093300

# 1994 GEOLOGICAL REPORT ON THE SCARY 1-20 CLAIMS

Located in the Ogilvie Mountains
Dawson Mining District
NTS 116B/14
64° 52′ North Latitude
139° 25′ West Longitude


-prepared for-
**PENDISLE RESOURCES LTD**

-prepared by-
Robert B. Falls, B.Sc.
Mark E. Baknes, P.Geo.


WORK PERFORMED: August, 1994

DATE OF REPORT: January, 1995

**1994 GEOLOGICAL REPORT ON THE SCARY 1-20 CLAIMS**

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## 1.0 INTRODUCTION

The Scary property, comprising the Scary 1-20 claims, is located in the southern Ogilvie Mountains, approximately 85 kilometres north of Dawson in west central Yukon (Figure 1). This part of the Ogilvie Mountains is cored by the Coal Creek Inlier (Lane, 1992), an oval-shaped and east-trending window of Middle and Late Proterozoic clastic and carbonate rocks that have been penetrated by mineralized breccias and cut by mafic sills and dykes. The geological setting of the southern Ogilvie Mountains is excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits. The Scary property was staked to cover mineralized breccia outcroppings, discovered during regional prospecting.

Geological mapping, prospecting and geochemical sampling were carried out on the Scary property during August of 1994. This work program was conducted jointly by Pamicon Developments Ltd. and Equity Engineering Ltd. for Pendisle Resources Limited. The same companies have been retained to report on the fieldwork.

## 2.0 LIST OF CLAIMS

The Scary property comprises 20 contiguous quartz mineral claims, located in the Dawson Mining District (Figure 2). Government records indicate that the following claims are owned by Mark E. Baknes of Vancouver, British Columbia.

**TABLE 2.0.1**
**CLAIM DATA**

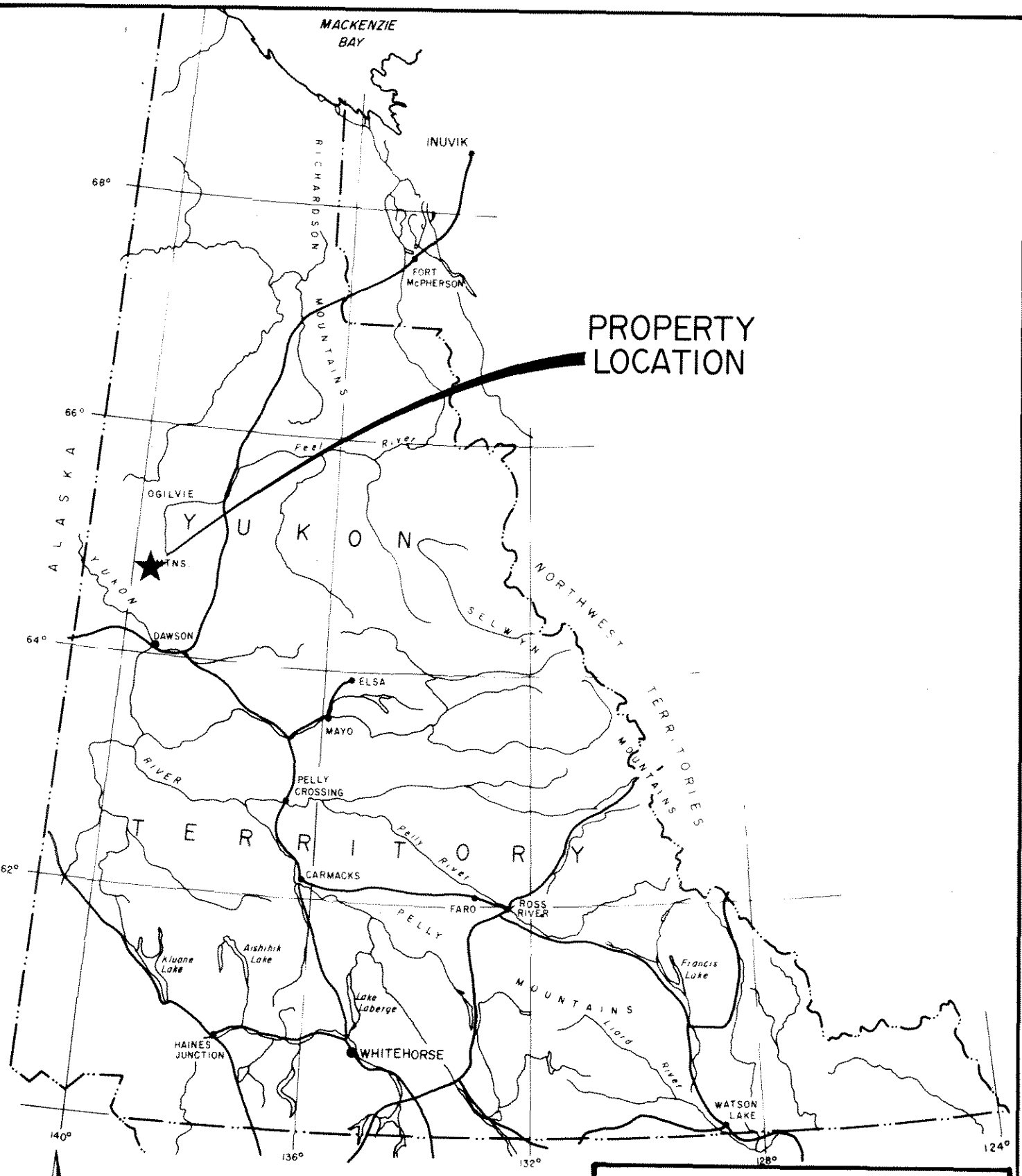
| Claim Name | Record Numbers | Record Date | Expiry Date |
|---|---|---|---|
| Scary 1-20 | YB52487-52506 | Aug. 3, 1994 | Dec. 31, 1995 |

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

## 3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Scary property is located in the southern Ogilvie Mountains of west central Yukon, approximately 85 kilometres north of Dawson (Figure 1). The claims are situated in the Dawson Mining District, centered at 64° 52′ north latitude and 139° 25′ west longitude.

The property lies in the western portion of the southern Ogilvie Mountains approximately 65 kilometres north of the Tintina Trench. This region was unaffected by continental glaciation during the Pleistocene (Lane, 1990) resulting in rounded mountainous terrain. Elevations on the Scary property range from

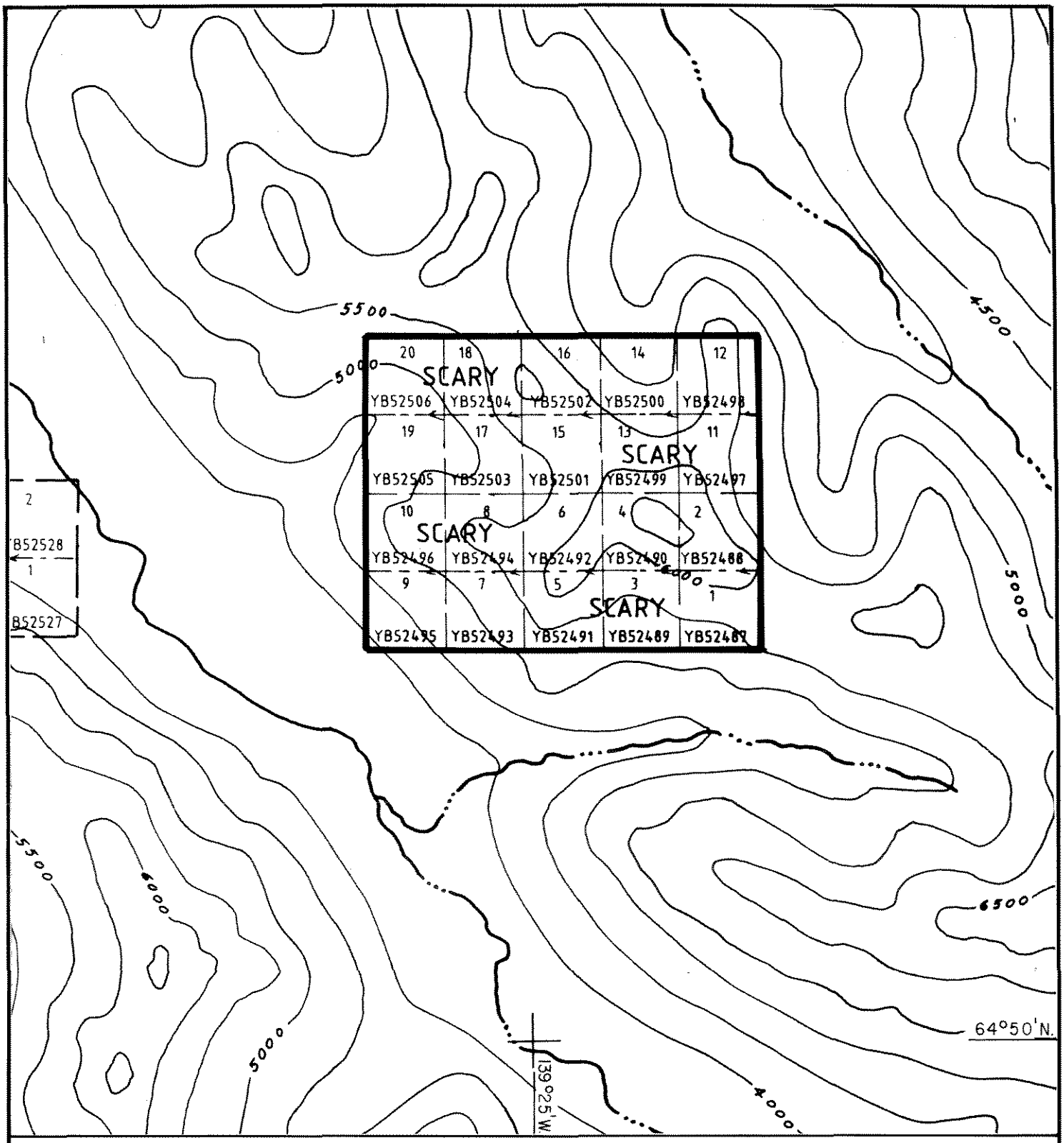



PENDISLE RESOURCES LTD.

# SCARY 1-20 CLAIMS
# LOCATION MAP
YUKON TERRITORY

— PAMICON DEVELOPMENTS LTD. —
— EQUITY ENGINEERING LTD. —

| | | | |
|---|---|---|---|
| DRAWN: | J.W. / R.F. | MINING DIST.: DAWSON | FIGURE 1 |
| N.T.S.: | 116 B/14 | SCALE: 1:500,000 | |
| DATE: | NOV. 1994 | REVISED: | |




0 .5 1 2 3

KILOMETRES

N

PENDISLE RESOURCES LTD.

# SCARY 1-20 CLAIMS
# CLAIM MAP

YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

| | | | |
|---|---|---|---|
| DRAWN: | J.W. | MINING DIST.: DAWSON | FIGURE 2 |
| N.T.S.: | 116 B / 14 | SCALE: AS SHOWN | |
| DATE: | NOV. 1994 | REVISED: | |

1,189 metres (3,900') to 1951 metres (6,400'). The entire area is above tree line and is covered by alpine grasses and shrubs. Thick stands of spruce are found only in the major river valleys within this region.

The Scary property was accessed by helicopter from Dawson during the 1994 field program.

## 4.0 AREA EXPLORATION HISTORY AND 1994 EXPLORATION PROGRAM

### 4.1 Area Exploration History

The most concentrated exploration work in the area was carried out in the mid to late 70's by Hudson Bay, Dynasty, Cyprus Anvil and UMEX/Shell. That work was directed primarily at carbonate-hosted Pb-Zn targets in the Gillespie Lake Group. During that same period, UMEX/Shell conducted work on the breccia-hosted ID, DAS, Rob and Lala occurrences. The results of their geochemical surveys were very encouraging, but the anomalies were never thoroughly followed up. There was no further exploration recorded in the area until the recent staking of the Monster claims and the staking by Placer Dome and Major General of the Lala occurrence. In addition to their assessment of the Lala occurrence, Placer Dome conducted limited silt and rock sampling program in the Monster West and Southwest areas in 1992. In 1993, a preliminary exploration program was carried out by the Monster Joint Venture on the Monster 1-72 claims. The program focused on the two areas, the Monster East and Monster West and consisted of geological mapping, prospecting and soil geochemistry (Caulfield, 1994 a,b). In May of 1994, an additional 193 Monster claims were staked to span the area between the Monster East and West groups and to extend the claims to the southwest to cover known breccia occurrences. The Scary claims were staked during August of 1994.

### 4.2 1994 Exploration Program

During August of 1994, a preliminary exploration program was carried out on the Scary property, consisting of geological mapping, prospecting and geochemical sampling. The program was designed to determine the potential for an Olympic Dam copper-uranium-gold-silver breccia type deposit. Geological mapping was carried out on a scale of 1:10,000 (Figure 4). A total of 13 rock samples and 1 soil sample were taken during the field program (Figure 4). Other rock, silt and soil samples shown on Figure 4 were taken during regional mapping and prospecting, completed prior to the staking of the Scary claims. All rock samples are described in Appendix D, and analytical certificates are attached in Appendix E. Rock samples were analyzed geochemically for gold and by ICP for 24 other elements. Samples exceeding 10,000 ppm copper were assayed. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging.

Soil samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 cm and placed in labelled kraft envelopes. The sample site was marked in the field with plastic flagging and the sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography.

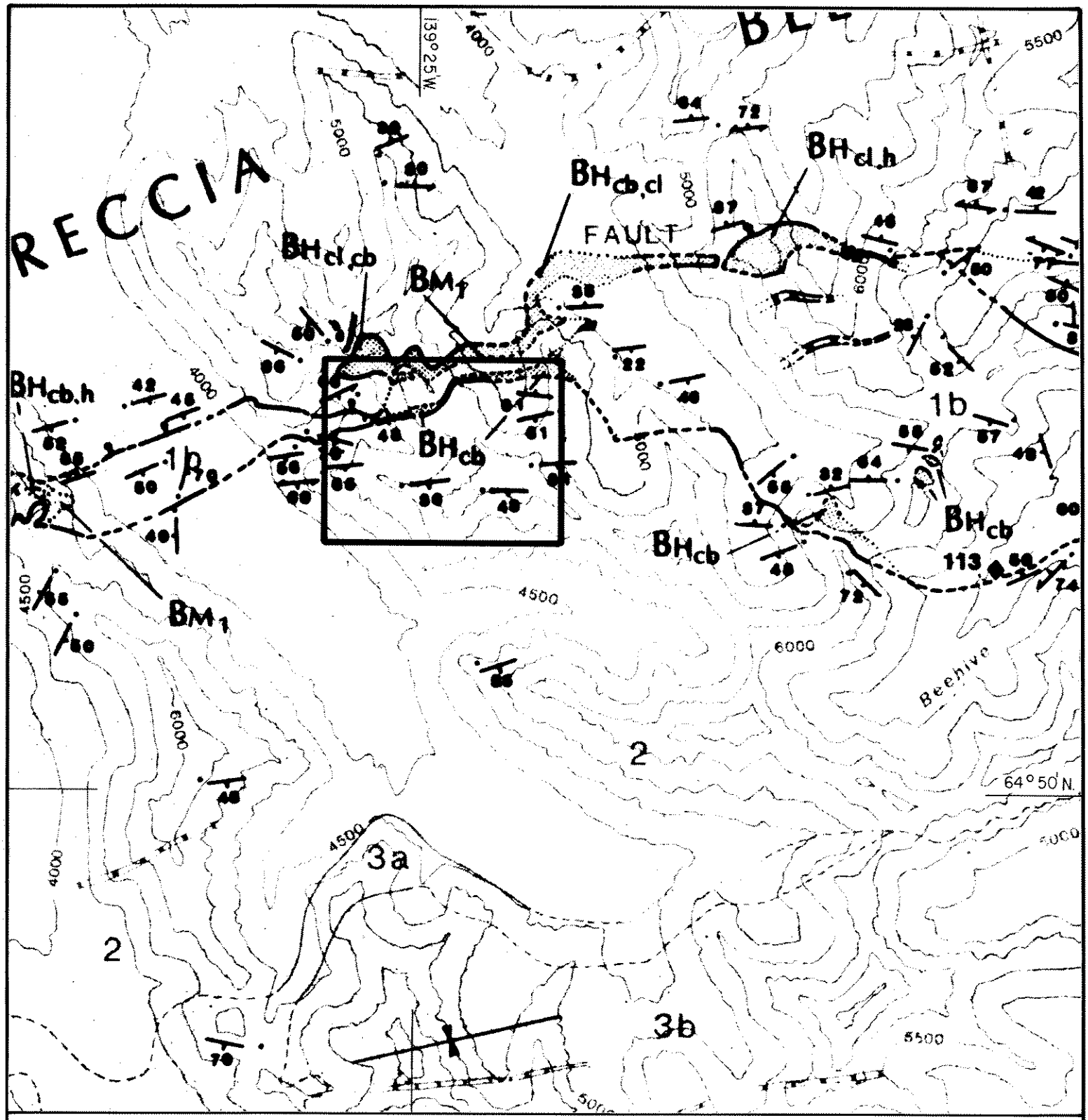
Silt samples were taken from several streams within the region. Samples were placed in labelled kraft envelopes and sample sites were marked in the field with plastic flagging and metal tags. The sampler recorded notes pertaining to stream volume, depth and slope, sample colour and texture, and the petrology of nearby rock. Silt and soil samples were partially dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. Analytical procedures and a complete set of results for gold and 24-elements by ICP geochemistry may be found in the appendices.

## 5.0 REGIONAL GEOLOGY

The Dawson 1:250,000 map sheet (116B) was reconnaissance mapped by the Geological Survey of Canada in 1961 by Green and Roddick and published later in a memoir (Green, 1972). More recently, a smaller area which includes the Scary property, was mapped at 1:50,000 by R. Lane as part of a graduate thesis (Lane, 1990) and later as a government map release (Lane and Godwin, 1992). The Geological Survey of Canada has re-mapped the Dawson map area at a scale of 1:50,000 and this work is scheduled for release soon.

The Middle Proterozoic stratigraphy of the Coal Creek Inlier has been correlated by Lane (1990) to that of the Wernecke Supergroup as defined by Delaney (1985) in the Wernecke Mountains, some 250 kilometres to the east. The Wernecke Supergroup is a thick succession of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by mineralized breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been mapped by Lane (1990) in the Coal Creek Inlier. The Wernecke Supergroup has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. The Scary property is underlain by rocks of the Wernecke Supergroup. To the north, Cambrian to Devonian carbonate and clastic units unconformably overlie the Wernecke Supergroup stratigraphy whereas the Late Proterozoic Fifteenmile Group sediments lie unconformably over it to the south.

The Quartet Group consists of a monotonous succession of fine-grained, interbedded sandstone to siltstone and black argillite (Lane, 1990). Minor limestone and chert pebble conglomerate were noted during the current program. The Gillespie Lake strata




Geology by: Lane and Godwin, 1992

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# SCARY 1-20 CLAIMS

# REGIONAL GEOLOGY

YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

| | | | |
|---|---|---|---|
| DRAWN: J.W. | MINING DIST.: DAWSON | FIGURE 3 |
| N.T.S.: 116 B/14 | SCALE: 1:50,000 | |
| DATE: NOV. 1994 | REVISED: | |

# LEGEND

(to accompany Figure 3)

## STRATIFIED UNITS

**ORDOVICIAN TO DEVONIAN**

8 **Road River Group**
black shale, chert

**EARLY CAMBRIAN TO DEVONIAN**

7 **CDb Formation**
pale grey dolostone

6 **Slats Creek Group**
dolostone, mudstone, sandstone, conglomerate

**MIDDLE TO LATE PROTEROZOIC**

5 **Upper Fifteenmile Group**
dolomitic limestone and dolostone

4 **Lower Fifteenmile Group**
c:mudstone, limestone, sandstone
b:dolostone and dolostone breccia
a:limestone, shale, sandstone, olistoliths

**EARLY? TO MIDDLE PROTEROZOIC**

3 **Gillespie Lake Group**
b:buff-weathering dolostone
a:orange-weathering dolostone

2 **Quartet Group**
sandstone, mudstone, argillite

1 **Fairchild Lake Group**
b:silty dolostone, mudstone, quartzite
a:platey dolomitic limestone

## INTRUSIVE UNITS

**PROTEROZOIC AND YOUNGER**

Mafic dykes

## OGILVIE MOUNTAIN BRECCIAS

**PROTEROZOIC**

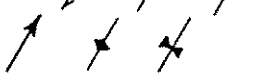
**Heterolithic Breccia**
BHcb:carbonate-rich matrix
BHh:hematite-rich matrix
BHcl:chlorite-rich matrix

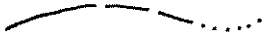
**Monolithic Breccia**
BM1:Fairchild Lake Group fragments
BM2:Quartet Group fragments
BM3:Gillespie Lake Group fragments

**Unclassified Breccia**

## SYMBOLS


Bedding, Foliation, Jointing, Layering


Fold axis, Anticline, Syncline


Contacts (known, approximate, assumed)


Fault (ball denotes side down)


Disrupted bedding

consists of a lower unit of orange-weathering dolostone and an upper unit of grey-weathering dolostone. Mafic, locally amygdaloidal, flows were mapped at the Quartet-Gillespie Lake contact. The Fairchild Lake Group rocks consist predominantly of light grey, dolomitic limestone and pink silty dolostone. The group also includes minor mudstone and quartzite.

Strata of the Wernecke Supergroup are cut by two east-west, fault-related belts of hematite breccias that are enriched in iron, copper, uranium, REE, cobalt and gold. The Scary property straddles the northernmost breccia belt. Lane (1992) has subdivided the breccias into two main groups: homolithic (one clast type) and heterolithic (several clast types). Other breccia types including quartz-specularite breccia, intraformational breccia and rare pebble dykes were identified. Alteration minerals associated with the breccias are hematite (specular and earthy red varieties), carbonate, chlorite, silica and potassium feldspar. Fragments are normally subangular to subrounded and average 1 to 2 centimetres. Wernecke Supergroup strata are the dominant clast lithology with rare igneous, massive specular hematite and quartz vein fragments. The matrix of the breccia is comprised of the alteration minerals listed above and finely fragmented rock. The breccias mostly have steep discordant contacts although bodies following bedding have been mapped by Lane (1992). Maroon mudstone is associated with the breccia as interbeds, and as fragments and matrix of many breccias.

The Wernecke Supergroup and breccia bodies are cut by diorite. Conversely, fragments of the mafic intrusives are also found within the breccia indicating a close genetic relationship between the two. Lane (1990) reported a lead isotope date of 0.9 Ga from mineralization in a crosscutting dyke in a breccia penetrating lower Fifteenmile Group. This remains ambiguous, since Lane did not map dykes intruding Fifteenmile Group strata. These mafic units vary from a fine-grained, amygdaloidal form to medium-to coarse-grained equigranular varieties. Lane (1990) noted that the dykes are amygdaloidal where in contact with breccia bodies.

Proterozoic strata dip away in opposite directions on either side of the northern breccia belt, but bedding attitudes are much more contorted adjacent to the breccia bodies. The trend of the breccia belt follows the axial trace of an anticlinal structure and a steep zone of reverse faulting (Lane, 1990).

## 6.0 PROPERTY GEOLOGY AND MINERALIZATION

### 6.1 Property Geology

Limited mapping on the Scary property indicates that the southern part of the property is underlain by Quartet Group sediments (Unit **Q**), while Fairchild Lake Group rocks (Unit **FL**)

predominate to the north (Figure 4). The Fairchild Lake Group rocks host irregular bodies of Proterozoic breccia (Unit **B**). Minor diorite dykes and sills (Unit **Di**) have intruded all of the rock types. Quartet sediments are the dominant rocks to the north of the property.

The Quartet Group rocks consist of well bedded, black shales (Unit **Qsh**) with minor interbedded siltstones (Unit **Qsl**) and quartzites (Unit **Qqt**). These rocks generally strike east-west with variable dips. The contact with the Fairchild Lake Group rocks to the north is irregular but appears to be somewhat conformable.

The Fairchild Lake Group rocks consist of blocky, pinkish-brown, silty dolostones (Unit **FLdo**). These rocks generally strike northeasterly and dip moderately to steeply towards the southeast. The Fairchild Lake strata host irregular-shaped Proterozoic breccia bodies (Unit **B**). The configuration of the breccia bodies and the boundaries between individual breccia types are poorly exposed and complicated. The breccias have been classified as homolithic, or one clast type (Unit **Bm**) and heterolithic, containing more than one fragment type (Unit **Bt**). The breccias have been further subdivided based on clast and matrix composition.

Both breccia types are matrix-supported with subrounded, altered sediment fragments ranging from 1.0 centimetre to 1.0 metre, but normally averaging less than 5 centimetres. The matrix consists of extremely milled fragments (<2-3 mm.) and hydrothermal minerals including quartz, orthoclase, carbonate, chlorite and specular hematite. These hydrothermal minerals are mainly within the breccia matrix, but also affect the fragments.

Dark green, medium to fine-grained diorite (Unit **Di**) occurs as dykes and sills. In general diorites are equigranular and composed of euhedral plagioclase and interstitial chloritized hornblende, magnetite and trace sulphides. Diorite intrusives have a close spatial, and perhaps, genetic association with breccias.

### 6.2 Mineralization

Several rock samples taken on the Scary property contained copper mineralization. These are summarized in table 6.2.1.

**TABLE 6.2.1**
**SIGNIFICANT ROCK SAMPLES**

| Sample | Type | Gold (ppb) | Silver (ppm) | Copper (ppm) | Cobalt (ppm) | Zinc (ppm) |
|---|---|---|---|---|---|---|
| 596568 | sel/grab | <5 | 2.6 | 1.01% | 29 | 16 |
| 596572 | Sel/Flt | 40 | <0.2 | 14.30% | 168 | 16 |
| 596573 | Grab | <5 | <0.2 | 2838 | 32 | 28 |
| 596773 | Grab | <5 | 0.4 | 924 | 8 | 12 |

Grab sample 596568 consists of chalcopyrite in quartz veinlets within diorite and breccia. Mineralization appears to be related to a narrow zone at the breccia-diorite contact. Float sample 596572 was taken on a ridge in the north-central part of the property. The sampled material was locally derived breccia float containing disseminated to massive chalcopyrite, scattered over a 1 by 3 metre area. Similar material was found in outcrop approximately 50 metres to the southeast. Sample 596573 was taken from a 1 by 1 metre area of disseminated chalcopyrite in breccia.

A major vertical fault, striking east-northeast, has been mapped in the eastern part of the property. A 10 to 20 metre wide zone of strong silica-carbonate-chlorite alteration is associated with the fault. Local disseminated pyrite was observed within the fault zone. Grab sample 596773 was taken from a 50 centimetre wide area within the fault zone containing traces of malachite. Selective grab sample 596568 was taken from an area just north of the Scary property. The sample was taken from spotty chalcopyrite mineralization associated with a narrow diorite dyke.

## 7.0 SOIL GEOCHEMISTRY

A total of 5 soil grab samples were collected in the area surrounding the Scary property (Figure 4). Due to the small number of samples taken, a statistical analysis was not performed. For the purposes of this report, values for gold > 10 ppb, silver > 0.5 ppm, copper > 200 ppm, cobalt > 65 ppm, lead > 100 ppm and zinc > 150 ppm are considered anomalous. Most of the samples showed elevated to anomalous values for one or more of the major base and precious metals. The most notable samples are TBS-1 and TBS-2, which returned anomalous gold values of 30 ppb and 10 ppb, respectively. Sample TBS-2 was also anomalous in lead and showed elevated zinc. Both of these samples were taken in an area 900 metres east of the Scary property. Breccia outcroppings were observed in this area but rock samples returned low values for the major metals. Further prospecting in this area is warranted.

## 8.0 SILT GEOCHEMISTRY

During the 1994 field season, silt samples were taken on the

Scary property and on several other properties within the region. In order to determine the significance of each sample, anomalous levels were established based on a statistical analysis of all of the samples taken within the region (Table 8.0.1). For the purposes of this report, a metal value which exceeds the 85th percentile will be considered anomalous and a value which exceeds the 95th percentile will be considered highly anomalous. The same procedure could not be used for gold and silver as most analytical values for these metals were found to be below detection levels. The anomalous levels used for gold and silver are based on government regional geochemical survey data (Friske et. al., 1991).

**TABLE 8.0.1**
**ANOMALOUS LEVELS FOR SILT GEOCHEMISTRY**

| Percentile | Gold (ppb) | Silver (ppm) | Copper (ppm) | Lead (ppm) | Zinc (ppm) | Cobalt (ppm) |
|---|---|---|---|---|---|---|
| 50th | 3 | 0.1 | 58 | 22 | 110 | 17 |
| 85th | 7 | 0.3 | 113 | 76 | 268 | 30 |
| 95th | 15 | 0.7 | 156 | 114 | 568 | 46 |

The silt sample analyses for the Scary property and surrounding region are listed on the margin of Figure 4. Many of the samples are moderately anomalous in cobalt and some in copper. These anomalies are probably related to sulphide mineralization found within breccia outcroppings on and around the Scary property (Section 6.2). Of particular interest are samples 94RF-10, which returned an anomalous value of 10 ppb gold, and 94RF-11, which returned a highly anomalous value of 20 ppb gold. These samples were taken from separate creeks in the northwestern part of the property. No mineralization was observed in the immediate vicinity of these samples, but chalcopyrite mineralized breccias were sampled upslope to the northeast (Figure 4).

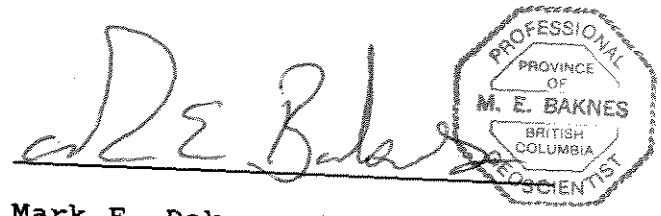
## 9.0 CONCLUSIONS AND RECOMMENDATIONS

The potential for Olympic Dam type deposits has not been thoroughly investigated in the Ogilvie Mountains. Limited exploration on the Scary property has indicated the presence of copper mineralized breccias and indications of associated gold in silts. Results from the preliminary work are favourable and further exploration on the Scary property is warranted.

Respectfully submitted,

Robert Falls

Robert B. Falls, B.Sc.
**EQUITY ENGINEERING LTD.**




Mark E. Baknes, P.Geo.
**EQUITY ENGINEERING LTD.**

Vancouver, British Columbia
January, 1995

# APPENDIX A

## BIBLIOGRAPHY

## BIBLIOGRAPHY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# APPENDIX B

## LIST OF PERSONNEL

## LIST OF PERSONNEL

Robert B. Falls (Geologist)
207, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

Mark J. Malfair (Geologist)
207, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

# APPENDIX C

## STATEMENT OF EXPENDITURES

**STATEMENT OF EXPENDITURES**
**SCARY 1-20 CLAIMS**

**CANADA** ) In the matter of an evaluation program on the
) Scary 1-20 Mineral Claims

I, Mark Baknes for Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geochemical sampling, geological mapping, and prospecting was carried out on the Scary 1-20 Mineral Claims on the date of August 9, 1994.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

| | | |
|---|---|---|
| **PROFESSIONAL FEES AND WAGES:** | | |
| Mark Baknes, P.Geo. | | |
| 0.9591 days @ $400/day | $ 383.62 | |
| Robert Falls, Geologist | | |
| 2.4048 days @ $350/day | 841.67 | |
| Mark Malfair, Geologist | | |
| 2.3334 days @ $225/day | 525.00 | |
| Clerical | | |
| 13.8950 hours @ $20/hour | 277.90 | $ 2,028.19 |
| **EXPENSES:** | | |
| Aircraft Charters | $ 8.48 | |
| Auto Fuel | 2.22 | |
| Camp Food | 8.50 | |
| Chemical Analyses | 310.85 | |
| Courier & Fax | 5.49 | |
| Drafting | 71.17 | |
| Freight | 21.77 | |
| Helicopter Charters | 1,037.85 | |
| Maps and Publications | 1.53 | |
| Materials and Supplies | 20.39 | |
| Meals | 46.52 | |
| Printing & Reproductions | 71.66 | |
| Telephone Distance Charges | 7.94 | |
| Travel | .44 | 1,614.81 |
| **EQUIPMENT RENTALS:** | | |
| 4WD Equity | $ 5.32 | |
| Handheld Radios | 10.00 | |
| Fly Camp | 38.31 | 53.63 |
| **JOINT MOBILIZATION COSTS:** | | 140.56 |
| **MANAGEMENT FEES:** | | |
| 15% on expenses only | | 242.23 |

| | |
|---|---|
| **SUBTOTAL:** | $ 4,079.42 |
| **GST:** | |
| 7% on subtotal | 285.56 |
| **TOTAL:** | **$ 4,364.98** |

Notes:

1. Wages and general expenses (all other costs) are pro rated according to man days allocated to each property.

2. Assay charges are based on actual numbers of samples from the property.

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

Declared before me at Vancouver in the )
Province of British Columbia this )
_____ day of_____, 19____ ) _____

_____
A Commissioner for Oaths for, or
Notary Public for the Yukon Territory

# APPENDIX D

## ROCK SAMPLE DESCRIPTIONS

### MINERALS AND ALTERATION TYPES

| | | | |
|---|---|---|---|
| AB | albite | AD | adularia |
| AK | ankerite | AS | arsenopyrite |
| AZ | azurite | BA | barite |
| BI | biotite | BO | bornite |
| BR | brannerite | CA | calcite |
| CB | Fe-carbonate | CC | chalcocite |
| CL | chlorite | CO | cobaltite |
| CP | chalcopyrite | CY | clay |
| DI | diopside | DO | dolomite |
| EP | epidote | ER | erythrite |
| GA | garnet | GE | goethite |
| GL | galena | GR | graphite |
| HE | earthy hematite | HS | specularite |
| JA | jarosite | KF | potassium feldspar |
| MC | malachite | MG | magnetite |
| MN | Mn-oxides | MR | mariposite |
| MS | muscovite/sericite | NE | neotocite |
| PO | pyrrhotite | PY | pyrite |
| QZ | quartz | SI | silica |
| SP | sphalerite | TT | tetrahedrite |

### ALTERATION INTENSITIES

| | | | | | |
|---|---|---|---|---|---|
| m | medium | s | strong | tr | trace |
| vs | very strong | vw | very weak | w | weak |

Property : SCARY NTS : 116B/14 Date : MARCH 2, 1995

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7191979 N | Type : Grab | Alteration : | | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 576707 E | Strike Length Exp. : 20x20 m | Metallics : | | | | | | | |
| 596517 | Elevation: | 5225 ft | Sample Width : 3 m | Secondaries: | sJA | <5 | 0.2 | 690. | 7. | 36. | 378. |
| | Orientation: | / | True Width : ? m | Host : | Quartzite Shale | | | | | | |

Comments : Hornfels. Sample collected from gossanous zone 20x20m.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7191929 N | Type : Float | Alteration : | sSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577145 E | Strike Length Exp. : m | Metallics : | 1-2%PY | | | | | | |
| 596518 | Elevation: | 5000 ft | Sample Width : m | Secondaries: | sJA | <5 | 0.2 | 290. | 23. | 10. | 66. |
| | Orientation: | / | True Width : m | Host : | Sediments | | | | | | |

Comments : Sample collected from silicified sediments below cliff.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194427 N | Type : Grab | Alteration : | sCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577162 E | Strike Length Exp. : >50 m | Metallics : | >1%PY | | | | | | |
| 596525 | Elevation: | 4850 ft | Sample Width : 10 m | Secondaries: | wHE, wJA | <5 | <0.2 | 440. | 10. | 2. | 14. |
| | Orientation: | / | True Width : ? m | Host : | Breccia | | | | | | |

Comments : Strong carbonate breccia interbedded with dolomite. Sample started on the norhtern contact.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194387 N | Type : Grab | Alteration : | sCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577183 E | Strike Length Exp. : >50 m | Metallics : | >1%PY | | | | | | |
| 596526 | Elevation: | 4900 ft | Sample Width : 15 m | Secondaries: | wHE, wJA | <5 | <0.2 | 350. | 13. | 6. | 18. |
| | Orientation: | / | True Width : ? m | Host : | Breccia | | | | | | |

Comments : Sample collected from south end of breccia zone.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194257 N | Type : Grab | Alteration : | sCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577506 E | Strike Length Exp. : 10x20 m | Metallics : | trCP | | | | | | |
| 596527 | Elevation: | 4650 ft | Sample Width : 10 m | Secondaries: | wJA | <5 | <0.2 | 330. | 20. | 47. | 18. |
| | Orientation: | / | True Width : ? m | Host : | Breccia | | | | | | |

Comments : Breccia is surrounded by dolomite and black shale. Bedding for the shale is 140/60 SW.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194051 N | Type : Grab | Alteration : | sEP, sCL | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 574096 E | Strike Length Exp. : 50 m | Metallics : | 3-5%HS | | | | | | |
| 596565 | Elevation: | 1310 m | Sample Width : 10 cm | Secondaries: | sHE, wGE | <5 | <0.2 | 830. | 32. | 152. | 74. |
| | Bedding : | 108 / 45 S | True Width : 20 m | Host : | Diorite | | | | | | |

Comments : 1-5mm wide carbonate stringers within strongly propylitically altered diorite. Stringers contain platy specularite.
Diorite cuts dolostone and trends 108/45S, probably a sill.

---

| Sample No. | UTM : | 7194072 N | Type : Grab | Alteration : | mSI, mCL, sPX, sSC? | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574108 E | Strike Length Exp. : 10 m | Metallics : | 1%HS | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596566 | Elevation: | 1310 m | Sample Width : 10 cm | Secondaries: | mGE, sHE | <5 | <0.2 | 130. | 18. | 19. | 18. |
| | Bedding : | 108 / 45 S | True Width : 7 m | Host : | Calc-silicate Skarn | | | | | | |

Comments : Px = pyroxene, Sc = scapolite. 1m thick zone of skarnified dolostone marginal to a diorite sill. Sample from upper 10cm adjacent to diorite where hematite is prevalent.

---

| Sample No. | UTM : | 7194594 N | Type : Grab | Alteration : | sCB, mCL | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574476 E | Strike Length Exp. : 10 m | Metallics : | | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596567 | Elevation: | 1550 m | Sample Width : 10 cm | Secondaries: | mGE | <5 | <0.2 | 440. | 8. | 48. | 18. |
| | Orientation: | / | True Width : 1 m | Host : | Homolithic Breccia | | | | | | |

Comments : Probably brecciated and altered dolostone; reddish, angular carbonate-altered fragments in a dolomite-chlorite matrix. Local brecciation in an outcrop of dolomite.

---

| Sample No. | UTM : | 7195039 N | Type : Select Grab | Alteration : | sSI, mCB, mCL | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574255 E | Strike Length Exp. : 2 m | Metallics : | 1%CP | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596568 | Elevation: | 1790 m | Sample Width : 10 cm | Secondaries: | mMC, wAZ | <5 | 2.6 | 500. | 29. | 1.01% | 16. |
| | Orientation: | / | True Width : 1 m | Host : | Heterolithic Breccia with Shale | | | | | | |

Comments : 1m wide zone of disseminated chalcopyrite marginal to a mafic dyke. Host is a highly silicified breccia composed of altered shale fragments in a matrix silica-chlorite-carbonate. Minor copper mineralization in quartz veinlets within the dyke.

---

| Sample No. | UTM : | 7195048 N | Type : Grab | Alteration : | sCB, sCL, mSI, mEP, KF? | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574211 E | Strike Length Exp. : 25 m | Metallics : | trHS | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596569 | Elevation: | 1790 m | Sample Width : m | Secondaries: | sHE, mGE | <5 | <0.2 | 210. | 17. | 66. | 14. |
| | Orientation: | / | True Width : 25 m | Host : | Heterolithic Breccia within Shale | | | | | | |

Comments : Rock consists of 20-30% subangular epidotized sediment fragments in a matrix of chlorite-siderite-ankerite-quartz. Hematitic weathering. Traces of specularite. Composite of entire outcrop.

---

| Sample No. | UTM : | 7194932 N | Type : Grab | Alteration : | sCB, sSI, sEP, mCL | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574426 E | Strike Length Exp. : 100 m | Metallics : | | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596570 | Elevation: | 1800 m | Sample Width : m | Secondaries: | mGE | <5 | <0.2 | 270. | 9. | 20. | 6. |
| | Orientation: | / | True Width : 20 m | Host : | Heterolithic Breccia | | | | | | |

Comments : Heterolithic breccia consisting of hematite-epidote altered clasts in a matrix of carbonate-quartz-epidote-chlorite.

---

| Sample No. | UTM : | 7195145 N | Type : Grab | Alteration : | sSI, sCB, mEP, wCL | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 574718 E | Strike Length Exp. : 20 m | Metallics : | | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 596571 | Elevation: | 1835 m | Sample Width : 10 cm | Secondaries: | mGE, mHE | <5 | <0.2 | 280. | 5. | 12. | 6. |
| | Orientation: | / | True Width : 20 m | Host : | Heterolithic Breccia | | | | | | |

Comments : Hematite and epidote altered subangular clasts in a matrix of carbonate-silica-chlorite.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194751 N | Type : Float/Select | Alteration : | sSI, sCB, sCL | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 574988 E | Strike Length Exp. : m | Metallics : | 30-50%CP | | | | | | |
| 596572 | Elevation: | 1765 m | Sample Width : m | Secondaries: | wMC, wAZ, sGE | 40. | 2.4 | 120. | 168. | 14.30% | 16. |
| | Orientation: | / | True Width : m | Host : | Heterolithic Breccia | | | | | | |

Comments : Float/subcrop containing disseminated to massive chalcopyrite scattered over an area of 3x1m. No mineralization seen in nearby rocks, but it is probably in place. The host is a heterolithic breccia with dominantly carbonate matrix and altered sediments

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194717 N | Type : Grab | Alteration : | sCB, sCL | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575014 E | Strike Length Exp. : >200 m | Metallics : | <1%CP | | | | | | |
| 596573 | Elevation: | 1775 m | Sample Width : 10 cm | Secondaries: | wMC | <5 | <0.2 | 520. | 32. | 2838. | 28. |
| | Orientation: | / | True Width : m | Host : | Heterolithic Breccia | | | | | | |

Comments : Disseminated and patchy chalcopyrite in breccia. Within a vast breccia outcrop that was only observed to be mineralized locally.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194324 N | Type : Grab | Alteration : | sCB, sCL | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575333 E | Strike Length Exp. : 20 m | Metallics : | trHS | | | | | | |
| 596574 | Elevation: | 1790 m | Sample Width : 10 cm | Secondaries: | wGE | <5 | <0.2 | 170. | 8. | 274. | 12. |
| | Orientation: | / | True Width : m | Host : | Heterolithic Breccia | | | | | | |

Comments : Heterolithic breccia consisting of subangular altered sediment clasts in a chlorite-carbonate matrix. Traces of specularite. Width of breccia is >50m.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194326 N | Type : Grab | Alteration : | mCB, sSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 576273 E | Strike Length Exp. : 2 m | Metallics : | CP? | | | | | | |
| 596773 | Elevation: | 1725 m | Sample Width : 10 cm | Secondaries: | mGE, wMC | <5 | 0.4 | 130. | 8. | 924. | 12. |
| | Joint | : 086 / 51 S | True Width : 10 cm | Host : | Silicified slate | | | | | | |

Comments : Sample taken from a minor shear within a wide (>50m), silicified fault zone, with traces of malachite.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194653 N | Type : Grab | Alteration : | sCB, sCL, mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 576275 E | Strike Length Exp. : 20 m | Metallics : | 1%HS | | | | | | |
| 596774 | Elevation: | 1730 m | Sample Width : 10 cm | Secondaries: | mGE | <5 | 0.2 | 260. | 12. | 14. | 14. |
| | Orientation: | 090 / ? | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : Consists of 50% altered, subrounded shale + dolomite clasts in a matrix of carbonate + chlorite. Width of breccia is >50m.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194822 N | Type : Grab | Alteration : | sCB, sCL, mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 576202 E | Strike Length Exp. : >50 m | Metallics : | 1%HS | | | | | | |
| 596775 | Elevation: | 1730 m | Sample Width : 10 cm | Secondaries: | wGE | <5 | <0.2 | 270. | 21. | 11. | 22. |
| | Orientation: | / | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : Consists of 70% altered, subrounded shale + dolostone clasts in a matrix of chlorite + carbonate + quartz. Clast supported breccia with disseminated hematite. Width of breccia is >50m.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194775 N | Type : Grab | Alteration : | sCB, sCL, mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 576167 E | Strike Length Exp. : >50 m | Metallics : | <1%HS | | | | | | |
| 596776 | Elevation: | 1660 m | Sample Width : 10 cm | Secondaries: | wGE | <5 | 0.2 | 180. | 15. | 6. | 12. |
| | Orientation: | / | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : 50% clasts of altered, subrounded shale, dolostone + chert in a dark chlorite-carbonate matrix. Width of zone is >50m.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7194726 N | Type : Grab | Alteration : | sCB, sCL, mQZ | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575746 E | Strike Length Exp. : 10 m | Metallics : | None | | | | | | |
| 596777 | Elevation: | 1450 m | Sample Width : 10 cm | Secondaries: | None | <5 | <0.2 | 210. | 8. | 6. | 6. |
| | Orientation: | / | True Width : 10 m | Host : | Heterolithic breccia | | | | | | |

Comments : Consists of 50% dolostone, shale, cherty clasts in a carbonate-chlorite matrix.

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| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195227 N | Type : Select | Alteration : | sQZ, mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 574754 E | Strike Length Exp. : 5 m | Metallics : | 40%PY | | | | | | |
| 596916 | Elevation: | 1840 m | Sample Width : 2 m | Secondaries: | None | 90. | 1.6 | 30. | 1655. | 353. | 900. |
| | Vein | : 122 / | True Width : m | Host : | Diorite | | | | | | |

Comments : Small pod like veins in a 3m wide gossanous zone on a ridge in a small saddle.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195227 N | Type : Grab | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 574754 E | Strike Length Exp. : 5 m | Metallics : | PY | | | | | | |
| 596917 | Elevation: | 1840 m | Sample Width : 2 m | Secondaries: | None | 5. | 0.4 | 210. | 136. | 75. | 100. |
| | Orientation: | / | True Width : m | Host : | Diorite | | | | | | |

Comments : Grab sample from same location as 596916.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195204 N | Type : Float | Alteration : | sSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 574750 E | Strike Length Exp. : m | Metallics : | 10%PY | | | | | | |
| 596918 | Elevation: | 1840 m | Sample Width : m | Secondaries: | None | <5 | 0.4 | 80. | 182. | 80. | 34. |
| | Orientation: | / | True Width : m | Host : | Silicified siltstone | | | | | | |

Comments : Float 20m below ridge, no outcrop, but has not traveled far.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195031 N | Type : Grab | Alteration : | mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575686 E | Strike Length Exp. : m | Metallics : | 1%PY | | | | | | |
| 596923 | Elevation: | 1370 m | Sample Width : m | Secondaries: | None | <5 | 0.4 | 210. | 56. | 7. | 12. |
| | Orientation: | / | True Width : m | Host : | Homolithic/siltstone breccia | | | | | | |

Comments : Mineralization is fine-grained.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7195054 N | Type : | Float | Alteration : | mSI, mCA | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575587 E | Strike Length Exp. : | m | Metallics : | 10%HS | | | | | | |
| 596960 | Elevation: | 1350 m | Sample Width : | m | Secondaries: | None | <5 | <0.2 | 2970. | 8. | 18. | 30. |
| | Orientation: | / | True Width : | m | Host : | Heterolithic breccia | | | | | | |

Comments : From tributary originating to the west. Fine-grained breccia with calcite veins and hematite.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7195064 N | Type : | Select | Alteration : | sSI, mCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575671 E | Strike Length Exp. : | 3 m | Metallics : | trCP, 5%PY | | | | | | |
| 596961 | Elevation: | 1320 m | Sample Width : | 50 cm | Secondaries: | None | <5 | <0.2 | 70. | 184. | 3. | 4. |
| | Orientation: | / | True Width : | m | Host : | Breccia | | | | | | |

Comments : Ankerite-quartz vein in breccia with silicified siltstone clasts.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7194758 N | Type : | Grab | Alteration : | mCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575761 E | Strike Length Exp. : | 3 m | Metallics : | trHS | | | | | | |
| 596962 | Elevation: | 1380 m | Sample Width : | 1.5 m | Secondaries: | None | <5 | <0.2 | 420. | 19. | 3. | 14. |
| | Orientation: | / | True Width : | m | Host : | Breccia | | | | | | |

Comments : Ankerite altered breccia near creek.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7194705 N | Type : | Grab | Alteration : | sSI, sCB | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575797 E | Strike Length Exp. : | 10 m | Metallics : | trCP, 3%PY | | | | | | |
| 596963 | Elevation: | 1380 m | Sample Width : | 2 m | Secondaries: | None | <5 | <0.2 | 20. | 8. | 1398. | 6. |
| | Orientation: | / | True Width : | m | Host : | Breccia | | | | | | |

Comments : Abundant ankerite in outcrop and subcrop.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7194692 N | Type : | Grab | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575871 E | Strike Length Exp. : | 1 m | Metallics : | 7%HS, trPY | | | | | | |
| 596964 | Elevation: | | Sample Width : | 1.5? m | Secondaries: | None | <5 | <0.2 | 300. | 19. | 9. | 6. |
| | Orientation: | / | True Width : | m | Host : | Breccia | | | | | | |

Comments : A large boulder-like outcrop sticking out of moss on low ridge.

---

| Sample No. | UTM : | | Type : | | Alteration : | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7194586 N | Type : | Select/Grab | Alteration : | sCB, sQZ | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 575508 E | Strike Length Exp. : | 5 m | Metallics : | trHS, trPY | | | | | | |
| 596965 | Elevation: | | Sample Width : | 2? m | Secondaries: | None | <5 | <0.2 | 210. | 39. | 122. | 10. |
| | Orientation: | / | True Width : | m | Host : | Siltstone and slate | | | | | | |

Comments : On a resistive silicified ridge that trends across the valley.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195106 N | Type : Float | Alteration : | mSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577502 E | Strike Length Exp. : m | Metallics : | 10%HS | | | | | | |
| 596966 | Elevation: | 4500 ft | Sample Width : m | Secondaries: | None | <5 | <0.2 | 370. | 11. | 6. | 6. |
| | Orientation: | 115 / 19 S | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : Heterolithic breccia with clasts of mudstone and siltstone. Outcrop of siltstone has bedding at 115/19S.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195357 N | Type : Grab | Alteration : | sCB, wSI | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577638 E | Strike Length Exp. : >20 m | Metallics : | trHS | | | | | | |
| 596967 | Elevation: | 4520 ft | Sample Width : 4 m | Secondaries: | None | <5 | <0.2 | 1700. | 28. | 15. | 62. |
| | Bedding : | 100 / ? ? | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : Heterolithic breccia with clasts of mudstone and siltstone. Followed a train of mineralized talus similar to 596966.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195384 N | Type : Grab | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577640 E | Strike Length Exp. : 3 m | Metallics : | trCP, 2%HS, 2%PY | | | | | | |
| 596968 | Elevation: | 1500 m | Sample Width : 4 m | Secondaries: | None | <5 | <0.2 | 1290. | 41. | 308. | 76. |
| | Orientation: | / | True Width : m | Host : | Diorite in breccia and sediments | | | | | | |

Comments : Diorite with strongly mineralized quartz veins, 1-2cm thick with disseminated pyrite and chalcopyrite. Sample is directly above 596967.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195460 N | Type : Float | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577717 E | Strike Length Exp. : m | Metallics : | 20%HS | | | | | | |
| 596969 | Elevation: | 1570 m | Sample Width : m | Secondaries: | None | <5 | <0.2 | 160. | 21. | 2. | 28. |
| | Orientation: | / | True Width : m | Host : | Breccia | | | | | | |

Comments : In specularite float train leading up a talus slope.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195655 N | Type : Float | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577732 E | Strike Length Exp. : m | Metallics : | 20%HS, trPY | | | | | | |
| 596970 | Elevation: | 1720 m | Sample Width : m | Secondaries: | None | <5 | <0.2 | 700. | 16. | 1. | 12. |
| | Orientation: | / | True Width : m | Host : | Breccia | | | | | | |

Comments : Mineralized float in 80% of rubble over 40 metres. Mineralized float trends 110, possibly subcrop?

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195779 N | Type : Grab? | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577803 E | Strike Length Exp. : 15 m | Metallics : | 10%HS | | | | | | |
| 596971 | Elevation: | 1780 m | Sample Width : 10 m | Secondaries: | None | <5 | <0.2 | 490. | 21. | 7. | 8. |
| | Orientation: | / | True Width : m | Host : | Breccia | | | | | | |

Comments : Outcrop on ridge trends 086.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195794 N | Type : Grab | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577856 E | Strike Length Exp. : 20 m | Metallics : | 10%HS | | | | | | |
| 596972 | Elevation: | 1780 m | Sample Width : 15 m | Secondaries: | None | <5 | <0.2 | 470. | 40. | 14. | 18. |
| | Orientation: | / | True Width : m | Host : | Heterolithic breccia | | | | | | |

Comments : Specularite mineralization continuous from 596971 along ridge Mineralization in disseminations and in small veins.
Sample taken near contact with shale.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7195955 N | Type : Float | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 578007 E | Strike Length Exp. : m | Metallics : | 4%HS | | | | | | |
| 596973 | Elevation: | | Sample Width : m | Secondaries: | None | <5 | <0.2 | 540. | 39. | 24. | 30. |
| | Orientation: | / | True Width : m | Host : | Breccia | | | | | | |

Comments : Float in talus slope below peak, no marker in field.

---

| Sample No. | | | | | | Au | Ag | Ba | Co | Cu | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | UTM : | 7197693 N | Type : Grab | Alteration : | None | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | | 577450 E | Strike Length Exp. : 20 m | Metallics : | trPY | | | | | | |
| 596974 | Elevation: | 1900 m | Sample Width : 20 m | Secondaries: | mHE | <5 | <0.2 | 220. | 30. | 57. | 1066. |
| | Orientation: | / | True Width : m | Host : | Diorite | | | | | | |

Comments : Fe-stained intrusive that outcrops at the summit and periodically on the ridge.

---

# APPENDIX E

## CERTIFICATES OF ANALYSIS

# Chemex Labs Ltd.

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


To: EQUITY ENGINEERING LTD.

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

A9422103

Comments: ATTN: MARK BAKNES

## CERTIFICATE A9422103

EQUITY ENGINEERING LTD.

Project: JR94-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-AUG-94.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 205 | 133 | Geochem ring to approx 150 mesh |
| 226 | 133 | 0-5 lb crush and split |
| 285 | 133 | ICP - HF digestion charge |

## ANALYTICAL PROCEDURES

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION | METHOD | DETECTION LIMIT | UPPER LIMIT |
|---|---|---|---|---|---|
| 100 | 133 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 578 | 133 | Ag ppm: 24 element, rock & core | AAS | 0.2 | 200 |
| 573 | 133 | Al %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 565 | 133 | Ba ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 575 | 133 | Be ppm: 24 element, rock & core | ICP-AES | 0.5 | 1000 |
| 561 | 133 | Bi ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |
| 576 | 133 | Ca %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 562 | 133 | Cd ppm: 24 element, rock & core | ICP-AES | 0.5 | 500 |
| 563 | 133 | Co ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 569 | 133 | Cr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 577 | 133 | Cu ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 566 | 133 | Fe %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 584 | 133 | K %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 570 | 133 | Mg %: 24 element, rock & core | ICP-AES | 0.01 | 15.00 |
| 568 | 133 | Mn ppm: 24 element, rock & core | ICP-AES | 5 | 10000 |
| 554 | 133 | Mo ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 583 | 133 | Na %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 564 | 133 | Ni ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 559 | 133 | P ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 560 | 133 | Pb ppm: 24 element, rock & core | AAS | 2 | 10000 |
| 582 | 133 | Sr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 579 | 133 | Ti %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 572 | 133 | V ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 556 | 133 | W ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 558 | 133 | Zn ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |

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To: EQUITY ENGINEERING LTD.

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

Project : SCARY
Comments: ATTN: MARK BAKNES

Page Number :1-A
Total Pages :2
Certificate Date: 15-AUG-94
Invoice No. :I9422103
P.O. Number :
Account :EIA

## CERTIFICATE OF ANALYSIS A9422103

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 596517 | 205 226 | < 5 | 0.2 | 10.40 | 690 | 1.5 | 8 | 0.11 | 0.5 | 7 | 79 | 36 | 3.86 | 3.63 | 0.64 |
| 596518 | 205 226 | < 5 | 0.2 | 3.89 | 290 | < 0.5 | 2 | 0.04 | < 0.5 | 23 | 103 | 10 | 2.71 | 0.67 | 0.27 |
| 596525 | 205 226 | < 5 | < 0.2 | 5.75 | 440 | 0.5 | < 2 | 5.78 | < 0.5 | 10 | 100 | 2 | 3.18 | 3.24 | 3.72 |
| 596526 | 205 226 | < 5 | < 0.2 | 5.86 | 350 | 0.5 | < 2 | 6.38 | < 0.5 | 13 | 91 | 6 | 3.08 | 3.26 | 4.45 |
| 596527 | 205 226 | < 5 | < 0.2 | 5.70 | 330 | 0.5 | < 2 | 7.31 | < 0.5 | 20 | 81 | 47 | 3.83 | 2.47 | 3.48 |
| 596565 | 205 226 | < 5 | < 0.2 | 7.81 | 830 | 0.5 | < 2 | 1.23 | < 0.5 | 32 | 84 | 152 | 7.36 | 2.43 | 6.26 |
| 596566 | 205 226 | < 5 | < 0.2 | 1.07 | 130 | < 0.5 | < 2 | 2.34 | < 0.5 | 18 | 183 | 19 | 4.88 | 0.06 | 1.11 |
| 596567 | 205 226 | < 5 | < 0.2 | 4.38 | 440 | < 0.5 | < 2 | 6.80 | < 0.5 | 8 | 50 | 48 | 3.09 | 4.11 | 4.21 |
| 596568 | 205 226 | < 5 | 2.6 | 4.42 | 500 | < 0.5 | 2 | 0.63 | < 0.5 | 29 | 139 | >10000 | 3.79 | 3.03 | 1.68 |
| 596569 | 205 226 | < 5 | < 0.2 | 4.23 | 210 | < 0.5 | < 2 | 4.07 | < 0.5 | 17 | 113 | 66 | 3.48 | 2.34 | 3.67 |
| 596570 | 205 226 | < 5 | < 0.2 | 4.06 | 270 | < 0.5 | 4 | 4.45 | < 0.5 | 9 | 115 | 20 | 2.18 | 3.86 | 3.12 |
| 596571 | 205 226 | < 5 | < 0.2 | 3.27 | 280 | < 0.5 | < 2 | 5.99 | < 0.5 | 5 | 107 | 12 | 2.08 | 2.77 | 3.67 |
| 596572 | 205 226 | 40 | 2.4 | 3.05 | 120 | < 0.5 | < 2 | 0.15 | < 0.5 | 168 | 87 | >10000 | 21.8 | 0.23 | 0.73 |
| 596573 | 205 226 | < 5 | < 0.2 | 5.54 | 520 | < 0.5 | < 2 | 2.84 | < 0.5 | 32 | 105 | 2840 | 5.03 | 3.51 | 3.50 |
| 596574 | 205 226 | < 5 | < 0.2 | 5.65 | 170 | < 0.5 | < 2 | 6.62 | < 0.5 | 8 | 94 | 274 | 4.19 | 1.70 | 2.67 |
| 596960 | 205 226 | < 5 | < 0.2 | 5.53 | 2970 | < 0.5 | < 2 | 5.68 | < 0.5 | 8 | 50 | 18 | 3.39 | 5.32 | 2.62 |
| 596961 | 205 226 | < 5 | < 0.2 | 2.21 | 70 | < 0.5 | < 2 | 6.03 | < 0.5 | 184 | 112 | 3 | 3.52 | 0.31 | 3.62 |
| 596962 | 205 226 | < 5 | < 0.2 | 6.48 | 420 | 1.0 | < 2 | 4.47 | < 0.5 | 19 | 56 | 3 | 4.22 | 3.80 | 3.78 |
| 596963 | 205 226 | < 5 | < 0.2 | 1.12 | 20 | < 0.5 | < 2 | 14.70 | < 0.5 | 8 | 38 | 1400 | 2.87 | 0.26 | 9.29 |
| 596964 | 205 226 | < 5 | < 0.2 | 3.66 | 300 | < 0.5 | < 2 | 9.84 | < 0.5 | 19 | 57 | 9 | 3.04 | 2.50 | 5.80 |
| 596965 | 205 226 | < 5 | < 0.2 | 5.20 | 210 | < 0.5 | < 2 | 5.11 | < 0.5 | 39 | 63 | 122 | 4.52 | 2.12 | 3.53 |
| 596966 | 205 226 | < 5 | < 0.2 | 5.45 | 370 | < 0.5 | < 2 | 2.76 | < 0.5 | 11 | 88 | 6 | 4.06 | 3.67 | 2.50 |
| 596967 | 205 226 | < 5 | < 0.2 | 5.62 | 1700 | < 0.5 | < 2 | 8.55 | < 0.5 | 28 | 93 | 15 | 6.36 | 2.87 | 5.18 |
| 596968 | 205 226 | < 5 | < 0.2 | 6.27 | 1290 | < 0.5 | < 2 | 2.95 | < 0.5 | 41 | 126 | 308 | 9.19 | 1.79 | 3.17 |
| 596969 | 205 226 | < 5 | < 0.2 | 5.88 | 160 | < 0.5 | < 2 | 1.22 | < 0.5 | 21 | 97 | 2 | 7.11 | 1.95 | 5.31 |
| 596970 | 205 226 | < 5 | < 0.2 | 6.26 | 700 | < 0.5 | < 2 | 1.85 | < 0.5 | 16 | 86 | 1 | 6.07 | 4.32 | 2.78 |
| 596971 | 205 226 | < 5 | < 0.2 | 5.44 | 490 | < 0.5 | < 2 | 2.40 | < 0.5 | 21 | 120 | 7 | 5.75 | 4.91 | 2.40 |
| 596972 | 205 226 | < 5 | < 0.2 | 5.15 | 470 | < 0.5 | < 2 | 3.13 | < 0.5 | 40 | 122 | 14 | 7.49 | 3.62 | 3.16 |
| 596973 | 205 226 | < 5 | < 0.2 | 4.25 | 540 | < 0.5 | 6 | 1.71 | < 0.5 | 39 | 138 | 24 | 4.63 | 3.48 | 1.35 |
| 596974 | 205 226 | < 5 | < 0.2 | 7.04 | 220 | < 0.5 | < 2 | 2.20 | 1.0 | 30 | 39 | 57 | 9.54 | 0.32 | 2.26 |

CERTIFICATION:

# Chemex Labs Ltd.

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

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

Project : SCARY
Comments: ATTN: MARK BAKNES

Page Number :1-B
Total Pages :2
Certificate Date: 15-AUG-94
Invoice No. :I9422103
P.O. Number :
Account :EIA

## CERTIFICATE OF ANALYSIS A9422103

| 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 596517 | 205 226 | 185 | < 1 | 0.90 | 21 | 210 | 6 | 64 | 0.34 | 84 | < 10 | 378 | | | |
| 596518 | 205 226 | 50 | 1 | 1.89 | 10 | 130 | 10 | 40 | 0.07 | 13 | < 10 | 66 | | | |
| 596525 | 205 226 | 2760 | 1 | 0.54 | 21 | 620 | < 2 | 52 | 0.25 | 65 | < 10 | 14 | | | |
| 596526 | 205 226 | 3380 | 1 | 0.78 | 26 | 860 | < 2 | 39 | 0.25 | 64 | < 10 | 18 | | | |
| 596527 | 205 226 | 2080 | 4 | 1.00 | 27 | 770 | < 2 | 60 | 0.25 | 67 | < 10 | 18 | | | |
| 596565 | 205 226 | 765 | 2 | 1.75 | 39 | 570 | < 2 | 29 | 0.84 | 262 | < 10 | 74 | | | |
| 596566 | 205 226 | 520 | 1 | 0.02 | 14 | 2600 | < 2 | 25 | 0.06 | 41 | < 10 | 18 | | | |
| 596567 | 205 226 | 3100 | 1 | 0.18 | 7 | 920 | < 2 | 51 | 0.20 | 52 | < 10 | 18 | | | |
| 596568 | 205 226 | 675 | 1 | 0.48 | 21 | 330 | < 2 | 15 | 0.11 | 34 | < 10 | 16 | | | |
| 596569 | 205 226 | 3030 | < 1 | 0.13 | 10 | 570 | < 2 | 17 | 0.15 | 55 | < 10 | 14 | | | |
| 596570 | 205 226 | 1930 | 1 | 0.13 | 8 | 700 | < 2 | 24 | 0.16 | 45 | < 10 | 6 | | | |
| 596571 | 205 226 | 2960 | < 1 | 0.08 | 7 | 480 | < 2 | 24 | 0.10 | 42 | < 10 | 6 | | | |
| 596572 | 205 226 | 215 | 3 | 1.71 | 376 | 270 | < 2 | 10 | 0.15 | 53 | 60 | 16 | | | |
| 596573 | 205 226 | 1305 | 1 | 0.22 | 39 | 760 | < 2 | 16 | 0.23 | 118 | < 10 | 28 | | | |
| 596574 | 205 226 | 2290 | < 1 | 2.61 | 15 | 640 | < 2 | 55 | 0.22 | 73 | < 10 | 12 | | | |
| 596960 | 205 226 | 2190 | < 1 | 1.08 | 9 | 820 | < 2 | 41 | 0.22 | 67 | < 10 | 30 | | | |
| 596961 | 205 226 | 2630 | 3 | 1.30 | 28 | 270 | < 2 | 140 | 0.03 | 23 | < 10 | 4 | | | |
| 596962 | 205 226 | 3690 | < 1 | 0.21 | 39 | 860 | < 2 | 18 | 0.29 | 77 | < 10 | 14 | | | |
| 596963 | 205 226 | 4210 | 1 | 0.09 | 11 | 650 | < 2 | 108 | 0.01 | 33 | < 10 | 6 | | | |
| 596964 | 205 226 | 5280 | 1 | 0.08 | 11 | 770 | < 2 | 42 | 0.11 | 43 | < 10 | 6 | | | |
| 596965 | 205 226 | 3360 | 2 | 1.06 | 28 | 710 | < 2 | 26 | 0.22 | 61 | < 10 | 10 | | | |
| 596966 | 205 226 | 1535 | < 1 | 0.20 | 19 | 640 | < 2 | 11 | 0.16 | 121 | < 10 | 6 | | | |
| 596967 | 205 226 | 2470 | < 1 | 0.24 | 39 | 410 | < 2 | 91 | 0.56 | 240 | < 10 | 62 | | | |
| 596968 | 205 226 | 1310 | < 1 | 1.61 | 50 | 600 | < 2 | 154 | 0.84 | 276 | < 10 | 76 | | | |
| 596969 | 205 226 | 635 | < 1 | 0.22 | 40 | 710 | < 2 | 8 | 0.22 | 138 | < 10 | 28 | | | |
| 596970 | 205 226 | 1205 | < 1 | 0.18 | 39 | 750 | < 2 | 13 | 0.18 | 94 | < 10 | 12 | | | |
| 596971 | 205 226 | 935 | 2 | 0.18 | 23 | 640 | < 2 | 17 | 0.17 | 74 | < 10 | 8 | | | |
| 596972 | 205 226 | 2170 | < 1 | 0.19 | 47 | 490 | < 2 | 13 | 0.25 | 148 | < 10 | 18 | | | |
| 596973 | 205 226 | 1990 | 1 | 0.09 | 22 | 530 | < 2 | 14 | 0.14 | 63 | < 10 | 30 | | | |
| 596974 | 205 226 | 3190 | 1 | 3.98 | 15 | 740 | < 2 | 93 | 1.05 | 282 | < 10 | 1065 | | | |

CERTIFICATION:

# Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: EQUITY ENGINEERING LTD.

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

Project : SCARY
Comments: ATTN: MARK BAKNES

Page Number : 1
Total Pages : 1
Certificate Date: 21-OCT-94
Invoice No. : 19429156
P.O. Number :
Account : EIA

## CERTIFICATE OF ANALYSIS A9429156

| SAMPLE | PREP CODE | Cu % % |
|---|---|---|
| 596568 | 244 -- | 1.01 |
| 596572 | 244 -- | 14.30 |

CERTIFICATION: _____

# Chemex Labs Ltd.

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PHONE: 604-984-0221


To: EQUITY ENGINEERING LTD.

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

A9422126

Comments: ATTN: MARK BAKNES

## CERTIFICATE A9422126

EQUITY ENGINEERING LTD.

Project: JR94-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-AUG-94.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 201 | 61 | Dry, sieve to -80 mesh |
| 203 | 12 | Dry, sieve to -35 mesh |
| 205 | 12 | Geochem ring to approx 150 mesh |
| 285 | 73 | ICP - HF digestion charge |

## ANALYTICAL PROCEDURES

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION | METHOD | DETECTION LIMIT | UPPER LIMIT |
|---|---|---|---|---|---|
| 100 | 73 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 578 | 73 | Ag ppm: 24 element, rock & core | AAS | 0.2 | 200 |
| 573 | 73 | Al %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 565 | 73 | Ba ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 575 | 73 | Be ppm: 24 element, rock & core | ICP-AES | 0.5 | 1000 |
| 561 | 73 | Bi ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |
| 576 | 73 | Ca %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 562 | 73 | Cd ppm: 24 element, rock & core | ICP-AES | 0.5 | 500 |
| 563 | 73 | Co ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 569 | 73 | Cr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 577 | 73 | Cu ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 566 | 73 | Fe %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 584 | 73 | K %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 570 | 73 | Mg %: 24 element, rock & core | ICP-AES | 0.01 | 15.00 |
| 568 | 73 | Mn ppm: 24 element, rock & core | ICP-AES | 5 | 10000 |
| 554 | 73 | Mo ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 583 | 73 | Na %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 564 | 73 | Ni ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 559 | 73 | P ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 560 | 73 | Pb ppm: 24 element, rock & core | AAS | 2 | 10000 |
| 582 | 73 | Sr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 579 | 73 | Ti %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 572 | 73 | V ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 556 | 73 | W ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 558 | 73 | Zn ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |

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

Project : SCARY
Comments: ATTN: MARK BAKNES


Certificate Date: 13-AUG-94
Invoice No. :I9422126
P.O. Number :
Account :EIA

## CERTIFICATE OF ANALYSIS A9422126

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB 94S-1 | 201 | 285 | 30 | < 0.2 | 6.47 | 1480 | 1.0 | < 2 | 2.54 | < 0.5 | 15 | 52 | 53 | 5.49 | 2.61 | 2.00 |
| TB 94S-2 | 201 | 285 | 10 | < 0.2 | 3.68 | 1220 | 0.5 | < 2 | 7.77 | < 0.5 | 21 | 31 | 42 | 4.71 | 1.52 | 5.11 |
| TB 94S-3 | 201 | 285 | < 5 | 0.2 | 6.51 | 5230 | 1.5 | < 2 | 0.55 | < 0.5 | 55 | 56 | 183 | 5.36 | 2.13 | 1.26 |
| 94MM-S02 | 201 | 285 | < 5 | < 0.2 | 7.51 | 740 | 2.0 | < 2 | 0.52 | < 0.5 | 21 | 66 | 49 | 3.59 | 2.55 | 0.77 |
| 94RF-08 | 201 | 285 | < 5 | < 0.2 | 6.27 | 3290 | 1.5 | < 2 | 1.52 | < 0.5 | 23 | 56 | 64 | 3.74 | 2.77 | 1.63 |
| 94RF-09 | 203 | 205 | 5 | < 0.2 | 8.00 | 1400 | 2.0 | 8 | 0.44 | < 0.5 | 18 | 92 | 59 | 3.62 | 3.04 | 0.95 |
| 94RF-10 | 201 | 285 | 10 | < 0.2 | 8.79 | 700 | 2.5 | 6 | 0.17 | < 0.5 | 17 | 72 | 67 | 3.86 | 3.89 | 0.77 |
| 94RF-11 | 201 | 285 | 20 | < 0.2 | 5.84 | 3060 | 1.0 | < 2 | 2.48 | < 0.5 | 21 | 52 | 58 | 3.82 | 2.75 | 2.15 |
| TB94-35 | 201 | 285 | < 5 | < 0.2 | 8.90 | 970 | 3.5 | 4 | 0.40 | < 0.5 | 30 | 70 | 107 | 4.23 | 3.24 | 0.79 |
| TB94-36 | 201 | 285 | < 5 | < 0.2 | 8.36 | 1050 | 3.0 | 4 | 0.65 | < 0.5 | 33 | 69 | 135 | 4.31 | 2.84 | 0.96 |
| TB94-37 | 201 | 285 | < 5 | < 0.2 | 8.84 | 820 | 2.0 | 6 | 0.36 | < 0.5 | 30 | 70 | 89 | 4.22 | 3.21 | 0.72 |
| TB94-38 | 201 | 285 | < 5 | < 0.2 | 9.02 | 1090 | 2.5 | 4 | 0.48 | < 0.5 | 31 | 76 | 98 | 4.30 | 3.18 | 0.86 |
| TB94-40 | 201 | 285 | < 5 | < 0.2 | 4.58 | 900 | < 0.5 | < 2 | 3.57 | < 0.5 | 13 | 28 | 31 | 3.07 | 4.25 | 2.38 |
| 94MM-08 | 203 | 205 | < 5 | < 0.2 | 8.86 | 1040 | 1.5 | 4 | 0.17 | < 0.5 | 19 | 116 | 68 | 3.28 | 4.21 | 0.97 |
| 94MM-09 | 201 | 285 | < 5 | < 0.2 | 7.36 | 1430 | 1.5 | 8 | 0.85 | < 0.5 | 33 | 56 | 93 | 4.96 | 3.08 | 1.32 |
| 94MM-10 | 201 | 285 | < 5 | < 0.2 | 6.40 | 1050 | 1.5 | 6 | 0.80 | < 0.5 | 48 | 50 | 97 | 6.70 | 2.56 | 1.06 |
| 94MM-11 | 201 | 285 | < 5 | < 0.2 | 7.24 | 1430 | 1.5 | 2 | 0.59 | < 0.5 | 36 | 59 | 115 | 5.67 | 2.68 | 0.97 |
| 94MM-12 | 201 | 285 | < 5 | < 0.2 | 5.10 | 870 | < 0.5 | < 2 | 2.55 | < 0.5 | 16 | 36 | 49 | 3.31 | 3.91 | 2.19 |
| 94MM-13 | 203 | 205 | < 5 | < 0.2 | 9.43 | 660 | 1.5 | 2 | 0.30 | < 0.5 | 20 | 103 | 63 | 4.61 | 3.61 | 1.69 |

CERTIFICATION:

# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

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

Project : SCARY
Comments: ATTN: MARK BAKNES


Certificate Date: 13-AUG-94
Invoice No. : I9422126
P.O. Number :
Account : EIA

## CERTIFICATE OF ANALYSIS A9422126

| 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB 94S-1 | 201 | 285 | 6320 | 5 | 0.88 | 21 | 1170 | 6 | 50 | 0.32 | 81 | < 10 | 48 | | | |
| TB 94S-2 | 201 | 285 | 6480 | 3 | 0.33 | 21 | 1470 | 130 | 52 | 0.19 | 53 | < 10 | 112 | | | |
| TB 94S-3 | 201 | 285 | 4410 | 3 | 0.61 | 30 | 1150 | 22 | 80 | 0.30 | 68 | < 10 | 40 | | | |
| 94MM-S02 | 201 | 285 | 1610 | 1 | 0.93 | 19 | 550 | 34 | 94 | 0.37 | 81 | < 10 | 82 | | | |
| 94RF-08 | 201 | 285 | 2600 | 1 | 0.62 | 19 | 850 | < 2 | 41 | 0.31 | 72 | < 10 | 32 | | | |
| 94RF-09 | 203 | 205 | 980 | 1 | 0.69 | 20 | 680 | 2 | 56 | 0.37 | 89 | < 10 | 46 | | | |
| 94RF-10 | 201 | 285 | 2520 | 3 | 0.58 | 21 | 400 | 2 | 19 | 0.35 | 78 | < 10 | 24 | | | |
| 94RF-11 | 201 | 285 | 4040 | 2 | 0.74 | 18 | 950 | < 2 | 53 | 0.28 | 70 | < 10 | 38 | | | |
| TB94-35 | 201 | 285 | 1530 | 2 | 0.85 | 22 | 570 | 28 | 80 | 0.36 | 85 | < 10 | 58 | | | |
| TB94-36 | 201 | 285 | 1445 | 2 | 1.06 | 24 | 570 | 36 | 110 | 0.38 | 88 | < 10 | 66 | | | |
| TB94-37 | 201 | 285 | 1245 | 2 | 0.83 | 24 | 530 | 20 | 73 | 0.37 | 86 | < 10 | 46 | | | |
| TB94-38 | 201 | 285 | 1470 | 1 | 0.86 | 27 | 700 | 40 | 80 | 0.34 | 93 | < 10 | 66 | | | |
| TB94-40 | 201 | 285 | 3060 | < 1 | 0.31 | 13 | 1100 | 26 | 42 | 0.21 | 49 | < 10 | 64 | | | |
| 94MM-08 | 203 | 205 | 1795 | < 1 | 0.50 | 21 | 300 | 2 | 16 | 0.38 | 83 | < 10 | 54 | | | |
| 94MM-09 | 201 | 285 | 5540 | 3 | 0.69 | 30 | 1100 | 6 | 49 | 0.26 | 75 | < 10 | 64 | | | |
| 94MM-10 | 201 | 285 | 5750 | 4 | 0.61 | 34 | 1360 | 22 | 53 | 0.23 | 66 | < 10 | 70 | | | |
| 94MM-11 | 201 | 285 | 5640 | 4 | 0.78 | 27 | 880 | 14 | 63 | 0.29 | 72 | < 10 | 102 | | | |
| 94MM-12 | 201 | 285 | 3530 | 1 | 0.49 | 19 | 1300 | 4 | 68 | 0.19 | 68 | < 10 | 44 | | | |
| 94MM-13 | 203 | 205 | 815 | < 1 | 1.02 | 26 | 280 | 12 | 33 | 0.45 | 126 | < 10 | 150 | | | |

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To: EQUITY ENGINEERING LTD.

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

A9424206

Comments: ATTN: M. BAKNES

## CERTIFICATE A9424206

(EIA ) - EQUITY ENGINEERING LTD.

Project: JR94-02 SCARY
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-94.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 201 | 1 | Dry, sieve to -80 mesh |
| 285 | 1 | ICP - HF digestion charge |

## ANALYTICAL PROCEDURES

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION | METHOD | DETECTION LIMIT | UPPER LIMIT |
|---|---|---|---|---|---|
| 100 | 1 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 578 | 1 | Ag ppm: 24 element, rock & core | AAS | 0.2 | 200 |
| 573 | 1 | Al %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 565 | 1 | Ba ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 575 | 1 | Be ppm: 24 element, rock & core | ICP-AES | 0.5 | 1000 |
| 561 | 1 | Bi ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |
| 576 | 1 | Ca %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 562 | 1 | Cd ppm: 24 element, rock & core | ICP-AES | 0.5 | 500 |
| 563 | 1 | Co ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 569 | 1 | Cr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 577 | 1 | Cu ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 566 | 1 | Fe %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 584 | 1 | K %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 570 | 1 | Mg %: 24 element, rock & core | ICP-AES | 0.01 | 15.00 |
| 568 | 1 | Mn ppm: 24 element, rock & core | ICP-AES | 5 | 10000 |
| 554 | 1 | Mo ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 583 | 1 | Na %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 564 | 1 | Ni ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 559 | 1 | P ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 560 | 1 | Pb ppm: 24 element, rock & core | AAS | 2 | 10000 |
| 582 | 1 | Sr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 579 | 1 | Ti %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 572 | 1 | V ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 556 | 1 | W ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 558 | 1 | Zn ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |

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To: EQUITY ENGINEERING LTD.

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

Project : JR94-02 SCARY
Comments: ATTN: M. BAKNES

Page Number : 1-A
Total Pages : 1
Certificate Date: 12-SEP-94
Invoice No. : I9424206
P.O. Number :
Account : EIA

## CERTIFICATE OF ANALYSIS A9424206

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94MM-S-45 | 201 | 285 | < 5 | < 0.2 | 6.74 | 1130 | 3.5 | < 2 | 0.51 | < 0.5 | 48 | 56 | 179 | 9.17 | 2.57 | 0.85 |

CERTIFICATION: _____

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Project : JR94-02 SCARY
Comments: ATTN: M. BAKNES

Page Number : 1-B
Total Pages : 1
Certificate Date: 12-SEP-94
Invoice No. : I9424206
P.O. Number :
Account : EIA

## CERTIFICATE OF ANALYSIS A9424206

| 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94MM-S-45 | 201 | 285 | >10000 | 2 | 0.56 | 20 | 470 | 4 | 66 | 0.25 | 72 | < 10 | 40 | | | |

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

A9424207

Comments: ATTN: M. BAKNES

## CERTIFICATE A9424207

(EIA ) - EQUITY ENGINEERING LTD.

Project: JR94-02 SCARY
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-SEP-94.

## SAMPLE PREPARATION

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION |
|---|---|---|
| 205 | 13 | Geochem ring to approx 150 mesh |
| 294 | 13 | Crush and split (6-10 pounds) |
| 285 | 13 | ICP - HF digestion charge |

## ANALYTICAL PROCEDURES

| CHEMEX CODE | NUMBER SAMPLES | DESCRIPTION | METHOD | DETECTION LIMIT | UPPER LIMIT |
|---|---|---|---|---|---|
| 100 | 13 | Au ppb: Fuse 10 g sample | FA-AAS | 5 | 10000 |
| 578 | 13 | Ag ppm: 24 element, rock & core | AAS | 0.2 | 200 |
| 573 | 13 | Al %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 565 | 13 | Ba ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 575 | 13 | Be ppm: 24 element, rock & core | ICP-AES | 0.5 | 1000 |
| 561 | 13 | Bi ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |
| 576 | 13 | Ca %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 562 | 13 | Cd ppm: 24 element, rock & core | ICP-AES | 0.5 | 500 |
| 563 | 13 | Co ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 569 | 13 | Cr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 577 | 13 | Cu ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 566 | 13 | Fe %: 24 element, rock & core | ICP-AES | 0.01 | 25.0 |
| 584 | 13 | K %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 570 | 13 | Mg %: 24 element, rock & core | ICP-AES | 0.01 | 15.00 |
| 568 | 13 | Mn ppm: 24 element, rock & core | ICP-AES | 5 | 10000 |
| 554 | 13 | Mo ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 583 | 13 | Na %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 564 | 13 | Ni ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 559 | 13 | P ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 560 | 13 | Pb ppm: 24 element, rock & core | AAS | 2 | 10000 |
| 582 | 13 | Sr ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 579 | 13 | Ti %: 24 element, rock & core | ICP-AES | 0.01 | 10.00 |
| 572 | 13 | V ppm: 24 element, rock & core | ICP-AES | 1 | 10000 |
| 556 | 13 | W ppm: 24 element, rock & core | ICP-AES | 10 | 10000 |
| 558 | 13 | Zn ppm: 24 element, rock & core | ICP-AES | 2 | 10000 |

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Project : JR94-02 SCARY
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Page Number :1-A
Total Pages :1
Certificate Date: 10-SEP-94
Invoice No. :I9424207
P.O. Number :
Account :EIA

## CERTIFICATE OF ANALYSIS A9424207

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 596773 | 205 | 294 | < 5 | 0.4 | 0.54 | 130 | < 0.5 | < 2 | 1.34 | < 0.5 | 8 | 225 | 924 | 2.12 | 0.07 | 0.45 |
| 596774 | 205 | 294 | < 5 | 0.2 | 4.14 | 260 | 0.5 | < 2 | 5.03 | < 0.5 | 12 | 114 | 14 | 3.23 | 2.85 | 3.55 |
| 596775 | 205 | 294 | < 5 | < 0.2 | 6.57 | 270 | 1.0 | < 2 | 3.25 | < 0.5 | 21 | 112 | 11 | 4.41 | 3.34 | 2.74 |
| 596776 | 205 | 294 | < 5 | 0.2 | 5.68 | 180 | 0.5 | < 2 | 4.25 | < 0.5 | 15 | 90 | 6 | 3.85 | 2.37 | 3.45 |
| 596777 | 205 | 294 | < 5 | < 0.2 | 4.24 | 210 | 0.5 | < 2 | 3.58 | < 0.5 | 8 | 209 | 6 | 2.65 | 2.33 | 2.24 |
| 596916 | 205 | 294 | 90 | 1.6 | 1.94 | 30 | < 0.5 | 20 | 0.13 | 2.0 | 1655 | 168 | 353 | >25.0 | 0.09 | 1.22 |
| 596917 | 205 | 294 | 5 | 0.4 | 7.07 | 210 | < 0.5 | < 2 | 0.65 | < 0.5 | 136 | 127 | 75 | 13.65 | 0.48 | 4.08 |
| 596918 | 205 | 294 | < 5 | 0.4 | 2.81 | 80 | < 0.5 | 6 | 0.04 | < 0.5 | 182 | 240 | 80 | 6.96 | 0.10 | 0.79 |
| 596919 | 205 | 294 | < 5 | 0.2 | 4.94 | 480 | 1.0 | < 2 | 6.55 | < 0.5 | 21 | 141 | 7 | 3.71 | 2.62 | 3.56 |
| 596920 | 205 | 294 | < 5 | 0.4 | 6.34 | 360 | 1.5 | 4 | 2.96 | < 0.5 | 18 | 115 | 6 | 4.21 | 3.19 | 2.93 |
| 596921 | 205 | 294 | < 5 | 0.4 | 5.42 | 380 | 1.0 | 4 | 3.86 | < 0.5 | 15 | 111 | 6 | 4.62 | 3.32 | 2.72 |
| 596922 | 205 | 294 | 10 | < 0.2 | 4.57 | 380 | 0.5 | 2 | 0.10 | < 0.5 | 23 | 112 | 32 | 3.20 | 0.75 | 0.66 |
| 596923 | 205 | 294 | < 5 | 0.4 | 5.35 | 210 | 1.0 | 2 | 7.01 | < 0.5 | 56 | 70 | 7 | 2.44 | 2.07 | 3.77 |

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Page Number : 1-B
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Certificate Date: 10-SEP-94
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## CERTIFICATE OF ANALYSIS A9424207

| 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 596773 | 205 | 294 | 1285 | < 1 | 0.04 | 9 | 150 | < 2 | 8 | 0.01 | 13 | < 10 | 12 | | | |
| 596774 | 205 | 294 | 1775 | < 1 | 0.19 | 34 | 640 | < 2 | 21 | 0.23 | 64 | < 10 | 14 | | | |
| 596775 | 205 | 294 | 2230 | 1 | 1.13 | 51 | 820 | < 2 | 34 | 0.30 | 80 | < 10 | 22 | | | |
| 596776 | 205 | 294 | 2310 | < 1 | 1.43 | 33 | 790 | < 2 | 27 | 0.26 | 75 | < 10 | 12 | | | |
| 596777 | 205 | 294 | 2040 | < 1 | 0.17 | 12 | 570 | < 2 | 12 | 0.22 | 59 | < 10 | 6 | | | |
| 596916 | 205 | 294 | 545 | 5 | 0.11 | 1365 | 40 | 270 | 2 | 0.07 | 74 | < 10 | 900 | | | |
| 596917 | 205 | 294 | 1800 | < 1 | 1.14 | 158 | 380 | 12 | 22 | 0.48 | 272 | < 10 | 100 | | | |
| 596918 | 205 | 294 | 180 | 2 | 1.31 | 61 | 110 | 16 | 7 | 0.09 | 18 | < 10 | 34 | | | |
| 596919 | 205 | 294 | 2980 | < 1 | 0.47 | 17 | 670 | < 2 | 40 | 0.20 | 63 | < 10 | 4 | | | |
| 596920 | 205 | 294 | 995 | < 1 | 0.21 | 34 | 760 | < 2 | 14 | 0.31 | 98 | < 10 | 16 | | | |
| 596921 | 205 | 294 | 1795 | < 1 | 0.20 | 18 | 670 | < 2 | 18 | 0.22 | 91 | < 10 | 8 | | | |
| 596922 | 205 | 294 | 255 | 1 | 1.63 | 16 | 150 | < 2 | 22 | 0.14 | 33 | < 10 | 14 | | | |
| 596923 | 205 | 294 | 3620 | < 1 | 1.33 | 15 | 1040 | < 2 | 26 | 0.22 | 62 | < 10 | 12 | | | |

CERTIFICATION: _____

# APPENDIX F

## GEOLOGIST'S CERTIFICATE

## GEOLOGIST'S CERTIFICATE

I, MARK E. BAKNES, of 4355 St. Catherines Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

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

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

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

4. THAT this report is based on fieldwork carried out under my direction in August 1994, government publications and assessment reports filed with the Yukon. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 27th day of February, 1995.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. E. BAKNES
GEOSCIENTIST

Mark E. Baknes, P.Geo.

## GEOLOGIST'S CERTIFICATE

I, Robert B. Falls, of 103 - 2181 Panorama Drive, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

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

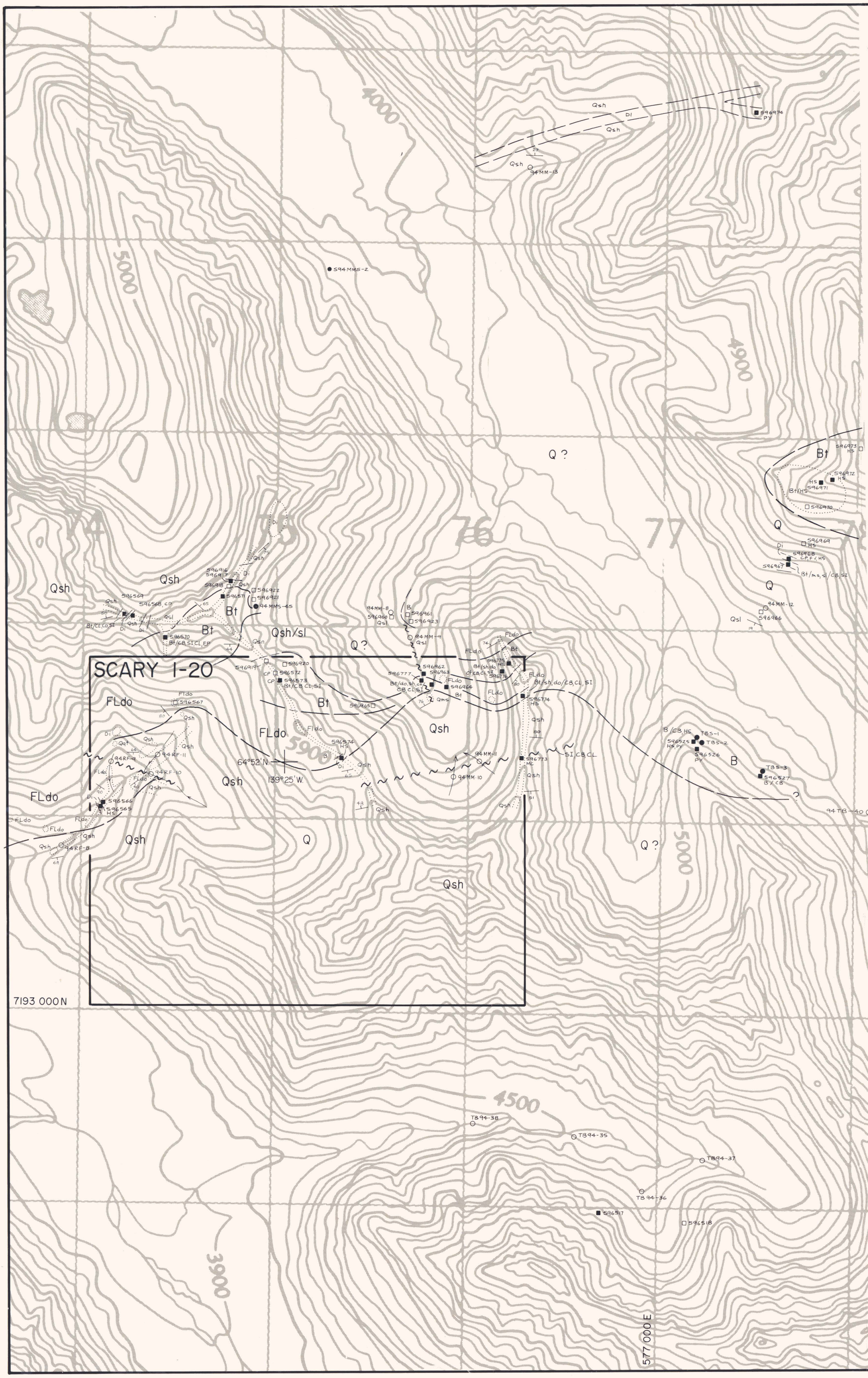
2. THAT I am a graduate of the University of Toronto with a Bachelor of Science degree in Geology.

3. THAT this report is based on property work completed during 1994, government publications and assessment reports filed with the Yukon. I have examined the property in the field

DATED at Vancouver, British Columbia, this 23rd day of February, 1995.

Robert Falls

Robert B. Falls, BSc




## LEGEND

### LITHOLOGIES

**PROTEROZOIC**

**Di** Diorite
**B** Breccia
- **Bt** Heterolithic breccia
- **Bm** Homolithic breccia

Note: Convention for breccia description; Breccia class/fragment type/matrix components, ie. Bm/do/CL indicates a homolithic breccia, with dolostone clasts, and chlorite matrix.

**EARLY? TO MIDDLE PROTEROZOIC**

**Q** Quartet Group
- **Qsh** black shale
- **Qsl** grey to black siltstone
- **Qqt** grey quartzite
- **Qms** mudstone

**FL** Fairchild Lake Group
- **FLdo** orange-brown dolostone
- **FLls** grey limestone
- **FLms** mudstone, **mm**-maroon, **mg**-grey
- **FLss** sandstone
- **FLsl** grey siltstone

### SYMBOLS

- Outcrop boundary
- Geological contact (approximate)
- Fault (assumed)
- Bedding, Foliation, Jointing
- Lineation
- Vein
- Rock sample (float, outcrop)
- Silt sample
- Soil sample
- Contour soil line

### ROCK AND MINERAL ABBREVIATIONS

| | | | |
|---|---|---|---|
| ct | chert | CA | calcite |
| do | dolostone | CB | carbonate |
| ls | limestone | CL | chlorite |
| mg | grey mudstone | DO | dolomite |
| mm | maroon mudstone | EP | epidote |
| ms | mudstone | GR | graphite |
| qt | quartzite | JP | jasper |
| sh | shale | KF | orthoclase |
| sl | siltstone | PF | plagioclase |
| ss | sandstone | QZ | quartz |
| sw | stockwork | SD | siderite |
| | | SI | silica |

### METALLIC AND SECONDARY MINERALS

| | | | |
|---|---|---|---|
| CC | chalcocite | CP | chalcopyrite |
| GE | goethite | GL | galena |
| HE | hematite | HS | specularite |
| MC | malachite | PY | pyrite |
| SP | sphalerite | | |

**1994 Rock Geochemical Analyses**

| Sample | Au (ppb) | Ag (ppm) | Co (ppm) | Cu (ppm) |
|---|---|---|---|---|
| 596517 | <5 | 0.2 | 7 | 36 |
| 596518 | <5 | 0.2 | 23 | 10 |
| 596525 | <5 | <0.2 | 10 | 2 |
| 596526 | <5 | <0.2 | 13 | 6 |
| 596527 | <5 | <0.2 | 20 | 47 |
| 596565 | <5 | <0.2 | 32 | 152 |
| 596566 | <5 | <0.2 | 18 | 19 |
| 596567 | <5 | <0.2 | 8 | 48 |
| 596568 | <5 | 2.6 | 29 | 1.01% |
| 596569 | <5 | <0.2 | 17 | 66 |
| 596570 | <5 | <0.2 | 9 | 20 |
| 596571 | <5 | <0.2 | 5 | 12 |
| 596572 | 40 | 2.4 | 168 | 14.30% |
| 596573 | <5 | <0.2 | 32 | 2838 |
| 596574 | <5 | <0.2 | 8 | 274 |
| 596773 | <5 | 0.4 | 8 | 924 |
| 596774 | <5 | 0.2 | 12 | 14 |
| 596775 | <5 | <0.2 | 21 | 11 |
| 596776 | <5 | 0.2 | 15 | 6 |
| 596777 | <5 | <0.2 | 8 | 6 |
| 596916 | 90 | 1.6 | 1655 | 353 |
| 596917 | 5 | 0.4 | 136 | 75 |
| 596918 | <5 | 0.4 | 182 | 80 |
| 596919 | <5 | 0.2 | 21 | 7 |
| 596920 | <5 | 0.4 | 18 | 6 |
| 596921 | <5 | 0.4 | 15 | 6 |
| 596922 | 10 | <0.2 | 23 | 32 |
| 596923 | <5 | 0.4 | 56 | 7 |
| 596960 | <5 | <0.2 | 8 | 18 |
| 596961 | <5 | <0.2 | 184 | 3 |
| 596962 | <5 | <0.2 | 19 | 3 |
| 596963 | <5 | <0.2 | 8 | 1398 |
| 596964 | <5 | <0.2 | 19 | 9 |
| 596965 | <5 | <0.2 | 39 | 122 |
| 596966 | <5 | <0.2 | 11 | 6 |
| 596967 | <5 | <0.2 | 28 | 15 |
| 596968 | <5 | <0.2 | 41 | 308 |
| 596969 | <5 | <0.2 | 21 | 2 |
| 596970 | <5 | <0.2 | 16 | 1 |
| 596971 | <5 | <0.2 | 21 | 7 |
| 596972 | <5 | <0.2 | 40 | 14 |
| 596973 | <5 | <0.2 | 39 | 24 |
| 596974 | <5 | <0.2 | 30 | 57 |

**1994 Soil Geochemical Analyses**

| Sample | Au (ppb) | Ag (ppm) | Co (ppm) | Cu (ppm) |
|---|---|---|---|---|
| 94TBS- 1 | 30 | <0.2 | 15 | 53 |
| 94TBS- 2 | 10 | <0.2 | 21 | 42 |
| 94TBS- 3 | <5 | 0.2 | 55 | 183 |
| 94MMS- 2 | <5 | <0.2 | 21 | 49 |
| 94MMS- 45 | <5 | <0.2 | 48 | 179 |

**1994 Silt Geochemical Analyses**

| Sample | Au (ppb) | Ag (ppm) | Co (ppm) | Cu (ppm) |
|---|---|---|---|---|
| 94MM - 8 | <5 | <0.2 | 19 | 68 |
| 94RF - 8 | <5 | <0.2 | 23 | 64 |
| 94RF - 9 | 5 | <0.2 | 18 | 59 |
| 94MM - 9 | <5 | <0.2 | 33 | 93 |
| 94RF - 10 | 10 | <0.2 | 17 | 67 |
| 94MM - 10 | <5 | <0.2 | 48 | 97 |
| 94RF - 11 | 20 | <0.2 | 21 | 58 |
| 94MM - 11 | <5 | <0.2 | 36 | 115 |
| 94MM - 12 | <5 | <0.2 | 16 | 49 |
| 94MM - 13 | <5 | <0.2 | 20 | 63 |
| 94TB - 35 | <5 | <0.2 | 30 | 107 |
| 94TB - 36 | <5 | <0.2 | 33 | 135 |
| 94TB - 37 | <5 | <0.2 | 30 | 89 |
| 94TB - 38 | <5 | <0.2 | 31 | 98 |
| 94TB - 40 | <5 | <0.2 | 13 | 31 |

T.N.

TRUE NORTH IS 1° 35' W. OF UTM GRID NORTH

093300

DWG (1)

METRES
0 200 400 600 800 1000

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## SCARY 1-20 CLAIMS

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| | | | |
|---|---|---|---|
| DRAWN: | J.W./R.F. | MINING DISTRICT: DAWSON | FIGURE 4 |
| N.T.S.: | 116 B/14 | SCALE: 1:10,000 | |
| DATE: | | REVISED: | |