 2	2.96	1.0	6	65	57	2.73	2.39	0.76
107554	205	226	< 5	0.2	8.97	640	1.0	< 2	2.42	0.5	6	27	38	2.55	1.96	0.75
107555	205	226	< 5	0.4	8.79	490	1.0	< 2	3.15	1.0	5	39	43	2.74	2.54	0.52
107556	205	226	< 5	< 0.2	9.04	670	1.0	< 2	2.62	0.5	6	33	42	2.60	2.13	0.76
107557	205	226	< 5	< 0.2	6.67	790	1.0	< 2	2.05	< 0.5	12	123	34	3.24	2.57	1.47
107558	205	226	< 5	0.4	6.62	950	0.5	< 2	2.22	0.5	13	109	56	3.52	2.77	1.29
107559	205	226	< 5	0.2	7.16	1110	0.5	< 2	3.02	1.5	11	74	56	3.55	2.62	1.30
107560	205	226	< 5	0.2	6.86	860	0.5	< 2	2.57	0.5	13	107	49	3.41	2.47	1.29
107561	205	226	< 5	0.2	7.34	1380	0.5	< 2	2.17	0.5	15	107	44	3.89	2.67	1.42
107562	205	226	< 5	< 0.1	7.36	940	0.5	< 2	2.70	0.5	12	66	52	4.32	2.12	1.28
107563	205	226	< 5	0.2	7.03	620	0.5	< 2	3.81	0.5	10	49	45	3.78	2.05	1.20
107564	205	226	< 5	4.8	6.93	430	0.5	< 2	4.32	1.0	9	57	39	3.66	1.97	1.09
107565	205	226	< 5	0.4	7.70	850	0.5	< 2	3.56	< 0.5	10	58	34	3.78	1.36	1.24
107566	205	226	< 5	< 0.2	8.31	850	0.5	2	3.50	0.5	13	58	37	4.24	1.38	1.33
107567	205	226	< 5	< 0.2	8.07	840	0.5	< 2	2.94	< 0.5	11	50	32	3.76	1.45	1.31
107568	205	226	< 5	< 0.2	8.18	950	0.5	4	4.26	2.0	14	63	67	4.50	1.58	1.32
107569	205	226	< 5	< 0.2	8.74	1030	0.5	< 2	3.42	3.0	15	42	56	4.10	2.17	1.41
107570	205	226	< 5	1.6	8.49	690	0.5	26	6.61	6.0	12	41	61	4.57	1.75	1.51
107571	205	226	< 5	0.4	8.47	820	0.5	4	5.44	5.0	13	43	59	4.54	1.62	1.61
107572	205	226	< 5	0.8	8.03	720	0.5	12	5.77	15.5	13	54	75	4.55	1.41	1.40
107573	205	226	< 5	< 0.2	9.11	860	0.5	< 2	4.98	0.5	16	35	54	4.80	1.15	1.88
107574	205	226	< 5	0.4	8.67	450	0.5	20	6.03	20.0	19	36	122	5.77	1.24	1.75
107575	205	226	< 5	< 0.2	9.21	690	0.5	4	5.12	< 0.5	18	23	59	4.97	1.30	1.92
107576	205	226	< 5	< 0.2	9.17	620	0.5	< 2	5.12	0.5	18	14	45	5.09	1.47	2.03
107577	205	226	15	1.4	8.40	480	0.5	12	5.34	15.0	17	19	95	5.25	1.95	1.74
107578	205	226	< 5	< 0.2	8.42	400	0.5	4	4.91	1.5	19	48	42	5.01	1.65	1.75
107579	205	226	< 5	< 0.2	7.86	210	2.0	< 2	4.09	7.0	16	57	43	5.23	2.55	1.56
107580	205	226	< 5	< 0.2	5.43	180	0.5	2	7.37	4.0	16	73	28	5.84	2.34	2.51
107581	205	226	< 5	< 0.2	8.86	470	0.5	2	5.88	0.5	23	29	42	5.40	1.91	2.18

CERTIFICATION:

*[Handwritten Signature]*



# 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 : BLK96-01  
 Comments: ATTN:D. A. CAULFIELD

Page Number :1-B  
 Total Pages :1  
 Certificate Date: 21-FEB-96  
 Invoice No. :I9612312  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9612312

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107551	205 226	630	3	1.46	73	540	12	248	0.25	88	< 10	62			
107552	205 226	1010	3	0.60	45	820	14	144	0.34	150	< 10	148			
107553	205 226	795	2	2.69	2	1140	20	274	0.16	24	< 10	134			
107554	205 226	535	2	3.48	1	1180	18	352	0.16	24	< 10	82			
107555	205 226	520	1	2.47	< 1	1180	14	278	0.16	23	< 10	48			
107556	205 226	635	2	3.33	< 1	1210	14	314	0.17	26	< 10	110			
107557	205 226	540	4	0.56	86	880	4	150	0.31	133	< 10	70			
107558	205 226	545	1	0.30	76	540	4	141	0.32	154	< 10	54			
107559	205 226	735	1	0.73	41	720	18	210	0.29	114	< 10	156			
107560	205 226	495	3	0.90	69	670	10	188	0.31	146	< 10	68			
107561	205 226	550	1	1.36	74	790	8	262	0.36	156	< 10	80			
107562	205 226	565	1	1.52	38	900	8	286	0.37	124	< 10	50			
107563	205 226	810	3	1.06	21	860	14	268	0.35	113	< 10	98			
107564	205 226	1010	4	1.03	15	820	116	245	0.32	100	< 10	308			
107565	205 226	800	2	2.38	18	900	8	459	0.38	119	< 10	54			
107566	205 226	910	1	2.87	21	1050	10	535	0.38	130	< 10	62			
107567	205 226	760	1	3.04	16	950	8	519	0.36	117	< 10	66			
107568	205 226	965	2	2.45	23	1210	10	482	0.40	145	< 10	232			
107569	205 226	1070	1	2.38	15	1090	18	469	0.38	131	< 10	312			
107570	205 226	1845	2	2.22	13	1300	26	479	0.42	153	< 10	572			
107571	205 226	1745	1	2.10	15	1040	14	465	0.42	160	< 10	504			
107572	205 226	1590	3	1.77	20	1220	32	413	0.39	149	< 10	1495			
107573	205 226	1130	< 1	2.41	13	1180	8	588	0.46	183	< 10	96			
107574	205 226	1780	1	2.39	12	1260	8	524	0.45	202	< 10	1900			
107575	205 226	1270	2	2.97	8	1260	10	584	0.45	178	< 10	78			
107576	205 226	1220	2	2.58	8	1270	4	571	0.45	196	< 10	94			
107577	205 226	1335	1	1.77	4	1170	46	394	0.39	155	< 10	1330			
107578	205 226	1195	< 1	2.04	16	1040	20	410	0.41	181	< 10	168			
107579	205 226	1725	1	0.19	15	940	44	118	0.42	207	< 10	602			
107580	205 226	1670	3	0.13	10	790	26	123	0.26	117	< 10	384			
107581	205 226	1250	2	1.38	11	1190	12	378	0.43	196	< 10	96			

CERTIFICATION: \_\_\_\_\_



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To: EQUITY ENGINEERING LTD.

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

Project : BLK96-01  
Comments: ATTN:D.A. CAULFIELD

Page Number :1-A  
Total Pages :2  
Certificate Date: 04-MAR-96  
Invoice No. :I9612709  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS A9612709

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107582	205 226	< 5	0.4	8.76	430	< 0.5	10	7.35	5.0	21	37	72	5.52	0.87	2.12
107583	205 226	< 5	2.2	8.38	620	0.5	20	7.37	3.0	18	41	103	4.92	0.85	1.75
107584	205 226	15	40.0	7.74	280	< 0.5	118	8.66	23.5	20	61	123	5.45	0.63	1.24
107585	205 226	5	0.2	7.54	630	0.5	< 2	5.19	< 0.5	13	47	50	4.06	1.62	1.05
107586	205 226	< 5	< 0.2	16.05	1450	2.0	< 2	4.90	< 0.5	14	87	32	4.22	3.04	1.73
107587	205 226	< 5	< 0.2	14.10	1530	1.5	< 2	4.08	< 0.5	17	120	60	5.36	3.48	1.63
107588	205 226	< 5	2.8	14.45	870	1.5	< 2	4.21	21.5	22	135	140	6.77	4.66	1.71
107589	205 226	< 5	0.4	14.30	1330	1.5	4	6.40	< 0.5	21	118	80	6.22	4.35	1.79
107590	205 226	< 5	0.4	14.95	1030	1.5	< 2	4.45	< 0.5	22	127	73	6.70	5.23	1.86
107591	205 226	< 5	0.4	13.40	330	1.0	< 2	8.52	< 0.5	22	91	117	7.95	4.01	2.08
107592	205 226	< 5	1.6	14.25	1070	1.5	2	8.20	13.5	17	109	129	6.67	4.83	2.02
107593	205 226	< 5	1.2	14.65	370	1.5	< 2	5.93	4.5	21	93	201	7.20	4.40	1.18
107594	205 226	< 5	0.6	13.90	710	1.0	< 2	2.95	4.5	20	120	188	6.88	3.38	0.59
107595	205 226	< 5	0.4	13.70	160	1.0	< 2	4.37	4.5	19	115	307	9.40	4.68	1.24
107596	205 226	< 5	0.4	14.15	1210	1.0	< 2	5.27	68.5	19	123	216	8.32	5.35	1.29
107597	205 226	< 5	0.4	13.60	210	1.5	< 2	3.93	47.5	15	120	290	8.51	7.09	1.13
107598	205 226	< 5	< 0.2	6.77	670	0.5	< 2	2.69	35.5	12	64	128	4.83	2.89	0.70
107599	205 226	< 5	0.4	6.71	90	< 0.5	4	3.13	35.0	21	63	249	6.64	2.19	0.82
107600	205 226	90	0.8	6.87	590	0.5	2	3.51	2.0	10	80	109	3.70	1.86	0.99
107601	205 226	15	0.2	7.13	590	0.5	< 2	2.67	2.5	9	70	68	3.36	2.18	0.68
107602	205 226	< 5	< 0.2	6.98	590	0.5	< 2	2.60	< 0.5	7	76	44	2.71	2.08	0.45
107603	205 226	< 5	< 0.2	6.90	540	0.5	< 2	2.35	2.5	8	91	42	2.81	1.98	0.46
107604	205 226	< 5	< 0.2	7.04	490	0.5	< 2	2.37	11.5	11	83	64	4.03	1.94	0.70
107605	205 226	< 5	< 0.2	6.97	530	0.5	< 2	2.65	5.5	8	89	49	3.08	1.57	0.67
107606	205 226	< 5	0.4	6.91	580	0.5	4	2.37	4.0	9	91	44	3.16	1.73	0.72
107607	205 226	< 5	< 0.2	6.79	480	0.5	8	3.16	0.5	9	88	44	3.16	1.63	0.69
107608	205 226	< 5	< 0.2	6.94	570	0.5	< 2	2.45	< 0.5	8	87	43	2.83	1.84	0.64
107609	205 226	< 5	< 0.2	7.04	540	0.5	< 2	3.07	0.5	9	83	40	3.04	1.68	0.69
107610	205 226	< 5	0.2	7.19	570	0.5	2	3.52	< 0.5	9	73	39	3.42	1.73	0.79
107611	205 226	< 5	< 0.2	7.26	630	0.5	< 2	3.92	< 0.5	12	67	47	3.64	2.16	0.89
107612	205 226	< 5	0.2	7.38	690	0.5	< 2	3.01	< 0.5	10	77	36	3.28	2.33	0.79
107613	205 226	45	< 0.2	7.08	480	0.5	< 2	3.36	< 0.5	11	78	61	3.19	2.10	0.58
107614	205 226	< 5	< 0.2	6.78	480	0.5	< 2	2.93	< 0.5	12	77	51	2.91	2.06	0.67
107615	205 226	< 5	< 0.2	7.01	560	0.5	2	2.88	< 0.5	10	80	59	3.24	2.20	0.57
107616	205 226	< 5	< 0.2	7.05	510	0.5	< 2	4.36	< 0.5	11	64	51	3.40	2.18	0.75
107617	205 226	10	2.2	6.93	560	0.5	26	3.51	10.0	11	82	63	3.50	2.00	0.68
107618	205 226	< 5	< 0.1	7.23	320	0.5	< 2	3.04	8.0	13	78	62	4.17	2.24	1.05
107619	205 226	< 5	< 0.1	6.81	630	0.5	< 2	3.39	< 0.5	10	73	51	3.32	2.12	0.74
107620	205 226	< 5	0.4	6.61	530	0.5	< 2	2.64	1.5	9	80	37	2.65	1.69	0.59
107621	205 226	< 5	19.0	6.61	490	0.5	54	4.25	11.5	11	70	67	3.85	1.95	0.89

CERTIFICATION:

*Jhai D Ma*



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Project : BLK96-01  
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Page Number : 1-B  
 Total Pages : 2  
 Certificate Date: 04-MAR-96  
 Invoice No. : 19612709  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS A9612709

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	INT. ST COUNTS		
107582	205 226	2070	< 1	2.02	8	1250	10	533	0.46	225	< 10	646	4030		
107583	205 226	2750	< 1	2.26	11	1110	42	511	0.40	175	< 10	486	4010		
107584	205 226	6700	< 1	1.75	18	990	1700	423	0.36	178	< 10	2530	4140		
107585	205 226	1755	< 1	2.03	9	1090	20	347	0.34	120	< 10	90	4140		
107586	205 226	1740	1	7.90	9	1340	22	977	0.42	105	< 10	106	3990		
107587	205 226	1430	< 1	6.06	20	1060	18	728	0.52	157	< 10	134	4050		
107588	205 226	1485	1	5.65	25	1260	436	692	0.58	179	< 10	2020	3870		
107589	205 226	2690	5	5.63	22	1440	44	633	0.56	195	< 10	152	3770		
107590	205 226	1895	4	5.63	24	1320	24	806	0.61	216	< 10	132	3850		
107591	205 226	3820	< 1	4.73	21	1680	32	547	0.63	214	< 10	158	3840		
107592	205 226	4030	< 1	3.49	19	1490	264	457	0.61	200	< 10	1480	3910		
107593	205 226	1660	1	4.95	22	1460	50	317	0.66	214	< 10	512	3900		
107594	205 226	785	9	7.26	21	1390	34	347	0.62	175	< 10	500	3870		
107595	205 226	1330	2	3.95	24	1440	28	305	0.63	196	< 10	614	4020		
107596	205 226	1660	5	3.70	27	1700	28	329	0.73	238	< 10	5570	4080		
107597	205 226	1295	1	2.61	25	1400	24	263	0.58	180	< 10	3960	4010		
107598	205 226	1050	3	1.33	14	600	14	160	0.30	107	< 10	3230	4310		
107599	205 226	1105	1	1.62	14	750	10	164	0.35	147	< 10	2900	3940		
107600	205 226	785	5	2.24	16	580	28	214	0.29	111	< 10	288	4090		
107601	205 226	685	5	2.13	14	670	18	188	0.33	108	< 10	294	4040		
107602	205 226	520	8	2.08	12	580	14	190	0.30	99	< 10	130	4070		
107603	205 226	420	8	2.22	22	510	14	177	0.27	118	< 10	264	3960		
107604	205 226	555	6	2.13	21	630	12	187	0.34	165	< 10	1085	4200		
107605	205 226	560	6	2.26	16	510	14	236	0.29	108	< 10	520	4000		
107606	205 226	395	7	2.36	21	490	20	218	0.29	122	< 10	416	3960		
107607	205 226	950	7	2.31	20	660	16	232	0.31	116	< 10	178	4050		
107608	205 226	485	6	2.46	16	560	12	266	0.31	107	< 10	60	4090		
107609	205 226	885	8	2.44	16	580	38	291	0.32	113	< 10	152	4120		
107610	205 226	1330	9	2.42	14	630	40	295	0.34	110	< 10	74	3990		
107611	205 226	1710	< 1	2.18	17	760	14	276	0.34	121	< 10	112	3970		
107612	205 226	595	< 1	2.28	15	720	12	272	0.31	108	< 10	86	4030		
107613	205 226	830	1	2.14	14	740	14	225	0.30	104	< 10	62	4150		
107614	205 226	890	< 1	2.04	15	730	14	185	0.34	102	< 10	72	4000		
107615	205 226	745	2	2.12	12	730	32	228	0.32	98	< 10	88	4010		
107616	205 226	875	1	2.40	9	780	16	229	0.34	97	< 10	50	3960		
107617	205 226	2190	7	2.48	20	800	74	264	0.32	103	< 10	1075	4040		
107618	205 226	1230	< 1	2.44	17	900	22	252	0.40	137	< 10	872	4000		
107619	205 226	2700	5	2.44	15	710	36	258	0.31	103	< 10	78	4170		
107620	205 226	1805	5	2.82	13	570	36	266	0.28	81	< 10	194	4240		
107621	205 226	4240	5	2.11	15	750	1400	277	0.33	135	< 10	1195	3900		

CERTIFICATION:

*Phai D Ma*



# 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 : BLK96-01  
 Comments: ATTN:D.A. CAULFIELD

Page Number :2-A  
 Total Pages :2  
 Certificate Date: 04-MAR-96  
 Invoice No. :I9612709  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9612709

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107622	205 226	< 5	< 0.2	6.96	730	0.5	< 2	3.09	0.5	11	71	58	3.64	2.00	0.95
107623	205 226	< 5	< 0.2	6.86	740	0.5	< 2	2.57	9.0	9	77	42	3.11	2.03	0.82
107624	205 226	< 5	< 0.2	13.85	1230	1.0	< 2	3.87	< 0.5	18	158	99	6.83	4.93	1.53
107625	205 226	< 5	19.0	6.90	630	0.5	40	2.28	11.5	9	88	59	3.44	1.69	0.73
107626	205 226	< 5	3.0	6.98	380	0.5	10	2.29	3.5	10	93	53	3.32	1.13	0.74
107627	205 226	< 5	6.8	6.82	370	< 0.5	16	3.27	7.5	11	75	58	3.34	1.39	0.80
107628	205 226	< 5	0.2	6.73	340	0.5	< 2	2.53	0.5	9	94	38	2.99	1.07	0.74
107629	205 226	< 5	< 0.2	6.87	510	< 0.5	4	3.23	< 0.5	15	74	76	3.80	1.54	1.09
107630	205 226	< 5	< 0.2	8.16	160	< 0.5	< 2	5.92	< 0.5	24	67	139	5.63	1.65	2.11
107631	205 226	< 5	< 0.2	8.86	330	< 0.5	< 2	6.14	< 0.5	30	39	105	6.41	1.44	3.04
107632	205 226	< 5	< 0.2	9.78	430	< 0.5	2	4.02	3.0	26	38	96	6.52	1.89	2.83
107633	205 226	< 5	< 0.2	7.40	420	< 0.5	< 2	2.62	< 0.5	12	69	58	4.04	1.48	1.35
107634	205 226	< 5	< 0.2	8.65	390	< 0.5	< 2	3.72	< 0.5	21	61	92	5.34	2.04	2.18
107635	205 226	< 5	< 0.2	7.31	600	0.5	< 2	2.38	< 0.5	13	99	68	3.67	2.20	0.93
107636	205 226	< 5	< 0.2	6.33	490	0.5	< 2	4.74	1.0	11	110	51	3.24	1.47	0.84
107637	205 226	< 5	< 0.2	7.02	490	0.5	< 2	2.49	3.5	12	89	70	3.54	2.00	0.83
107638	205 226	< 5	< 0.2	6.17	660	< 0.5	< 2	2.77	6.0	10	111	72	3.21	1.73	0.63
107639	205 226	< 5	2.4	6.86	340	0.5	12	3.16	10.0	10	93	69	3.54	1.84	0.78
107640	205 226	< 5	1.6	6.91	480	0.5	20	2.72	7.5	9	104	68	3.28	1.57	0.74
107641	205 226	< 5	1.0	6.63	610	0.5	6	3.29	8.0	11	95	90	3.39	2.05	0.70

CERTIFICATION: *Yhai D Ma*



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Analytical Chemists \* Geochemists \* Registered Assayers  
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To: EQUITY ENGINEERING LTD.

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

Project : BLK96-01  
 Comments: ATTN:D.A. CAULFIELD

Page Number :2-B  
 Total Pages :2  
 Certificate Date: 04-MAR-96  
 Invoice No. :19612709  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9612709

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	INT. ST COUNTS		
107622	205 226	2430	8	2.54	16	630	18	289	0.33	128	< 10	178	4120		
107623	205 226	1575	4	2.69	14	530	16	269	0.30	110	< 10	980	4130		
107624	205 226	1280	4	4.98	35	1400	24	518	0.64	223	< 10	138	3860		
107625	205 226	920	7	3.04	21	660	1300	280	0.31	116	< 10	1210	4240		
107626	205 226	1150	15	3.68	27	720	224	232	0.36	158	< 10	400	4030		
107627	205 226	1360	15	3.22	24	650	636	188	0.33	154	< 10	738	4120		
107628	205 226	995	8	3.53	21	540	18	199	0.29	133	< 10	122	4110		
107629	205 226	885	9	2.70	26	640	16	255	0.34	162	< 10	68	4120		
107630	205 226	2240	1	2.55	22	1040	16	375	0.48	246	< 10	98	4060		
107631	205 226	2170	< 1	2.57	28	1110	8	441	0.53	289	< 10	122	4000		
107632	205 226	1540	< 1	2.58	26	1190	8	415	0.58	321	< 10	394	4060		
107633	205 226	805	7	2.90	21	770	8	288	0.40	169	< 10	162	4200		
107634	205 226	1580	< 1	2.93	19	910	8	384	0.48	230	< 10	118	3950		
107635	205 226	715	25	3.09	42	670	14	263	0.36	229	< 10	62	4140		
107636	205 226	1735	24	2.81	41	570	46	233	0.31	186	< 10	142	4210		
107637	205 226	620	37	2.89	50	540	20	255	0.33	225	< 10	324	3990		
107638	205 226	720	40	2.52	55	540	24	233	0.30	262	< 10	508	3990		
107639	205 226	1385	25	2.81	36	580	68	260	0.33	206	< 10	912	4230		
107640	205 226	1590	28	2.91	38	560	68	253	0.31	200	< 10	766	4170		
107641	205 226	1430	45	2.28	60	560	56	233	0.31	290	< 10	798	4180		

CERTIFICATION:

*Yhai D Ma*



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To: EQUITY ENGINEERING LTD.

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

Project : BLK96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 1-A  
Total Pages : 3  
Certificate Date: 04-MAR-96  
Invoice No. : 19612719  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

## A9612719

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107642	205 226	< 5	0.8	6.65	470	0.5	< 2	2.82	3.0	9	84	68	3.01	1.76	0.72
107643	205 226	< 5	0.4	7.08	660	0.5	< 2	2.75	3.0	12	109	116	3.77	2.05	0.78
107644	205 226	< 5	0.4	6.55	450	0.5	< 2	3.21	0.5	10	78	66	3.17	1.56	0.80
107645	205 226	< 5	0.2	6.56	620	0.5	< 2	3.31	7.0	8	95	72	2.93	1.90	0.60
107646	205 226	< 5	0.4	6.54	510	0.5	< 2	2.96	4.0	10	93	65	3.41	1.62	0.74
107647	205 226	< 5	< 0.2	6.49	520	0.5	< 2	2.35	3.5	8	84	59	2.98	1.63	0.66
107648	205 226	< 5	0.2	9.01	430	0.5	< 2	5.51	< 0.5	24	61	45	5.86	1.70	2.93
107649	205 226	< 5	< 0.2	9.17	460	0.5	< 2	6.08	< 0.5	26	57	44	6.12	1.65	2.95
107650	205 226	< 5	0.4	9.25	450	0.5	< 2	6.21	< 0.5	27	56	66	6.18	1.79	3.05
107651	205 226	< 5	0.4	9.48	440	0.5	< 2	6.47	< 0.5	29	52	78	6.44	1.79	3.14
107652	205 226	< 5	< 0.2	9.20	380	0.5	< 2	6.29	< 0.5	25	48	80	6.07	1.61	2.97
107653	205 226	< 5	< 0.2	9.16	420	0.5	< 2	6.30	< 0.5	27	48	80	6.03	1.84	2.90
107654	205 226	< 5	< 0.2	9.36	580	0.5	< 2	6.22	< 0.5	28	55	68	6.27	1.81	3.05
107655	205 226	< 5	< 0.2	8.92	610	0.5	< 2	5.08	< 0.5	25	55	43	5.90	1.62	2.95
107656	205 226	< 5	< 0.2	7.00	420	0.5	< 2	2.13	1.5	12	82	80	3.77	1.45	0.98
107657	205 226	< 5	< 0.2	7.05	640	0.5	< 2	1.87	5.5	11	102	125	3.72	1.74	0.99
107658	205 226	< 5	< 0.2	9.92	550	0.5	< 2	5.89	< 0.5	25	46	68	6.38	1.90	2.98
107659	205 226	< 5	< 0.2	9.35	430	0.5	< 2	6.17	< 0.5	23	50	60	5.89	1.61	2.89
107660	205 226	< 5	< 0.2	6.58	540	0.5	< 2	4.27	2.5	10	89	69	3.37	1.70	0.88
107661	205 226	< 5	< 0.2	6.43	370	0.5	< 2	3.46	1.5	8	79	46	2.94	1.13	0.70
107662	205 226	< 5	< 0.2	6.43	580	0.5	< 2	4.03	3.5	10	81	61	3.70	1.59	0.72
107663	205 226	< 5	< 0.2	6.45	400	0.5	< 2	4.18	1.5	11	43	54	3.53	1.12	0.64
107664	205 226	< 5	< 0.2	6.74	490	0.5	< 2	3.71	3.5	8	71	55	2.95	1.45	0.45
107665	205 226	< 5	< 0.2	5.68	370	0.5	< 2	6.93	0.5	8	61	47	3.03	1.08	0.63
107666	205 226	< 5	< 0.2	6.37	520	0.5	< 2	4.46	3.0	10	84	71	3.40	1.58	0.76
107667	205 226	< 5	< 0.2	6.24	540	0.5	12	5.07	13.0	13	99	104	4.00	1.30	1.02
107668	205 226	< 5	< 0.2	8.67	610	0.5	< 2	7.00	< 0.5	19	118	86	5.04	1.45	2.56
107669	205 226	< 5	< 0.2	6.54	630	0.5	2	5.44	< 0.5	12	82	102	4.18	1.34	1.36
107670	205 226	< 5	< 0.2	8.67	720	0.5	< 2	5.61	< 0.5	27	137	87	5.31	1.83	2.98
107671	205 226	< 5	< 0.2	6.47	430	0.5	4	4.73	< 0.5	14	102	99	3.67	1.24	0.78
107672	205 226	< 5	< 0.2	6.67	540	0.5	< 2	3.74	< 0.5	13	94	94	3.93	1.48	0.90
107673	205 226	< 5	< 0.2	6.16	480	0.5	< 2	4.68	1.5	8	90	49	2.82	1.19	1.08
107674	205 226	< 5	0.8	6.57	610	0.5	2	4.08	6.5	12	114	92	3.78	1.58	0.97
107675	205 226	< 5	< 0.2	6.76	560	0.5	< 2	3.71	2.5	11	120	82	3.53	1.91	1.05
107676	205 226	< 5	< 0.2	6.67	590	0.5	2	4.00	8.0	11	119	58	3.49	1.53	1.05
107677	205 226	< 5	< 0.2	6.83	540	0.5	< 2	2.57	2.0	9	120	71	3.37	1.51	0.84
107678	205 226	< 5	< 0.2	6.80	420	< 0.5	< 2	2.02	< 0.5	9	107	66	4.02	1.16	0.99
107679	205 226	< 5	< 0.2	9.10	500	0.5	4	6.11	< 0.5	23	81	60	5.77	1.49	2.77
107680	205 226	< 5	< 0.2	6.62	310	0.5	2	1.81	< 0.5	9	125	47	3.40	0.94	1.08
107681	205 226	< 5	< 0.2	8.73	390	0.5	2	6.20	< 0.5	23	75	15	5.44	1.30	2.96

CERTIFICATION:

*Phai D Ma*





# 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 : BLK96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 1-B  
 Total Pages : 3  
 Certificate Date: 04-MAR-96  
 Invoice No. : 19612719  
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## CERTIFICATE OF ANALYSIS A9612719

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107642	205 226	1380	25	2.51	32	560	50	231	0.30	166	< 10	338			
107643	205 226	835	30	2.38	44	580	18	243	0.33	214	< 10	350			
107644	205 226	1685	17	2.33	27	490	60	265	0.32	159	< 10	122			
107645	205 226	1060	48	2.14	59	460	20	245	0.26	200	< 10	694			
107646	205 226	1135	53	2.41	62	510	12	245	0.31	228	< 10	398			
107647	205 226	870	48	2.71	57	500	12	257	0.31	211	< 10	328			
107648	205 226	1880	1	2.73	26	1870	< 2	553	0.46	260	< 10	132			
107649	205 226	1680	< 1	2.51	26	1880	< 2	554	0.48	270	< 10	126			
107650	205 226	1535	< 1	2.59	25	1900	< 2	600	0.49	279	< 10	130			
107651	205 226	1630	< 1	2.62	28	1930	< 2	585	0.50	288	< 10	134			
107652	205 226	1265	< 1	2.45	24	1700	< 2	621	0.48	272	< 10	108			
107653	205 226	1365	< 1	2.37	23	1700	< 2	626	0.48	269	< 10	124			
107654	205 226	1470	< 1	2.62	24	1920	< 2	635	0.49	277	< 10	120			
107655	205 226	1625	< 1	2.92	26	1890	< 2	501	0.46	262	< 10	136			
107656	205 226	785	61	3.46	67	690	< 2	245	0.37	236	< 10	216			
107657	205 226	540	77	3.06	82	630	6	277	0.36	288	< 10	556			
107658	205 226	1415	< 1	2.23	24	1430	< 2	565	0.54	266	< 10	104			
107659	205 226	1630	< 1	1.86	25	1350	< 2	497	0.51	255	< 10	102			
107660	205 226	1300	58	2.58	68	620	14	231	0.34	226	< 10	332			
107661	205 226	985	30	2.53	31	610	6	212	0.33	145	< 10	178			
107662	205 226	1250	41	2.23	45	570	6	244	0.32	179	< 10	326			
107663	205 226	2360	32	0.90	35	600	8	141	0.35	168	< 10	214			
107664	205 226	1455	75	1.76	66	650	10	220	0.33	198	< 10	350			
107665	205 226	2040	31	1.30	31	490	8	258	0.28	132	< 10	126			
107666	205 226	1835	55	1.91	53	620	12	257	0.35	234	< 10	270			
107667	205 226	2850	71	1.76	72	600	8	254	0.33	375	< 10	1020			
107668	205 226	3140	< 1	2.25	38	1410	< 2	398	0.50	274	< 10	102			
107669	205 226	3260	35	1.79	46	710	4	265	0.37	283	< 10	128			
107670	205 226	3220	< 1	2.05	55	1270	< 2	436	0.49	284	< 10	124			
107671	205 226	3500	43	1.78	56	670	4	253	0.37	305	< 10	64			
107672	205 226	1830	28	2.04	50	590	4	269	0.35	302	< 10	80			
107673	205 226	3860	41	1.69	53	540	6	241	0.28	284	< 10	138			
107674	205 226	2510	40	1.86	56	700	12	283	0.34	358	< 10	548			
107675	205 226	1230	41	1.76	47	890	6	316	0.38	311	< 10	210			
107676	205 226	2220	40	2.13	44	840	12	358	0.36	313	< 10	520			
107677	205 226	565	36	2.33	25	670	4	301	0.31	151	< 10	148			
107678	205 226	640	22	3.00	15	770	< 2	314	0.36	111	< 10	70			
107679	205 226	2900	< 1	2.05	37	1270	< 2	499	0.51	269	< 10	124			
107680	205 226	630	7	3.29	17	660	< 2	275	0.33	98	< 10	66			
107681	205 226	3170	< 1	1.84	38	1170	< 2	496	0.48	262	< 10	114			

CERTIFICATION:

*Jhai D Ma*



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Page Number :2-A  
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 Certificate Date: 04-MAR-96  
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107682	205 226	< 5	0.2	5.91	480	< 0.5	4	2.74	< 0.5	11	135	147	3.67	1.29	0.89
107683	205 226	< 5	0.2	6.30	580	< 0.5	< 2	2.09	< 0.5	9	121	65	3.57	1.29	0.97
107684	205 226	< 5	0.2	6.69	580	0.5	< 2	2.82	< 0.5	10	113	44	3.71	1.65	1.06
107685	205 226	< 5	0.2	6.82	520	< 0.5	< 2	2.49	< 0.5	10	102	45	3.56	1.46	1.01
107686	205 226	< 5	< 0.2	6.69	520	< 0.5	< 2	2.30	< 0.5	9	122	50	3.17	1.43	0.88
107687	205 226	< 5	< 0.2	6.16	550	< 0.5	< 2	2.67	< 0.5	9	95	27	3.12	1.36	0.83
107688	205 226	< 5	< 0.2	6.36	560	< 0.5	2	3.10	< 0.5	12	105	32	3.98	1.44	1.05
107689	205 226	< 5	< 0.2	7.22	550	< 0.5	< 2	2.67	2.0	13	64	38	4.15	1.34	1.33
107690	205 226	< 5	< 0.2	6.48	560	< 0.5	< 2	2.08	< 0.5	10	74	39	3.56	1.65	0.91
107691	205 226	< 5	5.0	5.93	610	< 0.5	14	2.05	6.5	12	82	83	3.78	1.57	1.09
107692	205 226	< 5	0.6	6.46	310	1.5	16	9.69	15.5	20	76	300	5.32	0.92	1.43
107693	205 226	< 5	< 0.2	7.46	320	1.5	10	8.99	1.5	24	74	206	5.03	1.25	2.29
107694	205 226	10	0.4	6.70	210	< 0.5	8	1.60	< 0.5	15	75	181	5.26	1.55	1.61
107695	205 226	< 5	0.2	6.83	650	0.5	14	2.13	15.5	13	72	178	4.44	1.23	1.61
107696	205 226	< 5	< 0.2	6.85	580	0.5	8	1.97	< 0.5	12	56	137	3.94	1.54	1.80
107697	205 226	< 5	< 0.2	8.68	570	1.5	< 2	2.12	< 0.5	8	46	93	3.66	1.56	1.78
107698	205 226	< 5	< 0.2	8.62	460	1.5	< 2	2.63	< 0.5	10	43	30	3.60	1.43	2.02
107699	205 226	< 5	2.6	8.29	610	0.5	2	1.92	< 0.5	32	61	880	4.44	2.27	2.05
107700	205 226	< 5	< 0.2	8.99	750	1.5	< 2	2.80	< 0.5	7	50	36	3.36	1.64	1.87
107701	205 226	< 5	< 0.2	9.20	830	1.5	2	3.61	2.0	9	44	127	3.56	1.22	1.32
107702	205 226	< 5	< 0.2	8.92	990	1.0	< 2	4.29	< 0.5	11	46	87	4.12	1.10	1.16
107703	205 226	< 5	< 0.2	8.59	550	1.5	< 2	3.47	5.0	10	49	149	3.91	1.23	1.21
107704	205 226	20	5.0	7.70	730	0.5	24	1.92	1.5	22	60	1155	4.14	2.58	1.54
107705	205 226	< 5	0.4	7.83	520	0.5	< 2	2.74	2.5	18	62	346	3.47	1.70	1.41
107706	205 226	< 5	0.4	8.85	560	2.5	< 2	2.45	5.0	23	80	116	2.15	1.78	1.23
107707	205 226	< 5	0.8	8.60	810	2.5	26	4.83	36.0	23	135	482	5.70	2.27	2.34
107708	205 226	< 5	1.4	6.77	2390	1.0	2	2.25	11.5	8	75	420	1.49	2.84	0.29
107709	205 226	< 5	2.8	6.70	1240	0.5	< 2	1.79	2.0	9	61	700	1.38	3.25	0.16
107710	205 226	< 5	1.0	7.12	890	1.0	< 2	1.11	0.5	2	67	59	1.12	3.27	0.24
107711	205 226	235	4.0	5.61	1320	0.5	22	1.41	1.0	17	81	395	2.56	3.42	0.45
107712	205 226	90	1.6	7.38	120	0.5	72	0.70	< 0.5	75	183	434	7.22	5.27	1.89
107713	205 226	< 5	1.0	6.35	1290	0.5	10	0.98	0.5	4	88	324	1.21	3.28	0.24
107714	205 226	< 5	0.6	6.58	1480	0.5	6	0.78	< 0.5	21	83	304	2.10	3.66	0.17
107715	205 226	< 5	< 0.2	6.79	1330	0.5	26	0.80	< 0.5	3	83	49	1.21	3.23	0.15
107716	205 226	< 5	0.4	6.78	1460	0.5	24	0.75	< 0.5	5	87	202	1.46	3.48	0.18
107717	205 226	< 5	< 0.2	7.40	1810	0.5	14	0.51	< 0.5	6	72	149	1.64	4.15	0.19
107718	205 226	< 5	0.2	6.36	1590	0.5	6	0.43	< 0.5	6	89	213	1.21	3.46	0.18
107719	205 226	< 5	0.6	5.34	1310	0.5	38	0.53	< 0.5	3	102	172	0.88	2.97	0.15
107720	205 226	< 5	0.8	5.07	1300	0.5	32	0.54	< 0.5	5	106	183	1.07	3.05	0.16
107721	205 226	25	5.6	4.63	560	0.5	136	0.61	4.5	25	107	1050	2.11	2.98	0.25

CERTIFICATION:

*Jhai D Ma*



# 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: BLK96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :2-B  
 Total Pages :3  
 Certificate Date: 04-MAR-96  
 Invoice No. :19612719  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9612719

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107682	205 226	865	9	2.64	16	950	4	213	0.29	94	< 10	72			
107683	205 226	615	3	2.60	14	790	6	240	0.30	99	< 10	142			
107684	205 226	1500	4	2.36	13	800	< 2	274	0.35	97	< 10	84			
107685	205 226	840	2	2.55	10	660	< 2	309	0.32	95	< 10	84			
107686	205 226	525	1	2.68	9	600	< 2	294	0.32	85	< 10	38			
107687	205 226	1220	1	2.59	8	570	< 2	282	0.29	75	< 10	100			
107688	205 226	1965	< 1	2.07	12	690	< 2	311	0.35	103	< 10	78			
107689	205 226	1030	5	2.67	9	720	< 2	363	0.39	128	< 10	376			
107690	205 226	795	< 1	2.59	7	710	2	302	0.33	92	< 10	76			
107691	205 226	1335	2	2.28	15	690	320	267	0.30	122	20	610			
107692	205 226	>10000	< 1	1.23	9	1130	16	244	0.40	195	230	1515			
107693	205 226	4460	< 1	1.53	32	1050	2	575	0.43	241	50	272			
107694	205 226	1030	6	2.60	21	700	4	373	0.37	184	20	138			
107695	205 226	1355	4	2.64	14	680	4	418	0.35	140	70	1625			
107696	205 226	895	1	2.43	8	740	< 2	345	0.36	127	20	72			
107697	205 226	1180	< 1	3.79	5	980	< 2	621	0.45	75	30	80			
107698	205 226	1240	< 1	3.41	4	1390	< 2	536	0.48	105	< 10	138			
107699	205 226	1215	< 1	2.69	10	690	< 2	394	0.40	131	< 10	154			
107700	205 226	930	< 1	2.43	2	1030	< 2	480	0.42	74	< 10	60			
107701	205 226	2150	4	3.26	6	1100	< 2	601	0.47	85	20	298			
107702	205 226	3340	1	3.57	4	1220	4	606	0.53	104	< 10	164			
107703	205 226	2800	< 1	3.37	4	1210	4	474	0.52	103	< 10	596			
107704	205 226	1075	10	1.95	10	640	< 2	247	0.37	106	< 10	278			
107705	205 226	1175	< 1	2.55	10	560	< 2	303	0.40	113	< 10	394			
107706	205 226	1235	4	3.56	14	480	< 2	329	0.43	132	10	536			
107707	205 226	2400	< 1	1.82	41	1270	< 2	408	0.50	274	30	3470			
107708	205 226	435	2	1.93	4	260	4	167	0.11	18	20	1160			
107709	205 226	340	3	1.21	2	210	24	157	0.11	13	< 10	246			
107710	205 226	300	2	1.41	< 1	260	62	131	0.12	15	< 10	150			
107711	205 226	755	1	0.37	5	230	38	118	0.10	21	< 10	180			
107712	205 226	1830	< 1	0.47	34	1110	8	122	0.42	257	10	178			
107713	205 226	315	< 1	1.82	1	260	10	160	0.11	13	10	82			
107714	205 226	295	< 1	1.67	1	260	8	153	0.10	9	< 10	20			
107715	205 226	250	< 1	2.12	3	220	10	165	0.11	10	< 10	14			
107716	205 226	270	1	1.89	2	230	10	163	0.11	11	< 10	26			
107717	205 226	255	1	1.75	< 1	280	12	154	0.12	11	< 10	24			
107718	205 226	210	3	1.25	1	240	8	124	0.11	8	< 10	22			
107719	205 226	175	1	1.03	1	170	8	102	0.08	8	< 10	24			
107720	205 226	165	1	0.62	< 1	180	10	92	0.07	8	180	40			
107721	205 226	245	6	0.23	1	170	88	81	0.06	9	140	452			

CERTIFICATION:

*Jhai D Ma*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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To: EQUITY ENGINEERING LTD.

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

Project: BLK96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :3-A  
 Total Pages :3  
 Certificate Date: 04-MAR-96  
 Invoice No. :I9612719  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9612719

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107722	205 226	< 5	< 0.2	5.52	1320	0.5	2	0.66	< 0.5	3	104	79	0.73	3.14	0.13
107723	205 226	< 5	0.4	5.35	1170	0.5	36	0.64	0.5	4	115	142	1.22	2.83	0.11
107724	205 226	< 5	0.4	5.72	1310	0.5	38	0.61	< 0.5	5	90	78	1.16	3.09	0.14
107725	205 226	< 5	0.2	5.88	1140	0.5	20	0.74	< 0.5	5	111	198	1.19	2.92	0.13
107726	205 226	< 5	< 0.2	5.89	900	0.5	36	0.62	< 0.5	2	109	72	1.31	2.66	0.14
107727	205 226	< 5	0.2	5.77	990	0.5	< 2	0.66	< 0.5	3	102	68	1.11	2.88	0.12
107728	205 226	< 5	< 0.2	6.05	930	0.5	20	0.71	< 0.5	2	96	35	1.06	3.06	0.10
107729	205 226	< 5	< 0.2	5.84	830	0.5	16	0.68	< 0.5	2	110	45	1.02	2.77	0.10
107730	205 226	< 5	< 0.2	5.46	810	0.5	< 2	0.83	< 0.5	1	109	4	0.91	2.53	0.09
107731	205 226	< 5	< 0.2	5.98	1030	1.0	26	0.94	< 0.5	4	119	98	0.95	2.90	0.09
107732	205 226	< 5	< 0.2	6.39	1380	1.0	< 2	0.79	< 0.5	4	101	111	0.86	3.43	0.10
107733	205 226	< 5	< 0.2	5.84	1090	0.5	< 2	0.68	< 0.5	5	109	62	1.03	2.87	0.10
107734	205 226	< 5	< 0.2	7.58	990	1.0	< 2	0.86	< 0.5	3	77	16	0.98	3.41	0.13
107735	205 226	< 5	< 0.2	7.18	940	1.0	< 2	0.99	< 0.5	2	93	11	1.08	3.18	0.12
107736	205 226	< 5	< 0.2	7.99	1170	1.0	< 2	1.22	< 0.5	3	66	25	1.17	3.35	0.17
107737	205 226	< 5	< 0.2	8.19	1120	1.0	< 2	0.91	< 0.5	3	66	14	1.26	3.58	0.19
107738	205 226	< 5	< 0.2	7.76	1100	1.0	< 2	0.91	< 0.5	3	65	22	1.04	3.45	0.17
107739	205 226	5	2.6	7.56	1310	1.0	< 2	0.83	1.5	6	83	695	1.17	4.10	0.18
107740	205 226	20	4.6	7.27	1490	1.0	6	0.88	1.5	8	74	1135	1.18	4.43	0.19
107741	205 226	30	3.4	6.39	1990	0.5	74	0.52	0.5	5	86	855	0.64	4.90	0.12
107742	205 226	< 5	0.4	7.21	1060	1.0	< 2	0.97	< 0.5	4	78	121	1.02	3.37	0.18
107743	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed

CERTIFICATION: *Yhai D'Ma*



# 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

Page Number :3-B  
Total Pages :3  
Certificate Date: 04-MAR-96  
Invoice No. :I9612719  
P.O. Number :  
Account :EIA

Project : BLK96-01  
Comments: ATTN: D.A. CAULFIELD

## CERTIFICATE OF ANALYSIS A9612719

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107722	205 226	240	1	1.14	1	180	12	143	0.09	12	< 10	16			
107723	205 226	160	3	1.29	< 1	160	10	111	0.08	14	50	24			
107724	205 226	175	1	1.16	< 1	170	8	115	0.09	15	40	16			
107725	205 226	265	1	1.83	< 1	200	8	145	0.10	15	40	22			
107726	205 226	210	2	1.81	1	180	10	126	0.10	15	40	50			
107727	205 226	240	1	1.75	2	180	6	142	0.10	14	< 10	14			
107728	205 226	170	2	1.83	< 1	170	8	152	0.10	14	10	12			
107729	205 226	185	1	1.85	1	190	10	144	0.10	13	40	12			
107730	205 226	190	< 1	1.74	2	200	6	137	0.10	13	< 10	8			
107731	205 226	220	1	1.91	1	220	12	180	0.10	13	30	52			
107732	205 226	210	< 1	2.03	< 1	220	10	184	0.10	14	< 10	14			
107733	205 226	210	1	1.68	3	200	10	155	0.10	13	< 10	16			
107734	205 226	250	< 1	2.46	< 1	300	10	197	0.14	18	< 10	14			
107735	205 226	235	< 1	2.67	1	240	8	199	0.12	14	< 10	16			
107736	205 226	420	1	3.00	2	250	10	239	0.14	17	< 10	30			
107737	205 226	325	1	3.09	1	270	10	254	0.14	18	< 10	30			
107738	205 226	310	< 1	3.09	< 1	270	8	234	0.13	16	< 10	18			
107739	205 226	330	1	2.25	3	250	12	220	0.13	14	< 10	126			
107740	205 226	405	1	1.87	3	240	14	199	0.12	14	< 10	152			
107741	205 226	240	4	1.12	1	220	14	159	0.10	12	< 10	72			
107742	205 226	350	1	2.54	2	230	10	201	0.13	15	< 10	68			
107743	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			

CERTIFICATION:

*Phai D Ma*



# 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 : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 1-A  
Total Pages : 1  
Certificate Date: 08-MAR-96  
Invoice No. : I9613301  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS A9613301

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107743	205 226	< 5	0.4	7.94	1090	1.0	< 2	1.10	1.5	3	64	113	1.41	3.93	0.20
107744	205 226	< 5	< 0.2	8.55	1030	1.0	< 2	0.86	1.5	4	35	56	1.37	4.14	0.20
107745	205 226	< 5	< 0.2	7.38	960	1.0	< 2	1.07	< 0.5	3	57	15	1.18	3.53	0.20
107746	205 226	10	< 0.2	7.77	1050	0.5	< 2	1.04	1.5	2	48	67	1.38	3.66	0.19
107747	205 226	< 5	< 0.2	7.34	1010	0.5	< 2	0.95	0.5	1	52	44	1.31	3.32	0.18
107748	205 226	10	1.6	7.49	1100	0.5	< 2	0.90	0.5	3	76	673	1.42	3.50	0.22
107749	205 226	5	< 0.2	7.17	980	0.5	< 2	1.07	< 0.5	1	78	18	1.35	3.14	0.20
107750	205 226	10	0.6	7.53	1170	0.5	< 2	0.95	0.5	3	79	209	1.43	3.68	0.21
107751	205 226	40	1.6	8.30	1110	1.0	< 2	0.86	1.0	4	58	433	1.54	4.06	0.24
107752	205 226	30	2.0	7.75	1100	0.5	< 2	0.87	< 0.5	4	61	601	1.46	3.80	0.21
107753	205 226	90	4.2	7.36	1150	0.5	< 2	0.80	1.5	5	63	1045	1.39	4.16	0.21
107754	205 226	5	< 0.2	7.91	1130	0.5	< 2	0.66	< 0.5	2	58	108	1.12	4.42	0.19
107755	205 226	< 5	< 0.2	7.00	850	0.5	< 2	0.79	0.5	2	66	61	1.27	3.47	0.18
107756	205 226	10	< 0.2	6.96	810	0.5	< 2	0.63	< 0.5	3	49	4	1.18	3.41	0.21
107757	205 226	55	2.0	7.21	1050	0.5	4	0.75	0.5	4	45	260	1.14	3.84	0.17
107758	205 226	550	12.8	7.38	1270	0.5	< 2	0.88	1.5	7	47	636	1.13	4.52	0.18
107759	205 226	2000	33.8	7.80	1270	0.5	28	0.80	2.0	16	36	1495	1.58	4.43	0.23
107760	205 226	15	0.2	8.40	1030	1.0	< 2	1.01	0.5	3	38	42	1.78	3.83	0.40

CERTIFICATION: Hart Buchler



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 VANCOUVER, BC  
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Project : BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :1-B  
 Total Pages :1  
 Certificate Date: 08-MAR-96  
 Invoice No. :I9613301  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9613301

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107743	205 226	335	< 1	2.99	1	260	14	232	0.14	17	< 10	68			
107744	205 226	320	< 1	2.50	< 1	290	12	207	0.15	19	< 10	72			
107745	205 226	250	1	2.73	< 1	240	10	207	0.13	13	< 10	26			
107746	205 226	300	1	3.07	< 1	250	8	218	0.14	16	< 10	122			
107747	205 226	250	< 1	2.98	< 1	230	6	206	0.13	15	< 10	42			
107748	205 226	255	1	3.18	1	240	6	217	0.13	15	< 10	56			
107749	205 226	275	< 1	3.25	< 1	230	10	202	0.13	13	< 10	28			
107750	205 226	335	< 1	3.07	1	260	10	212	0.13	14	< 10	78			
107751	205 226	370	< 1	3.17	< 1	300	10	229	0.15	18	< 10	112			
107752	205 226	285	< 1	3.12	2	260	10	224	0.14	16	< 10	74			
107753	205 226	320	< 1	2.74	< 1	240	14	215	0.13	14	< 10	144			
107754	205 226	275	3	2.46	1	250	8	195	0.15	18	< 10	36			
107755	205 226	180	< 1	2.54	1	270	6	169	0.14	20	< 10	18			
107756	205 226	155	< 1	2.20	< 1	250	6	161	0.14	19	< 10	16			
107757	205 226	315	2	2.27	< 1	240	12	181	0.13	16	< 10	90			
107758	205 226	340	< 1	2.12	< 1	260	14	203	0.13	15	< 10	86			
107759	205 226	385	3	2.22	1	240	24	203	0.14	16	< 10	158			
107760	205 226	400	< 1	3.08	1	270	8	226	0.16	18	< 10	66			

CERTIFICATION:

*David P. Schler*



# 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.  
 VANCOUVER, BC  
 V6B 1N2

Project: BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

lumb A  
 Total P... : 1  
 Certifi... Date: 11-MAR-96  
 Invoice... : 19613303  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS A9613303

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107761	205 226	< 5	0.6	7.53	450	0.5	< 2	4.97	0.5	27	130	85	5.89	1.07	3.35
107762	205 226	< 5	< 0.2	6.84	400	< 0.5	< 2	1.46	< 0.5	18	267	31	5.87	1.83	2.56
107763	205 226	< 5	0.4	7.77	500	< 0.5	< 2	1.17	8.0	23	170	84	6.33	2.40	2.29
107764	205 226	< 5	< 0.2	7.40	390	< 0.5	< 2	2.74	2.0	19	98	65	6.30	1.74	2.52
107765	205 226	< 5	3.0	7.60	580	0.5	6	2.13	1.5	20	129	70	5.10	2.69	2.02
107766	205 226	< 5	< 0.2	8.02	560	0.5	< 2	2.69	0.5	13	99	39	4.83	1.98	2.13
107767	205 226	< 5	1.2	6.73	380	0.5	< 2	2.96	4.5	14	134	64	4.33	1.46	1.58
107768	205 226	< 5	0.2	8.24	560	0.5	< 2	3.00	7.0	16	161	101	4.66	1.56	1.90
107769	205 226	10	2.0	8.77	390	0.5	< 2	3.39	46.5	16	14	197	5.35	1.70	1.47
107770	205 226	< 5	0.8	10.20	560	0.5	< 2	3.88	4.5	16	38	152	4.91	1.54	1.71
107771	205 226	25	4.0	6.36	430	< 0.5	4	2.59	6.0	17	253	141	4.56	1.89	1.56
107772	205 226	< 5	1.2	8.03	680	1.0	< 2	3.39	0.5	12	107	172	4.60	1.41	0.83
107773	205 226	< 5	1.6	7.80	400	0.5	< 2	3.02	2.0	11	131	97	3.98	1.33	1.45
107774	205 226	25	30.0	5.07	530	< 0.5	56	2.05	130.0	17	90	373	7.13	1.60	0.44
107775	205 226	15	10.4	5.69	370	0.5	18	2.52	47.5	10	247	185	4.81	1.62	0.94
107776	205 226	60	81.0	4.04	160	< 0.5	168	1.26	286	18	110	425	8.56	1.46	0.98
107777	205 226	< 5	0.4	7.41	220	< 0.5	< 2	2.67	< 0.5	22	206	27	5.09	1.14	2.43
107778	205 226	< 5	0.2	7.30	130	0.5	< 2	3.42	< 0.5	25	108	30	5.87	0.75	1.98
107779	205 226	30	0.2	8.29	340	< 0.5	< 2	3.99	< 0.5	21	98	64	6.37	1.58	2.67
107780	205 226	< 5	5.6	6.99	370	< 0.5	8	4.70	32.5	26	95	169	6.79	1.49	2.71
107781	205 226	< 5	0.4	7.80	630	0.5	4	2.68	< 0.5	16	152	51	5.16	1.94	2.29
107782	205 226	10	1.0	7.17	430	0.5	< 2	1.05	3.0	14	123	46	4.69	2.19	2.22
107783	205 226	< 5	< 0.2	7.99	420	0.5	< 2	2.84	0.5	15	127	41	4.51	1.58	2.19
107784	205 226	< 5	< 0.2	4.17	260	< 0.5	< 2	3.27	< 0.5	10	198	31	2.11	1.31	0.94
107785	205 226	< 5	0.4	6.79	840	0.5	< 2	1.80	2.5	15	126	37	3.78	2.22	1.73
107786	205 226	< 5	< 0.2	6.31	700	1.0	4	2.00	6.0	9	114	29	2.80	1.50	1.28
107787	205 226	25	< 0.2	8.47	1210	1.5	< 2	2.53	0.5	6	32	61	2.57	2.13	0.80
107788	205 226	< 5	< 0.2	8.96	1980	1.5	< 2	2.56	< 0.5	5	39	38	2.22	2.18	0.77

CERTIFICATION:

*David Buchler*





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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 PHONE: 604-984-0221 FAX: 604-984-0218

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

Project: BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number: 3  
 Total Pages: 1  
 Certificate Date: 11-MAR-96  
 Invoice: 19613303  
 P.O. Number:  
 Account: EIA

## CERTIFICATE OF ANALYSIS A9613303

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107761	205 226	2650	< 1	1.11	58	870	28	262	0.45	254	20	242			
107762	205 226	2220	< 1	0.18	145	680	< 2	39	0.37	143	10	190			
107763	205 226	2030	2	0.18	124	890	4	35	0.42	168	10	948			
107764	205 226	2550	< 1	0.54	67	820	64	107	0.38	160	10	364			
107765	205 226	2230	1	0.17	98	610	300	44	0.39	161	10	240			
107766	205 226	2010	< 1	0.99	56	660	68	143	0.38	146	10	186			
107767	205 226	1590	1	1.34	62	940	160	140	0.36	131	10	474			
107768	205 226	1490	1	1.53	94	1030	70	218	0.40	145	10	652			
107769	205 226	1120	< 1	1.85	6	1620	160	322	0.36	133	10	3660			
107770	205 226	1285	1	2.32	27	1910	60	345	0.42	152	10	410			
107771	205 226	1475	1	0.49	134	490	226	86	0.32	118	10	550			
107772	205 226	1085	< 1	1.28	43	810	60	239	0.39	150	10	102			
107773	205 226	1170	< 1	1.45	84	590	132	231	0.30	121	10	256			
107774	205 226	985	15	0.28	27	450	840	77	0.19	72	20	9570			
107775	205 226	1175	2	0.34	153	480	352	85	0.29	114	10	3710			
107776	205 226	1435	5	0.08	46	450	2600	32	0.17	87	20	>10000			
107777	205 226	1820	3	0.72	130	760	12	127	0.38	149	10	182			
107778	205 226	2370	17	0.14	75	1060	8	80	0.39	168	10	150			
107779	205 226	2400	< 1	1.13	62	890	8	210	0.42	176	10	136			
107780	205 226	2370	< 1	0.99	48	820	284	199	0.39	181	40	2800			
107781	205 226	2030	3	0.74	107	950	28	151	0.41	164	10	214			
107782	205 226	1815	38	0.16	83	560	80	51	0.37	150	< 10	442			
107783	205 226	1505	3	1.29	63	810	20	218	0.37	138	< 10	140			
107784	205 226	930	1	0.43	79	390	8	91	0.19	79	< 10	44			
107785	205 226	1545	8	0.18	57	870	62	61	0.35	149	< 10	354			
107786	205 226	1355	6	0.69	58	490	500	139	0.25	104	< 10	634			
107787	205 226	1050	1	2.71	3	800	8	356	0.13	22	< 10	136			
107788	205 226	790	1	3.00	1	880	24	410	0.14	23	< 10	50			

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 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page: 1 of 1  
 Total: 1  
 Certificate Date: 11-MAR-96  
 Invoice No.: 19613299  
 P.O. Number:  
 Account: EIA

## CERTIFICATE OF ANALYSIS A9613299

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107789	205 226	< 5	< 0.2	6.45	410	< 0.5	< 2	3.39	1.0	16	220	42	3.36	1.77	1.43
107790	205 226	< 5	< 0.2	8.22	450	0.5	< 2	3.14	< 0.5	14	137	34	3.76	1.60	1.61
107791	205 226	< 5	< 0.2	7.97	370	0.5	< 2	4.39	0.5	11	80	66	4.22	1.70	1.31
107792	205 226	10	2.8	7.37	810	0.5	< 2	2.87	12.0	21	42	196	4.80	1.97	1.01
107793	205 226	< 5	1.0	7.56	490	0.5	< 2	3.10	8.5	16	52	146	4.64	1.44	1.33
107794	205 226	< 5	0.4	6.73	440	0.5	< 2	2.39	1.0	17	274	63	3.88	1.30	1.61
107795	205 226	< 5	0.8	8.06	640	0.5	< 2	2.93	1.5	26	176	139	5.00	1.29	1.36
107796	205 226	< 5	1.0	6.55	440	0.5	< 2	2.46	2.0	14	295	72	3.81	1.23	1.66
107797	205 226	< 5	< 0.2	7.45	620	0.5	< 2	1.40	< 0.5	18	198	36	4.13	2.10	1.31
107798	205 226	5	< 0.2	7.35	680	0.5	< 2	0.54	< 0.5	20	196	44	3.61	2.79	0.51
107799	205 226	< 5	< 0.2	5.66	520	0.5	< 2	0.89	< 0.5	13	155	64	3.52	1.81	0.48
107800	205 226	150	31.6	3.36	250	< 0.5	62	1.41	6.5	25	100	276	8.85	1.11	0.43
107801	205 226	5	22.8	6.78	730	0.5	44	1.83	31.0	8	57	139	3.74	2.53	0.40
107802	205 226	< 5	< 0.2	7.34	630	0.5	< 2	0.86	< 0.5	10	84	34	4.05	2.54	0.49
107803	205 226	5	11.0	7.89	390	0.5	20	5.59	26.0	17	123	325	6.88	2.30	0.94
107804	205 226	< 5	1.0	7.75	300	0.5	< 2	5.18	3.0	15	76	115	4.51	2.46	1.64
107805	205 226	< 5	2.6	8.41	340	0.5	4	3.98	13.0	14	61	152	4.76	2.29	1.49
107806	205 226	< 5	5.2	8.73	410	0.5	10	4.38	11.0	15	28	121	5.14	2.92	1.81
107807	205 226	< 5	0.2	7.70	400	0.5	< 2	3.37	2.0	18	182	48	4.32	2.12	1.90
107808	205 226	< 5	< 0.2	5.84	290	< 0.5	< 2	2.56	< 0.5	17	293	33	3.51	1.65	1.47

CERTIFICATION:

*Handwritten 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 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 1-B  
 Total : 1  
 Certificate Date: 11-MAR-96  
 Invoice No. : 19613299  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS A9613299

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107789	205 226	1535	< 1	0.94	125	500	40	102	0.30	111	< 10	118			
107790	205 226	1550	3	1.59	88	540	36	227	0.30	109	10	118			
107791	205 226	1470	< 1	1.46	26	750	12	204	0.36	139	10	180			
107792	205 226	1125	< 1	1.09	12	490	118	164	0.27	104	10	1010			
107793	205 226	1320	< 1	0.88	23	820	42	180	0.33	121	10	786			
107794	205 226	1525	1	0.61	162	550	24	123	0.36	138	10	182			
107795	205 226	1285	< 1	1.48	94	1220	36	219	0.36	118	10	188			
107796	205 226	1575	2	0.54	143	560	60	111	0.33	124	10	270			
107797	205 226	1590	3	0.33	137	690	< 2	73	0.39	154	< 10	76			
107798	205 226	840	1	0.13	149	890	< 2	40	0.39	147	< 10	106			
107799	205 226	760	2	0.23	78	370	2	65	0.27	108	< 10	42			
107800	205 226	970	1	0.06	55	270	1240	34	0.14	65	10	644			
107801	205 226	740	< 1	0.29	23	410	600	73	0.22	71	10	2540			
107802	205 226	920	< 1	0.27	37	760	4	67	0.33	105	< 10	54			
107803	205 226	1820	< 1	0.57	44	1180	256	148	0.37	168	30	2180			
107804	205 226	1900	< 1	0.29	40	1040	44	96	0.27	103	10	292			
107805	205 226	1355	< 1	0.71	26	1150	188	156	0.27	99	10	1060			
107806	205 226	2190	1	0.44	9	1460	396	110	0.31	123	10	1090			
107807	205 226	1895	3	0.34	130	780	20	86	0.41	175	10	278			
107808	205 226	1320	< 1	0.22	143	500	10	64	0.29	113	10	96			

CERTIFICATION: John J. Daulton



# 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 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :1-A  
 Total Pages :2  
 Certificate Date: 08-MAR-96  
 Invoice No. :19613297  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9613297

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107809	205 226	< 5	< 0.2	6.12	1240	0.5	< 2	0.84	< 0.5	18	243	74	3.52	1.65	1.89
107810	205 226	< 5	0.2	6.39	1420	0.5	< 2	0.79	< 0.5	19	248	78	3.79	1.83	2.21
107811	205 226	< 5	0.4	6.46	1410	0.5	< 2	0.88	1.5	18	237	71	3.78	1.80	2.23
107812	205 226	< 5	0.4	6.30	1560	0.5	< 2	1.20	2.5	18	240	68	3.77	1.88	2.37
107813	205 226	< 5	< 0.2	6.31	1730	0.5	< 2	1.12	0.5	19	247	59	3.66	1.80	2.18
107814	205 226	< 5	< 0.2	6.01	1670	0.5	< 2	1.65	0.5	17	216	59	3.62	1.70	2.47
107815	205 226	< 5	< 0.2	8.29	2330	< 0.5	< 2	5.92	0.5	33	306	61	5.86	1.84	4.59
107816	205 226	< 5	< 0.2	8.26	1030	< 0.5	< 2	6.11	0.5	33	400	40	6.03	1.58	5.03
107817	205 226	< 5	< 0.2	5.45	1420	0.5	< 2	0.92	< 0.5	14	240	60	3.07	1.35	1.89
107818	205 226	30	< 0.2	5.43	1530	0.5	< 2	0.61	0.5	13	229	63	3.17	1.60	1.78
107819	205 226	< 1	< 0.2	5.92	1330	0.5	< 2	0.87	1.0	16	230	70	3.48	1.76	1.98
107820	205 226	10	< 0.2	5.96	1240	0.5	< 2	0.77	0.5	16	226	62	3.52	1.59	1.99
107821	205 226	< 5	< 0.2	6.57	1310	0.5	< 2	0.93	0.5	18	208	70	3.98	1.77	2.35
107822	205 226	< 5	0.2	6.77	1440	0.5	< 2	0.70	< 0.5	18	213	74	4.04	1.88	2.25
107823	205 226	< 5	0.2	6.59	1440	0.5	< 2	0.91	1.5	17	211	68	3.97	1.71	2.32
107824	205 226	< 5	< 0.2	6.77	1350	0.5	< 2	1.01	0.5	17	164	75	3.88	1.95	1.99
107825	205 226	10	< 0.2	6.52	1430	0.5	< 2	1.12	0.5	15	214	59	3.73	1.69	2.24
107826	205 226	< 5	< 0.2	8.52	1370	< 0.5	< 2	5.18	< 0.5	29	260	60	5.76	2.32	4.61
107827	205 226	75	< 0.2	6.70	1450	< 0.5	2	1.52	0.5	18	220	54	4.07	2.07	2.75
107828	205 226	< 5	0.6	6.42	1190	0.5	< 2	1.34	0.5	18	197	119	4.19	1.70	2.06
107829	205 226	< 5	< 0.2	6.44	1420	0.5	2	0.73	1.0	16	180	73	3.92	1.80	2.12
107830	205 226	10	< 0.2	6.34	1350	0.5	< 2	0.98	< 0.5	16	181	72	3.76	1.65	2.20
107831	205 226	< 5	< 0.2	7.21	1620	0.5	< 2	1.75	0.5	23	182	86	4.46	1.95	2.76
107832	205 226	< 5	< 0.2	6.73	1130	0.5	< 2	1.22	< 0.5	18	215	71	3.97	1.72	2.22
107833	205 226	< 5	< 0.2	6.85	1040	0.5	< 2	0.77	0.5	20	213	67	4.07	1.93	2.37
107834	205 226	10	< 0.2	7.03	910	0.5	< 2	1.01	1.0	19	180	86	4.14	1.87	2.24
107835	205 226	< 5	< 0.2	6.92	850	0.5	< 2	0.73	0.5	18	186	71	4.11	1.79	2.18
107836	205 226	10	< 0.2	6.78	860	0.5	< 2	1.39	1.0	18	180	76	3.93	1.81	2.01
107837	205 226	< 5	< 0.2	6.91	960	0.5	< 2	0.94	0.5	19	187	52	4.09	2.03	2.27
107838	205 226	< 5	< 0.2	6.76	890	0.5	< 2	0.86	0.5	19	183	74	4.31	1.75	2.35
107839	205 226	35	< 0.2	6.99	1250	0.5	< 2	1.04	1.0	18	178	68	4.30	2.01	2.37
107840	205 226	< 5	< 0.2	6.45	1390	0.5	2	1.38	0.5	15	205	59	3.77	1.71	2.12
107841	205 226	< 5	< 0.2	4.46	600	< 0.5	< 2	1.16	< 0.5	11	223	56	2.61	0.74	1.48
107842	205 226	< 5	< 0.2	8.25	1520	< 0.5	< 2	4.84	0.5	35	232	79	5.90	1.64	3.59
107843	205 226	35	< 0.2	4.98	790	< 0.5	2	3.19	0.5	16	243	34	3.65	1.31	2.63
107844	205 226	15	< 0.2	6.61	1390	< 0.5	< 2	1.95	< 0.5	20	196	78	4.64	1.97	2.99
107845	205 226	< 5	< 0.2	6.27	1080	0.5	< 2	2.00	0.5	17	234	45	3.77	1.62	2.07
107846	205 226	< 5	< 0.2	6.27	1010	< 0.5	< 2	1.49	0.5	17	239	44	4.17	1.62	2.28
107847	205 226	65	< 0.2	4.93	710	0.5	8	4.24	< 0.5	13	262	97	3.85	0.87	1.33
107848	205 226	< 5	< 0.2	6.58	750	0.5	< 2	3.13	0.5	17	187	54	3.60	1.62	1.80

CERTIFICATION:

*Hart 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

Project : BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :1-B  
 Total Pages :2  
 Certificate Date: 08-MAR-96  
 Invoice No. :I9613297  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9613297

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107809	205 226	440	2	0.97	148	620	6	149	0.33	148	< 10	76			
107810	205 226	530	3	0.82	168	580	8	136	0.35	154	< 10	88			
107811	205 226	510	1	0.78	162	630	6	129	0.35	155	< 10	148			
107812	205 226	550	1	0.78	144	670	10	125	0.34	152	< 10	302			
107813	205 226	450	1	1.03	137	780	4	191	0.34	152	< 10	102			
107814	205 226	515	< 1	1.19	126	680	4	222	0.32	144	< 10	96			
107815	205 226	1580	< 1	1.40	118	1700	4	612	0.49	272	10	118			
107816	205 226	1640	< 1	1.37	120	1630	< 2	590	0.49	269	10	124			
107817	205 226	375	2	1.22	121	500	8	207	0.29	130	< 10	120			
107818	205 226	340	1	0.94	115	550	4	134	0.28	128	< 10	102			
107819	205 226	360	1	0.89	135	810	4	135	0.32	143	< 10	132			
107820	205 226	365	1	0.86	133	560	2	119	0.32	143	< 10	118			
107821	205 226	385	< 1	0.85	142	830	4	146	0.34	151	< 10	108			
107822	205 226	395	3	0.89	150	630	4	136	0.37	161	< 10	140			
107823	205 226	420	2	1.09	151	900	4	186	0.36	156	< 10	150			
107824	205 226	430	1	0.63	124	560	6	108	0.36	162	< 10	144			
107825	205 226	460	1	1.13	138	790	4	192	0.35	153	< 10	134			
107826	205 226	1420	< 1	1.21	86	1230	2	568	0.49	290	10	96			
107827	205 226	605	2	1.41	129	770	2	243	0.36	156	< 10	106			
107828	205 226	465	3	1.12	127	790	4	176	0.35	153	< 10	118			
107829	205 226	425	1	0.98	134	660	< 2	152	0.36	152	< 10	146			
107830	205 226	455	2	1.21	129	690	8	183	0.35	149	< 10	138			
107831	205 226	720	1	1.38	135	860	2	254	0.41	193	< 10	104			
107832	205 226	510	2	1.01	149	640	4	147	0.36	156	< 10	126			
107833	205 226	515	3	0.68	167	750	4	89	0.37	163	10	126			
107834	205 226	510	3	0.81	149	710	4	113	0.38	166	< 10	166			
107835	205 226	455	3	0.89	150	700	4	106	0.37	164	< 10	148			
107836	205 226	535	3	0.81	140	570	4	106	0.36	155	< 10	206			
107837	205 226	615	1	0.96	151	860	4	123	0.37	166	< 10	94			
107838	205 226	635	3	0.80	161	810	4	120	0.37	167	< 10	148			
107839	205 226	625	1	0.75	143	920	6	113	0.38	165	< 10	154			
107840	205 226	555	2	0.97	134	720	6	143	0.37	149	< 10	134			
107841	205 226	360	1	0.97	91	550	4	155	0.25	102	< 10	74			
107842	205 226	1520	< 1	1.54	102	1270	2	439	0.48	276	10	108			
107843	205 226	1080	< 1	0.71	94	610	4	195	0.27	141	10	92			
107844	205 226	750	1	0.87	112	810	< 2	199	0.36	186	< 10	82			
107845	205 226	540	2	0.84	137	650	4	152	0.33	152	< 10	122			
107846	205 226	555	3	0.86	150	580	4	151	0.33	151	< 10	142			
107847	205 226	755	1	0.45	90	500	4	171	0.24	111	< 10	74			
107848	205 226	550	1	0.40	109	730	8	126	0.35	165	< 10	106			

CERTIFICATION:

*David Caulfield*



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Project : BLK 96-01  
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Page Number :2-A  
Total Pages :2  
Certificate Date: 08-MAR-96  
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Account :EIA

## CERTIFICATE OF ANALYSIS A9613297

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107849	205 226	5	< 0.2	6.78	1120	0.5	< 2	1.27	< 0.5	14	163	70	4.30	1.77	2.07
107850	205 226	< 5	< 0.2	7.38	1180	0.5	< 2	1.42	< 0.5	14	111	59	4.02	1.94	1.38
107851	205 226	< 5	< 0.2	7.78	1290	0.5	< 2	3.15	0.5	13	94	55	4.47	1.90	1.49
107852	205 226	10	< 0.2	8.56	820	< 0.5	2	4.43	1.5	15	53	71	5.60	1.18	1.84
107853	205 226	< 5	< 0.2	8.67	910	< 0.5	< 2	4.78	< 0.5	14	56	60	4.78	1.23	1.71
107854	205 226	< 5	< 0.2	8.76	970	< 0.5	< 2	5.00	0.5	17	50	64	4.77	1.28	1.74

CERTIFICATION: \_\_\_\_\_



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## CERTIFICATE OF ANALYSIS

### A9613297

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107849	205 226	335	2	0.50	125	1140	4	114	0.34	169	< 10	152			
107850	205 226	510	3	0.44	82	780	4	97	0.37	171	< 10	126			
107851	205 226	595	1	0.93	54	800	8	230	0.38	146	< 10	82			
107852	205 226	1385	< 1	1.56	21	1010	6	337	0.45	192	< 10	118			
107853	205 226	1230	< 1	1.89	18	1060	4	359	0.42	161	< 10	94			
107854	205 226	1245	< 1	1.90	14	1140	4	352	0.42	157	< 10	90			

CERTIFICATION:

*Hart Becker*



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## CERTIFICATE OF ANALYSIS A9613300

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107855	205 226	15	< 0.2	7.90	630	< 0.5	< 2	4.66	< 0.5	15	42	93	4.84	1.00	1.53
107856	205 226	35	0.2	8.68	400	< 0.5	6	5.60	0.5	28	75	217	6.05	0.85	0.86
107857	205 226	65	0.4	8.12	570	< 0.5	6	5.22	36.5	18	58	104	4.08	0.79	0.92
107858	205 226	10	< 0.2	9.08	990	< 0.5	< 2	5.44	4.0	15	46	97	4.66	1.37	1.12
107859	205 226	10	0.2	8.93	1140	< 0.5	< 2	5.94	2.0	15	23	93	4.46	1.26	1.01
107860	205 226	< 5	< 0.2	6.59	730	0.5	< 2	2.92	3.0	5	145	39	2.19	1.38	0.44
107861	205 226	< 5	< 0.2	7.23	690	0.5	< 2	2.68	4.0	8	67	33	3.01	1.84	0.55
107862	205 226	< 5	< 0.2	7.34	810	0.5	< 2	2.59	10.5	8	63	27	2.42	2.13	0.48
107863	205 226	60	0.8	7.69	460	1.0	< 2	1.47	31.0	10	39	57	3.33	2.09	0.57
107864	205 226	40	3.6	5.44	250	0.5	< 2	1.45	24.0	18	76	132	4.89	2.03	0.61
107865	205 226	< 5	0.4	7.08	530	1.0	< 2	2.55	1.5	7	47	27	2.21	2.24	0.69
107866	205 226	< 5	0.4	6.08	190	0.5	< 2	4.45	1.5	9	46	39	4.37	2.19	1.21
107867	205 226	10	< 0.2	8.61	320	1.0	< 2	1.57	0.5	8	23	40	3.02	2.17	0.69
107868	205 226	60	4.8	6.32	390	0.5	8	3.15	52.0	14	79	135	4.44	1.83	0.56
107869	205 226	35	0.2	7.20	380	0.5	< 2	2.76	19.0	8	56	41	2.62	1.40	0.46
107870	205 226	10	0.4	7.55	710	0.5	< 2	2.76	11.5	8	66	33	2.74	2.27	0.53
107871	205 226	10	0.4	7.26	470	1.0	< 2	1.90	4.0	11	49	55	3.46	2.74	0.81
107872	205 226	< 5	0.2	6.27	310	0.5	< 2	2.66	5.0	9	52	35	3.05	2.51	1.01
107873	205 226	10	2.0	6.86	260	1.5	< 2	3.13	28.0	10	37	47	2.89	3.03	0.92
107874	205 226	< 5	1.6	7.20	300	1.5	< 2	2.02	5.0	9	30	48	2.94	3.22	0.92
107875	205 226	< 5	1.0	6.70	300	1.0	< 2	3.21	6.0	9	26	55	3.56	2.83	1.14
107876	205 226	< 5	1.0	5.30	300	1.0	< 2	5.81	18.0	9	28	43	3.00	2.20	1.66
107877	205 226	< 5	0.2	6.53	210	1.0	< 2	3.57	8.0	11	27	51	3.88	2.19	1.29
107878	205 226	< 5	< 0.2	6.79	300	1.0	< 2	2.81	1.0	11	40	53	4.12	2.29	0.95
107879	205 226	< 5	1.0	4.57	270	0.5	4	8.43	8.0	11	60	54	3.91	1.79	1.99
107880	205 226	< 5	< 0.2	7.07	580	2.0	2	7.68	0.5	27	854	54	4.57	1.88	1.69
107881	205 226	< 5	1.2	5.41	250	1.5	< 2	5.91	3.0	9	66	31	3.81	2.10	1.36
107882	205 226	< 5	< 0.2	6.95	580	0.5	< 2	3.31	17.0	9	54	69	3.35	2.15	0.68
107883	205 226	< 5	< 0.2	7.51	900	0.5	< 2	2.97	25.0	9	84	58	3.44	2.09	0.79
107884	205 226	< 5	0.4	7.48	790	0.5	< 2	3.34	13.5	10	77	75	3.40	2.56	0.71
107885	205 226	10	7.0	5.07	170	0.5	< 2	9.95	18.0	10	29	48	5.32	1.75	1.21
107886	205 226	< 5	0.6	7.10	660	0.5	< 2	4.06	15.0	7	103	92	3.47	1.46	0.75
107887	205 226	< 5	0.6	7.51	570	0.5	8	4.32	21.0	12	130	102	4.38	1.65	0.94
107888	205 226	< 5	< 0.2	7.60	580	0.5	< 2	4.14	7.5	11	115	112	3.89	1.34	1.01
107889	205 226	< 5	1.2	7.12	660	0.5	10	3.61	13.0	11	125	123	4.07	1.72	1.00
107890	205 226	< 5	2.0	7.81	460	0.5	48	6.79	1.5	44	880	219	7.11	1.07	3.20
107891	205 226	< 5	< 0.2	6.80	560	< 0.5	< 2	3.04	11.5	8	131	58	3.10	1.83	0.76
107892	205 226	< 5	< 0.2	6.80	500	0.5	< 2	3.29	22.0	12	130	70	3.06	1.69	0.79
107893	205 226	< 5	< 0.2	7.85	570	1.5	14	7.64	17.5	22	685	93	5.07	1.10	2.75
107894	205 226	< 5	< 0.2	7.08	550	0.5	< 2	3.16	14.0	9	119	46	2.80	1.73	1.03

CERTIFICATION: *Hart Becker*





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107855	205 226	1665	1	1.87	18	910	6	302	0.39	156	< 10	90			
107856	205 226	2730	11	2.32	13	1590	12	323	0.42	181	< 10	84			
107857	205 226	2860	11	2.40	15	1520	14	340	0.37	134	< 10	3260			
107858	205 226	2890	2	2.55	7	1890	18	357	0.42	138	< 10	326			
107859	205 226	2870	1	2.69	3	1820	18	413	0.38	129	< 10	218			
107860	205 226	845	3	2.09	4	510	18	201	0.17	42	< 10	226			
107861	205 226	725	4	1.66	8	720	36	166	0.29	89	< 10	276			
107862	205 226	695	3	1.21	9	450	30	158	0.21	59	< 10	824			
107863	205 226	965	3	0.39	12	620	34	86	0.31	96	< 10	2330			
107864	205 226	1130	1	0.13	13	410	124	54	0.20	64	< 10	1595			
107865	205 226	800	1	0.55	6	510	34	102	0.23	63	< 10	102			
107866	205 226	1630	3	0.14	10	490	24	105	0.29	83	< 10	108			
107867	205 226	1045	3	0.19	5	1100	16	63	0.26	62	< 10	96			
107868	205 226	1690	< 1	0.96	10	640	128	138	0.22	80	< 10	3750			
107869	205 226	965	2	2.21	5	580	30	166	0.21	52	< 10	1285			
107870	205 226	820	1	1.47	8	670	64	160	0.26	75	< 10	734			
107871	205 226	880	< 1	0.19	14	620	34	56	0.30	88	< 10	252			
107872	205 226	935	3	0.15	13	580	18	64	0.24	76	< 10	330			
107873	205 226	810	1	0.15	14	660	500	69	0.28	101	< 10	1910			
107874	205 226	760	< 1	0.15	11	640	86	52	0.30	98	< 10	512			
107875	205 226	840	< 1	0.10	10	540	110	68	0.28	92	< 10	438			
107876	205 226	1360	2	0.12	9	490	240	103	0.23	77	< 10	2480			
107877	205 226	1120	< 1	0.15	12	630	190	77	0.31	105	< 10	1235			
107878	205 226	930	< 1	0.15	14	680	12	73	0.35	102	< 10	104			
107879	205 226	1885	1	0.08	20	490	172	145	0.21	72	< 10	1065			
107880	205 226	3440	1	0.38	291	1430	20	194	0.42	228	< 10	196			
107881	205 226	2560	< 1	0.11	44	500	64	125	0.23	87	< 10	292			
107882	205 226	705	< 1	0.74	12	720	16	151	0.32	93	< 10	1000			
107883	205 226	520	4	1.40	11	620	32	228	0.33	101	< 10	1435			
107884	205 226	780	4	1.20	14	680	30	199	0.35	104	< 10	914			
107885	205 226	1970	< 1	0.17	9	610	304	181	0.26	96	< 10	1525			
107886	205 226	2140	6	1.72	12	530	16	265	0.27	85	< 10	1240			
107887	205 226	1780	9	1.63	19	790	24	287	0.36	157	< 10	1640			
107888	205 226	1465	12	1.94	18	800	8	304	0.36	153	< 10	538			
107889	205 226	1820	15	1.59	23	650	24	261	0.34	152	< 10	928			
107890	205 226	2560	1	1.31	297	1550	14	304	0.45	247	< 10	174			
107891	205 226	885	10	1.72	22	620	20	258	0.29	109	< 10	874			
107892	205 226	1005	11	1.49	35	550	12	251	0.29	116	< 10	1715			
107893	205 226	3970	1	1.54	225	1400	10	459	0.44	233	< 10	1460			
107894	205 226	865	4	1.47	23	700	22	338	0.32	111	< 10	1020			

CERTIFICATION:

*Handwritten signature*



# Chemex Labs Ltd.

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107895	205 226	< 5	0.6	6.16	420	0.5	24	2.71	2.0	6	129	63	2.75	1.44	0.81
107896	205 226	< 5	0.2	7.38	490	0.5	8	4.00	1.0	11	138	102	3.73	1.62	1.02
107897	205 226	< 5	0.2	6.63	400	1.0	36	3.34	0.5	11	148	238	5.38	1.46	0.64
107898	205 226	< 5	< 0.2	6.50	390	1.5	26	3.72	3.5	9	172	143	3.42	1.07	0.92
107899	205 226	< 5	< 0.2	7.26	580	0.5	< 2	3.30	0.5	8	187	79	3.77	1.28	0.90
107900	205 226	< 5	< 0.2	6.58	360	0.5	8	3.13	0.5	9	144	88	2.88	1.54	0.62
107901	205 226	15	16.6	6.00	310	2.0	164	5.70	4.5	8	93	140	3.29	2.16	1.02
107902	205 226	< 5	0.2	8.74	520	2.0	34	5.75	1.5	18	75	237	5.71	1.24	2.37
107903	205 226	< 5	0.4	8.42	250	3.0	108	6.43	0.5	20	77	321	6.59	0.92	2.16
107904	205 226	< 5	0.2	8.39	240	2.5	20	5.78	1.5	19	73	233	6.01	0.73	2.67
107905	205 226	< 5	0.8	7.78	250	5.0	22	5.74	4.5	15	93	316	5.98	0.64	2.17
107906	205 226	< 5	0.2	6.77	500	0.5	28	2.24	3.5	12	191	145	4.23	1.45	0.82
107907	205 226	< 5	< 0.2	8.94	380	2.5	26	5.56	0.5	22	71	252	5.81	1.10	2.38
107908	205 226	< 5	0.6	9.33	490	4.0	52	5.17	0.5	22	78	371	6.48	1.62	2.50
107909	205 226	25	< 0.2	6.79	400	1.5	32	3.68	2.5	10	155	273	4.73	0.97	0.90
107910	205 226	< 5	1.0	6.78	290	1.0	40	3.91	1.5	12	122	239	4.79	0.74	1.03
107911	205 226	< 5	0.8	6.56	350	1.5	44	4.22	2.0	7	152	206	4.17	0.98	1.06
107912	205 226	< 5	< 0.2	6.52	230	2.0	48	4.92	1.5	10	213	191	4.12	0.51	1.13
107913	205 226	< 5	< 0.2	6.91	310	0.5	10	3.02	3.5	9	173	100	3.64	0.97	0.84
107914	205 226	< 5	0.2	9.45	450	1.5	6	5.66	2.5	23	109	200	5.65	1.44	2.66
107915	205 226	< 5	< 0.2	6.52	330	0.5	22	4.09	0.5	11	169	150	3.67	0.96	1.00
107916	205 226	< 5	< 0.2	7.43	190	2.0	80	6.99	0.5	23	175	311	5.91	0.76	2.72
107917	205 226	< 5	< 0.2	6.48	200	1.0	28	5.09	1.0	12	151	239	4.32	0.56	1.49
107918	205 226	< 5	2.0	7.07	260	2.0	38	4.64	28.5	10	185	502	6.43	0.88	1.22
107919	205 226	< 5	1.2	6.33	240	1.0	38	3.85	11.5	17	155	415	6.39	0.76	1.07
107920	205 226	< 5	20.0	6.15	240	1.5	48	4.43	31.0	9	106	276	4.35	1.52	1.08
107921	205 226	< 5	< 0.2	6.74	310	1.5	12	3.60	< 0.5	10	153	202	4.64	0.95	1.03
107922	205 226	< 5	0.4	6.86	260	1.0	18	5.44	2.5	11	96	199	5.96	0.54	1.13
107923	205 226	< 5	< 0.2	6.36	200	0.5	26	4.43	11.5	8	83	148	2.72	0.74	0.79
107924	205 226	< 5	0.4	6.42	290	0.5	8	3.75	2.0	9	128	113	3.29	0.98	0.93
107925	205 226	< 5	0.2	6.86	120	1.0	< 2	1.89	< 0.5	10	117	133	2.71	0.71	0.64
107926	205 226	< 5	2.8	3.76	180	0.5	6	9.90	5.5	6	56	78	3.26	1.12	1.98
107927	205 226	< 5	3.2	6.47	420	0.5	38	2.23	1.0	8	112	173	2.99	1.74	0.84
107928	205 226	< 5	2.4	6.57	420	1.0	40	3.23	3.5	9	108	180	2.85	2.30	0.89
107929	205 226	< 5	0.4	8.50	400	0.5	16	3.59	0.5	19	73	99	4.98	2.29	2.06
107930	205 226	< 5	5.2	6.64	390	1.5	6	7.53	37.5	18	92	74	4.14	2.59	1.86
107931	205 226	< 5	< 0.2	7.35	350	1.0	42	3.85	0.5	14	70	146	4.47	1.54	1.82
107932	205 226	10	0.4	8.48	350	1.5	44	4.90	3.0	27	95	377	6.18	1.50	2.88
107933	205 226	< 5	< 0.2	8.93	620	0.5	< 2	4.68	< 0.5	24	68	102	5.86	1.55	3.11

CERTIFICATION:

*Hart 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

Project: BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 2-B  
 Total Pages : 2  
 Certificate Date: 08-MAR-96  
 Invoice No. : I9613300  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS A9613300

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107895	205 226	1070	8	1.66	18	550	30	221	0.28	96	< 10	166			
107896	205 226	1360	25	1.63	39	700	8	301	0.35	224	< 10	122			
107897	205 226	2840	24	1.55	34	620	6	234	0.29	177	110	106			
107898	205 226	1495	35	1.70	43	480	6	278	0.28	215	20	304			
107899	205 226	620	29	1.48	47	710	4	255	0.36	248	10	68			
107900	205 226	655	46	1.06	37	470	16	158	0.26	184	< 10	54			
107901	205 226	1885	79	0.37	44	480	720	143	0.28	196	110	362			
107902	205 226	2890	4	1.83	25	1540	12	398	0.45	260	50	136			
107903	205 226	3700	5	2.02	29	1490	26	483	0.44	246	410	128			
107904	205 226	3700	< 1	2.37	24	1610	14	491	0.44	262	140	156			
107905	205 226	3650	28	2.32	29	1360	26	424	0.39	261	160	528			
107906	205 226	1100	66	2.46	67	610	18	292	0.36	243	30	300			
107907	205 226	2920	3	2.09	20	1190	8	501	0.48	221	120	134			
107908	205 226	2910	2	2.13	21	1250	20	446	0.50	233	360	124			
107909	205 226	1660	40	2.17	42	590	16	318	0.38	194	60	272			
107910	205 226	1825	43	2.08	45	530	40	311	0.38	214	80	172			
107911	205 226	2200	65	1.75	54	570	42	305	0.33	196	60	270			
107912	205 226	2310	111	1.77	91	600	6	328	0.32	263	110	158			
107913	205 226	1945	43	2.36	40	530	14	350	0.36	180	10	322			
107914	205 226	3080	< 1	2.10	31	1440	24	648	0.56	298	30	272			
107915	205 226	1340	58	1.16	57	580	6	287	0.34	291	90	106			
107916	205 226	3850	4	1.60	40	940	4	408	0.38	220	210	198			
107917	205 226	2360	59	1.35	61	670	4	334	0.37	353	50	170			
107918	205 226	2840	37	1.25	48	940	30	332	0.42	325	120	2480			
107919	205 226	2260	46	1.19	57	620	22	236	0.35	288	330	934			
107920	205 226	2180	18	0.81	27	700	680	175	0.32	165	150	2510			
107921	205 226	2900	1	1.90	13	720	8	256	0.33	101	100	132			
107922	205 226	2640	5	1.18	11	720	6	251	0.38	118	110	282			
107923	205 226	1280	41	0.14	51	540	10	96	0.30	295	40	1085			
107924	205 226	1340	37	0.85	47	700	6	222	0.32	311	40	164			
107925	205 226	880	16	0.14	43	870	10	58	0.36	249	30	92			
107926	205 226	2670	11	0.04	25	370	210	201	0.17	200	10	600			
107927	205 226	705	14	0.39	27	600	70	101	0.28	145	30	98			
107928	205 226	880	34	0.55	15	610	100	128	0.27	107	10	292			
107929	205 226	1355	3	1.02	24	1090	22	235	0.48	230	330	100			
107930	205 226	4080	10	0.26	44	880	420	214	0.35	244	30	3100			
107931	205 226	1545	19	0.90	15	710	6	200	0.41	192	40	154			
107932	205 226	2480	8	2.13	36	1090	8	492	0.47	260	460	316			
107933	205 226	2860	1	2.69	34	1040	< 2	603	0.49	267	10	192			

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 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 1-A  
 Total Pages : 3  
 Certificate Date: 11-MAR-96  
 Invoice No. : 19613302  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107934	205 226	< 5	< 0.2	7.59	390	0.5	< 2	4.84	< 0.5	12	30	46	4.02	1.74	1.07
107935	205 226	< 5	< 0.2	7.56	440	0.5	< 2	6.47	< 0.5	11	15	50	3.71	2.01	0.98
107936	205 226	< 5	< 0.2	6.90	600	0.5	< 2	6.15	< 0.5	10	13	40	3.79	1.90	1.05
107937	205 226	< 5	< 0.2	7.87	830	0.5	< 2	4.16	< 0.5	12	19	49	4.28	1.55	0.96
107938	205 226	< 5	< 0.2	7.16	330	0.5	< 2	3.38	8.0	11	23	49	3.71	0.87	0.79
107939	205 226	< 5	< 0.2	9.44	830	1.0	< 2	2.41	< 0.5	9	1	24	3.66	1.99	0.89
107940	205 226	< 5	< 0.2	9.38	740	1.5	< 2	3.21	< 0.5	9	5	23	3.45	2.12	0.90
107941	205 226	< 5	< 0.2	9.09	820	1.0	< 2	3.50	< 0.5	8	1	17	3.33	2.21	0.87
107942	205 226	< 5	< 0.2	8.94	800	1.5	< 2	3.08	< 0.5	9	7	19	3.43	2.16	0.90
107943	205 226	< 5	1.0	8.47	590	1.0	< 2	5.88	< 0.5	9	2	42	3.46	1.47	0.94
107944	205 226	< 5	< 0.2	9.27	700	1.5	< 2	3.25	< 0.5	10	< 1	22	3.70	2.10	0.95
107945	205 226	< 5	< 0.2	9.01	490	1.0	< 2	3.40	0.5	8	< 1	18	3.42	1.63	0.80
107946	205 226	< 5	< 0.2	8.36	260	1.0	< 2	5.42	< 0.5	8	3	29	3.59	1.18	1.02
107947	205 226	< 5	< 0.2	8.34	250	0.5	< 2	3.46	< 0.5	12	9	23	4.27	0.94	1.12
107948	205 226	< 5	< 0.2	9.30	490	1.0	< 2	3.15	< 0.5	9	< 1	19	3.52	1.43	0.91
107949	205 226	< 5	< 0.2	9.58	780	1.5	< 2	2.69	< 0.5	9	5	31	3.60	2.34	0.95
107950	205 226	< 5	< 0.2	9.53	840	1.5	< 2	2.63	< 0.5	9	1	28	3.51	2.54	0.94
107951	205 226	< 5	< 0.2	9.12	900	1.5	< 2	2.79	< 0.5	8	< 1	21	3.57	2.81	0.99
107952	205 226	< 5	0.4	8.70	450	1.0	< 2	5.87	< 0.5	12	3	28	4.23	1.71	1.25
107953	205 226	< 5	0.2	9.31	600	1.5	< 2	4.23	0.5	10	16	21	3.78	2.01	0.98
107954	205 226	< 5	< 0.2	9.18	850	1.5	< 2	2.72	< 0.5	9	< 1	23	3.57	2.54	1.00
107955	205 226	< 5	< 0.2	9.10	1060	1.5	< 2	3.06	0.5	11	7	19	3.44	3.00	0.96
107956	205 226	< 5	< 0.2	9.03	1000	1.5	< 2	3.21	< 0.5	9	5	17	3.38	2.94	0.91
107957	205 226	< 5	< 0.2	9.53	410	1.0	< 2	3.17	0.5	9	< 1	23	3.60	1.67	0.96
107958	205 226	< 5	< 0.2	8.88	540	0.5	< 2	5.35	< 0.5	19	6	46	5.73	1.41	2.03
107959	205 226	< 5	< 0.2	9.05	620	0.5	< 2	4.71	< 0.5	18	14	44	5.43	1.39	2.09
107960	205 226	< 5	< 0.2	8.22	550	0.5	< 2	3.89	< 0.5	17	15	42	4.91	1.21	1.86
107961	205 226	< 5	< 0.2	7.96	340	0.5	< 2	3.63	< 0.5	14	13	34	4.30	0.96	1.64
107962	205 226	< 5	< 0.2	8.89	580	0.5	< 2	5.15	< 0.5	19	15	40	5.63	1.39	2.23
107963	205 226	< 5	< 0.2	8.55	600	0.5	< 2	4.85	< 0.5	20	9	43	5.62	1.70	2.36
107964	205 226	< 5	1.6	9.06	770	0.5	< 2	4.53	< 0.5	19	9	45	5.80	2.06	2.38
107965	205 226	< 5	< 0.2	8.85	830	0.5	< 2	4.21	< 0.5	15	1	36	5.12	1.85	1.80
107966	205 226	< 5	< 0.2	7.92	500	0.5	< 2	3.06	< 0.5	8	7	22	2.96	1.49	0.85
107967	205 226	< 5	0.8	7.33	520	0.5	< 2	3.51	< 0.5	9	18	31	3.11	1.74	0.85
107968	205 226	< 5	< 0.2	7.94	580	0.5	< 2	3.12	< 0.5	12	17	44	4.26	1.55	1.29
107969	205 226	< 5	< 0.2	6.56	360	0.5	< 2	7.00	< 0.5	12	15	34	4.36	1.15	1.56
107970	205 226	< 5	< 0.2	7.73	270	0.5	< 2	2.56	0.5	13	25	37	3.69	1.10	0.96
107971	205 226	< 5	< 0.2	9.15	910	1.0	< 2	4.19	< 0.5	29	40	189	7.24	1.69	1.84
107972	205 226	< 5	< 0.2	6.68	170	0.5	< 2	6.13	1.5	12	16	68	3.97	0.93	1.57
107973	205 226	< 5	< 0.2	8.66	370	0.5	< 2	6.15	< 0.5	23	27	182	5.60	1.30	1.78

CERTIFICATION: *David B. ...*



# 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 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number: 1-B  
 Total Pages: 3  
 Certificate Date: 11-MAR-96  
 Invoice No.: 19613302  
 P.O. Number:  
 Account: EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107934	205 226	930	2	1.90	13	910	2	137	0.39	140	< 10	90			
107935	205 226	840	1	1.54	14	780	4	155	0.37	118	< 10	86			
107936	205 226	990	< 1	1.15	16	690	< 2	215	0.35	114	10	80			
107937	205 226	925	4	2.26	14	970	4	194	0.39	137	10	94			
107938	205 226	1095	1	2.45	14	730	128	205	0.34	121	< 10	1430			
107939	205 226	1005	2	3.16	3	1710	12	312	0.22	61	< 10	150			
107940	205 226	1120	3	3.38	4	1660	4	288	0.21	60	< 10	104			
107941	205 226	1205	< 1	2.93	< 1	1560	4	297	0.20	56	< 10	80			
107942	205 226	1225	1	2.84	2	1640	2	320	0.21	59	< 10	80			
107943	205 226	1665	1	3.98	1	1550	26	407	0.20	64	< 10	140			
107944	205 226	1235	1	3.38	1	1710	2	382	0.22	66	< 10	108			
107945	205 226	1130	< 1	3.66	1	1630	18	381	0.20	57	< 10	144			
107946	205 226	1640	1	3.31	3	1420	4	357	0.21	67	< 10	114			
107947	205 226	1390	2	3.47	6	1240	< 2	288	0.33	118	< 10	202			
107948	205 226	1185	< 1	4.20	3	1680	< 2	374	0.20	60	< 10	112			
107949	205 226	935	1	3.85	1	1780	2	409	0.21	61	< 10	88			
107950	205 226	960	< 1	3.37	1	1750	2	395	0.22	62	< 10	68			
107951	205 226	1045	2	2.91	1	1660	< 2	406	0.22	62	< 10	72			
107952	205 226	1815	3	2.34	3	1480	4	323	0.28	97	10	106			
107953	205 226	1415	< 1	3.64	2	1680	< 2	421	0.20	62	< 10	102			
107954	205 226	1015	1	3.41	2	1690	< 2	498	0.22	62	< 10	74			
107955	205 226	1140	< 1	2.89	2	1680	64	481	0.21	59	< 10	78			
107956	205 226	1490	1	2.82	1	1610	4	472	0.20	57	< 10	66			
107957	205 226	1070	< 1	3.91	2	1690	6	429	0.21	59	< 10	100			
107958	205 226	1300	< 1	1.81	5	1220	< 2	497	0.47	183	10	66			
107959	205 226	1095	< 1	2.18	11	1280	< 2	557	0.43	167	10	72			
107960	205 226	975	< 1	2.67	13	1150	< 2	534	0.39	156	10	70			
107961	205 226	905	< 1	3.10	11	1130	< 2	474	0.33	114	< 10	68			
107962	205 226	1230	< 1	2.17	11	1300	< 2	584	0.43	175	10	72			
107963	205 226	1135	< 1	1.85	6	1220	< 2	553	0.44	178	10	64			
107964	205 226	1135	< 1	1.60	8	1220	< 2	589	0.46	187	10	66			
107965	205 226	1195	< 1	1.73	6	1190	< 2	509	0.42	139	< 10	66			
107966	205 226	780	1	2.93	8	690	< 2	294	0.30	83	< 10	76			
107967	205 226	770	1	1.98	11	660	< 2	204	0.31	100	< 10	76			
107968	205 226	805	< 1	1.46	13	820	4	282	0.39	135	< 10	90			
107969	205 226	975	< 1	0.27	12	650	< 2	250	0.34	131	10	74			
107970	205 226	735	< 1	1.20	13	780	20	172	0.37	131	< 10	106			
107971	205 226	1620	< 1	0.24	28	1730	4	188	0.58	320	10	104			
107972	205 226	1085	1	1.29	13	690	46	263	0.34	131	< 10	294			
107973	205 226	1255	< 1	0.92	18	1480	6	356	0.46	239	10	104			

CERTIFICATION: *Handwritten signature*



# Chemex Labs Ltd.

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

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 VANCOUVER, BC  
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Project: BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 2-A  
 Total Pages : 3  
 Certificate Date: 11-MAR-96  
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 Account : EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
107974	205 226	< 5	< 0.2	7.94	330	0.5	< 2	7.08	0.5	20	20	107	5.31	1.87	1.86
107975	205 226	< 5	< 0.2	8.71	610	0.5	< 2	3.67	< 0.5	27	31	194	6.38	1.83	2.61
107976	205 226	< 5	< 0.2	7.46	470	0.5	< 2	5.66	0.5	16	26	42	4.31	1.03	1.39
107977	205 226	< 5	< 0.2	6.16	370	0.5	< 2	3.61	1.5	7	36	38	2.63	1.01	0.70
107978	205 226	< 5	< 0.2	6.56	520	0.5	< 2	2.60	1.5	7	28	34	2.85	1.28	0.72
107979	205 226	< 5	0.2	6.72	610	0.5	< 2	2.96	1.5	8	28	39	3.20	1.56	0.83
107980	205 226	< 5	0.2	6.91	600	0.5	< 2	2.76	2.5	10	30	51	3.34	1.72	0.83
107981	205 226	< 5	0.2	6.67	550	0.5	< 2	2.54	2.0	10	29	49	3.55	1.47	0.84
107982	205 226	< 5	0.4	6.38	500	0.5	< 2	7.38	2.5	8	24	41	3.08	1.31	0.94
107983	205 226	< 5	1.2	6.33	450	0.5	< 2	3.15	5.5	8	41	52	3.07	1.46	0.88
107984	205 226	< 5	1.0	6.59	460	0.5	< 2	2.98	3.0	8	26	47	2.86	1.48	0.84
107985	205 226	< 5	3.4	6.54	440	0.5	< 2	2.89	31.0	7	32	61	2.68	1.44	0.74
107986	205 226	< 5	1.4	6.22	460	0.5	< 2	4.44	4.0	7	24	55	2.69	1.50	0.73
107987	205 226	< 5	1.8	6.88	490	0.5	< 2	3.03	13.0	9	44	55	3.21	1.64	0.81
107988	205 226	< 5	3.0	6.43	420	0.5	< 2	3.69	32.5	8	23	49	2.90	1.39	0.81
107989	205 226	< 5	0.4	6.81	500	0.5	< 2	3.06	2.5	9	35	51	3.30	1.55	0.84
107990	205 226	< 5	< 0.2	6.08	450	< 0.5	< 2	7.99	1.0	8	19	38	2.86	1.36	0.89
107991	205 226	< 5	0.2	6.38	530	0.5	< 2	2.66	3.5	7	54	55	2.90	1.47	0.67
107992	205 226	< 5	< 0.2	6.52	520	0.5	< 2	4.41	2.5	7	22	37	2.71	1.65	0.74
107993	205 226	< 5	0.4	6.46	570	0.5	< 2	3.56	3.5	8	30	45	2.75	1.61	0.71
107994	205 226	< 5	< 0.2	6.43	510	0.5	< 2	4.72	3.0	9	43	48	3.07	1.46	0.78
107995	205 226	< 5	0.2	6.31	470	0.5	< 2	3.75	2.5	10	29	57	3.49	1.58	0.89
107996	205 226	< 5	< 0.2	6.04	540	0.5	< 2	6.73	3.0	8	46	44	2.96	1.42	0.82
107997	205 226	< 5	< 0.2	6.51	470	0.5	< 2	3.11	3.5	9	58	68	3.40	1.31	0.85
107998	205 226	< 5	< 0.2	6.63	380	0.5	< 2	4.37	2.5	9	66	50	3.43	1.36	0.93
107999	205 226	< 5	1.0	6.45	300	0.5	< 2	4.15	5.0	10	97	62	3.31	1.62	0.80
108000	205 226	< 5	< 0.2	8.56	580	0.5	< 2	5.51	< 0.5	23	45	97	5.75	1.47	2.93
108001	205 226	< 5	< 0.2	8.54	640	0.5	< 2	5.66	< 0.5	26	45	107	5.86	1.34	3.09
108002	205 226	< 5	< 0.2	8.65	550	0.5	< 2	5.79	< 0.5	25	42	107	5.90	1.32	3.03
108003	205 226	< 5	< 0.2	8.19	560	0.5	< 2	5.73	< 0.5	25	40	108	5.99	1.35	2.95
108004	205 226	< 5	< 0.2	8.25	410	0.5	< 2	6.14	< 0.5	24	35	92	5.69	1.32	2.62
108005	205 226	< 5	< 0.2	8.80	340	0.5	< 2	5.33	< 0.5	25	39	115	5.39	1.26	2.29
108006	205 226	< 5	< 0.2	8.79	410	0.5	< 2	5.60	< 0.5	27	40	107	6.10	1.29	2.98
108007	205 226	< 5	< 0.2	8.75	520	0.5	< 2	5.67	< 0.5	25	36	105	5.81	1.59	2.90
108008	205 226	< 5	< 0.2	8.56	460	0.5	< 2	5.66	< 0.5	24	45	95	5.71	1.36	2.62
108009	205 226	< 5	< 0.2	9.08	540	0.5	< 2	5.78	< 0.5	28	45	135	6.34	1.29	3.05
108010	205 226	< 5	< 0.2	8.46	540	0.5	< 2	5.69	< 0.5	27	40	129	5.88	1.35	2.87
108011	205 226	< 5	< 0.2	6.37	460	< 0.5	< 2	2.54	5.0	10	72	58	3.22	1.74	0.91
108012	205 226	< 5	< 0.2	6.40	260	0.5	< 2	3.22	2.0	7	51	40	2.86	0.97	0.77
108013	205 226	< 5	< 0.2	7.70	390	0.5	< 2	5.36	1.5	16	57	73	4.41	1.17	1.47

CERTIFICATION: *Hartl 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

EGGOTT ENGINEERING LTD.

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

Project : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 2-B  
Total Pages : 3  
Certificate Date: 11-MAR-96  
Invoice No. : I9613302  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
107974	205 226	1415	< 1	0.28	14	1190	6	232	0.42	198	10	162			
107975	205 226	1210	< 1	1.19	25	1720	2	407	0.53	277	10	82			
107976	205 226	1100	3	1.69	13	730	8	321	0.36	156	10	96			
107977	205 226	675	15	1.82	22	590	4	262	0.30	129	< 10	162			
107978	205 226	625	11	1.52	18	530	6	259	0.30	122	< 10	130			
107979	205 226	700	11	1.19	20	640	4	253	0.33	136	< 10	140			
107980	205 226	715	21	1.58	36	530	6	278	0.33	216	< 10	206			
107981	205 226	710	28	1.65	38	560	6	257	0.32	187	< 10	196			
107982	205 226	1090	27	1.64	29	610	12	286	0.32	167	< 10	194			
107983	205 226	825	42	1.46	50	480	56	210	0.30	233	< 10	518			
107984	205 226	890	29	1.37	40	510	64	183	0.28	216	< 10	304			
107985	205 226	870	19	1.51	26	510	1620	187	0.29	179	< 10	3460			
107986	205 226	920	33	1.54	40	480	388	244	0.28	210	< 10	474			
107987	205 226	870	33	1.84	42	520	560	238	0.32	240	< 10	1385			
107988	205 226	930	23	1.82	29	490	1360	242	0.29	164	< 10	3490			
107989	205 226	810	33	1.75	44	530	52	258	0.32	216	< 10	316			
107990	205 226	1260	16	1.42	18	470	28	245	0.28	128	< 10	168			
107991	205 226	640	53	2.08	60	470	16	266	0.30	225	< 10	338			
107992	205 226	830	40	1.53	45	440	14	252	0.26	185	< 10	284			
107993	205 226	820	47	1.55	50	490	18	250	0.28	200	< 10	312			
107994	205 226	990	45	1.83	47	490	14	264	0.30	193	< 10	286			
107995	205 226	875	36	1.46	47	570	22	225	0.34	219	< 10	258			
107996	205 226	1140	44	1.81	49	520	6	259	0.30	207	< 10	284			
107997	205 226	885	56	2.31	58	560	8	233	0.35	247	< 10	330			
107998	205 226	1025	49	2.29	48	580	8	229	0.35	203	< 10	226			
107999	205 226	860	68	1.83	75	610	8	207	0.35	264	< 10	422			
108000	205 226	1100	< 1	2.10	22	1540	< 2	609	0.46	260	10	78			
108001	205 226	1115	1	2.09	25	1370	2	671	0.48	276	10	76			
108002	205 226	1080	< 1	2.05	22	1400	4	656	0.48	276	10	68			
108003	205 226	1120	< 1	2.19	24	1460	< 2	670	0.48	275	10	72			
108004	205 226	1125	< 1	2.14	21	1410	< 2	560	0.45	254	10	64			
108005	205 226	1065	< 1	2.15	22	1520	2	593	0.47	266	10	70			
108006	205 226	1155	< 1	2.43	23	1520	< 2	569	0.49	273	20	78			
108007	205 226	1120	< 1	2.20	20	1440	< 2	642	0.47	264	10	76			
108008	205 226	1025	< 1	1.99	24	1380	< 2	669	0.47	266	10	66			
108009	205 226	1155	< 1	2.33	28	1460	< 2	738	0.52	296	10	72			
108010	205 226	1100	< 1	2.10	23	1510	< 2	597	0.47	269	10	74			
108011	205 226	655	62	2.02	67	490	4	174	0.30	252	< 10	442			
108012	205 226	890	31	2.89	33	550	4	188	0.31	140	< 10	234			
108013	205 226	1145	21	2.34	31	840	< 2	322	0.41	209	10	174			

CERTIFICATION: Hart Buchler



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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 : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 3-A  
Total : 3  
Certificate Date: 11-MAR-96  
Invoice No. : 19613302  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
108014	205 226	< 5	< 0.2	8.73	520	0.5	< 2	5.81	< 0.5	25	43	111	5.86	1.56	3.03
108015	205 226	< 5	< 0.2	8.26	660	0.5	< 2	4.58	< 0.5	24	38	113	5.49	1.32	2.57
108016	205 226	< 5	< 0.2	9.00	650	0.5	< 2	5.24	< 0.5	28	47	101	6.24	1.32	2.82
108017	205 226	< 5	< 0.2	8.94	540	0.5	< 2	5.70	< 0.5	25	48	110	6.12	1.34	2.94
108018	205 226	< 5	< 0.2	8.62	610	0.5	< 2	5.16	< 0.5	26	46	100	5.88	1.35	3.06
108019	205 226	< 5	< 0.2	8.61	450	0.5	< 2	5.75	< 0.5	24	38	95	5.86	1.32	2.82
108020	205 226	30	< 0.2	6.73	370	< 0.5	2	4.22	7.5	13	32	72	4.32	1.45	1.34
108021	205 226	< 5	< 0.2	6.89	580	0.5	< 2	3.05	3.0	9	38	52	3.63	1.44	1.01
108022	205 226	< 5	1.0	6.54	330	< 0.5	< 2	3.11	2.5	8	36	48	3.33	1.26	0.91
108023	205 226	< 5	0.6	6.12	380	< 0.5	< 2	4.04	6.0	10	57	53	3.30	1.34	0.82
108024	205 226	< 5	2.0	6.11	250	1.5	< 2	2.86	7.5	10	33	57	3.30	2.13	0.63
108025	205 226	55	9.0	3.33	130	0.5	< 2	6.48	25.0	9	129	87	2.21	1.40	1.27
108026	205 226	< 5	2.0	6.76	310	1.0	< 2	3.18	6.5	11	37	67	4.06	2.65	1.07
108027	205 226	< 5	0.4	6.65	390	< 0.5	2	3.19	4.5	10	52	75	4.01	1.29	1.02
108028	205 226	80	8.4	6.86	160	0.5	8	2.99	17.0	11	54	157	4.76	1.83	1.07
108029	205 226	235	68.0	6.02	210	1.5	10	5.14	29.0	19	52	130	6.38	2.25	1.78
108030	205 226	30	18.0	6.89	240	1.5	< 2	2.83	26.5	12	59	172	3.27	2.61	0.94
108031	205 226	15	4.8	5.65	170	1.0	< 2	2.01	15.5	7	66	47	2.66	2.50	0.83
108032	205 226	10	4.4	5.69	660	1.0	< 2	2.54	9.5	9	69	47	2.46	2.56	0.88
108033	205 226	< 5	0.4	8.03	450	1.5	< 2	5.72	0.5	23	51	83	5.49	2.24	2.24
108034	205 226	< 5	0.6	8.93	530	0.5	< 2	5.34	< 0.5	24	44	186	5.86	1.76	2.76
108035	205 226	< 5	< 0.2	8.30	420	1.0	< 2	5.47	0.5	23	38	57	5.47	1.90	2.55
108036	205 226	< 5	< 0.2	8.87	490	1.5	< 2	5.14	< 0.5	24	42	58	5.58	1.86	2.30
108037	205 226	< 5	0.4	7.53	320	2.0	< 2	5.85	0.5	21	54	70	5.38	2.68	2.21
108038	205 226	< 5	< 0.2	8.88	470	0.5	< 2	5.94	< 0.5	27	44	51	6.02	1.75	3.01
108039	205 226	< 5	< 0.2	8.37	600	0.5	< 2	5.58	< 0.5	27	17	102	5.26	2.07	2.00
108040	205 226	< 5	0.4	8.60	310	0.5	< 2	5.81	< 0.5	36	24	168	5.80	2.17	2.04
108041	205 226	< 5	0.6	6.36	690	< 0.5	< 2	4.07	4.0	9	73	61	3.42	1.34	0.82
108042	205 226	< 5	< 0.2	5.24	270	< 0.5	< 2	8.07	2.5	6	75	28	2.26	1.13	0.73
108043	205 226	< 5	< 0.2	7.43	500	< 0.5	< 2	5.57	< 0.5	20	35	88	4.80	1.45	2.27
108044	205 226	< 5	< 0.2	8.29	530	0.5	< 2	6.02	< 0.5	23	41	102	5.24	1.62	2.53

CERTIFICATION:

*Handwritten signature*





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EQUILIBRIUM ENGINEERING LTD.

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

Project: BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Number: 9  
Total Pages: 13  
Certificate Date: 11-MAR-98  
Invoice: 19813302  
P.O. Number:  
Account: EIA

## CERTIFICATE OF ANALYSIS A9613302

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
108014	205 226	1105	< 1	1.68	26	1180	< 2	514	0.49	243	10	64			
108015	205 226	1020	< 1	2.34	23	1130	< 2	634	0.47	235	10	82			
108016	205 226	1140	< 1	2.65	29	1120	< 2	713	0.50	264	< 10	68			
108017	205 226	1125	< 1	2.02	28	1130	< 2	609	0.49	251	< 10	68			
108018	205 226	1190	< 1	2.28	27	1070	< 2	609	0.47	245	< 10	66			
108019	205 226	1065	< 1	1.63	22	1090	< 2	442	0.48	239	10	74			
108020	205 226	1235	33	1.75	35	540	36	244	0.38	209	< 10	738			
108021	205 226	840	48	2.14	44	540	12	284	0.36	191	< 10	276			
108022	205 226	865	39	2.08	35	510	10	213	0.33	171	< 10	254			
108023	205 226	1100	60	1.78	66	530	12	214	0.32	288	< 10	468			
108024	205 226	1345	61	0.33	55	480	184	115	0.33	293	< 10	764			
108025	205 226	1595	27	0.04	20	320	2300	167	0.18	139	< 10	3330			
108026	205 226	1550	30	0.28	32	570	122	120	0.39	253	10	540			
108027	205 226	970	45	2.23	56	600	12	243	0.39	329	10	372			
108028	205 226	1250	31	1.66	46	500	152	185	0.37	285	10	1500			
108029	205 226	2270	9	0.12	32	700	1820	154	0.32	170	10	3250			
108030	205 226	1165	37	0.12	41	610	840	102	0.31	195	10	2570			
108031	205 226	1135	64	0.07	48	410	480	69	0.27	173	< 10	1310			
108032	205 226	1395	103	0.07	49	500	298	70	0.29	187	< 10	960			
108033	205 226	1355	< 1	1.14	19	1380	4	430	0.41	226	10	86			
108034	205 226	1185	< 1	2.42	21	1500	< 2	591	0.46	252	10	80			
108035	205 226	1215	< 1	1.88	21	1440	4	514	0.43	234	10	90			
108036	205 226	1165	< 1	2.09	19	1520	4	568	0.46	247	10	78			
108037	205 226	2060	< 1	0.23	20	1280	40	167	0.39	218	20	112			
108038	205 226	1945	< 1	1.87	25	1530	< 2	535	0.48	272	10	102			
108039	205 226	2230	< 1	2.23	15	1640	< 2	458	0.43	233	10	84			
108040	205 226	2210	< 1	1.56	16	1690	< 2	295	0.43	238	10	84			
108041	205 226	1065	40	2.06	43	570	12	145	0.32	177	< 10	352			
108042	205 226	1170	26	1.62	27	460	16	238	0.25	128	< 10	224			
108043	205 226	1125	< 1	1.15	21	980	< 2	400	0.40	202	10	58			
108044	205 226	1160	< 1	1.50	26	1080	< 2	602	0.45	229	10	66			

CERTIFICATION:

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Analytical Chemists \* Geochemists \* Registered Assayers

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To: EQUITY ENGINEERING LTD.

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

Project: BLK96-01  
Comments: ATTN:D. A. CAULFIELD

Page Number :1-A  
Total Pages :3  
Certificate Date: 15-MAR-96  
Invoice No. :19613819  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
108045	205 226	< 5	0.2	8.35	790	< 0.5	< 2	4.09	0.5	13	71	38	5.12	2.15	1.63
108046	205 226	< 5	< 0.2	8.58	510	< 0.5	< 2	4.65	0.5	24	136	65	5.97	1.20	3.25
108047	205 226	< 5	< 0.2	7.81	460	< 0.5	2	5.85	< 0.5	30	326	108	5.73	1.11	4.26
108048	205 226	< 5	< 0.2	7.57	400	< 0.5	< 2	6.08	0.5	34	476	127	5.80	1.00	5.22
108049	205 226	< 5	0.2	7.80	500	< 0.5	< 2	6.22	0.5	31	395	135	5.85	1.24	4.73
108050	205 226	< 5	0.2	7.72	680	< 0.5	< 2	3.78	0.5	10	53	36	3.65	1.83	1.47
108051	205 226	< 5	< 0.2	8.31	650	< 0.5	< 2	5.88	0.5	11	50	27	3.80	2.14	1.47
108052	205 226	< 5	< 0.2	7.93	390	< 0.5	< 2	8.30	0.5	15	62	25	4.70	1.70	1.55
108053	205 226	< 5	< 0.2	6.95	480	0.5	< 2	5.68	< 0.5	5	36	7	2.07	1.72	0.53
108054	205 226	< 5	< 0.2	6.82	520	< 0.5	< 2	5.81	0.5	7	41	14	2.85	1.94	0.78
108055	205 226	< 5	< 0.2	8.50	580	< 0.5	< 2	3.87	0.5	17	51	44	5.41	1.61	2.07
108056	205 226	< 5	< 0.2	7.61	870	< 0.5	< 2	3.86	0.5	10	51	31	3.67	2.20	1.23
108057	205 226	< 5	0.2	7.61	810	< 0.5	< 2	1.82	< 0.5	11	47	25	3.56	1.91	1.31
108058	205 226	< 5	0.2	8.16	540	< 0.5	< 2	2.77	0.5	15	61	40	4.36	1.38	1.66
108059	205 226	< 5	0.2	8.29	840	< 0.5	< 2	2.24	0.5	15	62	43	4.45	2.30	1.57
108060	205 226	< 5	0.2	7.43	760	< 0.5	< 2	4.31	< 0.5	12	46	25	3.45	2.01	1.26
108061	205 226	< 5	0.6	8.04	850	< 0.5	< 2	2.65	0.5	15	59	46	3.94	1.75	1.63
108062	205 226	< 5	0.4	7.66	1190	< 0.5	< 2	2.75	< 0.5	10	50	27	3.37	2.20	1.39
108063	205 226	< 5	0.2	8.36	740	< 0.5	< 2	3.38	1.0	15	25	43	5.16	1.57	2.01
108064	205 226	< 5	0.4	7.65	660	< 0.5	< 2	4.04	< 0.5	12	54	24	3.59	1.56	1.46
108065	205 226	< 5	0.4	8.11	530	< 0.5	6	5.29	1.0	25	124	102	5.42	1.02	3.30
108066	205 226	< 5	0.6	7.86	320	< 0.5	2	6.08	0.5	22	111	97	5.01	1.04	2.73
108067	205 226	< 5	0.4	8.17	360	< 0.5	< 2	6.30	0.5	25	105	102	4.96	1.55	2.51
108068	205 226	< 5	0.4	8.05	460	< 0.5	2	4.12	0.5	11	57	41	3.11	2.22	1.22
108069	205 226	< 5	< 0.2	7.80	400	0.5	< 2	2.26	0.5	9	43	29	2.78	2.28	0.91
108070	205 226	< 5	0.2	7.53	390	< 0.5	< 2	2.44	1.0	9	43	27	2.76	2.25	0.86
108071	205 226	< 5	0.2	7.91	450	0.5	< 2	2.49	1.0	9	42	32	2.81	2.47	0.90
108072	205 226	< 5	0.2	7.77	470	0.5	< 2	2.44	0.5	9	31	24	2.63	2.38	0.89
108073	205 226	< 5	0.4	8.57	500	< 0.5	< 2	3.04	0.5	13	42	39	3.91	2.23	1.33
108074	205 226	< 5	0.2	8.63	480	0.5	< 2	4.19	1.0	12	35	48	3.39	2.82	1.58
108075	205 226	< 5	0.2	7.14	520	0.5	< 2	4.39	2.5	12	75	41	3.47	2.29	1.81
108076	205 226	< 5	0.4	7.94	480	0.5	< 2	3.47	1.0	9	45	23	3.21	2.25	1.29
108077	205 226	< 5	0.2	8.39	490	< 0.5	< 2	3.97	1.0	14	45	28	4.24	1.76	1.48
108078	205 226	< 5	0.2	8.57	480	< 0.5	< 2	4.30	0.5	14	44	35	4.36	1.84	1.59
108079	205 226	< 5	0.2	8.35	380	< 0.5	< 2	3.72	9.5	17	63	53	5.19	1.87	2.57
108080	205 226	< 5	0.4	8.94	320	< 0.5	< 2	5.61	3.0	22	31	59	6.16	1.11	2.84
108081	205 226	< 5	0.2	7.57	570	< 0.5	< 2	5.34	1.5	13	49	35	4.60	1.98	1.45
108082	205 226	< 5	0.4	7.06	560	< 0.5	< 2	4.37	< 0.5	10	36	32	3.98	2.10	1.11
108083	205 226	< 5	0.4	5.01	380	< 0.5	2	9.71	1.5	7	31	26	4.28	1.62	2.77
108084	205 226	< 5	< 0.2	7.59	590	< 0.5	< 2	4.96	1.0	13	63	27	4.03	2.10	1.31

CERTIFICATION:

*Hart 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

Page Number :1-B  
 Total Pages :3  
 Certificate Date: 15-MAR-96  
 Invoice No. :19613819  
 P.O. Number :  
 Account :EIA

Project : BLK96-01  
 Comments: ATTN:D. A. CAULFIELD

## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
108045	205 226	655	1	1.95	26	1080	8	558	0.38	148	< 10	90			
108046	205 226	1015	1	1.72	57	1380	2	591	0.45	222	< 10	84			
108047	205 226	1090	2	1.59	119	1380	< 2	546	0.45	241	< 10	64			
108048	205 226	1050	1	1.35	166	1360	4	483	0.46	257	< 10	60			
108049	205 226	1060	1	1.39	151	1460	2	540	0.47	261	< 10	66			
108050	205 226	630	3	2.56	20	1280	8	531	0.36	115	< 10	90			
108051	205 226	760	1	2.50	13	1550	8	607	0.37	120	< 10	82			
108052	205 226	900	3	2.47	18	2090	4	419	0.38	169	< 10	102			
108053	205 226	475	4	3.09	5	510	8	313	0.18	55	< 10	48			
108054	205 226	705	4	2.50	6	660	10	266	0.26	94	< 10	72			
108055	205 226	1110	3	2.45	28	1860	4	409	0.38	161	< 10	104			
108056	205 226	790	3	2.24	14	1120	8	464	0.31	114	< 10	90			
108057	205 226	770	3	2.28	18	490	8	425	0.29	107	< 10	66			
108058	205 226	895	1	2.83	30	1330	4	449	0.32	130	< 10	86			
108059	205 226	850	3	2.04	31	870	8	405	0.34	136	< 10	80			
108060	205 226	805	5	2.04	23	650	12	443	0.29	107	< 10	64			
108061	205 226	770	1	2.47	19	750	10	625	0.34	141	< 10	68			
108062	205 226	695	6	2.39	16	630	8	691	0.30	97	< 10	66			
108063	205 226	1030	1	2.74	10	2030	8	522	0.33	139	< 10	100			
108064	205 226	840	4	2.52	17	770	4	495	0.28	105	< 10	64			
108065	205 226	1130	1	1.94	48	1370	12	585	0.43	229	< 10	70			
108066	205 226	1030	1	1.91	43	1390	8	497	0.43	223	< 10	66			
108067	205 226	1075	1	1.45	47	1420	4	355	0.44	236	< 10	74			
108068	205 226	670	< 1	1.27	21	590	8	206	0.28	108	< 10	54			
108069	205 226	505	< 1	1.42	17	470	10	163	0.23	83	< 10	66			
108070	205 226	520	1	1.27	20	450	8	153	0.21	79	< 10	70			
108071	205 226	595	< 1	1.15	24	440	8	152	0.22	83	< 10	70			
108072	205 226	585	< 1	1.19	16	430	4	149	0.23	72	< 10	56			
108073	205 226	895	7	1.41	24	620	4	206	0.34	119	< 10	84			
108074	205 226	970	2	0.40	21	380	12	191	0.32	109	< 10	68			
108075	205 226	985	1	0.19	46	410	48	211	0.32	117	< 10	300			
108076	205 226	705	1	0.77	19	550	18	190	0.27	84	< 10	72			
108077	205 226	920	1	1.93	19	970	10	273	0.34	117	< 10	84			
108078	205 226	1040	2	1.78	30	1140	16	193	0.37	138	< 10	90			
108079	205 226	1790	< 1	0.67	36	1310	364	177	0.37	173	< 10	1700			
108080	205 226	1585	< 1	1.55	16	1410	70	466	0.48	236	< 10	286			
108081	205 226	1135	< 1	1.09	22	960	16	164	0.35	148	< 10	90			
108082	205 226	1070	3	0.41	17	800	18	139	0.30	109	< 10	98			
108083	205 226	1715	5	0.14	9	730	72	406	0.21	72	< 10	146			
108084	205 226	1205	3	0.94	19	1390	58	156	0.29	122	< 10	168			

CERTIFICATION:

*Hart Buchler*



# 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 : BLK96-01  
 Comments: ATTN:D. A. CAULFIELD

Page Number :2-A  
 Total Pages :3  
 Certificate Date: 15-MAR-96  
 Invoice No. :19613819  
 P.O. Number :  
 Account :EIA

## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
108085	205 226	< 5	0.2	6.92	620	< 0.5	< 2	5.99	1.5	12	142	20	4.59	1.94	1.42
108086	205 226	< 5	< 0.2	6.70	550	< 0.5	< 2	6.86	1.5	12	162	18	3.49	1.66	1.28
108087	205 226	< 5	0.2	7.24	600	< 0.5	< 2	6.70	1.0	9	74	23	3.30	2.17	1.14
108088	205 226	5	0.4	7.90	610	< 0.5	< 2	5.13	2.0	11	54	27	3.40	2.44	1.22
108089	205 226	< 5	0.2	7.28	500	0.5	< 2	4.17	1.5	5	38	16	1.95	2.41	0.57
108090	205 226	< 5	< 0.2	7.34	480	0.5	< 2	4.02	1.0	4	38	7	1.25	3.00	0.36
108091	205 226	< 5	< 0.2	6.97	480	0.5	< 2	3.95	3.5	5	41	15	1.90	2.75	0.52
108092	205 226	< 5	< 0.2	7.79	440	0.5	< 2	4.20	7.5	10	52	25	2.67	2.31	0.76
108093	205 226	< 5	0.4	7.69	540	0.5	< 2	3.43	12.0	8	36	26	2.78	2.43	0.66
108094	205 226	< 5	< 0.2	7.34	860	0.5	< 2	5.43	2.5	4	32	14	1.26	3.01	0.35
108095	205 226	< 5	< 0.2	7.64	790	0.5	< 2	5.16	3.0	8	42	14	2.64	2.78	0.67
108096	205 226	< 5	< 0.2	8.15	640	< 0.5	< 2	5.20	2.0	14	27	35	4.59	2.15	1.22
108097	205 226	< 5	< 0.2	7.66	610	< 0.5	< 2	8.11	0.5	11	28	18	3.73	1.89	0.98
108098	205 226	< 5	< 0.2	7.81	690	0.5	< 2	4.14	1.5	7	29	15	2.84	2.75	0.67
108099	205 226	< 5	< 0.2	7.61	570	0.5	< 2	3.17	2.5	5	61	9	1.51	2.35	0.46
108100	205 226	< 5	< 0.2	7.72	710	0.5	< 2	3.68	2.0	9	41	19	2.67	2.76	0.77
108101	205 226	< 5	< 0.2	8.21	750	0.5	< 2	3.76	1.5	10	34	22	2.95	2.79	0.84
108102	205 226	< 5	< 0.2	8.11	780	0.5	< 2	3.71	1.5	10	35	24	3.00	2.68	0.85
108103	205 226	< 5	< 0.2	7.97	780	< 0.5	< 2	3.57	1.5	9	28	22	2.80	2.67	0.79
108104	205 226	20	< 0.2	7.47	630	< 0.5	< 2	4.32	5.5	11	46	22	3.05	2.29	0.80
108105	205 226	< 5	< 0.2	8.67	670	0.5	< 2	3.74	2.0	9	31	16	3.17	2.51	0.93
108106	205 226	< 5	< 0.2	8.31	510	0.5	< 2	2.93	0.5	10	44	26	2.97	1.94	0.82
108107	205 226	< 5	< 0.2	8.46	600	0.5	6	3.27	1.5	11	41	22	3.19	2.18	0.92
108108	205 226	< 5	< 0.2	8.17	380	< 0.5	< 2	3.85	1.5	14	26	26	4.34	1.14	1.37
108109	205 226	< 5	< 0.2	8.37	760	0.5	< 2	3.18	2.0	9	40	20	3.01	2.29	0.91
108110	205 226	< 5	< 0.2	8.21	740	< 0.5	< 2	3.19	0.5	9	47	31	3.07	1.56	0.93
108111	205 226	< 5	< 0.2	8.39	960	< 0.5	< 2	2.92	2.0	10	40	24	3.14	1.60	1.11
108112	205 226	< 5	< 0.2	7.12	680	< 0.5	< 2	3.27	2.0	17	143	68	4.18	2.16	1.71
108113	205 226	5	< 0.2	7.28	630	< 0.5	< 2	0.80	0.5	16	151	66	4.28	2.21	1.77
108114	205 226	5	< 0.2	7.32	630	< 0.5	< 2	0.75	0.5	17	146	65	4.36	2.11	1.82
108115	205 226	< 5	< 0.2	7.48	660	< 0.5	< 2	0.68	0.5	16	149	59	4.33	2.11	1.85
108116	205 226	65	1.0	6.86	730	< 0.5	< 2	1.17	10.5	16	150	63	4.18	1.94	1.76
108117	205 226	5	0.2	7.24	680	< 0.5	4	1.18	0.5	17	152	52	4.22	2.05	1.71
108118	205 226	< 5	0.2	7.06	680	< 0.5	< 2	1.23	1.0	14	163	57	4.29	1.93	1.67
108119	205 226	< 5	0.4	7.30	730	< 0.5	< 2	0.92	< 0.5	14	147	41	4.35	1.98	1.53
108120	205 226	< 5	< 0.2	6.24	540	< 0.5	< 2	3.69	1.0	10	101	20	3.96	1.19	1.25
108121	205 226	< 5	< 0.2	6.20	690	< 0.5	< 2	5.10	1.5	6	79	10	2.43	1.48	0.88
108122	205 226	< 5	< 0.2	6.54	500	< 0.5	< 2	6.05	2.5	8	87	23	3.15	1.21	1.10
108123	205 226	< 5	0.4	9.24	420	< 0.5	2	5.68	3.5	23	27	71	6.03	0.79	2.45
108124	205 226	65	< 0.2	6.76	730	< 0.5	< 2	3.00	31.5	16	123	51	4.06	2.02	1.63

CERTIFICATION:

*Handwritten 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: BLK96-01  
Comments: ATTN:D. A. CAULFIELD

Page Number :2-B  
Total Pages :3  
Certificate Date: 15-MAR-96  
Invoice No. :I9613819  
P.O. Number :  
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## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
108085	205 226	1025	1	0.80	42	1790	26	172	0.25	126	< 10	150			
108086	205 226	1045	< 1	1.20	54	1110	12	204	0.25	106	< 10	86			
108087	205 226	1495	2	1.03	26	990	48	211	0.27	90	< 10	132			
108088	205 226	1235	< 1	1.09	16	990	102	186	0.30	112	< 10	272			
108089	205 226	1240	3	1.26	9	580	76	155	0.17	46	< 10	256			
108090	205 226	1095	< 1	0.56	3	280	20	165	0.12	21	< 10	84			
108091	205 226	1280	1	0.53	6	540	52	126	0.15	35	< 10	412			
108092	205 226	1415	1	1.63	3	630	500	189	0.21	76	< 10	1250			
108093	205 226	1285	2	1.34	4	630	680	161	0.22	77	< 10	1890			
108094	205 226	1400	3	0.45	< 1	300	66	151	0.11	23	< 10	344			
108095	205 226	1240	1	0.77	8	640	98	193	0.19	69	< 10	384			
108096	205 226	1215	< 1	1.51	12	1300	66	284	0.29	133	< 10	234			
108097	205 226	1240	1	1.87	8	1180	10	388	0.25	99	< 10	96			
108098	205 226	1095	3	0.99	4	560	28	223	0.17	58	< 10	188			
108099	205 226	990	< 1	1.74	2	340	28	228	0.13	39	< 10	210			
108100	205 226	1135	< 1	0.78	5	570	24	181	0.21	77	< 10	188			
108101	205 226	1045	< 1	0.89	8	640	14	190	0.23	84	< 10	132			
108102	205 226	1010	1	0.95	8	610	16	193	0.24	84	< 10	150			
108103	205 226	950	< 1	0.84	4	610	10	171	0.22	83	< 10	142			
108104	205 226	1320	5	1.13	7	520	30	184	0.21	77	< 10	618			
108105	205 226	1170	< 1	1.63	6	710	20	200	0.25	95	< 10	214			
108106	205 226	1005	1	2.42	7	630	20	229	0.22	85	< 10	92			
108107	205 226	1205	8	2.02	8	620	36	201	0.22	98	< 10	198			
108108	205 226	1465	< 1	2.90	6	690	28	274	0.30	152	< 10	172			
108109	205 226	1135	5	1.73	5	620	8	179	0.23	87	< 10	180			
108110	205 226	1165	2	2.55	9	620	14	233	0.25	86	< 10	182			
108111	205 226	1130	< 1	2.66	7	660	14	265	0.26	86	< 10	246			
108112	205 226	1310	1	0.28	105	700	30	108	0.34	127	< 10	300			
108113	205 226	925	4	0.15	110	670	6	67	0.38	142	< 10	168			
108114	205 226	840	2	0.36	108	700	4	88	0.37	142	< 10	168			
108115	205 226	855	2	0.39	105	790	6	95	0.39	153	< 10	160			
108116	205 226	840	3	0.38	106	750	62	102	0.36	141	< 10	1165			
108117	205 226	635	4	0.37	95	660	12	111	0.36	149	< 10	158			
108118	205 226	615	3	0.40	97	580	12	131	0.36	148	< 10	248			
108119	205 226	535	1	0.51	90	440	18	145	0.38	145	< 10	158			
108120	205 226	735	< 1	1.24	40	690	6	178	0.34	98	< 10	126			
108121	205 226	750	1	1.32	19	660	4	205	0.22	55	< 10	124			
108122	205 226	850	1	1.05	19	980	6	274	0.25	75	< 10	250			
108123	205 226	1505	1	1.28	17	1410	18	564	0.47	243	10	340			
108124	205 226	1175	3	0.20	79	480	26	137	0.34	128	< 10	3040			

CERTIFICATION:

*Hart Bichler*



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Account :EIA

## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
108125	205 226	< 5	0.4	7.48	1010	0.5	< 2	0.61	< 0.5	14	117	60	4.10	2.36	1.49
108126	205 226	< 5	< 0.2	4.87	420	< 0.5	< 2	1.47	2.5	12	173	27	3.26	1.03	0.99
108127	205 226	< 5	0.2	4.89	330	< 0.5	< 2	2.68	3.5	12	143	19	3.32	0.82	1.08
108128	205 226	< 5	0.2	8.93	990	< 0.5	4	5.42	1.5	20	42	54	5.52	1.03	2.47
108129	205 226	10	0.4	9.04	780	< 0.5	4	3.73	1.0	21	53	49	5.82	0.90	2.57
108130	205 226	5	0.2	6.95	1000	< 0.5	< 2	0.61	0.5	13	158	37	4.09	2.00	1.51
108131	205 226	10	0.4	7.05	1040	< 0.5	4	1.91	1.5	10	108	32	4.48	2.07	1.52
108132	205 226	10	0.4	7.27	830	< 0.5	< 2	0.45	1.5	11	113	45	4.14	2.21	1.49
108133	205 226	5	0.4	7.07	830	< 0.5	4	0.47	2.0	13	125	56	4.44	2.03	1.76
108134	205 226	< 5	< 0.2	7.57	710	< 0.5	< 2	6.33	2.0	35	597	127	5.93	0.50	5.57
108135	205 226	< 5	0.2	7.02	940	< 0.5	6	6.64	2.5	33	566	101	5.86	0.45	5.86
108136	205 226	< 5	0.2	7.45	490	< 0.5	2	8.21	4.0	35	584	112	5.49	0.54	4.51
108137	205 226	< 5	< 0.2	7.09	970	0.5	2	0.75	0.5	13	113	47	3.81	2.17	1.55
108138	205 226	< 5	< 0.2	7.39	1030	0.5	2	0.70	1.0	13	111	47	3.87	2.29	1.52
108139	205 226	< 5	< 0.2	7.40	1000	< 0.5	2	1.27	0.5	9	101	34	3.83	1.95	1.30
108140	205 226	5	< 0.2	7.41	960	< 0.5	2	1.45	1.5	8	93	32	4.00	2.10	1.29
108141	205 226	10	< 0.2	6.97	1000	0.5	2	1.41	1.5	9	81	35	3.99	2.03	1.36
108142	205 226	< 5	< 0.2	8.05	1160	0.5	< 2	3.34	1.5	9	59	17	4.01	1.27	1.37
108143	205 226	< 5	< 0.2	6.63	1160	< 0.5	2	4.97	< 0.5	12	125	19	3.03	1.39	1.30
108144	205 226	< 5	< 0.2	6.84	1190	0.5	2	1.04	1.0	14	117	52	3.69	2.01	1.58
108145	205 226	< 5	3.6	8.70	450	< 0.5	16	3.55	7.0	17	24	61	5.73	1.00	1.97
108146	205 226	< 5	0.2	8.95	990	< 0.5	4	4.06	2.5	16	7	34	5.79	1.49	1.91
108147	205 226	50	0.2	7.32	530	0.5	4	3.10	1.5	15	94	89	5.25	1.95	1.47
108148	205 226	35	0.4	8.77	440	0.5	6	2.93	1.5	9	22	32	3.93	1.75	1.35
108149	205 226	10	0.4	8.39	660	1.0	< 2	2.24	2.0	5	59	41	1.92	2.05	0.40
108150	205 226	25	0.2	9.33	550	1.0	< 2	2.39	1.5	4	26	33	1.99	1.68	0.47
108151	205 226	30	< 0.2	7.93	540	0.5	< 2	2.45	0.5	4	76	22	1.93	1.64	0.53
108152	205 226	< 5	< 0.2	8.30	820	0.5	< 2	1.73	1.5	5	43	47	2.09	1.49	0.40
108153	205 226	< 5	< 0.2	6.54	920	1.5	6	1.09	4.0	16	181	36	4.01	2.13	1.36
108154	205 226	< 5	< 0.2	3.06	450	0.5	4	0.99	1.0	8	177	28	1.99	1.15	0.64
108155	205 226	< 5	0.2	3.71	430	0.5	4	1.30	< 0.5	8	181	36	2.10	1.29	0.78
108156	205 226	60	< 0.2	5.84	840	0.5	4	2.37	< 0.5	13	197	28	3.82	1.31	1.49
108157	205 226	10	< 0.2	9.33	1760	< 0.5	2	4.31	2.0	19	27	52	5.17	2.45	1.77
108158	205 226	10	< 0.2	6.42	690	0.5	4	2.16	1.0	15	158	26	4.15	1.40	1.84
108159	205 226	< 5	< 0.2	6.23	660	0.5	2	1.98	1.5	13	163	13	3.81	1.53	1.97
108160	205 226	< 5	< 0.2	4.73	420	0.5	4	1.90	0.5	10	142	17	2.65	1.38	1.12
108161	205 226	15	0.2	10.35	1170	0.5	2	5.48	2.0	20	27	79	5.94	2.47	2.19
108162	205 226	< 5	< 0.2	6.45	430	0.5	< 2	2.19	0.5	10	135	18	3.29	1.88	1.31

CERTIFICATION: Hart 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

Project: BLK96-01  
Comments: ATTN:D. A. CAULFIELD

Page Number :3-B  
Total Pages :3  
Certificate Date: 15-MAR-96  
Invoice No. :I9613819  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS A9613819

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
108125	205 226	750	4	0.24	85	410	8	92	0.37	153	< 10	120			
108126	205 226	700	3	0.69	46	680	20	81	0.21	106	< 10	394			
108127	205 226	740	< 1	1.21	48	670	12	142	0.21	101	< 10	428			
108128	205 226	1115	1	1.88	20	1540	< 2	677	0.43	193	< 10	136			
108129	205 226	1225	2	2.48	28	1470	4	641	0.43	191	< 10	148			
108130	205 226	440	2	0.87	79	430	< 2	205	0.36	134	< 10	130			
108131	205 226	515	< 1	1.02	56	930	8	272	0.33	129	< 10	136			
108132	205 226	425	1	0.67	69	480	14	151	0.37	131	< 10	200			
108133	205 226	545	2	0.53	77	440	14	131	0.37	148	< 10	338			
108134	205 226	1370	< 1	1.28	197	1420	32	643	0.45	259	20	260			
108135	205 226	1755	< 1	1.11	191	1250	< 2	630	0.41	235	20	288			
108136	205 226	1705	< 1	0.93	187	1340	< 2	522	0.43	247	10	354			
108137	205 226	440	1	0.51	76	460	4	131	0.32	144	< 10	132			
108138	205 226	400	2	0.59	78	440	12	155	0.32	148	< 10	178			
108139	205 226	350	2	0.85	56	590	8	249	0.34	112	< 10	128			
108140	205 226	435	2	0.48	52	590	8	165	0.36	118	< 10	206			
108141	205 226	495	< 1	0.44	48	730	2	143	0.34	126	< 10	134			
108142	205 226	730	< 1	1.81	22	900	2	497	0.31	112	< 10	114			
108143	205 226	745	1	1.54	49	690	< 2	402	0.29	104	< 10	94			
108144	205 226	690	2	0.65	74	600	12	156	0.34	135	< 10	144			
108145	205 226	1625	3	2.56	13	2140	240	396	0.35	132	10	588			
108146	205 226	1725	1	2.40	3	2350	20	510	0.37	133	10	298			
108147	205 226	1665	10	0.97	36	1470	8	206	0.31	124	10	194			
108148	205 226	1380	10	2.34	4	1300	4	262	0.21	64	< 10	148			
108149	205 226	710	1	3.29	1	440	12	230	0.09	4	< 10	182			
108150	205 226	745	2	4.55	2	490	12	345	0.09	5	< 10	82			
108151	205 226	765	3	3.12	11	430	4	248	0.11	22	< 10	50			
108152	205 226	555	3	3.63	3	450	4	252	0.08	4	< 10	76			
108153	205 226	1120	5	0.34	98	600	32	116	0.33	146	< 10	514			
108154	205 226	720	2	0.05	39	410	32	44	0.13	72	< 10	108			
108155	205 226	725	1	0.14	51	370	12	68	0.17	84	< 10	84			
108156	205 226	1305	2	0.54	66	710	4	169	0.27	120	< 10	102			
108157	205 226	1760	1	2.28	11	1990	20	490	0.38	173	10	190			
108158	205 226	1475	2	0.87	81	930	4	219	0.30	138	< 10	124			
108159	205 226	1315	1	0.69	101	450	2	180	0.29	126	< 10	172			
108160	205 226	880	2	0.54	80	480	2	134	0.21	101	< 10	68			
108161	205 226	1805	< 1	1.89	26	2100	22	482	0.41	190	10	128			
108162	205 226	900	1	0.84	55	1050	44	168	0.26	126	< 10	90			

CERTIFICATION:

*Heidi Boshler*



# 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

A9614496

Comments: ATTN: D.A. CAULFIELD

<b>CERTIFICATE</b>	<b>A9614496</b>
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(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 96-01  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 26-MAR-96.

SAMPLE PREPARATION		
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244 287	79 79	Pulp; prev. prepared at Chemex Special dig'n with organic ext'n

ANALYTICAL PROCEDURES					
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
13	79	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	79	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000





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To: EQUITY ENGINEERING LTD.

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

Project : BLK96-01  
Comments: ATTN:D. A. CAULFIELD

Page Number : 1  
Total Pages : 1  
Certificate Date: 22-MAR-96  
Invoice No. : I9614491  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614491

SAMPLE	PREP CODE	As ppm	Sb ppm									
107551	244 287	10	0.4									
107552	244 287	16	1.0									
107553	244 287	12	1.2									
107554	244 287	6	1.4									
107555	244 287	32	2.0									
107556	244 287	4	0.4									
107557	244 287	50	12.0									
107558	244 287	48	34									
107559	244 287	100	6.2									
107560	244 287	6	5.6									
107561	244 287	10	0.6									
107562	244 287	6	2.4									
107563	244 287	20	15.0									
107564	244 287	2060	130									
107565	244 287	6	1.2									
107566	244 287	6	0.6									
107567	244 287	8	0.2									
107568	244 287	4	0.2									
107569	244 287	4	1.8									
107570	244 287	6	1.0									
107571	244 287	8	0.6									
107572	244 287	124	2.6									
107573	244 287	14	0.4									
107574	244 287	6	0.6									
107575	244 287	12	0.6									
107576	244 287	10	0.8									
107577	244 287	60	3.0									
107578	244 287	72	3.4									
107579	244 287	1370	34									
107580	244 287	1300	37									
107581	244 287	140	6.8									

CERTIFICATION:

*Hart Bechler*



# 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: BLK96-01  
Comments: ATTN:D.A. CAULFIELD

Page Number :1  
Total Pages :2  
Certificate Date: 22-MAR-96  
Invoice No. :19614492  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS

A9614492

SAMPLE	PREP CODE	As ppm	Sb ppm										
107582	244 287	24	0.4										
107583	244 287	18	1.4										
107584	244 287	22	4.8										
107585	244 287	10	0.6										
107586	244 287	6	0.4										
107587	244 287	8	0.4										
107588	244 287	4	0.6										
107589	244 287	6	0.4										
107590	244 287	4	0.4										
107591	244 287	10	0.4										
107592	244 287	6	0.8										
107593	244 287	4	0.4										
107594	244 287	4	0.4										
107595	244 287	4	0.2										
107596	244 287	56	0.2										
107597	244 287	310	< 0.2										
107598	244 287	1620	0.6										
107599	244 287	42	0.2										
107600	244 287	46	3.8										
107601	244 287	6	0.2										
107602	244 287	8	< 0.2										
107603	244 287	6	< 0.2										
107604	244 287	8	0.2										
107605	244 287	8	0.2										
107606	244 287	10	0.2										
107607	244 287	6	< 0.2										
107608	244 287	8	< 0.2										
107609	244 287	8	0.2										
107610	244 287	6	0.2										
107611	244 287	8	< 0.2										
107612	244 287	8	0.2										
107613	244 287	10	0.2										
107614	244 287	12	0.2										
107615	244 287	10	0.2										
107616	244 287	6	< 0.2										
107617	244 287	4	0.4										
107618	244 287	6	< 0.2										
107619	244 287	8	0.2										
107620	244 287	6	0.2										
107621	244 287	6	0.2										

CERTIFICATION:

*Hart Buchler*



# 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 : BLK96-01  
Comments: ATTN:D.A. CAULFIELD

Page Number :2  
Total Pages :2  
Certificate Date: 22-MAR-96  
Invoice No. : 19614492  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614492

SAMPLE	PREP CODE	As ppm	Sb ppm								
107622	244 287	8	0.2								
107623	244 287	6	< 0.2								
107624	244 287	8	0.2								
107625	244 287	8	0.4								
107626	244 287	6	0.2								
107627	244 287	6	0.6								
107628	244 287	10	0.2								
107629	244 287	8	1.2								
107630	244 287	10	1.4								
107631	244 287	22	1.0								
107632	244 287	170	1.6								
107633	244 287	26	0.8								
107634	244 287	10	1.0								
107635	244 287	4	1.0								
107636	244 287	8	1.2								
107637	244 287	8	1.2								
107638	244 287	8	1.2								
107639	244 287	6	1.0								
107640	244 287	6	1.2								
107641	244 287	6	1.2								

CERTIFICATION:

*Heidi Buchler*



# Chemex Labs Ltd.

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

Page Number : 1  
Total Pages : 3  
Certificate Date: 22-MAR-96  
Invoice No. : 19614493  
P.O. Number :  
Account : EIA

Project : BLK96-01  
Comments: ATTN: D.A. CAULFIELD

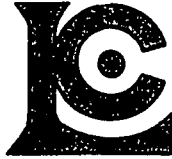
## CERTIFICATE OF ANALYSIS

### A9614493

SAMPLE	PREP CODE	As ppm	Sb ppm										
107642	244 287	6	0.2										
107643	244 287	4	0.2										
107644	244 287	4	0.2										
107645	244 287	10	0.4										
107646	244 287	16	0.4										
107647	244 287	4	0.2										
107648	244 287	10	0.2										
107649	244 287	10	0.2										
107650	244 287	12	< 0.2										
107651	244 287	8	0.2										
107652	244 287	10	0.2										
107653	244 287	10	0.2										
107654	244 287	8	0.2										
107655	244 287	8	0.2										
107656	244 287	20	0.2										
107657	244 287	24	0.2										
107658	244 287	24	0.2										
107659	244 287	24	0.2										
107660	244 287	14	2.2										
107661	244 287	24	0.4										
107662	244 287	350	15.0										
107663	244 287	1300	64										
107664	244 287	440	12.0										
107665	244 287	500	7.4										
107666	244 287	52	1.2										
107667	244 287	14	1.6										
107668	244 287	20	0.4										
107669	244 287	12	0.6										
107670	244 287	24	0.4										
107671	244 287	10	0.6										
107672	244 287	14	0.8										
107673	244 287	24	0.8										
107674	244 287	16	0.8										
107675	244 287	26	0.8										
107676	244 287	14	0.8										
107677	244 287	12	0.8										
107678	244 287	20	0.4										
107679	244 287	22	0.4										
107680	244 287	12	0.6										
107681	244 287	22	0.2										

CERTIFICATION:

*Hank 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: BLK96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 2  
Total Pages : 3  
Certificate Date: 22-MAR-96  
Invoice No. : I9614493  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614493

SAMPLE	PREP CODE	As ppm	Sb ppm										
107682	244 287	20	0.6										
107683	244 287	32	0.4										
107684	244 287	10	0.2										
107685	244 287	4	0.2										
107686	244 287	6	0.2										
107687	244 287	22	0.2										
107688	244 287	20	0.8										
107689	244 287	22	0.4										
107690	244 287	26	0.6										
107691	244 287	32	1.0										
107692	244 287	10	0.6										
107693	244 287	20	1.4										
107694	244 287	12	0.6										
107695	244 287	14	0.6										
107696	244 287	10	0.6										
107697	244 287	4	0.4										
107698	244 287	6	0.4										
107699	244 287	8	0.2										
107700	244 287	12	0.2										
107701	244 287	6	0.6										
107702	244 287	4	< 0.2										
107703	244 287	6	0.2										
107704	244 287	12	< 0.2										
107705	244 287	8	0.6										
107706	244 287	12	0.2										
107707	244 287	12	1.6										
107708	244 287	22	5.2										
107709	244 287	860	24										
107710	244 287	82	3.3										
107711	244 287	2150	33										
107712	244 287	72	7.4										
107713	244 287	14	2.2										
107714	244 287	48	5.8										
107715	244 287	30	2.4										
107716	244 287	10	2.8										
107717	244 287	8	3.0										
107718	244 287	20	9.4										
107719	244 287	4	4.8										
107720	244 287	20	7.0										
107721	244 287	420	32										

CERTIFICATION:

*Hart Bichler*



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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 : BLK96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number :3  
Total Pages :3  
Certificate Date: 22-MAR-96  
Invoice No. :19614493  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS

A9614493

SAMPLE	PREP CODE	As ppm	Sb ppm								
107722	244 287	12	3.2								
107723	244 287	6	2.4								
107724	244 287	6	2.8								
107725	244 287	6	3.0								
107726	244 287	8	2.2								
107727	244 287	6	1.8								
107728	244 287	4	1.4								
107729	244 287	6	1.2								
107730	244 287	2	0.6								
107731	244 287	8	1.8								
107732	244 287	10	1.4								
107733	244 287	26	6.8								
107734	244 287	36	4.6								
107735	244 287	10	1.8								
107736	244 287	6	1.2								
107737	244 287	8	1.2								
107738	244 287	8	1.2								
107739	244 287	8	4.2								
107740	244 287	14	4.6								
107741	244 287	4	2.4								
107742	244 287	46	2.0								
107743	244 287	NotRcd	NotRcd								

CERTIFICATION:

*Hart 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

Project : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number :1  
Total Pages :1  
Certificate Date: 26-MAR-96  
Invoice No. : I9614497  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

### A9614497

SAMPLE	PREP CODE	As ppm	Sb ppm								
107743	244 287	48	1.2								
107744	244 287	8	1.8								
107745	244 287	4	1.4								
107746	244 287	6	0.6								
107747	244 287	8	0.6								
107748	244 287	6	0.8								
107749	244 287	6	1.6								
107750	244 287	10	1.4								
107751	244 287	8	2.8								
107752	244 287	16	2.8								
107753	244 287	12	3.0								
107754	244 287	6	2.4								
107755	244 287	4	1.6								
107756	244 287	4	1.6								
107757	244 287	6	5.8								
107758	244 287	16	7.8								
107759	244 287	14	9.8								
107760	244 287	10	4.0								

CERTIFICATION: Hart Buchler



# Chemex Labs Ltd.

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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 : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

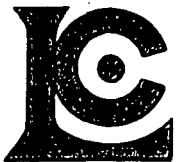
Page Number :1  
Total Pages :1  
Certificate Date: 26-MAR-96  
Invoice No. :19614499  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS A9614499

SAMPLE	PREP CODE	As ppm	Sb ppm								
107761	244 287	50	0.8								
107762	244 287	42	0.8								
107763	244 287	42	1.8								
107764	244 287	30	1.2								
107765	244 287	80	2.0								
107766	244 287	24	1.0								
107767	244 287	20	0.6								
107768	244 287	26	3.6								
107769	244 287	16	0.8								
107770	244 287	72	12.0								
107771	244 287	40	2.4								
107772	244 287	16	1.0								
107773	244 287	22	0.8								
107774	244 287	136	11.5								
107775	244 287	36	2.0								
107776	244 287	114	6.6								
107777	244 287	110	6.0								
107778	244 287	260	12.0								
107779	244 287	40	1.2								
107780	244 287	16	1.0								
107781	244 287	130	4.8								
107782	244 287	820	15.0								
107783	244 287	48	3.2								
107784	244 287	30	1.4								
107785	244 287	182	10.5								
107786	244 287	130	9.4								
107787	244 287	18	1.2								
107788	244 287	10	0.6								

CERTIFICATION: Hart Buchler





# Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project: BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 1  
Total Pages : 1  
Certificate Date: 22-MAR-96  
Invoice No. : I9614495  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614495

SAMPLE	PREP CODE	As ppm	Sb ppm								
107789	244 287	54	2.8								
107790	244 287	30	0.4								
107791	244 287	10	0.4								
107792	244 287	110	1.6								
107793	244 287	66	2.6								
107794	244 287	28	1.0								
107795	244 287	32	2.2								
107796	244 287	32	0.6								
107797	244 287	42	0.6								
107798	244 287	72	1.8								
107799	244 287	32	1.0								
107800	244 287	7450	4.0								
107801	244 287	78	1.2								
107802	244 287	10	0.8								
107803	244 287	20	0.8								
107804	244 287	10	0.6								
107805	244 287	16	1.0								
107806	244 287	30	1.8								
107807	244 287	122	2.8								
107808	244 287	96	2.4								

CERTIFICATION:

*Janet Buchler*



# Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number : 1  
Total Pages : 2  
Certificate Date: 22-MAR-96  
Invoice No. : 19614494  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614494

SAMPLE	PREP CODE	As ppm	Sb ppm								
107809	244 287	16	1.0								
107810	244 287	18	2.0								
107811	244 287	22	1.8								
107812	244 287	38	1.8								
107813	244 287	26	1.8								
107814	244 287	24	1.0								
107815	244 287	20	1.4								
107816	244 287	34	0.8								
107817	244 287	14	1.0								
107818	244 287	10	0.6								
107819	244 287	14	0.8								
107820	244 287	18	1.2								
107821	244 287	32	1.0								
107822	244 287	22	1.4								
107823	244 287	16	2.0								
107824	244 287	56	1.8								
107825	244 287	20	3.2								
107826	244 287	26	1.0								
107827	244 287	24	4.0								
107828	244 287	24	1.6								
107829	244 287	18	0.6								
107830	244 287	20	0.8								
107831	244 287	34	1.8								
107832	244 287	30	1.6								
107833	244 287	40	3.2								
107834	244 287	32	2.2								
107835	244 287	24	1.8								
107836	244 287	54	2.4								
107837	244 287	34	2.0								
107838	244 287	26	2.2								
107839	244 287	30	2.6								
107840	244 287	46	2.6								
107841	244 287	54	1.4								
107842	244 287	38	0.4								
107843	244 287	30	1.2								
107844	244 287	42	0.8								
107845	244 287	58	1.2								
107846	244 287	66	1.2								
107847	244 287	192	16.0								
107848	244 287	112	5.2								

CERTIFICATION:

*Hart Buchler*



# Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number :2  
Total Pages :2  
Certificate Date: 22-MAR-96  
Invoice No. :19614494  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS

A9614494

SAMPLE	PREP CODE		As	Sb																
			ppm	ppm																
107849	244	287		34	1.6															
107850	244	287		202	9.6															
107851	244	287		22	0.8															
107852	244	287		36	0.4															
107853	244	287		28	0.2															
107854	244	287		28	0.2															

CERTIFICATION:

*Hart Bichler*



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

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

Project: BLK 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number :1  
Total Pages :2  
Certificate Date: 26-MAR-96  
Invoice No. :19614496  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS

### A9614496

SAMPLE	PREP CODE	As ppm	Sb ppm								
107855	244 287	34	0.8								
107856	244 287	86	0.6								
107857	244 287	620	1.6								
107858	244 287	720	2.2								
107859	244 287	60	1.2								
107860	244 287	158	1.4								
107861	244 287	640	4.8								
107862	244 287	390	5.4								
107863	244 287	1200	23								
107864	244 287	840	25								
107865	244 287	92	6.8								
107866	244 287	460	79								
107867	244 287	184	12.5								
107868	244 287	424	14.5								
107869	244 287	300	10.0								
107870	244 287	190	11.0								
107871	244 287	570	25								
107872	244 287	138	18.0								
107873	244 287	4750	83								
107874	244 287	1100	55								
107875	244 287	3340	47								
107876	244 287	3200	72								
107877	244 287	680	38								
107878	244 287	390	23								
107879	244 287	5000	100								
107880	244 287	650	59								
107881	244 287	1610	40								
107882	244 287	288	4.0								
107883	244 287	104	1.6								
107884	244 287	124	2.0								
107885	244 287	5100	36								
107886	244 287	22	1.0								
107887	244 287	76	0.4								
107888	244 287	164	0.4								
107889	244 287	300	0.2								
107890	244 287	72	0.4								
107891	244 287	210	0.2								
107892	244 287	40	1.0								
107893	244 287	68	2.0								
107894	244 287	260	1.2								

CERTIFICATION:

*Hart Buchler*



# 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: BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :2  
 Total Pages :2  
 Certificate Date: 26-MAR-96  
 Invoice No. : I9614496  
 P.O. Number :  
 Account : EIA

## CERTIFICATE OF ANALYSIS

### A9614496

SAMPLE	PREP CODE	As ppm	Sb ppm								
107895	244 287	8	0.8								
107896	244 287	20	0.8								
107897	244 287	6	1.0								
107898	244 287	14	1.2								
107899	244 287	20	1.2								
107900	244 287	58	2.8								
107901	244 287	490	17.0								
107902	244 287	22	2.4								
107903	244 287	24	4.4								
107904	244 287	16	2.4								
107905	244 287	10	2.0								
107906	244 287	6	1.4								
107907	244 287	16	1.2								
107908	244 287	22	1.0								
107909	244 287	16	1.6								
107910	244 287	8	0.6								
107911	244 287	10	0.6								
107912	244 287	12	0.8								
107913	244 287	12	0.8								
107914	244 287	24	0.6								
107915	244 287	20	0.8								
107916	244 287	26	1.2								
107917	244 287	24	0.6								
107918	244 287	20	0.8								
107919	244 287	16	1.2								
107920	244 287	196	63								
107921	244 287	20	2.2								
107922	244 287	34	2.4								
107923	244 287	92	3.4								
107924	244 287	42	2.8								
107925	244 287	770	24								
107926	244 287	>10000	650								
107927	244 287	360	24								
107928	244 287	280	19.5								
107929	244 287	24	4.0								
107930	244 287	320	22								
107931	244 287	38	4.2								
107932	244 287	22	0.8								
107933	244 287	12	0.6								

CERTIFICATION:

*Hart Bichler*



# Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

Project : BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number : 1  
 Total Pages : 3  
 Certificate Date: 26-MAR-96  
 Invoice No. : I9614498  
 P.O. Number :  
 Account : EIA

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9614498</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	As ppm	Sb ppm						
107934	244 287	102	5.2						
107935	244 287	90	3.8						
107936	244 287	150	3.8						
107937	244 287	206	10.5						
107938	244 287	216	3.6						
107939	244 287	144	2.8						
107940	244 287	58	1.2						
107941	244 287	46	1.0						
107942	244 287	24	0.8						
107943	244 287	80	1.8						
107944	244 287	20	0.4						
107945	244 287	100	0.8						
107946	244 287	720	4.8						
107947	244 287	58	1.2						
107948	244 287	72	1.0						
107949	244 287	16	0.6						
107950	244 287	10	1.0						
107951	244 287	10	0.8						
107952	244 287	60	1.4						
107953	244 287	102	1.6						
107954	244 287	14	0.8						
107955	244 287	12	0.8						
107956	244 287	12	0.6						
107957	244 287	58	1.2						
107958	244 287	18	0.2						
107959	244 287	14	0.2						
107960	244 287	14	0.2						
107961	244 287	14	0.2						
107962	244 287	34	1.0						
107963	244 287	18	0.4						
107964	244 287	22	0.8						
107965	244 287	18	1.2						
107966	244 287	20	1.6						
107967	244 287	110	2.8						
107968	244 287	120	5.0						
107969	244 287	1150	19.0						
107970	244 287	68	2.4						
107971	244 287	100	2.6						
107972	244 287	104	3.4						
107973	244 287	50	9.0						

CERTIFICATION:

*Handwritten 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 96-01  
Comments: ATTN: D.A. CAULFIELD

Page Number :2  
Total Pages :3  
Certificate Date: 26-MAR-96  
Invoice No. :I9614498  
P.O. Number :  
Account :EIA

## CERTIFICATE OF ANALYSIS A9614498

SAMPLE	PREP CODE	As ppm	Sb ppm										
107974	244 287	48	1.0										
107975	244 287	80	2.6										
107976	244 287	520	10.0										
107977	244 287	354	8.0										
107978	244 287	396	8.4										
107979	244 287	270	4.2										
107980	244 287	100	1.6										
107981	244 287	270	5.2										
107982	244 287	144	3.2										
107983	244 287	730	14.0										
107984	244 287	310	9.8										
107985	244 287	370	12.0										
107986	244 287	176	9.6										
107987	244 287	170	7.2										
107988	244 287	260	6.2										
107989	244 287	82	2.4										
107990	244 287	100	2.8										
107991	244 287	52	1.8										
107992	244 287	30	2.0										
107993	244 287	28	2.4										
107994	244 287	32	1.8										
107995	244 287	68	2.6										
107996	244 287	36	1.4										
107997	244 287	48	1.6										
107998	244 287	58	1.4										
107999	244 287	240	1.0										
108000	244 287	28	0.2										
108001	244 287	18	0.2										
108002	244 287	12	0.2										
108003	244 287	12	0.4										
108004	244 287	18	0.8										
108005	244 287	110	2.6										
108006	244 287	24	0.2										
108007	244 287	22	0.2										
108008	244 287	30	1.2										
108009	244 287	42	1.6										
108010	244 287	36	1.4										
108011	244 287	80	2.6										
108012	244 287	102	3.6										
108013	244 287	42	2.2										

CERTIFICATION: Hart Beckler



# 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 : BLK 96-01  
 Comments: ATTN: D.A. CAULFIELD

Page Number :3  
 Total Pages :3  
 Certificate Date: 26-MAR-96  
 Invoice No. : I9614498  
 P.O. Number :  
 Account : EIA

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9614498</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	As ppm	Sb ppm						
108014	244 287	24	0.2						
108015	244 287	26	0.6						
108016	244 287	20	0.4						
108017	244 287	20	0.4						
108018	244 287	14	0.6						
108019	244 287	42	0.6						
108020	244 287	82	3.8						
108021	244 287	184	2.8						
108022	244 287	98	4.8						
108023	244 287	140	6.0						
108024	244 287	2070	44						
108025	244 287	6700	120						
108026	244 287	720	24						
108027	244 287	124	7.4						
108028	244 287	1110	28						
108029	244 287	>10000	200						
108030	244 287	1300	42						
108031	244 287	1510	40						
108032	244 287	770	46						
108033	244 287	240	9.2						
108034	244 287	68	2.4						
108035	244 287	118	3.2						
108036	244 287	20	1.8						
108037	244 287	160	8.8						
108038	244 287	28	1.0						
108039	244 287	86	3.0						
108040	244 287	104	4.0						
108041	244 287	126	5.0						
108042	244 287	246	3.4						
108043	244 287	20	0.8						
108044	244 287	22	0.6						

CERTIFICATION: Hart Becker





# 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 : BLK96-01  
Comments: ATTN:D. A. CAULFIELD

Page Number :1  
Total Pages :3  
Certificate Date: 26-MAR-96  
Invoice No. : I9614500  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS A9614500

SAMPLE	PREP CODE	As ppm	Sb ppm									
108045	244 287	10	1.8									
108046	244 287	18	0.6									
108047	244 287	20	0.4									
108048	244 287	22	0.4									
108049	244 287	40	0.2									
108050	244 287	8	0.8									
108051	244 287	14	1.6									
108052	244 287	10	0.8									
108053	244 287	2	0.4									
108054	244 287	12	0.8									
108055	244 287	60	1.6									
108056	244 287	12	1.4									
108057	244 287	20	1.0									
108058	244 287	20	1.2									
108059	244 287	20	1.6									
108060	244 287	18	0.8									
108061	244 287	12	0.6									
108062	244 287	4	0.4									
108063	244 287	14	0.8									
108064	244 287	12	1.2									
108065	244 287	32	1.2									
108066	244 287	32	0.8									
108067	244 287	56	1.2									
108068	244 287	20	1.2									
108069	244 287	16	0.8									
108070	244 287	6	0.6									
108071	244 287	14	1.0									
108072	244 287	14	0.8									
108073	244 287	24	1.6									
108074	244 287	24	2.4									
108075	244 287	96	3.6									
108076	244 287	36	4.0									
108077	244 287	38	3.8									
108078	244 287	70	3.0									
108079	244 287	150	4.6									
108080	244 287	42	2.2									
108081	244 287	32	2.4									
108082	244 287	74	4.6									
108083	244 287	690	36									
108084	244 287	82	3.2									

CERTIFICATION:

*Hart 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

Project : BLK96-01  
 Comments: ATTN:D. A. CAULFIELD

Page Number :2  
 Total Pages :3  
 Certificate Date: 26-MAR-96  
 Invoice No. : I9614500  
 P.O. Number :  
 Account : EIA

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9614500</b>
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SAMPLE	PREP CODE	As ppm	Sb ppm						
108085	244 287	50	1.6						
108086	244 287	26	1.2						
108087	244 287	34	2.8						
108088	244 287	22	1.8						
108089	244 287	4	1.0						
108090	244 287	4	0.4						
108091	244 287	14	0.6						
108092	244 287	8	1.8						
108093	244 287	8	2.2						
108094	244 287	60	0.8						
108095	244 287	8	1.0						
108096	244 287	18	1.0						
108097	244 287	18	0.6						
108098	244 287	10	0.8						
108099	244 287	12	0.8						
108100	244 287	6	0.4						
108101	244 287	12	0.4						
108102	244 287	24	0.4						
108103	244 287	20	0.6						
108104	244 287	98	1.8						
108105	244 287	20	0.6						
108106	244 287	4	0.6						
108107	244 287	18	0.8						
108108	244 287	62	0.8						
108109	244 287	34	0.8						
108110	244 287	44	1.0						
108111	244 287	88	1.2						
108112	244 287	66	4.6						
108113	244 287	48	3.6						
108114	244 287	28	2.6						
108115	244 287	30	1.6						
108116	244 287	60	1.8						
108117	244 287	40	3.2						
108118	244 287	34	1.8						
108119	244 287	34	1.6						
108120	244 287	38	1.0						
108121	244 287	10	0.6						
108122	244 287	22	1.6						
108123	244 287	40	1.2						
108124	244 287	216	2.4						

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## CERTIFICATE OF ANALYSIS A9614500

SAMPLE	PREP CODE	As ppm	Sb ppm								
108125	244 287	62	1.4								
108126	244 287	38	1.2								
108127	244 287	24	0.6								
108128	244 287	16	1.0								
108129	244 287	22	1.2								
108130	244 287	18	2.4								
108131	244 287	12	2.0								
108132	244 287	12	2.6								
108133	244 287	44	3.8								
108134	244 287	44	0.8								
108135	244 287	66	1.0								
108136	244 287	74	2.2								
108137	244 287	16	2.8								
108138	244 287	26	2.8								
108139	244 287	6	2.0								
108140	244 287	26	3.0								
108141	244 287	118	3.6								
108142	244 287	16	1.0								
108143	244 287	22	0.6								
108144	244 287	32	1.8								
108145	244 287	60	2.2								
108146	244 287	46	2.2								
108147	244 287	1860	5.0								
108148	244 287	60	3.6								
108149	244 287	54	0.6								
108150	244 287	26	0.6								
108151	244 287	60	2.4								
108152	244 287	144	5.4								
108153	244 287	102	3.0								
108154	244 287	42	2.0								
108155	244 287	28	1.0								
108156	244 287	64	1.6								
108157	244 287	54	1.6								
108158	244 287	142	1.0								
108159	244 287	68	1.0								
108160	244 287	58	1.2								
108161	244 287	32	1.4								
108162	244 287	22	2.4								

CERTIFICATION: *Hart Buchler*



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To: EQUITY ENGINEERING LTD.

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

A9614240

Comments: ATTN: D.A. CAULFIELD

**CERTIFICATE**

**A9614240**

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 96-01  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 20-MAR-96.

## 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 %: Reverse Aqua-Regia digest	AAS	0.01	100.0



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Project : BLK 96-01  
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Page Number : 1  
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Certificate Date: 20-MAR-96  
Invoice No. : I9614240  
P.O. Number :  
Account : EIA

## CERTIFICATE OF ANALYSIS

A9614240

SAMPLE	PREP CODE	Zn %									
107776	244 --	2.44									

CERTIFICATION:

**APPENDIX E**

**GEOLOGIST'S CERTIFICATE**

## GEOLOGIST'S CERTIFICATE

I, David A. Caulfield of 3142 Gambier Avenue, Coquitlam, 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 in part on property work I supervised between January 19 and February 29, 1996, government publications and assessment reports filed with the Province of British Columbia.

DATED at Vancouver, British Columbia, this \_\_\_ day of August, 1996.

David A. Caulfield, P.Ge.